



# Albuquerque Bernalillo County Water Utility Authority

Albuquerque/Bernalillo  
County  
Government Center  
One Civic Plaza  
Albuquerque, NM 87102

## Agenda

*Councillor Ken Sanchez, Chair  
Commissioner Wayne Johnson, Vice-Chair  
Mayor Richard J. Berry  
Commissioner Art De La Cruz  
Councillor Rey Garduño  
Commissioner Maggie Hart Stebbins  
Councillor Trudy E. Jones  
Trustee Pablo Rael, Ex Officio Member*

---

Wednesday, November 28, 2012

5:00 PM

Vincent E. Griego Chambers

---

1. **CALL TO ORDER**
2. **INVOCATION/PLEDGE OF ALLEGIANCE**
3. **APPROVAL OF MINUTES - October 17, 2012**
4. **PROCLAMATIONS AND AWARDS**
5. **PUBLIC COMMENT**
6. **ANNOUNCEMENTS/COMMUNICATIONS**
  - A. **Next Scheduled Meeting - December 19, 2012 at 5:00 PM**
7. **INTRODUCTION (FIRST READING) OF LEGISLATION**
  - A. **C-12-25** Amending the Water Authority Rules of Practice and Procedure
8. **CONSENT AGENDA**

*(Any Board Member may request that a Consent Agenda item be placed under Approvals)*

  - A. **C-12-26** FY/13 1st Quarter Operating Financial Reports
  - B. **C-12-27** Approving Sole Source Agreement with activeG, LLC. for Maximo/Geographic Information Systems (GIS) Implementation Services
9. **APPROVALS**

- A. **R-12-13** Authorizing an Agreement with the Kirtland Air Force Base for Contingency Plan Coordination
- B. **R-12-14** Protecting Albuquerque's Water Supply
- C. **R-12-15** Authorizing and Approving Submission of a Completed Application for Financial Assistance and Project Approval to the New Mexico Finance Authority for the Carnuel Water Systems Improvement Project
- D. **R-12-16** Authorizing the Water Authority to Submit an Application for WaterSMART Grant Financial Assistance for the Southside Municipal Effluent Reuse Project
- E. **C-12-28** Approving 2013 Federal Legislative Priorities
- F. **C-12-29** Approving 2013 State Legislative Priorities

**10. OTHER BUSINESS**

- A. **OB-12-1** Presentation on the Status of U.S. Dept. of Energy's Sandia National Laboratory Environmental Restoration Activities
- B. **OB-12-2** New Mexico Environment Department Presentation on Detections of Solvent below Eldershomestead
- C. **OB-12-3** Drought and Water Use Update

**11. ADJOURNMENT**

*Visit Our Website at [www.abcwua.org](http://www.abcwua.org)*

NOTICE TO PERSONS WITH DISABILITIES: If you have a disability and require special assistance to participate in this meeting, please contact the Authority Office as soon as possible before the meeting date at 768-2500 or by the TTY at 1-800-659-8331.

Meeting Date: November 28, 2012  
Staff Contact: Mark S. Sanchez, Executive Director

**TITLE: C-12-25 - Amending the Water Authority Rules of Practice and Procedure**

**ACTION: First Reading November 28, 2012 – Final Action next Board Meeting**

**SUMMARY:**

Board Chair, Councilor Sanchez requested that a Finance/Audit Committee of the Board be established to meet on a periodic basis. The Committee would consist of the Chair, Vice-Chair and one additional member appointed by the Chair.

The purpose of the Committee is to stay informed on finances, budget, external audit and internal audit functions. With the Water Authority's move away from the City of Albuquerque's financial/accounting system, CAFR, and audit functions, the Committee will help provide some oversight into these areas.

Chairman Sanchez also requested that the Water Authority establish an internal audit function to begin the process of testing and developing internal controls to better prepare for the separation from the City of Albuquerque's financial/accounting system in July 2013. Additionally, the internal auditor will provide a risk assessment and work plan for next fiscal year.

**FISCAL IMPACT:**

None.

# Albuquerque Bernalillo County Water Utility Authority

---

## **RULES OF PRACTICE AND PROCEDURE**

---

### **AMENDING THE FOLLOWING SECTION:**

#### **Section 3. POWERS AND DUTIES OF THE CHAIR AND VICE-CHAIR.**

A. The Chair shall call the Members to order, and upon a quorum being present, shall proceed to business.

B. The Chair shall possess the powers and perform the duties herein described, to wit the Chair:

1. Shall preserve order and decorum and have general direction of the Council/Commission Chambers or any location where the Authority holds its meetings.

2. Shall assign bills and have the responsibility for preparation of the agenda and dissemination of the agenda with the public notice for the meeting.

3. Shall decide all questions of order, subject to a member's right to appeal to the Authority as a whole.

4. Shall speak to points of order in preference to other members.

5. May speak, as other Members, on general questions from his or her chair.

6. Shall vote upon all questions in the same manner as other Members.

7. Shall announce the result promptly on the completion of every vote.

8. Sign, along with other members, official documents and actions passed by the Authority, as required.

9. Shall receive all formal messages and communications.

C. In the absence of the Chair, upon his or her inability to act, or upon request of the Chair, the Vice-Chair shall preside and shall have all the powers and authority of the Chair.

[+ D. The Chair, Vice Chair and one additional member shall serve as a finance/audit committee. +]



---

Meeting Date: November 28, 2012  
Staff Contact: Stan Allred, Chief Financial Officer

**TITLE: C-12-26 - FY/13 1<sup>st</sup> Quarter Operating Financial Reports**

**ACTION: Receipt be Noted**

**SUMMARY:**

Submitted to the Board for review and informational purposes are the financial reports for the quarter ended September 30, 2012. These reports provide a year to date comparison between the approved FY/11 budget and actual expenditures through September 30. These reports also include revenue and expenditure projections to June 30, 2013. The projections are based on actual, trend and historical information. As with any estimates, this information is subject to change.

Fund 621 General Operating Fund

Revenues:

First quarter revenues are about \$2.2 million higher than for the same period in FY/12. This revenue increase includes increased revenue from water sales of \$1.5 million, San Juan Chama Strategy implementation \$.6 million, Water Facilities Rehab \$.3 million and Sewer revenue \$.5 million. The FY/12 revenues are up from the FY/11 revenues for the same time period due to increased water usage because of the increased temperatures that the City has been experienced over the summer and early fall. Revenues are in line to meet the approved budget for FY/12. Revenue projections to June 30, 2012 have not been adjusted from the approved budget. Approved budget revenues amounts were derived with the expectation of very limited growth in the service area for the next several years coupled with continued reductions in consumption due to the very effective conservation efforts of the Authority. Taken into account as well were the moderate increases in revenue from the appropriated amount for FY12. Taking all this into account, moderate revenue increases continue each year.

Expenditures:

First quarter total expenditures are \$0.7 million under the same period in FY/12. This decrease is mainly in the Field Division \$0.9 million. In the FY13 budget the Authority moved Gas and Electricity costs to its own line item out of the operating division appropriations. Total power costs in the 1<sup>st</sup> quarter were \$4.8 million. This was done to control these costs better and allow divisions to track their remaining budgets more effectively. The projected expenditure at June 30, 2013, is estimated to be close to the approved appropriation. Projected expenditures through June 30, 2013 indicate a

total over expenditure of approximately \$1.4 million. The Authority is working with the operating managers to bring these over expenditures within budget.

Working capital or fund balance is projected to be \$1 million, compared to a beginning balance in 2013 of (\$11.5) million. The fund balance trend has reversed as planned and will eventually meet the target of 1/12.



# Memo

**To:** Finance Bulletin Board  
**From:** Stan Allred, Chief Financial Officer  
**Date:** November 5, 2012  
**Re:** September 2012 FINANCIAL REPORTS

---

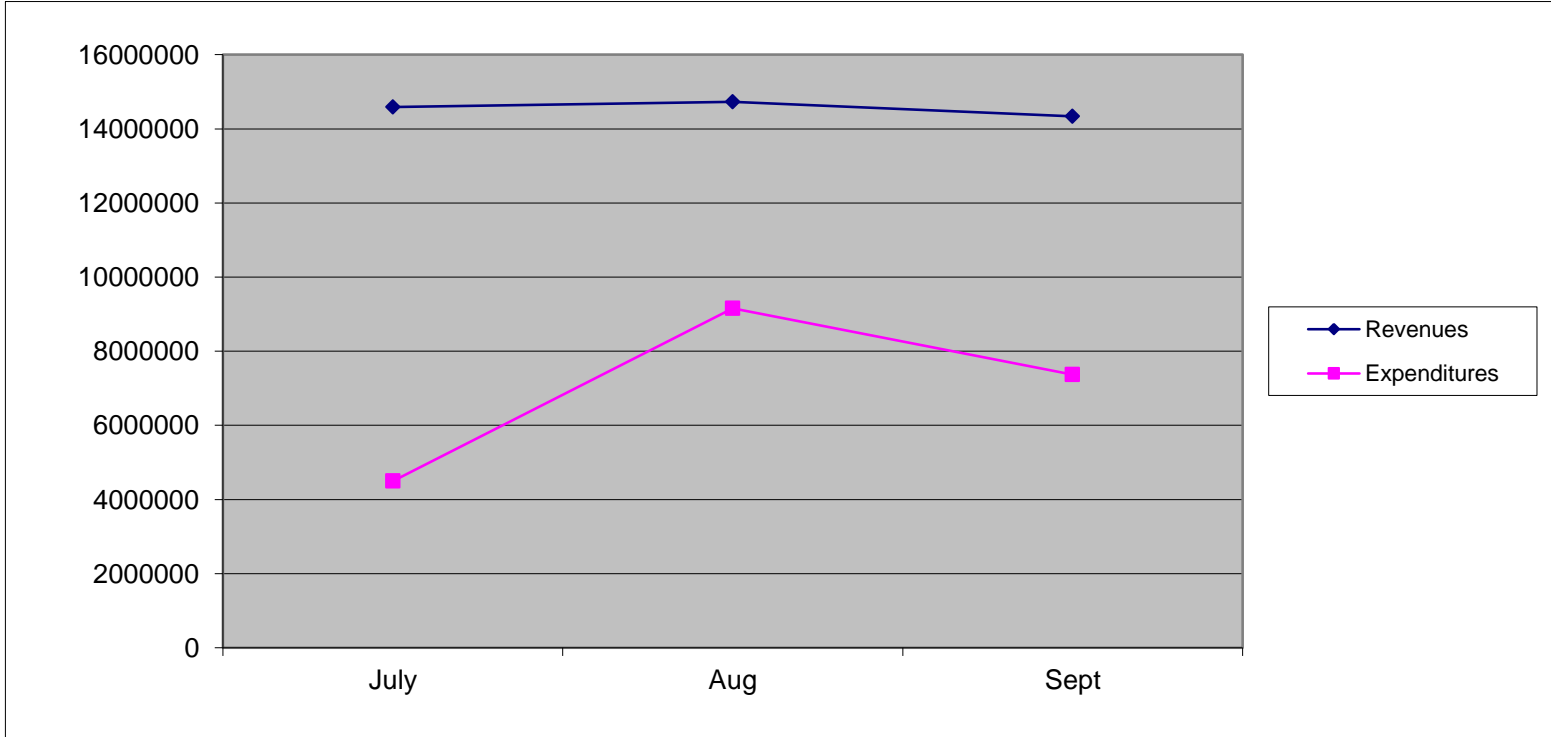
Attached are the September 2012 financial reports for the Water Utility operating and CIP funds. Transfers and accruals have not been processed for FY13. This report includes:

1. Revenues vs. Expenditures Graph
2. Operating Fund 621 Analysis
3. Detailed Program Expenditures Analysis-Fund 621
4. Overview-Funds 621, 631
5. Plant & Field Operations Overview
6. Precipitation Chart
7. Utility CIP Actual and Projected Expenditures
8. Grant Inventory Report
9. Debt Service Fund 631

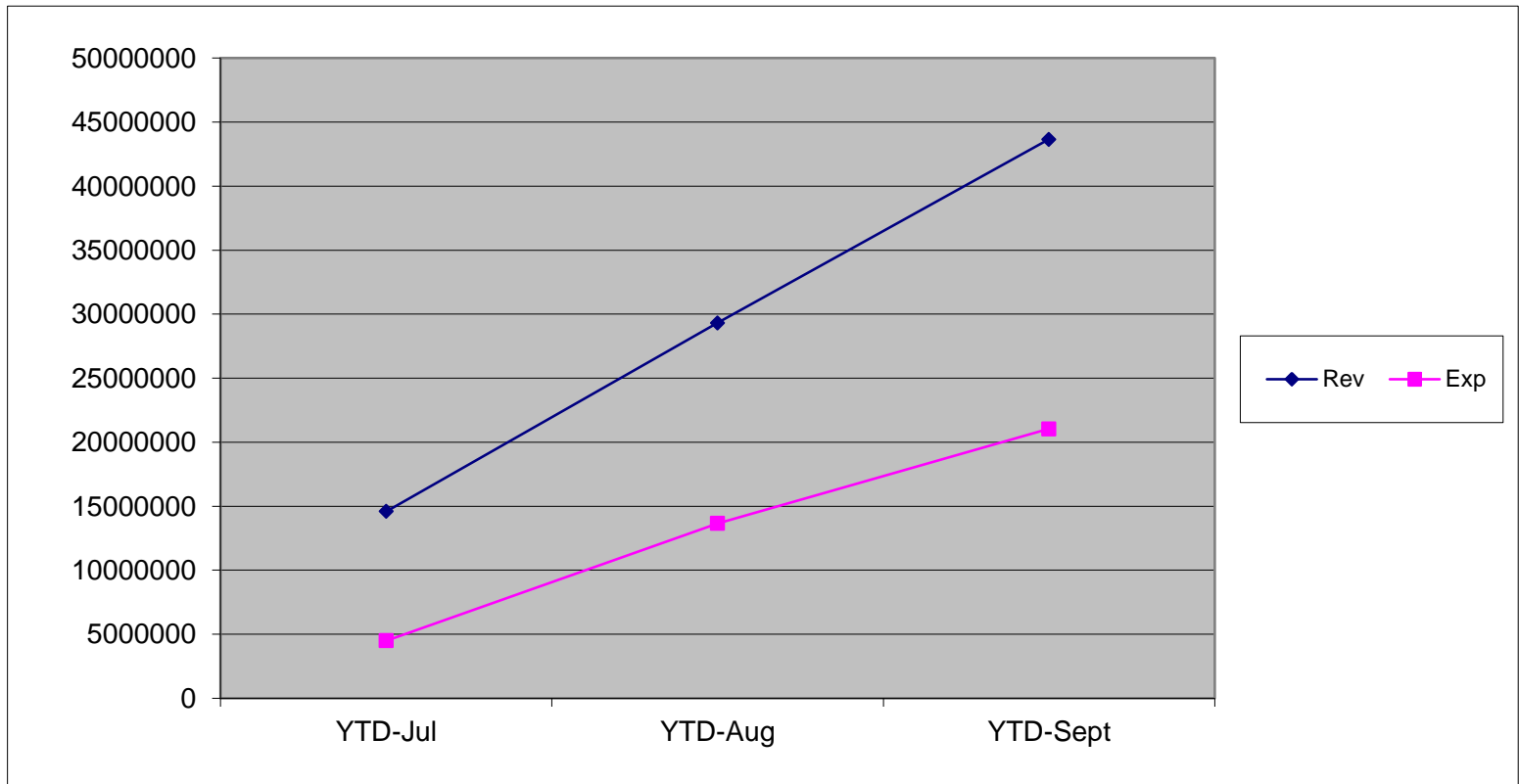
If you have any questions about your specific program(s) and what assumptions were used, please call me at 768-3695.

cc: Mark Sanchez, Executive Director  
Tom Ortiz, Senior Financial Officer  
John Stomp, Chief Operating Officer  
Frank Roth, Senior Policy Manager

**Water Utility Authority - Fund 621  
Revenues Compared to Expenditures - FY13  
Sep-12**



Revenues - September	\$14,335,113
Expenditures - September	\$7,372,935



YTD Revenues	\$43,651,510
YTD Expenditures	\$21,033,921

**Notes:**

**Does not include Water Resources Management expenses due to dedicated funding.**  
**FY13 Budgeted Revenues - Fund 621** \$156,508,000  
**FY13 Operating Budget Appropriation - Fund 621** \$172,667,484

**WATER UTILITY AUTHORITY - FUND 621 - FY13**  
**OPERATING BUDGET ANALYSIS**  
**For the period ending September 2012**

Prepared

	Y-T-D Expend. Sep-12	FY13 Approp	Projected Expenditure	Proj (over/ under) Approp	%
<b>Human Resources - 5900006 - 5929000 Payroll/Personnel</b>					
Salaries (less overtime)	184,793.73	822,033	841,044	(19,011)	102.31%
Overtime	37.96	0	38	(38)	0.00%
Expenses	20,304.66	107,113	77,455	29,658	72.31%
Veh. Maint	0.00	0	0	0	0.00%
Property	0.00	0	0	0	0.00%
Work Comp	167.00	1,833	1,833	0	100.00%
<b>Total</b>	<b>205,303.35</b>	<b>930,979</b>	<b>920,370</b>	<b>10,609</b>	<b>98.86%</b>
<b>Human Resources - 5900006 - 5930000 Training</b>					
Salaries (less overtime)	22,941.01	101,364	104,160	(2,796)	102.76%
Overtime	0.00	0	0	0	0.00%
Expenses	145.13	52,421	38,055	14,366	72.59%
Veh. Maint	249.38	0	1,499	(1,499)	0.00%
Property	0.00	0	0	0	0.00%
Work Comp	21.00	236	236	0	100.00%
<b>Total</b>	<b>23,356.52</b>	<b>154,021</b>	<b>143,950</b>	<b>10,071</b>	<b>93.46%</b>
<b>Water Authority Total - 5900004</b>					
Salaries (less overtime)	398,170.61	1,478,110	2,007,571	(529,461)	135.82%
Overtime	964.21	0	2,764	(2,764)	0.00%
Expenses (less power/chen	430,224.06	997,540	1,409,358	(411,818)	141.28%
Electricity	3,099,817.42	9,330,108	11,299,817	(1,969,709)	121.11%
Gas	273,208.36	1,960,500	1,533,208	427,292	78.20%
Chemicals	1,405,449.71	7,225,972	6,165,450	1,060,522	85.32%
Veh. Maint	48,761.50	257,703	284,958	(27,255.00)	355.58%
Property	0.00	0	0	0	0.00%
Work Comp	279.00	3,067	3,067	0	100.00%
<b>Total</b>	<b>5,656,874.87</b>	<b>21,253,000</b>	<b>22,706,193</b>	<b>(1,453,193)</b>	<b>106.84%</b>
<b>Administration - 5900004 - 5912000</b>					
Salaries	206,146.71	922,515	928,547	(6,032)	100.65%
Expenses	344,770.32	843,923	1,265,873	(421,950)	150.00%
Veh. Maint	40,825.48	234,017	254,222	(20,205)	108.63%
Property	0.00	0	0	0	0.00%
Work Comp	0.00	0	0	0	0.00%
<b>Total</b>	<b>591,742.51</b>	<b>2,000,455</b>	<b>2,448,642</b>	<b>(448,187)</b>	<b>122.40%</b>
<b>Strategic Support - 5900004- 5943000</b>					
Salaries (less overtime)	138,963.40	322,589	836,963	(514,374)	259.45%
Overtime	392.08	0	392	(392)	0.00%
Expenses	84,327.60	127,981	138,378	(10,397)	108.12%
Veh. Maint	1,302.10	7,042	7,602	(560)	107.95%
Property	0.00	0	0	0	0.00%
Work Comp	162.00	1,781	1,781	0	100.00%
<b>Total</b>	<b>225,147.18</b>	<b>459,393</b>	<b>985,116</b>	<b>(525,723)</b>	<b>214.44%</b>

**WATER UTILITY AUTHORITY - FUND 621 - FY13**  
**OPERATING BUDGET ANALYSIS**  
**For the period ending September 2012**

Prepared

	Y-T-D Expend. Sep-12	FY13 Approp	Projected Expenditure	Proj (over/ under) Approp	%
<b>Safety - 5900004 - 5920000</b>					
Salaries (less overtime)	53,060.50	233,006	242,061	(9,055)	103.89%
Overtime	572.13	0	2,372	(2,372)	0.00%
Expenses	1,126.14	25,636	5,107	20,529	19.92%
Veh. Maint	6,633.92	16,644	23,134	(6,490)	138.99%
Property	0.00	0	0	0	0.00%
Work Comp	117.00	1,286	1,286	0	100.00%
Total	61,509.69	276,572	273,960	2,612	99.06%
<b>General Govt - 5900004 - 5956000</b>					
Electricity	3,099,817.42	9,330,108	11,299,817	(1,969,709)	121.11%
Gas	273,208.36	1,960,500	1,533,208	427,292	78.20%
Chemicals	1,405,449.71	7,225,972	6,165,450	1,060,522	85.32%
Total	4,778,475.49	18,516,580	18,998,475	(481,895)	102.60%
<b>Finance - 5900005</b>					
Salaries (less overtime)	364,389.86	1,658,373	1,645,390	12,983	99.22%
Overtime	1,440.20	0	5,040	(5,040)	0.00%
Expenses	507,619.99	2,746,025	2,351,620	394,405	85.64%
Veh. Maint	116.57	0	726	(726)	0.00%
Property	0.00	0	0	0	0.00%
Work Comp	712.00	2,617,602	2,617,602	0	100.00%
Total	874,278.62	7,022,000	6,620,378	401,622	94.28%
<b>Information Tech Svcs - 5900008</b>					
Salaries (less overtime)	645,455.86	2,749,993	2,866,456	(116,463)	104.24%
Overtime	309.69	0	310	(310)	0.00%
Expenses	640,334.77	1,397,216	2,035,335	(638,119)	145.67%
Veh. Maint	0.00	0	0	0	0.00%
Property	0.00	0	0	0	0.00%
Work Comp	436.00	4,791	4,796	(5)	100.10%
Total	1,286,536.32	4,152,000.00	4,906,897	(754,897)	118.18%
<b>Customer Services - 5900009</b>					
Salaries (less overtime)	815,003.81	3,590,860	3,631,005	(40,145)	101.12%
Overtime	11,885.42	29,000	30,385	(1,385)	104.78%
Expenses	349,406.49	1,638,186	1,495,953	142,233	91.32%
Veh. Maint	16,829.41	192,414	110,148	82,266	57.25%
Property	19,629.00	80,000	79,629	371	99.54%
Work Comp	1,958.00	21,540	21,540	0	100.00%
Total	1,214,712.13	5,552,000	5,368,660	183,340	96.70%
<b>Wastewater Treatment - 5900001</b>					
Salaries (less overtime)	1,506,185.92	7,113,877	6,769,886	343,991	95.16%
Overtime	112,908.69	346,127	481,659	(135,532)	139.16%
CIP	137,370.00	784,095	622,080	162,015	79.34%
Expenses	775,685.47	2,630,365	3,322,966	(692,601)	126.33%
Veh. Maint	106,760.08	535,694	575,677	(39,983)	107.46%
Property	98,850.36	201,000	207,850	(6,850)	103.41%
Work Comp	16,440.00	180,842	180,842	0	100.00%
Total	2,754,200.52	11,792,000	12,160,960	(368,960)	103.13%

OPERATING BUDGET ANALYSIS

For the period ending September 2012

	Y-T-D Expend. Sep-12	FY13 Approp	Projected Expenditure	Proj (over/ under) Approp	%
<b>Water Plant Facility Production - 5900011</b>					
Salaries (less overtime)	1,119,463.63	5,063,047	4,894,464	168,583	96.67%
Overtime	33,441.95	174,171	151,442	22,729	86.95%
Expenses	259,927.91	944,245	1,318,295	(374,050)	139.61%
Veh. Maint	36,534.53	143,888	155,473	(11,585)	108.05%
Property	0.00	104,019	0	104,019	0.00%
Work Comp	11,966.00	131,630	131,630	0	100.00%
Total	1,461,334.02	6,561,000	6,651,304	(90,304)	101.38%
<b>North I-25 Reuse - 5900014</b>					
Salaries (less overtime)	0.00	0	0	0	0.00%
Overtime	0.00	0	0	0	0.00%
Expenses	1,531.71	71,865	54,655	17,210	76.05%
Veh. Maint	822.95	4,135	4,973	(838)	120.27%
Property	0.00	0	0	0	0.00%
Work Comp	0.00	0	0	0	0.00%
Total	2,354.66	76,000	59,628	16,372	78.46%
<b>Sustainable Water - 5900015</b>					
Salaries (less overtime)	429,794.88	1,645,493	1,889,795	(244,302)	114.85%
Overtime	32,424.48	60,000	104,424	(44,424)	174.04%
Expenses	184,278.66	912,685	1,036,274	(123,589)	113.54%
Veh. Maint	19,748.36	921	28,399	(27,478)	3083.50%
Property	0.00	50,000	50,000	0	100.00%
Work Comp	3,900.00	42,901	42,901	0	100.00%
Total	670,146.38	2,712,000	3,151,793	(439,793)	116.22%
<b>Wastewater Collection - 5900003</b>					
Salaries (less overtime)	1,064,863.85	4,539,379	4,813,364	(273,985)	106.04%
Overtime	28,866.15	133,000	127,866	5,134	96.14%
Expenses	229,071.42	918,396	893,446	24,950	97.28%
Veh. Maint	106,532.93	584,504	477,937	106,567	81.77%
Property	0.00	72,250	72,250	0	100.00%
Work Comp	9,498.00	104,471	104,471	0	100.00%
Total	1,438,832.35	6,352,000	6,489,334	(137,334)	102.16%
<b>Water Plant Facility Distribution - 5900012</b>					
Salaries (less overtime)	1,649,707.90	7,014,580	7,422,955	(408,375)	105.82%
Overtime	309,160.01	674,208	1,223,660	(549,452)	181.50%
Expenses	1,038,928.05	5,980,038	5,244,728	735,310	87.70%
Veh. Maint	228,793.14	724,038	1,185,213	(461,175)	163.69%
Property	0.00	115,750	115,750	0	100.00%
Work Comp	17,944.00	197,386	197,384	2	100.00%
Total	3,244,533.10	14,706,000	15,389,690	(683,690)	104.65%
<b>Water Distribution Facilitation - 5900013</b>					
Salaries (less overtime)	369,347.74	1,597,289	1,665,080	(67,791)	104.24%
Overtime	8,881.63	53,244	34,982	18,262	65.70%
Expenses	67,587.68	340,105	295,118	44,987	86.77%
Veh. Maint	114.40	18,254	114	18,140	0.62%
Property	0.00	0	0	0	0.00%
Work Comp	3,737.00	41,108	41,108	0	100.00%
Total	449,668.45	2,050,000	2,036,402	13,598	99.34%

OPERATING BUDGET ANALYSIS

For the period ending September 2012

	Y-T-D Expend. Sep-12	FY13 Approp	Projected Expenditure	Proj (over/ under) Approp	%
<b>NWSA - 5900007</b>					
Salaries (less overtime)	196,035.29	855,431	878,535	(23,104)	102.70%
Overtime	8,419.62	0	26,470	(26,470)	0.00%
Expenses	51,885.13	1,447,599	258,605	1,188,994	17.86%
Veh. Maint	6,820.20	90,970	50,420	40,550	55.42%
Property	0.00	0	0	0	0.00%
Work Comp	0.00	0	0	0	0.00%
Total	263,160.24	2,394,000	1,214,030	1,179,970	50.71%
<b>Compliance Total - 5900002</b>					
Salaries (less overtime)	715,857.30	3,609,362	3,330,857	278,505	92.28%
Overtime	3,015.15	7,047	9,616	(2,569)	136.46%
Expenses	73,979.49	612,315	462,780	149,535	75.58%
Veh. Maint	8,070.11	31,262	35,370	(4,108)	113.14%
Property	0.00	2,000	0	2,000	0.00%
Work Comp	728.00	8,014	8,014	0	100.00%
Total	801,650.05	4,270,000	3,846,637	423,363	90.09%
<b>Compliance - 5900002 - WW Lab 5914000, PreTreatment 5916000</b>					
Salaries (less overtime)	535,344.98	2,717,924	2,509,845	208,079	92.34%
Overtime	2,341.24	5,670	8,042	(2,372)	141.83%
Expenses	18,570.58	325,639	224,671	100,968	68.99%
Veh. Maint	4,385.35	15,958	24,735	(8,777)	155.00%
Property	0.00	0	0	0	0.00%
Work Comp	548.00	6,031	6,031	0	100.00%
Total	561,190.15	3,071,222	2,773,324	297,898	90.30%
<b>Compliance - 5900002 - Water Quality, 5924000</b>					
Salaries (less overtime)	180,512.32	891,438	821,012	70,426	92.10%
Overtime	673.91	1,377	1,574	(197)	114.31%
Expenses	55,408.91	286,676	238,109	48,567	83.06%
Veh. Maint	3,684.76	15,304	10,635	4,669	69.49%
Property	0.00	2,000	0	2,000	0.00%
Work Comp	180.00	1,983	1,983	0	100.00%
Total	240,459.90	1,198,778	1,073,313	125,465	89.53%
<b>Utility Development - 5900010 - 5922000</b>					
Salaries (less overtime)	370,089.44	1,709,513	1,735,089	(25,576)	101.50%
Overtime	355.00	0	355	(355)	0.00%
Expenses	27,401.52	144,114	114,701	29,413	79.59%
Veh. Maint	4,512.04	12,572	15,111	(2,539)	120.20%
Property	1,045.00	0	1,045	(1,045)	0.00%
Work Comp	64.00	705	832	(127)	118.01%
Total	403,467.00	1,866,904	1,867,133	(229)	100.01%
<b>Water Resources Management - 5900010 - 5945000, 5946000</b>					
Salaries (less overtime)	382,817.53	1,712,988	1,747,818	(34,830)	102.03%
Overtime	703.47	0	1,603	(1,603)	0.00%
Expenses	499,339.30	2,763,179	2,456,839	306,340	88.91%
Veh. Maint	14,353.33	125,128	84,553	40,575	67.57%
Property	0.00	39,000	39,000	0	100.00%
Work Comp	709.00	7,802	7,802	0	100.00%
Total	897,922.63	4,648,097	4,337,615	310,482	93.32%



	FY12 YTD	FY13 YTD	FY13 BUDGET	FY13 PROJECTION	BUDGET LESS PROJECTION
<b>REVENUES</b>					
Sale of Water: City (includes NWSA)	20,195,488	21,741,183	70,800,000	70,800,000	-
Water Valley	1,568,217	1,567,845	5,000,000	5,000,000	-
Water Facilities Rehab	3,049,772	3,047,126	7,100,000	7,100,000	-
Sewer Service: City (includes NWSA)	10,312,511	10,530,105	51,800,000	51,800,000	-
Sewer Valley	902,384	947,078	4,000,000	4,000,000	-
Wastewater Facilities Rehab	3,218,656	3,414,158	6,200,000	6,200,000	-
Hookups/CIA: City	102,311	94,054	350,000	350,000	-
Hookups/CIA: Valley	6,730	5,225	50,000	50,000	-
Water Resources Mgmt.	1,647,942	1,628,133	4,500,000	4,500,000	-
SJC Strategy Imp	8,723,473	9,032,501	30,000,000	30,000,000	-
Rental of Property	87,995	43,625	274,000	274,000	-
Reuse	154,382	161,805	400,000	400,000	-
Refuse (651)	190,364	-	1,142,000	1,142,000	-
CIP Employees	-	-	650,000	650,000	-
Interest	13,738	-	750,000	750,000	-
Miscellaneous	153,269	235,114	1,200,000	1,200,000	-
Franchise Fee City	1,747,483	1,841,825	6,544,000	6,544,000	-
Franchise Fee Valley	153,675	160,980	575,000	575,000	-
Franchise Fee Rio Rancho	240	291	1,000	1,000	-
Franchise Fee Los Ranchos	23,194	22,901	72,000	72,000	-
Rate Reserve	-	-	-	-	-
<b>TOTAL REVENUES</b>	<b>52,251,823</b>	<b>54,473,949</b>	<b>191,408,000</b>	<b>191,408,000</b>	-
Beg Working Capital Excluding Gasb	(10,649,897) b)	(11,128,535) b)	(11,128,535) b)	(11,128,535) b)	
<b>TOTAL REVENUES &amp; BWC</b>	<b>41,601,926</b>	<b>43,345,414</b>	<b>180,279,465</b>	<b>180,279,465</b>	
<b>EXPENDITURES</b>					
Administration:					
Human Resources:					
Payroll/Personnel	5900006	190,765	205,303	930,979	10,609
Training	5900006	24,980	23,357	154,021	10,071
Water Authority:					
Admin	5900004	384,416	591,743	2,448,642	(448,187)
Strategic Support	5900004	220,885	225,147	459,393	(525,723)
Safety	5900004	61,310	61,510	276,572	2,612
General Government	5900004	-	4,778,475	18,998,475	(481,895)
Financial/Business Services:					
Finance	5900005	1,036,409	625,134	5,274,000	401,622
St Water Consv/Franchise Fee	5900005	289,702	249,144	1,748,000	0
Information Technology	5900008	1,046,567	1,286,536	4,152,000	(754,897)
Customer Services	5900009	1,114,920	1,214,713	5,552,000	183,340
Plant:					
Wastewater Treatment	5900001	3,344,322	2,616,831	11,007,905	(530,975)
CIP Emp-in WW Treat.	5900001	153,787	137,370	784,095	622,080
Water Plant Facility Production	5900011	3,857,542	1,461,334	6,561,000	(90,304)
North I-25 Reuse	5900014	80,255	2,355	76,000	59,628
Sustainable Water Supply	5900015	1,631,607	670,146	2,712,000	(439,793)
Field:					
Wastewater Collection	5900003	1,902,112	1,438,832	6,352,000	(137,334)
Water Plant Facility Distribution	5900012	3,773,299	3,244,533	14,706,000	(683,690)
Water Distribution Facilitation	5900013	574,242	449,668	2,050,000	13,598
NW Service Area	5900007	199,102	263,160	2,394,000	1,179,970
Compliance	5900002	826,785	801,650	4,270,000	423,363
Water Resources/Eng/Plan:					
Utility Development	5900010	399,163	403,467	1,866,904	(229)
Water Resources Mgmt	5900010	1,149,861	897,923	4,648,096	310,481
<b>TOTAL OPERATIONS</b>	<b>22,262,032</b>	<b>21,648,332</b>	<b>96,492,000</b>	<b>97,870,974</b>	<b>(1,378,974)</b>
Trans to Cap 629					
San Juan-Chama	5900016	1,051,161	1,357,600.74	2,247,000	0
Trans to Gen Fund 110	5900022	1,472,908	-	8,294,000	0
Trans to Debt Serv 631	5900025	12,132,182	-	66,362,000	0
Low Income Utility Credit	5900017	60,548	43,718	250,000	0
Bad Debt Expense	5900020	3,322	-	-	0
Trans to Rehab 628	5900023	1,454,546	-	8,000,000	0
<b>SUBTOTAL</b>	<b>16,174,667</b>	<b>1,401,319</b>	<b>85,153,000</b>	<b>85,153,000</b>	<b>0</b>
<b>TOTAL EXPENDITURES</b>	<b>38,436,699</b>	<b>23,049,651</b>	<b>181,645,000</b>	<b>183,023,974</b>	<b>(1,378,974)</b>
Year end CA's	(5,461,329)				
<b>TOTAL NET EXPENDITURES</b>	<b>32,975,370</b>	<b>23,049,651</b>	<b>181,645,000</b>	<b>183,023,974</b>	
Restricted - Rate Stabilization Fund	2,000,000	2,000,000	2,000,000	2,000,000	
<b>ENDING WORKING CAPITAL BALANCE</b>	<b>6,626,556</b>	<b>18,295,763</b>	<b>(3,365,535)</b>	<b>(4,744,509)</b>	
GASB-31 Adj					
<b>ENDING WCB PER CAFR</b>	<b>6,626,556</b>	<b>18,295,763</b>	<b>(3,365,535)</b>	<b>(4,744,509)</b>	
FY12 Interfund Transfers:					
	6,292,000	- PILOT	1,550,000	- IOH	
	2,489,935	- Tort	90,000	- WRM	
	165,000	- Silvery Minnow			

a) audited b) unaudited per Financial Plan

**OVERVIEW**  
**WATER UTILITY AUTHORITY**  
As of September 2012

Fund 621	FY12 YTD	FY13 YTD	FY13 Budgeted	FY13 Projected	Variance Budget-Projected
<b>Revenues:</b>					
<b>Water</b>	24,922,518	26,455,433	83,300,000	83,300,000	-
<b>Water Resources Management</b>	1,647,942	1,628,133	4,500,000	4,500,000	-
<b>Wastewater</b>	14,433,551	14,891,341	62,000,000	62,000,000	-
<b>Interest Earnings</b>	13,738	-	750,000	750,000	-
<b>Other</b>	2,510,602	2,466,541	10,858,000	10,858,000	-
<b>San Juan Chama</b>	8,723,473	9,032,501	30,000,000	30,000,000	-
<b>Total</b>	<b>52,251,822</b>	<b>54,473,949</b>	<b>191,408,000</b>	<b>191,408,000</b>	<b>-</b>

<b>Fund 621</b>					
<b>Expenses:</b>					
<b>Salaries (less overtime)</b>	10,270,559	10,372,044	46,045,787	46,865,549	(819,762)
<b>Overtime</b>	647,156	552,814	1,476,797	2,200,614	(723,817)
<b>Operating Expenses (less power/chemicals)</b>	7,013,017	6,829,125	23,702,407	22,866,183	836,224
<b>Power</b>	3,321,875	3,373,026	11,290,608	12,833,025	(1,542,417)
<b>Chemicals</b>	1,054,650	1,430,810	7,225,972	6,165,450	1,060,522
<b>Other</b>	16,129,442	491,833	91,903,430	92,093,153	(189,723)
<b>Total</b>	<b>38,436,699</b>	<b>23,049,651</b>	<b>181,645,000</b>	<b>183,023,974</b>	<b>(1,378,973)</b>

<b>Fund 631:</b>					
<b>Revenues:</b>					
<b>Utility Expansion Charges</b>	1,698,813	2,066,621	8,000,000	8,000,000	-
<b>Interest Earnings</b>	5,985	-	500,000	500,000	-
<b>Total</b>	<b>1,704,797</b>	<b>2,066,621</b>	<b>8,500,000</b>	<b>8,500,000</b>	<b>-</b>
<b>Expenses:</b>					
<b>Principal</b>	-	-	41,512,000	41,512,000	-
<b>Interest/Fiscal Agent Fees</b>	(1,203,267)	(1,338,039)	30,226,000	30,226,000	-
<b>Total</b>	<b>(1,203,267)</b>	<b>(1,338,039)</b>	<b>71,738,000</b>	<b>71,738,000</b>	<b>-</b>

**ACTIVITY OVERVIEW**  
**WATER UTILITY AUTHORITY**  
**Plant Operations - Programs 5900001, 5900011, 5900014, 5900015**  
**As of Sept 2012**

FUND 621	FY12 YTD	FY13 YTD	FY13 Budgeted	FY13 Projected	Variance Budget-Projected
<b>Expenses:</b>					
Salaries (less overtime)	3,199,277.52	3,192,814.43	14,606,512	14,176,225	430,287
Overtime	231,055.40	178,775.12	580,298	737,525	(157,227)
Operating Expenses (less power/chemicals)	1,482,358.32	1,221,423.75	4,559,160	5,732,190	(1,173,030)
Power	3,106,028.03	-	-	-	-
Chemicals	790,229.51	-	-	-	-
Vehicle Maintenance	182,884.17	163,865.92	684,638	764,522	(79,884)
Other	75,681.00	131,156.36	710,392	613,223	97,169
<b>Total</b>	<b>9,067,514</b>	<b>4,888,036</b>	<b>21,141,000</b>	<b>22,023,685</b>	<b>(882,685)</b>

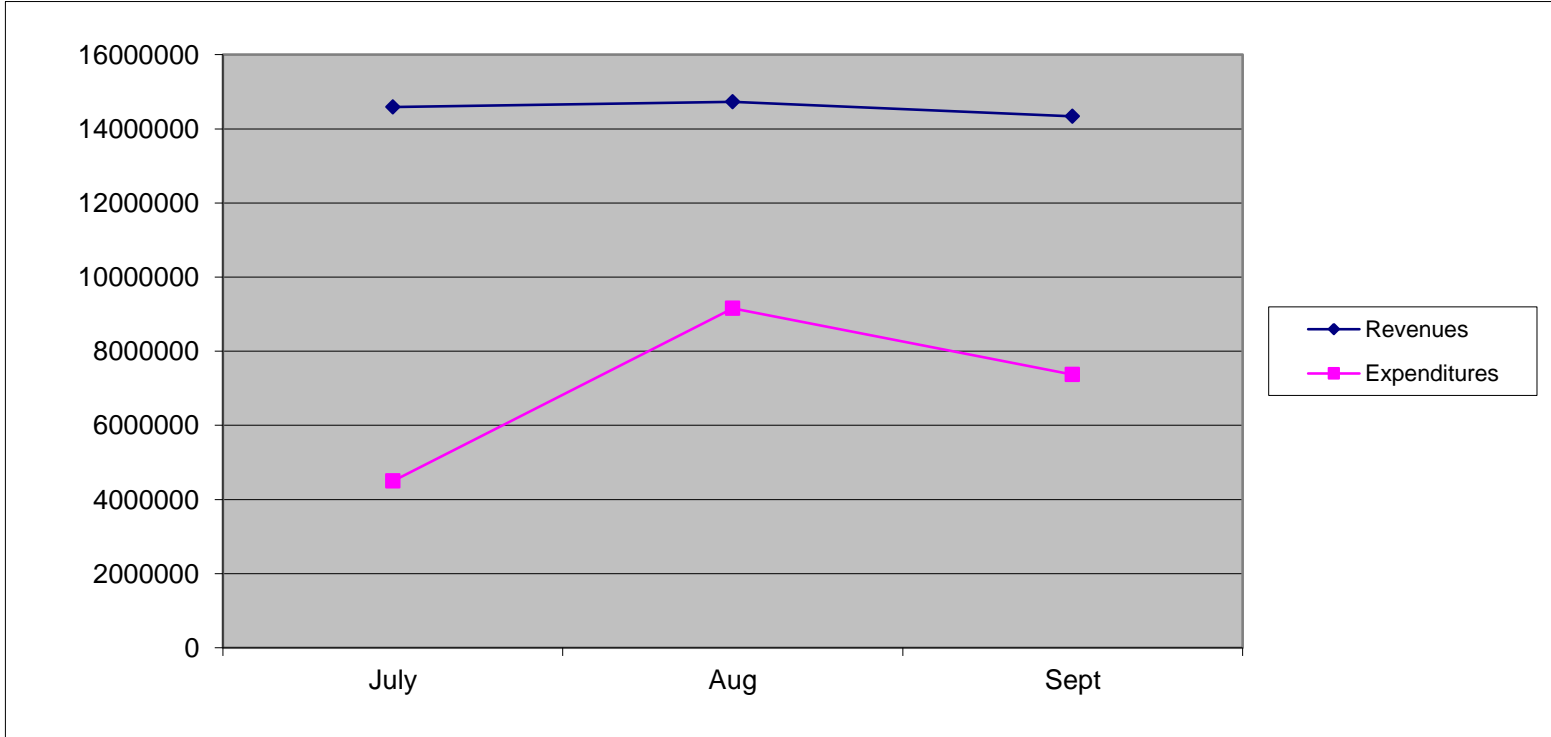
	YTD Expend Sep-12	FY13 Approp	Projected Expend	Proj (over/ under) Approp	%
<b>Wastewater Treatment - 5900001</b>					
Salaries (less overtime)	1,506,185.92	7,113,877	6,769,886	343,991	95.16%
Overtime	112,908.69	346,127	481,659	(135,532)	139.16%
CIP	137,370.00	784,095	622,080	162,015	79.34%
Expenses	775,685.47	2,630,365	3,322,966	(692,601)	126.33%
Veh. Maint	106,760.08	535,694	575,677	(39,983)	107.46%
Property	98,850.36	201,000	207,850	(6,850)	103.41%
Work Comp	16,440.00	180,842	180,842	0	100.00%
Total	2,754,200.52	11,792,000	12,160,960	(368,960)	103.13%
<b>Water Plant Facility Production - 5900011</b>					
Salaries (less overtime)	1,119,463.63	5,063,047	4,894,464	168,583	96.67%
Overtime	33,441.95	174,171	151,442	22,729	86.95%
Expenses	259,927.91	944,245	1,318,295	(374,050)	139.61%
Veh. Maint	36,534.53	143,888	155,473	(11,585)	108.05%
Property	0.00	104,019	0	104,019	0.00%
Work Comp	11,966.00	131,630	131,630	0	100.00%
Total	1,461,334.02	6,561,000	6,651,304	(90,304)	101.38%
<b>North I-25 Reuse - 5900014</b>					
Salaries (less overtime)	0.00	0	0	0	0.00%
Overtime	0.00	0	0	0	0.00%
Expenses	1,531.71	71,865	54,655	17,210	76.05%
Veh. Maint	822.95	4,135	4,973	(838)	120.27%
Property	0.00	0	0	0	0.00%
Work Comp	0.00	0	0	0	0.00%
Total	2,354.66	76,000	59,628	16,372	78.46%
<b>Sustainable Water - 5900015</b>					
Salaries (less overtime)	429,794.88	1,645,493	1,889,795	(244,302)	114.85%
Overtime	32,424.48	60,000	104,424	(44,424)	174.04%
Expenses	184,278.66	912,685	1,036,274	(123,589)	113.54%
Veh. Maint	19,748.36	921	28,399	(27,478)	3083.50%
Property	0.00	50,000	50,000	0	100.00%
Work Comp	3,900.00	42,901	42,901	0	100.00%
Total	670,146.38	2,712,000	3,151,793	(439,793)	116.22%

**ACTIVITY OVERVIEW**  
**WATER UTILITY AUTHORITY**  
**Field Operations - Programs 5900003, 5900012, 5900013**  
**As of Sept 2012**

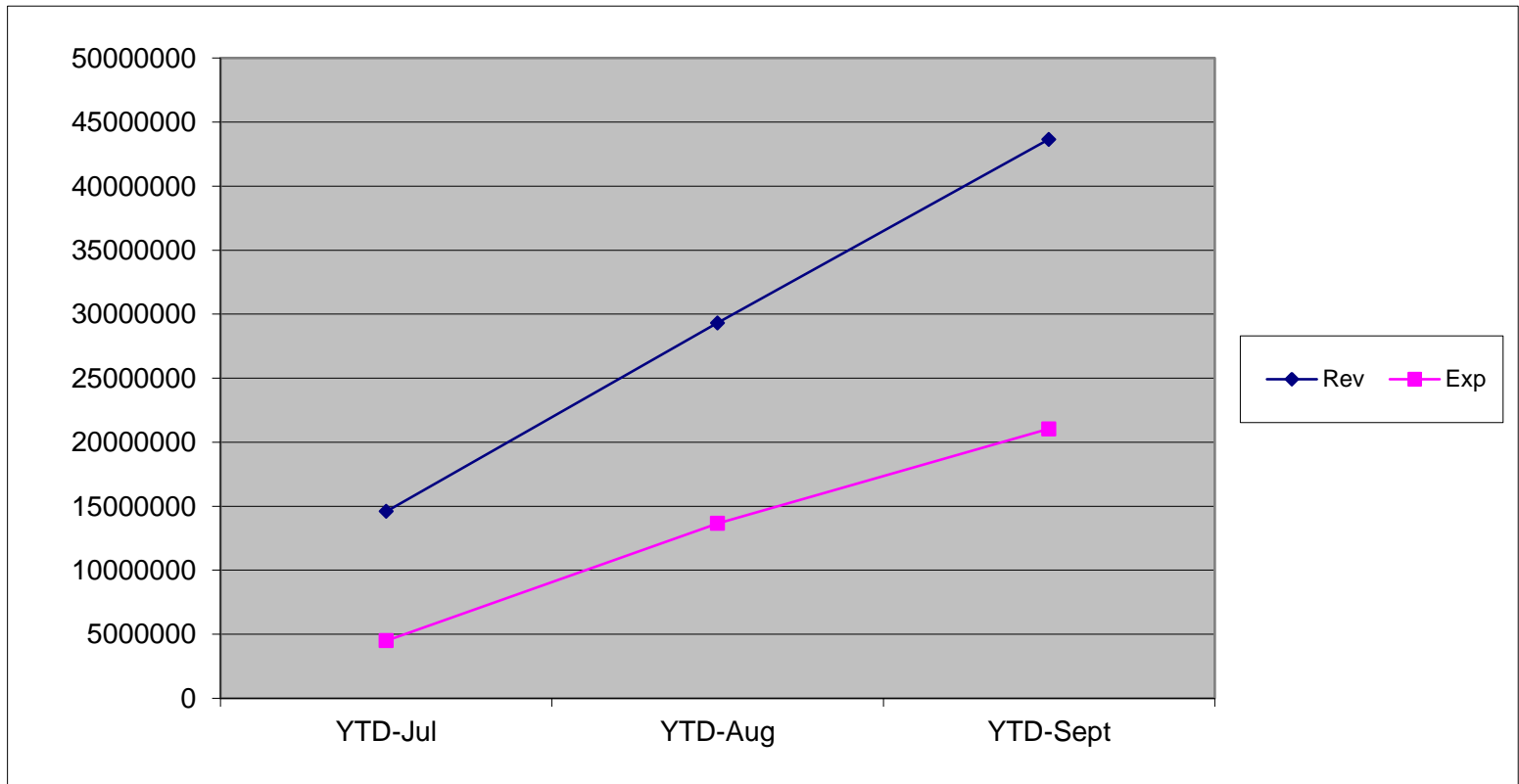
	FY12 YTD	FY13 YTD	FY13 Budgeted	FY13 Projected	Variance Budget-Projected
<b>FUND 621</b>					
Salaries (less overtime)	3,066,356.47	3,083,919.49	13,151,248	13,901,399	(750,151)
Overtime	393,508.74	346,907.79	860,452	1,386,508	(526,056)
Operating Expenses (less power/chemicals)	1,875,727.33	1,335,587.15	7,238,539	6,433,292	805,247
Power	197,632.73	-	-	-	-
Chemicals	264,420.87	-	-	-	-
Vehicle Maintenance	382,150.84	335,440.47	1,326,796	1,663,264	(336,468)
Other	69,856.00	31,179.00	530,965	530,965	-
<b>Total</b>	<b>6,249,653</b>	<b>5,133,034</b>	<b>23,108,000</b>	<b>23,915,428</b>	<b>(807,428)</b>

	YTD Expend Sep-12	FY13 Approp	Projected Expend	Proj (over/ under) Approp	%
<b>Wastewater Collection - 5900003</b>					
Salaries (less overtime)	1,064,863.85	4,539,379	4,813,364	(273,985)	106.04%
Overtime	28,866.15	133,000	127,866	5,134	96.14%
Expenses	229,071.42	918,396	893,446	24,950	97.28%
Veh. Maint	106,532.93	584,504	477,937	106,567	81.77%
Property	0.00	72,250	72,250	0	100.00%
Work Comp	9,498.00	104,471	104,471	0	100.00%
Total	1,438,832.35	6,352,000	6,489,334	(137,334)	102.16%
<b>Water Plant Facility Distribution - 5900012</b>					
Salaries (less overtime)	1,649,707.90	7,014,580	7,422,955	(408,375)	105.82%
Overtime	309,160.01	674,208	1,223,660	(549,452)	181.50%
Expenses	1,038,928.05	5,980,038	5,244,728	735,310	87.70%
Veh. Maint	228,793.14	724,038	1,185,213	(461,175)	163.69%
Property	0.00	115,750	115,750	0	100.00%
Work Comp	17,944.00	197,386	197,384	2	100.00%
Total	3,244,533.10	14,706,000	15,389,690	(683,690)	104.65%
<b>Water Distribution Facilitation - 5900013</b>					
Salaries (less overtime)	369,347.74	1,597,289	1,665,080	(67,791)	104.24%
Overtime	8,881.63	53,244	34,982	18,262	65.70%
Expenses	67,587.68	340,105	295,118	44,987	86.77%
Veh. Maint	114.40	18,254	114	18,140	0.62%
Property	0.00	0	0	0	0.00%
Work Comp	3,737.00	41,108	41,108	0	100.00%
Total	449,668.45	2,050,000	2,036,402	13,598	99.34%

**Water Utility Authority - Fund 621  
Revenues Compared to Expenditures - FY13  
Sep-12**



Revenues - September	\$14,335,113
Expenditures - September	\$7,372,935



YTD Revenues	\$43,651,510
YTD Expenditures	\$21,033,921

**Notes:**

**Does not include Water Resources Management expenses due to dedicated funding.**  
**FY13 Budgeted Revenues - Fund 621** **\$156,508,000**  
**FY13 Operating Budget Appropriation - Fund 621** **\$172,667,484**

**FUND 623**

PROJECT	06-30-12	07-31-12	08-31-12	09-30-12	10-31-12	11-30-12	12-31-12	01-31-13	02-28-13	03-31-13	04-30-13	05-31-13	06-30-13
5930100	76,235	76,235	76,235	76,235									
5930060	758,081	758,081	758,081	758,081									
5916900	1,514,160	1,514,160	1,514,160	1,514,160									
<b>Totals</b>	2,348,476	2,348,476	2,348,476	2,348,476	0	0	0	0	0	0	0	0	0
<b>MONTHLY EXP</b>		0	0	0	0	0	0	0	0	0	0	0	0
<b>YEAR TO DATE</b>		0	0	0	0	0	0	0	0	0	0	0	0
<b>CASH BALANCE 623</b>		0	0	0	0	0	0	0	0	0	0	0	0
<b>INTEREST INCOME</b>		0	0	0	0	0	0	0	0	0	0	0	0
<b>INTEREST YTD</b>		0	0	0	0	0	0	0	0	0	0	0	0

**FUND 623**

ACTIVITY	NAME	EXP Sep-12	EXP YTD	FY12 Plan	Mand
5930100	Carmuel	0	0	0	0%
5930060	Pajarito	0	0	0	0%
5916900	Contingency	0	0	0	0%
<b>Totals</b>		0	0	0	

**FUND 627**

PROJECT	06-30-12	07-31-12	08-31-12	09-30-12	10-31-12	11-30-12	12-31-12	01-31-13	02-28-13	03-31-13	04-30-13	05-31-13	06-30-13
5918700	11,702,454	11,702,454	11,702,454	11,702,454									
5918710	3,619,026	3,619,026	3,619,026	3,619,026									
5918730	39,806,670	39,806,670	39,806,670	39,806,670									
5918900	95,225	95,225	95,225	95,225									
<b>Totals</b>	55,223,375	55,223,375	55,223,375	55,223,375	0	0	0	0	0	0	0	0	0
<b>MONTHLY EXP</b>		0	0	0	0	0	0	0	0	0	0	0	0
<b>YEAR TO DATE</b>		0	0	0	0	0	0	0	0	0	0	0	0
<b>CASH BALANCE 627</b>													
<b>INTEREST INCOME</b>		0	0	0	0	0	0	0	0	0	0	0	0
<b>INTEREST YTD</b>		0	0	0	0	0	0	0	0	0	0	0	0

**FUND 627**

ACTIVITY	NAME	EXP Sep-12	EXP YTD	FY12 Plan	Mand
5918700	S Valley Sewer Ext. (EPA)	0	0	0	0%
5918710	Valley Sewer Line (Bernalillo County)	0	0	500,000	0%
5918730	N Valley Sewer 98-99	0	0	1,000,000	0%
5918900	Contingency	0	0	0	0%
<b>Totals</b>		0	0	1,500,000	

**FUND 628**

PROJECT	06-30-12	07-31-12	08-31-12	09-30-12	10-31-12	11-30-12	12-31-12	01-31-13	02-28-13	03-31-13	04-30-13	05-31-13	06-30-13
6088010	70,588,736	70,357,479	70,936,767	71,506,521									
6088020	10,331,271	10,331,271	10,331,271	10,331,271									
6088030	1,232,241	1,232,241	1,232,241	1,232,241									
6088040	44,236,145	44,197,354	44,251,401	44,324,525									
6088050	31,088,488	30,739,364	31,276,120	31,423,138									
6088060	5,634,297	5,634,297	5,634,297	5,634,297									
6088070	3,942,245	3,946,227	3,946,227	3,981,085									
6088080	4,339,546	4,339,546	4,339,546	4,339,546									
6088090	10,805,125	10,805,125	10,805,125	10,805,125									
6088100	8,713,687	8,746,237	8,775,019	9,364,974									
6088110	391,444	391,444	391,444	391,444									
6088120	4,356,349	4,356,349	4,356,349	4,356,349									
6088130	13,602,563	13,588,879	13,616,571	13,781,158									
6088140	10,184,914	10,184,914	10,184,914	10,184,914									
6088150	7,455,918	7,451,477	7,463,937	7,472,553									
6088160	687,759	687,759	687,759	687,759									
6088180	11,669,893	11,638,972	11,669,893	11,677,443									
6088190	66,825,854	65,752,643	67,033,327	68,474,989									
6088230	13,728,015	13,728,015	13,728,015	13,728,015									
6088240	6,327,794	6,315,269	6,559,719	7,111,894									
6088250	75,526	75,526	75,526	75,526									
6088260	717,131	717,131	717,131	717,131									
6088270	7,398,400	7,398,400	7,398,400	7,398,400									
6088280	7,782,617	7,782,617	7,782,617	7,782,617									
6088290	142,005	142,005	142,005	142,005									
6088310	1,699,443	1,411,281	1,978,430	2,205,819									
6088320	0	0	0	0									
6088330	1,197,874	1,197,874	1,197,874	1,197,874									
6088340	0	0	0	0									
6088350	0	0	0	0									
6088900	2,748,451	2,748,451	2,748,451	2,748,451									
<b>Totals</b>	347,903,729	345,898,146	349,260,373	353,077,060	0	0	0	0	0	0	0	0	0

**FUND 628**

ACTIVITY	NAME	EXP Sep-12	EXP YTD	FY12 Plan	Mand
6088010	TP Renovations	569,754	917,785	19,165,000	0%
6088020	P/W Water Rehab-Emergency	0	0	0	0%
6088030	Large Wtr Valve Replace	0	0	400,000	0%
6088040	Waterline Replace-Rehab	73,124	88,379	2,900,000	0%
6088050	Water Facility Renov	147,019	334,650	3,335,000	0%
6088060	Service Line Replacement	0	0	5,000	0%
6088070	Meter Box Replacement	34,857	38,840	5,000	0%
6088080	Duranas PS Replacement	0	0	0	0%
6088090	Auto 9 SCADA System	0	0	0	0%
6088100	Water Reduction-UAW Loss	589,955	651,287	90,000	0%
6088110	Liquid Waste Adv Eng	0	0	0	0%
6088120	P/W Sewer Rehab	0	0	0	0%
6088130	Sewer Line Replacement	164,587	178,594	2,000,000	0%
6088140	Cogeneration Fac Exp	0	0	400,000	0%
6088150	Odor Control	8,616	16,635	850,000	0%
6088160	Water Rehab Eng	0	0	0	0%
6088180	Lift Station Rehab	7,550	7,550	880,000	0%
6088190	Interceptor Sewer Rehab	1,441,662	1,649,135	2,550,000	0%
6088230	Yale Reservoir Replacement	0	0	0	0%
6088240	AMR Meter Installation	552,175	784,100	2,000,000	0%
6088250	Leak Detection Program	0	0	0	0%
6088260	628 CM & Inspection	0	0	300,000	0%
6088270	UV Disinfection System	0	0	0	0%
6088280	Franchise Fee Impact (1/2 WW 1/2 W	0	0	1,000,000	0%
6088290	Digester Renovation	0	0	0	0%
6088310	Steel Water Line	227,389	506,376	1,000,000	0%
6088320	Leak Detection Program-Non Basic	0	0	0	0%
6088330	Gas Engine Conversions	0	0	0	0%
6088340	Kiva Pump Station Replacement	0	0	0	0%
6088350	Griegos Pump Station Replacement	0	0	0	0%
6088900	Contingency	0	0	0	0%
<b>Totals</b>		3,816,687	5,173,331	36,880,000	

<b>MONTHLY EXP</b>		(2,005,583)	3,362,227	3,816,687	0	0	0	0	0	0	0	0	0
<b>YEAR TO DATE</b>		(2,005,583)	1,356,644	5,173,331	5,173,331	5,173,331	5,173,331	5,173,331	5,173,331	5,173,331	5,173,331	5,173,331	5,173,331
<b>CASH BALANCE 628</b>													
<b>INTEREST INCOME</b>		0					0						

		0	300,000	Misc
		2,769,698	26,345,000	WW
		2,403,633	10,235,000	Water



INTEREST YTD

0 0 0 0 0 0 0 0 0 0 0 0

FUND 629

FUND 629

PROJECT	06-30-12	07-31-12	08-31-12	09-30-12	10-31-12	11-30-12	12-31-12	01-31-13	02-28-13	03-31-13	04-30-13	05-31-13	06-30-13	ACTIVITY	NAME	EXP Sep-12	EXP YTD	FY12 Plan	Mand
6013010	3,990,975	3,990,975	3,990,975	3,990,975										6013010	Westland Reservoir PS	0	0	0	0%
6013020	832,720	832,720	832,720	832,720										6013020	Bond/Loan Issuance Expense	0	0	0	0%
6013040	736,687	736,687	736,687	736,687										6013040	Risk Reduction - NEW	0	0	25,000	0%
6013100	1,632,567	1,632,567	1,632,567	1,632,567										6013100	Cost of Issuance	0	0	0	0%
6013120	40,107	40,107	40,107	40,107										6013120	Cost of Issuance (NMFA Loan)	0	0	0	0%
6013130	1,448,960	1,448,960	1,448,960	1,448,960										6013130	Cost of Issuance	0	0	0	0%
6013140	2,032,796	2,032,796	2,032,796	2,039,539										6013140	Cost of Issuance	6,742	6,742	0	0%
6013200	110,143	110,143	110,143	110,143										6013200	Construction Management	0	0	0	0%
6013220	78,071	78,071	78,071	78,071										6013220	Pino Yards Replacement	0	0	0	0%
6013300	15,760,223	15,755,777	15,755,777	15,793,333										6013300	Waterline MP Extension	37,557	33,110	0	0%
6013340	4,025,728	4,025,728	4,025,728	4,025,728										6013340	Water Adv Land Acq	0	0	0	0%
6013460	17,544,980	17,544,980	17,778,056	17,778,106										6013460	Water Rights Enhance	50	233,126	0	0%
6013500	32,205,776	32,598,364	32,643,584	32,787,299										6013500	MIS Development	143,715	581,524	1,200,000	0%
6013510	0	(373,357)	(315,857)	(295,269)										6013510	Asset Management	20,588	(295,269)	0	0%
6013520	0	0	0	0										6013520	Maximo Conversion	0	0	0	0%
6013530	2,643,289	2,643,289	2,643,289	2,643,289										6013530	Landscape Facilities	0	0	0	0%
6013670	15,564,360	15,570,204	15,570,204	15,570,204										6013670	Water System Metering	0	5,843	620,000	0%
6013820	1,136,604	1,136,604	1,136,604	1,136,604										6013820	SAD Policy Water	0	0	55,000	0%
6013840	2,644,843	2,644,843	2,644,843	2,644,843										6013840	Well Drill Equip '93	0	0	0	0%
6013920	2,394,902	2,394,902	2,394,902	2,407,187										6013920	Water Utility Planning Program	12,285	12,285	0	0%
6013940	10,455,960	10,455,960	10,455,960	10,455,960										6013940	Arsenic Pilot Treatment	0	0	0	0%
6013960	130,787	130,787	130,787	130,787										6013960	Growth Strategy/IF	0	0	0	0%
6013970	7,191,811	7,191,811	7,191,811	7,191,811										6013970	Metro Detention Ctr Wtr Sup Fac	0	0	0	0%
6013980	454,884,592	454,880,897	454,934,398	455,039,995										6013980	Trf to 621 Land Acq. SJC WTP	105,597	155,403	0	0%
6013990	1,681,506	1,681,506	1,681,506	1,681,506										6013990	Volcano Cliffs PS	0	0	0	0%
6014140	4,892,289	4,892,289	4,892,289	4,892,289										6014140	Indus Master Plan Sewerline Ext	0	0	0	0%
6014220	3,742,652	3,742,652	3,742,652	3,756,074										6014220	Wastewater Master Plan	13,422	13,422	0	0%
6014230	2,789,990	2,789,990	2,789,990	2,789,990										6014230	Infrastructure Geo Info Sys	0	0	0	0%
6014340	785,538	785,538	785,538	785,538										6014340	SAD Policy Sewer	0	0	0	0%
6014410	5,622,280	5,622,280	5,622,280	5,622,280										6014410	WRM-SI/North I-25 Reuse Phase I	0	0	0	0%
6014430	3,218,915	3,218,915	3,218,915	3,218,915										6014430	Volcano Res #2	0	0	0	0%
6014440	1,706,662	1,706,662	1,706,662	1,706,662										6014440	Canada Res & Trans Line	0	0	0	0%
6014450	(2)	(2)	(2)	(2)										6014450	Water Reduction-UAW Loss	0	0	0	0%
6014460	25,041,885	25,041,885	25,041,885	25,041,885										6014460	WRM-SI/North I-25 Reuse Phase 2	0	0	0	0%
6014470	5,429,420	5,429,420	5,429,420	5,429,420										6014470	Water Vehicles	0	0	0	0%
6014480	4,582,027	4,582,027	4,582,027	4,582,027										6014480	Wastewater Vehicles	0	0	0	0%
6014490	1,324,866	1,324,866	1,324,866	1,324,866										6014490	ASOMS	0	0	0	0%
6014500	33,389,325	32,928,846	33,414,065	33,421,589										6014500	Municipal Effluent Reuse System	7,523	32,264	0	0%
6014510	0	0	0	0										6014510	FEMA Disaster Relief	0	0	0	0%
6014520	6,114,913	6,114,913	6,114,913	6,114,913										6014520	Coronado-Webster Pump Station-NEV	0	0	0	0%
6014530	57,446	57,446	57,446	57,446										6014530	W/WW/Reuse MP-NEW	0	0	0	0%
6013230	859,509	859,509	859,509	859,509										6013230	Developer Agreements	0	0	600,000	0%
6013470	10,854	10,854	10,854	10,854										6013470	Water Rights Basic	0	0	0	0%
6013480	414,485	365,207	365,207	448,217										6013480	Aquifer Storage and Recovery	83,010	33,733	0	0%
6014210	0	0	0	0										6014210	Alameda Trunk Arsenic Treatment	0	0	0	0%
6013490	55,051,262	55,051,262	55,051,262	55,051,262										6013490	New Mexico Utilities	0	0	0	0%
6014900	28,493,024	28,493,024	28,493,024	28,493,024										6014900	Contingency	0	0	0	0%
Totals	762,695,727	762,202,905	763,077,421	763,507,911	0	0	0	0	0	0	0	0	0	Totals	Totals	430,490	812,185	2,500,000	
MONTHLY EXP		(492,822)	874,517	430,490	0	0	0	0	0	0	0	0	0				0	625,000	Misc
YEAR TO DATE		(492,822)	381,695	812,185	812,185	812,185	812,185	812,185	812,185	812,185	812,185	812,185	812,185				13,422	0	WW
CASH BALANCE 629																	284,364	675,000	Water
INTEREST INCOME		0															228,143	0	WRM
INTEREST YTD		0	0	0	0	0	0	0	0	0	0	0	0				286,255	1,200,000	MIS
																	5,985,516	40,880,000	Total Plan

Water Utility Authority - CIP Funds  
Statement of Actual and Projected Expenditures  
FY2010

FUND NO.	FUND TITLE	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	1st Run Jun	Total Y-T-D Expenditures	Add Exp Proj Thru 06-30-10	Y-T-D Projected
623	Treatment	0	0	0	0	79,646	0	0	221,902	40,211	0	0	408,944	750,702	0	0
627	Valley	0	0	356,908	0	0	532,653	328,226	0	76,146	0	0	680,223	1,974,156	0	1,400,000
628	Rehab	199,408	2,820,971	1,634,878	3,850,083	2,052,376	1,450,769	3,515,671	2,446,093	3,750,408	4,691,969	1,788,414	4,423,307	32,624,346	0	39,600,000
629	Joint W/S	<u>81,489</u>	<u>2,884,135</u>	<u>1,537,442</u>	<u>1,178,551</u>	<u>625,965</u>	<u>1,840,165</u>	<u>763,536</u>	<u>2,019,173</u>	<u>2,551,310</u>	<u>2,904,912</u>	<u>3,321,171</u>	<u>6,224,212</u>	<u>25,932,060</u>	0	<u>12,800,000</u>
		280,897	5,705,106	3,529,228	5,028,634	2,757,987	3,823,588	4,607,433	4,687,168	6,418,074	7,596,881	5,109,585	11,736,685	61,281,265	0	53,800,000
YEAR TO DATE		280,897	5,986,003	9,515,232	14,543,866	17,301,853	21,125,441	25,732,873	30,420,041	36,838,115	44,434,995	49,544,580	61,281,265			

Water Utility Authority - CIP Funds  
Statement of Actual and Projected Expenditures  
FY2011

FUND NO.	FUND TITLE	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	1st Run Jun	Total Y-T-D Expenditures	Add Exp Proj Thru 06-30-11	Y-T-D Projected
623	Treatment	0	0	0	0	7,231	0	0	0	0	0	0	0	7,231	0	0
627	Valley	(233,805)	181,778	0	52,027	29,568	0	0	98,693	0	0	61,245	78,884	268,390	0	1,200,000
628	Rehab	(633,767)	2,306,116	2,003,487	1,840,199	2,119,322	2,515,925	2,458,165	2,277,134	3,852,973	3,411,272	3,513,287	15,851,294	41,515,408	0	42,520,000
629	Joint W/S	<u>(2,131,841)</u>	<u>3,604,736</u>	<u>2,354,015</u>	<u>1,518,624</u>	<u>1,918,070</u>	<u>1,854,578</u>	<u>1,518,192</u>	<u>720,967</u>	<u>3,414,213</u>	<u>929,820</u>	<u>2,208,193</u>	<u>3,698,086</u>	<u>21,607,653</u>	0	<u>3,800,000</u>
		(2,999,413)	6,092,631	4,357,502	3,410,849	4,074,191	4,370,503	3,976,358	3,096,794	7,267,186	4,341,092	5,782,726	19,628,263	63,398,681	0	47,520,000
YEAR TO DATE		(2,999,413)	3,093,218	7,450,719	10,861,569	14,935,760	19,306,263	23,282,620	26,379,415	33,646,600	37,987,692	43,770,418	63,398,681			

Water Utility Authority - CIP Funds  
Statement of Actual and Projected Expenditures  
FY2012

FUND NO.	FUND TITLE	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	1st Run Jun	Total Y-T-D Expenditures	Add Exp Proj Thru 06-30-12	Y-T-D Projected
623	Treatment	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
627	Valley	(294,797)	78,884	0	0	0	38,286	0	0	0	83,010	494,623	250,702	650,707	0	1,500,000
628	Rehab	(1,160,978)	2,574,859	1,269,717	2,704,246	1,348,124	1,885,327	1,509,209	4,364,742	2,594,880	3,424,148	2,664,705	7,177,114	30,356,093	0	36,880,000
629	Joint W/S	<u>116,468</u>	<u>2,808,721</u>	<u>1,244,931</u>	<u>1,658,421</u>	<u>1,156,438</u>	<u>1,099,363</u>	<u>865,803</u>	<u>881,780</u>	<u>2,110,968</u>	<u>428,816</u>	<u>556,308</u>	<u>1,211,600</u>	<u>14,139,617</u>	0	<u>2,500,000</u>
		(1,339,308)	5,462,464	2,514,648	4,362,667	2,504,563	3,022,977	2,375,012	5,246,521	4,705,848	3,935,974	3,715,636	8,639,416	45,146,417	0	40,880,000
YEAR TO DATE		(1,339,308)	4,123,156	6,637,804	11,000,471	13,505,034	16,528,011	18,903,022	24,149,544	28,855,391	32,791,365	36,507,001	45,146,417			

Water Utility Authority - CIP Funds  
Statement of Actual and Projected Expenditures  
FY2013

FUND NO.	FUND TITLE	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	1st Run Jun	Total Y-T-D Expenditures	Add Exp Proj Thru 06-30-13	Y-T-D Projected
623	Treatment	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
627	Valley	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1,500,000
628	Rehab	(2,005,583)	3,362,227	3,816,687	0	0	0	0	0	0	0	0	0	5,173,331	0	36,880,000
629	Joint W/S	<u>(492,822)</u>	<u>874,517</u>	<u>430,490</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>812,185</u>	0	<u>2,500,000</u>
		(2,498,405)	4,236,744	4,247,177	0	0	0	0	0	0	0	0	0	5,985,516	0	40,880,000
YEAR TO DATE		(2,498,405)	1,738,338	5,985,516	5,985,516	5,985,516	5,985,516	5,985,516	5,985,516	5,985,516	5,985,516	5,985,516	5,985,516			

WATER AUTHORITY GRANT STATUS REPORT

Expiration Date	Activity Number	Project Name	Grant Number	Grant Amount	Amount Requested	Cash Received	Payment Pending	Cash FY06	Cash FY07	Cash FY08	Cash FY09	Cash FY10	Cash FY11	Cash FY12	Cash FY13
Capital Grants & Loans															
6/30/2008	5918730	Ranchitos Funds	MOU	70,000.00	(70,000.00)	-	-								
	5918690	North Valley (Plan & Design) (was Kinney Brick)	SAP 03-2040-STB (SAP-98-0603-STB)	50,000.00	50,000.00	50,000.00	-			50,000.00					
12/31/2009	5920010	BOR-Phillips Water Reuse Fac	99-FC-40-1050-BOR	14,114,000.00	11,337,735.34	11,337,735.34	-	144,396.01		1,483,926.74	35,199.01	146,646.97	127,557.73		
	5918730	FEMA-WWTP Digester Cleanup	DR1514 PW#32, 45, 53, 83	5,518,221.85	3,935,271.86	3,935,271.86	-	812,417.40	720,023.82						
6/30/2010	5930100	Odor Control	SAP 06-1084-GF	475,000.00	424,794.34	424,794.34	-					424,794.34			
6/30/2011	5930090	Aquifer Storage & Recovery	SAP 07-4409-GF	20,000.00	20,000.00	20,000.00	-					20,000.00			
6/30/2011	5930060	Pajarito Mesa water system	SAP 07-4412-GF	250,000.00	247,684.54	247,684.54	-				125,214.73	81,493.83	40,975.98		
6/30/2011	5930040	Coors (Fortuna to Old Coors) Sewer Infrastructure	SAP 07-4414-GF	200,000.00	-	-	-								
6/30/2011	5930030	Coors (Yucca to Central ) Sewer Interceptor	SAP 07-4415 GF	25,000.00	25,000.00	-	25,000.00								
6/30/2011	5930070	Water & WW Improvements	SAP 07-4410-GF	400,000.00	-	-	-								
6/30/2011	5930080	Coors (Yucca & Central) Sewer Int	SAP 07-6453-GF	100,000.00	100,000.00	100,000.00	-						100,000.00		
6/30/2010	5930060	Pajarito Mesa Water	SAP 06-1247-GF	500,000.00	-	-	-								
6/30/2010	5930010	Arroyo del Oso Water & WW	SAP 06-1085-GF	984,660.00	984,660.00	984,660.00	-						984,660.00		
6/30/2010	6088050	SAF site improvements	SAF-06-L-2475	-	-	-	-								
6/30/2012	5930030	Coors (Fortuna Sewer Interceptor)	SAP-08-3817-GF	10,000.00	10,000.00	-	10,000.00								
6/30/2012	5930030	Coors/NM 45 Project	SAP-08-3082-STB	200,000.00	158,504.14	158,504.14	-					158,504.14			
6/30/2011	5930020	NMDOT-Coors Relief Interceptor	ST-0045(203)	500,000.00	500,000.00	500,000.00	-						500,000.00		
		NMFA Loan Drinking Water	1727-DW	12,000,000.00	8,195,623.89	8,195,623.89	-				3,489,445.59	4,706,178.30			
	5930090	Bear Canyon Recharge	MOU 6923	500,000.00	319,124.09	319,124.09	-						265,282.68	53,841.41	
		Carnuel Grants:													
			LOAN 2316-ADW	2,020,000.00	1,945,565.75	1,945,565.75	-							1,945,565.75	
			SAP-07-4416-GF	100,000.00	100,000.00	100,000.00	-					100,000.00			
			SAP-08-3821-GF	25,000.00	25,000.00	25,000.00	-					25,000.00			
			XP-976582-01	97,000.00	87,300.00	87,300.00	-					87,300.00			
			WTB-51	500,000.00	479,620.79	479,620.79	-					149,599.58	330,021.21		
			SSMEP	2,000,000.00	2,414,999.99	2,414,999.99	-					1,000,928.84	1,414,071.15		
			WTB-79	500,000.00	182,955.06	182,955.06	-						182,955.06		
			WTB-177	1,000,000.00	526,767.07	526,767.07	-						526,767.07		
	Totals			42,158,881.85	32,000,606.86	32,035,606.86	35,000.00	956,813.41	720,023.82	1,533,926.74	5,837,817.81	6,562,430.20	4,621,755.36		

Grant Closed

Description	Current Month	FY13 Y-T-D	FY13 Budget	FY13 Projection	
<b>Sources:</b>					
Interest on Investments *			500,000.00	500,000.00	
Miscellaneous Income					
Utility Expansion Charges	573,318.61	2,066,620.50	8,000,000.00	8,000,000.00	
Affordable Housing Rebate					
Transfer from Fund 621			66,362,000.00	66,362,000.00	
<b>Total Sources</b>	<b>573,318.61</b>	<b>2,066,620.50</b>	<b>74,862,000.00</b>	<b>74,862,000.00</b>	
Beginning Unrestricted Balance	(2,971,505.00) **	-2,971,505.00 **	-2,971,505.00 **	-2,971,505.00 **	
<b>Total Sources &amp; Beginning Balance</b>	<b>-2,398,186.39</b>	<b>-904,884.50</b>	<b>71,890,495.00</b>	<b>71,890,495.00</b>	
<b>Expenditures/Appropriations:</b>					
<b>Debt Service Principal &amp; Interest:</b>					
EID Loans Principal	0	0	551,384.55	551,384.55	
8M Interest	0	0	16,541.54	16,541.54	567,926.09
SRF Loan Principal	0	0	440,673.95	440,673.95	SRF finalized at 9,627,876.72
9.627M Interest	0	-23,515	205,001.69	205,001.69	645,675.64
SRF Loan Principal	0	0	320,832.00	320,832.00	
3.6M-Duranes Interest	0	0	17,183.64	17,183.64	338,015.64 Puts \$2,454.80 into Fiscal Agent Fee
2004A NMFA Principal	0	0	4,000,000.00	4,000,000.00	
36.295M Basic Interest	0	-93,678	541,003.33	541,003.33	4,541,003.33 Puts \$40,720.83 into Fiscal Agent Fee
2004B NMFA Principal	0	0	4,480,000.00	4,480,000.00	
82.120M SJC Interest	0	-371,090	2,202,944.33	2,202,944.33	6,682,944.33 Puts \$151,133.33 into Fiscal Agent Fee
DWRLF (1727-DW) Principal	0	0	505,000.00	505,000.00	
10.4M-Santa Barbara Interest	0	-28,468	230,100.00	230,100.00	735,100.00
2005 Bond Principal	0	0	5,280,000.00	5,280,000.00	
116.695 SJC Interest	0	0	4,998,936.26	4,998,936.26	10,278,936.26
2005 Bond Principal	0	0	1,910,000.00	1,910,000.00	
16.290 Basic Interest	0	0	500,850.00	500,850.00	2,410,850.00
2005 Loan Principal	0	0	650,000.00	650,000.00	
20M SJC Interest	0	-113,818	679,235.00	679,235.00	1,329,235.00 Puts \$44,866.67 into Fiscal Agent Fee
2006 Bond Principal	0	0	5,090,000.00	5,090,000.00	
112.765 SJC Interest	0	0	4,715,278.76	4,715,278.76	9,805,278.76
2006 Bond Principal	0	0	0.00	0.00	
11.945 - 627 Interest	0	0	572,205.00	572,205.00	572,205.00
2006 Bond Principal	0	0	890,000.00	890,000.00	
8.680 - 628 Interest	0	0	277,131.26	277,131.26	1,167,131.26
2007A NMFA Principal	0	0	1,070,000.00	1,070,000.00	
\$53.595 Basic Interest	0	-328,261	2,029,687.50	2,029,687.50	3,099,687.50 Puts \$103,937.50 into Fiscal Agent Fee
2007A NMFA Principal	0	0	3,860,000.00	3,860,000.00	
\$23.410 SJC Interest	0	-169,104	954,500.00	954,500.00	4,814,500.00 Puts \$49,150 into Fiscal Agent Fee
2008 Bond Principal	0	0	0.00	0.00	
\$48.430 SJC Interest	0	0	2,421,500.00	2,421,500.00	2,421,500.00
2008 Bond Principal	0	0	0.00	0.00	
\$7.20 Reuse Interest	0	0	360,000.00	360,000.00	360,000.00
2009 Bond Principal			6,300,000.00	6,300,000.00	
\$ Interest			6,092,500.00	6,092,500.00	12,392,500.00
2009 Bond Principal			165,000.00	165,000.00	
\$ SJC Interest			336,050.00	336,050.00	501,050.00
2009 Bond Principal			3,910,000.00	3,910,000.00	
2001 refunding Interest			148,500.00	148,500.00	4,058,500.00
2011 Bond NMFA Principal			2,595,000.00	2,595,000.00	
\$37.740 Basic Interest	0	-149,126	1,802,050.00	1,802,050.00	4,397,050.00
2011 Bond NMFA Principal			115,200.00	115,200.00	
\$5M SJC Interest	0	-18,903	229,882.00	229,882.00	345,082.00
2011 Bond NMFA Principal			244,800.00	244,800.00	
\$10.660 Reuse Interest	0	-42,007	488,499.26	488,499.26	733,299.26
2009 DWRF Principal			46,783.00	46,783.00	
\$1.010M Interest			9,178.28	9,178.28	55,961.28
2009 WTB-0051 Principal			2,511.00	2,511.00	
\$50K Interest			108.88	108.88	2,619.88
2009 WTB-0079 Principal			5,029.00	5,029.00	
\$100K Interest			218.09	218.09	5,247.09
2010 177-WTB Principal			9,813.00	9,813.00	
\$200K Interest			451.14	451.14	10,264.14
2010 DWRF Principal			2,179.00	2,179.00	
2379-PP Interest			340.20	340.20	2,519.20
2010 DWRF Principal			2,779.00	2,779.00	
2380-PP Interest			433.86	433.86	3,212.86
2010 DWRF Principal			5,753.00	5,753.00	
2381-PP Interest			898.18	898.18	6,651.18
2010 2380-ADW Principal			2,797.00	2,797.00	
59.872K Interest			411.60	411.60	3,208.60 Puts \$137.20 into Fiscal Agent Fee
2011 #0205 WTB Principal			22,067.00	22,067.00	
59.872K Interest	0	-69	684.26	684.26	22,751.26
2011 #0206 WTB Principal			31,246.00	31,246.00	
59.872K Interest			968.93	968.93	32,214.93
2011 #0207 WTB Principal			3,093.00	3,093.00	
59.872K Interest			95.92	95.92	3,188.92
Rounding Principal	0	0	59.50		
Interest	0	0	631.09		-
<b>Total Principal &amp; Interest</b>	<b>0.00</b>	<b>(1,338,039.00)</b>	<b>72,346,000.00</b>	<b>72,345,309.41</b>	
<b>Other Expenditures:</b>					
Transfer to Capital	0.00	0.00	3,000,000.00	3,000,000.00	Min Required \$354,000
Fiscal Agent Fees	0.00	0.00	392,000.00	392,400.33	
<b>Total Other Expenditures</b>	<b>0.00</b>	<b>0.00</b>	<b>3,392,000.00</b>	<b>3,392,400.33</b>	
<b>Total Expenditures/Appropriations</b>	<b>0.00</b>	<b>(1,338,039.00)</b>	<b>75,738,000.00</b>	<b>75,737,709.74</b>	
<b>ENDING UNRESTRICTED BALANCE</b>	<b>(2,398,186.39)</b>	<b>433,154.50</b>	<b>(3,847,505.00)</b>	<b>(3,847,214.74)</b>	

\*\* unaudited

Fiscal Agent	0.00	0.00	392,000.00	392,400.33
Total Principal	0.00	0.00	42,512,000.00	42,511,940.50
Total Interest	0.00	-1,127,934.00	29,834,000.00	29,833,368.91
	-	(1,127,934)	72,738,000.00	72,737,709.74

Meeting Date: November 28, 2012  
Staff Contact: Chris Framel, Chief Information Officer

**TITLE: C-12-27 – Approving Sole Source Agreement with activeG, LLC. For Maximo/Geographic Information Systems (GIS) Implementation Services**

**ACTION: Recommend Approval**

**SUMMARY:**

The Water Authority's Maximo software currently uses MaxGIS for assigning and mapping work orders through Maximo. MaxGIS was written and provided to the Water Authority by EMA, Inc. several years ago as part of the Maximo 4.1 implementation. Over the past several years, IBM purchased the Maximo software and began developing a product similar to MaxGIS called Maximo Spatial.

Since the introduction of Maximo Spatial, the development of additional functionality in MaxGIS has stopped and it is now supported on a limited basis. IBM has improved Maximo Spatial to where it now is a viable product; however, it does not work on the current version of Maximo the Water Authority uses. There are no plans to upgrade to the current version until late FY14 or early FY15.

Both MaxGIS and Maximo Spatial use the GIS base layer maintained and provided by the City. The City is planning to upgrade its GIS software in the spring of 2013. When completed, MaxGIS no longer work with Maximo.

The Water Authority researched alternatives and found activeG to be the only solution in the short-term. The product can be installed quickly and in time to ensure that no loss of GIS functionality in Maximo when the City upgrades their system.

**FISCAL IMPACT:**

The cost of this agreement is approximately \$111,000. The Water Authority has budgeted the capital resources to cover this agreement.



# Memo

**To:** Mark S, Sanchez, Executive Director  
**From:** Chris Framel, Chief Information Officer *CF*  
**CC:** Stanley Allred, Chief Financial Officer  
**Date:** 11/19/2012  
**Re:** Sole Source

---

Our Maximo application currently uses MaxGIS for assigning and mapping workorders through Maximo. MaxGIS was written and provided to the Water Authority by EMA several years ago as part of the Maximo 4.1 implementation. When we upgraded to our current version, we continued to use MaxGIS as there was no alternative. Over the past several years, IBM purchased the Maximo software and began developing a product similar to MaxGIS called Maximo Spatial. When introduced, we purchased 50 licenses of this software but the product did not provide the same functionality as MaxGIS.

Since the introduction of Maximo Spatial, the development of MaxGIS has basically come to a standstill and is now supported on a limited basis. I have a letter from EMA stating they will no longer provide upgrades and only limited support. IBM has improved Maximo Spatial to where it now is a viable product; however, it works on a later version of Maximo and we have no plans to upgrade to that version until late FY14 or early FY15.

Both MaxGIS and Maximo Spatial use the GIS base layer maintained and provided by the City. The City is planning to upgrade its GIS software, which when complete, will result in MaxGIS no longer working with Maximo. The timing of this upgrade is spring of 2013.

Taking everything into account, we researched alternatives and found activeG to be our only solution in the short-term. We can install this product quickly and hopefully in time to ensure we have no loss of GIS functionality in Maximo when the City upgrades their system. Due to the recent conversions of Reclamation and Collections into Maximo, I do not want to do a major upgrade of Maximo.

I ask for your approval as a sole source purchase so that we may complete this implementation before the City upgrades their GIS software.

*MS* Approved:   
Mark S, Sanchez, Executive Director

11/19/12  
Date

**AGREEMENT  
BETWEEN THE  
ALBUQUERQUE BERNALILLO COUNTY WATER UTILITY AUTHORITY  
AND  
ACTIVEG, LLC.**

**THIS AGREEMENT** is made and entered into on the date of the last signature entered below by and between the Albuquerque Bernalillo County Water Utility Authority, a New Mexico political subdivision, P.O. Box 568, Albuquerque, New Mexico 87103-0568 (hereinafter referred to as the "Water Authority") and ActiveG, LLC, a Arizona corporation located at P.O. Box 957, Mesa, Arizona 85211 (hereinafter referred to as the "Contractor").

**RECITALS**

**WHEREAS**, the Water Authority requires software to replace its unsupported Maximo GIS tracking system; and

**WHEREAS**, the Contractor provides such software; and

**WHEREAS**, the Water Authority desires to procure licenses and engage the Contractor to perform implementation services on such software; and

**WHEREAS**, the Contractor is able to provide such services at a cost and in a timeframe in accordance with Water Authority goals and objectives.

**NOW THEREFORE**, in consideration of the premises and mutual obligations herein, the parties hereto do mutually agree as follows:

1. **Scope of Services:** The Contractor shall perform the following services (hereinafter referred to as the "Services") in a satisfactory and proper manner, as determined by the Water Authority:
  - A. Provide licenses and perform the implementation services as identified in Exhibit A Scope of Work.
2. **Time of Performance:** Services of the Contractor shall commence on December 1, 2012, and shall be undertaken and completed in such sequence as to assure their expeditious completion in light of the purposes of this Agreement; provided, however, that in any event, all of the Services required hereunder shall be completed by November 30, 2013.
3. **Compensation and Method of Payment:**
  - A. **Compensation.** For performing the Services specified in Section 1 hereof, the Water Authority agrees to pay the Contractor up to the amount of **One Hundred Eleven Thousand and 00/100 Dollars (\$111,000.00)**, which amount includes any applicable gross receipts taxes and which amount shall constitute full and complete



compensation for the Contractor's Services under this Agreement, including all expenditures made and expenses incurred by the Contractor in performing such Services.

- B. **Method of Payment for Services.** Payment for Services shall be made based on the payment schedule attached as Exhibit A and incorporated herein, which rates include any applicable gross receipts taxes. Payments shall be made to the Contractor monthly for Services provided during the previous month. Payments shall be made upon receipt by the Water Authority of properly documented requisitions for payment as determined by the budgetary and fiscal guidelines of the Water Authority and on the condition that the Contractor has accomplished the Services to the satisfaction of the Water Authority.
  - C. **Appropriations.** Notwithstanding any other provisions in this Agreement, the terms of this Agreement are contingent upon the Water Authority Board making the appropriations necessary for the performance of this Agreement. If sufficient appropriations and authorization are not made by the Water Authority Board, this Agreement may be terminated at the end of the Water Authority's then current fiscal year upon written notice given by the Water Authority to the Contractor. Such event shall not constitute an event of default. All payment obligations of the Water Authority and all of its interest in this Agreement will cease upon the date of termination. The Water Authority's decision as to whether sufficient appropriations are available shall be accepted by the Contractor and shall be final.
4. **Independent Contractor:** Neither the Contractor nor its employees are considered to be employees of the Water Authority for any purpose whatsoever. The Contractor is considered as an independent contractor at all times in the performance of the Services described in Section 1. The Contractor further agrees that neither it nor its employees are entitled to any benefits from the Water Authority under the provisions of the Workers' Compensation Act of the State of New Mexico, or to any of the benefits granted to employees of the Water Authority under the provisions of the Merit System Ordinance as now enacted or hereafter amended.
5. **Personnel:**
- A. The Contractor represents that it has, or will secure at its own expense, all personnel required in performing all of the Services required under this Agreement. Such personnel shall not be employees of or have any contractual relationship with the Water Authority.
  - B. All the Services required hereunder will be performed by the Contractor or under its supervision and all personnel engaged in the work shall be fully qualified and shall be authorized or permitted under state and local law to perform such Services.
  - C. None of the work or Services covered by this Agreement shall be subcontracted without the prior written approval of the Water Authority. Any work or Services

subcontracted hereunder shall be specified by written contract or Agreement and shall be subject to each provision of the Agreement.

6. **Indemnity:** The Contractor agrees to defend, indemnify and hold harmless the Water Authority and its officials, agents and employees from and against any and all claims, actions, suits or proceeding of any kind brought against said parties for or on account of any matter arising out of or resulting from the Services performed by the Contractor under this Agreement. The indemnity required hereunder shall not be limited by reason of the specification of any particular insurance coverage in this Agreement.

7. **Insurance:** The Contractor shall procure and maintain at its expense until final payment by the Water Authority for services covered by this Agreement, insurance in the kinds and amounts hereinafter provided with insurance companies authorized to do business in the State of New Mexico, covering all operations under this Agreement, whether performed by it or its agents. Before commencing the Services and on the renewal of all coverages, the Contractor shall furnish the Water Authority a certificate or certificates in form satisfactory to the Water Authority showing that it has complied with this Section. All certificates of insurance shall provide that thirty (30) days written notice be given to the Risk Manager, Department of Finance and Administrative Services, City of Albuquerque, P.O. Box 470, Albuquerque, New Mexico, 87103, before a policy is canceled, materially changed, or not renewed. Various types of required insurance may be written in one or more policies. With respect to all coverages required other than workers' compensation, the Water Authority shall be named an additional insured. All coverages afforded shall be primary with respect to operations provided. Kinds and amounts of insurance required are as follows:

A. **Commercial General Liability Insurance.** A commercial general liability insurance policy with combined limits of liability for bodily injury or property damage as follows:

\$1,000,000	Per Occurrence
\$1,000,000	Policy Aggregate
\$1,000,000	Products Liability/Completed Operations
\$1,000,000	Personal and Advertising Injury
\$ 50,000	Fire - Legal
\$ 5,000	Medical Payments

Said policy of insurance must include coverage for all operations performed for the Authority by the Contractor and contractual liability coverage shall specifically insure the hold harmless provisions of this Agreement.

B. **Automobile Liability Insurance.** An automobile liability insurance policy with liability limits in amounts not less than \$1,000,000 combined single limit of liability for bodily injury, including death, and property damage in any one occurrence. Said policy of insurance must include coverage for the use of all owned, non-owned, hired automobiles, vehicles and other equipment, both on and off work.

- C. **Workers' Compensation Insurance.** Workers' compensation insurance for its employees in accordance with the provisions of the Workers' Compensation Act of the State of New Mexico.
- D. **Increased Limits.** If, during the term of this Agreement, the Water Authority requires the Contractor to increase maximum limits of any insurance required herein, an appropriate adjustment in the Contractor's compensation will be made.
8. **Discrimination Prohibited:** In performing the Services required hereunder, the Contractor shall not discriminate against any person on the basis of race, color, religion, gender, sexual preference, sexual orientation, national origin or ancestry, age, physical handicap, or disability as defined in the Americans With Disabilities Act of 1990, as now enacted or hereafter amended.
9. **ADA Compliance:** In performing the Services required hereunder, the Contractor agrees to meet all the requirements of the Americans With Disabilities Act of 1990, and all applicable rules and regulations (the "ADA"), which are imposed directly on the Contractor or which would be imposed on the Water Authority as a public entity. The Contractor agrees to be responsible for knowing all applicable requirements of the ADA and to defend, indemnify and hold harmless the Water Authority, its officials, agents and employees from and against any and all claims, actions, suits or proceedings of any kind brought against said parties as a result of any acts or omissions of the Contractor or its agents in violation of the ADA.
10. **Reports and Information:** At such times and in such forms as the Water Authority may require, there shall be furnished to the Water Authority such statements, records, reports, data and information, as the Water Authority may request pertaining to matters covered by this Agreement. Unless authorized by the Water Authority, the Contractor will not release any information concerning the work product including any reports or other documents prepared pursuant to this Agreement until the final product is submitted to the Water Authority.
11. **Establishment and Maintenance of Records:** Records shall be maintained by the Contractor in accordance with applicable law and requirements prescribed by the Water Authority with respect to all matters covered by this Agreement. Except as otherwise authorized by the Water Authority, such records shall be maintained for a period of three (3) years after receipt of final payment under this Agreement.
12. **Audits and Inspections:** At any time during normal business hours and as often as the Water Authority may deem necessary, there shall be made available to the Water Authority for examination all of the Contractor's records with respect to all matters covered by this Agreement. The Contractor shall permit the Water Authority to audit, examine, and make excerpts or transcripts from such records, and to make audits of all contracts, invoices, materials, payrolls, records of personnel, conditions of employment, and other data relating to all matters covered by this Agreement.

13. **Conflict of Interest; Governmental Conduct Act:** The Contractor warrants that it presently has no interest and shall not acquire any interest, direct or indirect, which would conflict in any manner or degree with the performance or services required under this Agreement. The Contractor certifies that the requirements of the Governmental Conduct Act, Sections 10-16-1 through 10-16-18, NMSA 1978, regarding contracting with a current or former “public officer or employee” have been followed.
14. **Publication, Reproduction and Use of Material:** No material produced in whole or in part under this Agreement shall be subject to copyright in the United States or in any other country. The Water Authority shall have unrestricted authority to publish, disclose, distribute and otherwise use, in whole or in part, any reports, data or other materials prepared under this Agreement.
15. **Compliance with Laws:** In performing the Services required herein, the Contractor shall comply with all applicable laws, ordinances, and codes of the Federal, State and local governments.
16. **Changes:** The Water Authority may, from time to time, request changes in the Services to be performed hereunder. Such changes, including any increase or decrease in the amount of the Contractor's compensation, which are mutually agreed upon by and between the Water Authority and the Contractor, shall be incorporated in written amendments to this Agreement.
17. **Assignability:** The Contractor shall not assign any interest in this Agreement and shall not transfer any interest in this Agreement (whether by assignment or novation), without the prior written consent of the Water Authority therein.
18. **Termination for Cause:** If, through any cause, the Contractor shall fail to fulfill in a timely and proper manner its obligations under this Agreement or if the Contractor shall violate any of the covenants, agreements, or stipulations of this Agreement, the Water Authority shall thereupon have the right to terminate this Agreement by giving written notice to the Contractor of such termination and specifying the effective date thereof at least five (5) days before the effective date of such termination. In such event, all finished or unfinished documents, data, maps, studies, surveys, drawings, models, photographs, and reports prepared by the Contractor under this Agreement shall, at the option of the Water Authority, become its property. The Contractor shall be entitled to receive just and equitable compensation for any work satisfactorily completed hereunder.

Notwithstanding the above, the Contractor shall not be relieved of liability to the Water Authority for damages sustained by the Water Authority by virtue of any breach of this Agreement by the Contractor, and the Water Authority may withhold any payments to the Contractor for the purposes of set-off until such time as the exact amount of damages due the Water Authority from the Contractor is determined.

19. **Termination for Convenience of Water Authority:** The Water Authority may terminate this Agreement at any time without cause and for the convenience of the Water Authority by giving at least ten (10) days' notice in writing to the Contractor. If the Contractor is terminated by the Water Authority as provided herein, the Contractor will be paid an amount which bears the same ratio to the total compensation as the Services actually performed bear to the total Services of the Contractor covered by this Agreement, less payments of compensation previously made. If this Agreement is terminated due to the fault of the Contractor, the preceding Section hereof relative to termination shall apply.
20. **Construction and Severability:** If any part of this Agreement is held to be invalid or unenforceable, such holding will not affect the validity or enforceability of any other part of this Agreement so long as the remainder of the Agreement is reasonably capable of completion.
21. **Enforcement:** The Contractor agrees to pay to the Water Authority all costs and expenses including reasonable attorney's fees incurred by the Water Authority in exercising any of its rights or remedies in connection with the enforcement of this Agreement.
22. **Entire Agreement:** This Agreement contains the entire agreement of the parties and supersedes any and all other agreements or understandings, oral or written, whether previous to the execution hereof or contemporaneous herewith.
23. **Applicable Law:** This Agreement shall be governed by the construed and enforced in accordance with the laws of the State of New Mexico, and the laws, rules and regulations of the Albuquerque Bernalillo County Water Utility Authority.
24. **Approval Required:** This Agreement shall not become effective or binding until approved by the Water Authority's Executive Director.

**THIS SPACE LEFT BLANK INTENTIONALLY**

IN WITNESS WHEREOF, the Water Authority and the Contractor have executed this Agreement on the date of the last signature entered below.

**ALBUQUERQUE BERNALILLO COUNTY  
WATER UTILITY AUTHORITY**

**CONTRACTOR: ACTIVEG, LLC.**

Approved By:

By: \_\_\_\_\_

Print: \_\_\_\_\_

\_\_\_\_\_  
Mark S. Sanchez, Executive Director

Title: \_\_\_\_\_

Date: \_\_\_\_\_

Date: \_\_\_\_\_

Reviewed by:

State Taxation and Revenue Department  
Taxpayer Identification No.: \_\_\_\_\_

\_\_\_\_\_  
Charles W. Kolberg, General Counsel

Federal Taxpayer Identification No.  
\_\_\_\_\_

Date: \_\_\_\_\_

EXHIBIT A

**activeG, LLC**  
**Statement of Work for**  
**Albuquerque Bernalillo County Water Utility Authority**  
11/2/2012

The following is a statement of work provided by activeG, LLC to Albuquerque Bernalillo County Water Utility Authority (ABCWUA), for the implementation of activeG MapEngine™, spatial integration for Maximo.

The information provided in this document is confidential and is not to be used without written consent of activeG, LLC. It outlines a statement of work with assumptions for a Maximo/GIS integration project using MapEngine. The enclosed assumptions are based on emails, web casts, and discussions between ABCWUA (Michael Arellano, Dawn Alexander, and Al Candelaria) and activeG (Andy Stewart).

Prepared by:

Andy Stewart  
activeG – Director, Business Development  
[andy.stewart@activeG.com](mailto:andy.stewart@activeG.com)  
Mesa, Arizona, USA  
1 (480) 610-0839

## Implementation Scope

The scope of this proposal covers the implementation of activeG™ MapEngine™ for one production instance of Maximo, which includes installation of MapEngine in a development, test (optional), and production environment.

The implementation scope includes:

1. A multi-day, on-site workshop to determine requirements, data strategy.
2. Embedding ESRI ArcGIS map component into the activeG MapEngine.
3. Embedding MapEngine functionality and Map into the following applications:
  - Work Order Tracking
  - Service Request
  - Preventive Maintenance
  - Routes
  - Asset
  - Location
4. Adding Map Layers
  - Map in Maximo to display 20 Layers representing assets and/or locations, including the following categories: Water, Wastewater, Reclaimed Water
5. Synchronizing Data
  - Create/update assets and locations in Maximo from GIS database (one direction).
  - Converting Meters from locations to assets (TBD)
6. Implementing map functionality outlined in the [Functionality](#) section below.

## Products to be Implemented

1. activeG™ MapEngine™ - embedded maps in Maximo GUI.
2. activeG™ AGIG™ Server Software – server side of MapEngine™.
3. activeG™ MEAdmin™ - synchronization software.

## Functionality

The following features are included in the scope of functionality to be delivered for the installation:

1. All map-enabled Maximo applications:
  - a. Provide an embedded map using ESRI ArcGIS Map Service.
  - b. Map look and feel defined by the MXD published to ArcGIS Server.
  - c. Floating MapEngine tools/windows (position preferences saved on a per-user basis).
  - d. Zoom to the extent of all selected features.
  - e. Named/saved user extents (user-specific).
  - f. Zoom forwards and backwards through previous extents (like back and forward on a browser).
  - g. Select / highlight Maximo Asset or Location on map.
  - h. Set Maximo Asset or Location based on map selected item.



- i. Search for map item using standard MapEngine search capabilities.
  - j. Legend layer symbology images auto-populated from ArcGIS map service (requires ArcGIS Server version 10+).
  - k. Map legend templates.
    - i. Define which categories and layers are visible per each template.
    - ii. Define default templates for all users.
    - iii. Users can select a template that meets their needs (e.g., water vs. wastewater)
  - i. Feed MapEngine map extent to Google Maps (maps.google.com).
2. Service Requests
- a. Create Service Requests on point assets or locations.
3. Work Order Tracking
- a. Find and select related work orders (parent and all of the child WOs).
  - b. Find and select all assets/locations of related WOs.
  - c. Create Point Work Orders on point assets or locations.
  - d. Point Work Order Display (*Service hours for this to be determined after a formal workshop.*)
    - i. Create work orders Differentiate display of point work orders by work order status.
    - ii. Differentiate display by work order type (i.e. Sub Work Type: Televised, etc.)
    - iii. Ability to turn on and off work order layers by status, sub work type.
  - e. Linear Work Orders (*Service hours for this to be determined after a formal workshop.*)
    - i. Create work orders on individual linear assets.
    - ii. Indicate start and end point of linear work order graphically.
    - iii. Display work order beginning-to-ending area over linear Maximo assets
      - 1. Water pipes
      - 2. Waste Water pipes
      - 3. Reclamation pipes
  - f. Map Query
    - i. Find and select one or multiple work orders by user-defined parameters.
    - ii. Find and select one or multiple locations/assets by user-defined parameters.
  - g. Spatial selection of work orders to add to application List Tab's List table (Where Clause) for editing/updating.

4. Assets
  - a. Select and locate assets on the map.
5. Locations
  - a. Select and locate locations on the map.
6. Routes
  - a. Create route stops spatially on the map.
  - b. Reorder route stops using the map interface.
  - c. Add additional route stops to an existing route.
  - d. Delete route stops from an existing route.
7. Preventive Maintenance
  - a. Create PM from the Map, using assets, locations.
  - b. Map the assets/locations/route stops on the PM.
8. GIS-to-Maximo Data Synchronization via activeG MEAdmin tool.

### **Assumptions for Statement of Work**

1. Service hours listed below are estimates only. Actual service hours may exceed given estimates.
2. The implementation is assumed to take place on an environment with the following technical configuration:
  - a. GIS
    - i. ArcGIS Server 9.3.x
    - ii. ArcSDE 9.3.x
  - b. Maximo
    - i. Maximo version 6.2.5
    - ii. All implementations in the scope of this proposal will be done without Maximo Linear product.
    - iii. ABCWUA will provide the JDBC driver for MapEngine's connection to the Maximo database hosted on Oracle.
3. There will be one central ArcSDE database that will feed GIS data to Maximo for this implementation.
4. There will be one common Maximo production instance that will host this implementation. That one instance will have one SITE and one ORG, under which all work will be done.
5. All data for each asset and location will be unique for this and future implementations.
6. The visualization of the GIS data inside Maximo will be 2D ESRI ArcGIS Server Maps, delivered as an ArcGIS map service to be provided by the client.
7. A maximum of 20 GIS layers will be loaded as unique Asset or Locations, into the Maximo hierarchy. Loading of additional GIS layers will require additional service time and may delay the implementation.
8. The proposal does not include any GIS data conversion. It assumes that all GIS data is available in ArcSDE, with unique identifiers corresponding to the Maximo location/asset numbers on all GIS objects. Sufficient attribution must be on the GIS data layers to place each item correctly in the Maximo location/asset hierarchy and fill-in the associated the asset class information.
9. ABCWUA's current Maximo hierarchy will remain intact for the implementation, unless testing reveals the need to make changes. In that case, additional service hours not included in this proposal will be required.
10. The proposal assumes a maximum of three test data loads between GIS and Maximo. Additional data loads, which typically come from a change in the Location/Asset Hierarchy or change in GIS datasets, will require additional service time not included in this proposal.
11. All work performed by activeG will be done remotely at the activeG offices. A configured Maximo development environment with VPN access and remote terminal services shall be provided by the client for activeG's portion of the implementation.

12. activeG will do the initial install and configuration work in a Maximo development environment. activeG will assist ABCWUA in migrating this solution into a Maximo test environment, then assist ABCWUA in migrating the final solution into a Maximo production environment.
13. Project meetings and team interaction will be conducted by web teleconference tools, such as GoToMeeting™.
14. The proposal assumes the map will be placed in the Maximo applications listed in the [Implementation Scope](#) section, with map lookup by: location code, asset code, and any attribution which ties to a GIS graphic.
15. Enabling the integration between MapEngine and TRM RulesManager™ is included in the proposal. Development hours for the creation of any ABCWUA-specific RulesManager rules/functionality are not included.
16. **Service time to implement linear asset management is not included in the proposal.** These additional functions, while available in the provided software, cannot be quoted without a detailed discussion with the client concerning the GIS data and specific business requirements.
17. The proposal does not include interfaces to any other systems (financial, utility billing, TV video, pavement management, network tracing, ArcFM Designer, etc.). The exception to this is “alias” searching against any database table, inside or outside of Maximo, which has keys linking to GIS information.
18. Network Tracing is not provided out-of-the-box. Detailed discussions client will need to occur before a cost estimate can be provided.
19. Training will be in train-the-trainer format (2 admin and/or end-user types).
20. One/two on-site visits in the initial phase of project as needed.
21. Travel will be billed at cost.
22. The map use count is determined by the number of client user licenses purchased by the customer.
23. This statement of work valid for 45 days.
24. Prices do not include taxes, export/import fees, county/national/state/local licenses, or database/software licenses (database drivers, ODBC drivers, Oracle Spatial licenses, ESRI software/data licenses, ArcSDE licenses, etc.)

### **Implementation steps**

1. Workshop on GIS-to-Maximo Data Synchronization methodology, Linear WOs, and WO Legend.
2. Establish VPN and remote desktop access to Maximo application server and Maximo database server.
3. Install activeG MapEngine software on Maximo application server.

4. Signoff on the Maximo location/asset hierarchy from GIS data with the client.
5. Configure activeG MEAdmin application to load GIS data into test database.
6. Perform one-time data sync from GIS to Maximo (needs to be done once each for dev, test and prod).
7. Load GIS data into development database.
8. Configure a tab(s) on the Maximo applications with a GIS map (see [Implementation Scope](#)) and appropriate interaction for selecting locations/assets by the map.
9. Assist in testing the application, as well as provide a training document with client specific screen shots.
10. Train the Maximo admin and/or DBA on data synchronization.
11. Train the trainer on the use of the map on the Maximo web page.
12. Assist/train client Maximo administrator(s) in moving MapEngine configuration and database elements from Development to Production environment.
13. Go Live Support

## MapEngine for Maximo 6.x Implementation Detail

### Work (hours) Breakdown for Required and Optional Items

The following work hours are presented only as estimates. This proposal does not include an estimate for implementing Linear Work Orders and specific ABCWUA Work Order Display requirements. These details will be finalized after the workshop with ABCWUA.

No.	Name	Work Hours
<b>1</b>	<b>ABCWUA Project</b>	<b>800 hrs</b>
<b>1.1</b>	<b>2-day Workshop Prep, Execution, and Follow up</b>	<b>120 hrs</b>
1.1.1	2-day Workshop Prep and Execution	70 hrs
1.1.2	Finalize Requirements	20 hrs
1.1.3	Write-up/documentation after workshop and requirements gathering	30 hrs
<b>1.2</b>	<b>Maximo Dev Installation</b>	<b>50 hrs</b>
1.2.1	Secure and test system access	10 hrs
1.2.2	Database	20 hrs
1.2.3	MapEngine Files Install and Variable Setting	10 hrs
1.2.4	Install MEAdmin	5 hrs
1.2.5	Configure Back Ups, other data repositories	5 hrs
<b>1.3</b>	<b>Data Prep and Sync - 20 layers</b>	<b>185 hrs</b>
1.3.1	Finalize Hierarchy, Asset Class, Failure Class specifications and update in Maximo	30 hrs
1.3.2	GIS Data Validation (Maximo ID)	15 hrs
1.3.3	Update AGMAPLAYERS	20 hrs
1.3.4	Create entries in MEAdmin for each layer	30 hrs
1.3.5	Test configuration	30 hrs
1.3.6	Validate results with the client	10 hrs
1.3.7	Correct configuration errors	10 hrs
1.3.8	Rerun data load	10 hrs

1.3.9	Validate data load	25 hrs
1.3.10	Set up batch process, if necessary	5 hrs
1.3.11	Converting Meters from locations to assets	TBD
<b>1.4</b>	<b>Install, Configure, and Test Map in Maximo Applications</b>	<b>250 hrs</b>
1.4.1	Work Order Tracking	80 hrs
1.4.2	Service Requests	20 hrs
1.4.2	Assets	15 hrs
1.4.3	Locations	15 hrs
1.4.4	Routes	30 hrs
1.4.5	PMs	30 hrs
1.4.6	Testing Round 1 - without Linear	80 hrs
<b>1.5</b>	<b>Work Order Display (Legend)</b>	<b>TBD hrs</b>
1.5.1	Differentiate display of point work orders by work order status.	TBD hrs
1.5.2	Differentiate display by work order type (i.e. Sub Work Type: Televised).	TBD hrs
1.5.3	Ability to turn on and off work order layers by status, sub work type.	TBD hrs
<b>1.6</b>	<b>Linear Work Order Configuration</b>	<b>TBD hrs</b>
1.6.1	Functional Requirements and signoff	TBD hrs
1.6.2	Develop backend (java) and GUI (Javascript) code to support	TBD hrs
1.6.3	Testing iteration with client on functionality	TBD hrs
1.6.4	Linear Asset Configuration in GIS	TBD hrs
1.6.5	Linear Asset Configuration in Maximo	TBD hrs
1.6.6	Testing Round 2 - with linear	TBD hrs
<b>1.7</b>	<b>Training</b>	<b>85 hrs</b>
1.7.1	Write Specifications	20 hrs
1.7.2	Update Training Material	20 hrs
1.7.3	Train-the-trainer for config/running of data sync software.	10 hrs

1.7.4	Train-the-trainer for map use in Maximo	10 hrs
1.7.5	Train up 2 MapEngine administrators.	25 hrs
<b>1.8</b>	<b>Project Management</b>	<b>60 hrs</b>
1.8.1	Weekly Status Meetings	20 hrs
1.8.2	Miscellaneous project meetings, discussions, planning	40 hrs
<b>1.9</b>	<b>Migration and Test</b>	<b>50 hrs</b>
<b>1.9.1</b>	<b>Maximo Integration Environment</b>	<b>25 hrs</b>
1.9.1.1	Maximo Integration environment installation	10 hrs
1.9.1.2	Issue Resolution	15 hrs
<b>1.9.2</b>	<b>Maximo Production Environment</b>	<b>25 hrs</b>
1.9.2.1	Maximo Production environment installation	10 hrs
1.9.2.2	Post-production Issue Resolution	15 hrs

**Cost for Services/Travel**

Line	Task/Category	Quantity / Hours	Cost (\$US)
1.	Service Hours	800	\$96,000
2.	Travel Costs	At Cost	\$15,000

\*Above prices do not include taxes, export/import fees, county/national/state/local licenses, or database/software licenses (database drivers, ODBC drivers, Oracle Spatial licenses, ArcSDE server/license fees, Google software/data licenses, etc.).



---

Meeting Date: November 28, 2012  
Commissioner Art De La Cruz  
Staff Contact: Rick Shean, Water Quality Hydrologist

**TITLE: R-12-13 F/S (2)- Authorizing an Agreement with the Kirtland Air Force Base for Protecting Albuquerque's Drinking Water and Contingency Plan Coordination**

**ACTION: Recommend Approval**

**SUMMARY:**

The Water Authority seeks authority from the Board to enter into an agreement with the U.S. Air Force (USAF) through Kirtland Air Force Base (KAFB) to coordinate contingency planning activities to be developed by a contractor to be hired by the U.S. Air Force. The Water Authority and KAFB have negotiated a Memorandum of Agreement to develop a water supply contingency plan in the event the contamination reaches the Water Authority's or KAFB's ground water wells. The contingency plan will be developed jointly, but paid for by KAFB/USAF. The contingency plan will also address the need to implement an early warning system that provides time to implement the water supply alternatives to ensure a continuous water supply. There are several alternatives that will be examined during the development of the contingency plan and those alternatives will be screened for many factors in order to select the preferred alternative for implementation.

We are requesting approval from the Water Authority Board authorizing the Executive Director to enter into the MOA with KAFB for the contingency plan. The contingency plan work will begin with execution of the agreement and will be complete early in 2013.

The Water Authority will be expending funds for the installation of a ground water monitoring well to begin the early warning system. The ground water monitoring well may be drilled by the USGS and will be initially paid for by the Water Authority. The cost may be reimbursed to the Water Authority if the monitoring well fits into the mutually agreed upon early warning system.

This resolution also requests that KAFB move up their final remedy in place schedule to no later than December 31, 2014.

Also, the Water Authority is seeking authority from the board to enter into an agreement with the U.S. Geological Service for activities related to the sighting and drilling of a monitoring well cluster or clusters near the Ridgecrest Well Field. The purpose of this

well is to provide an independent credible source to provide data, which will determine activities outlined in the contingency plan. The agreement authorized in this resolution does not have KAFB paying for the USGS activities. KAFB has indicated that they are not in a legal position to authorize payments for this activity based on current data. However, it is the Water Authority's view and recommendation that waiting is not prudent. Therefore, at this point the decision is to wait either for KAFB to find a positive sample and authorize this monitoring well or for the Water Authority to install it at its expense and seek to be reimbursed by KAFB later.

Commissioner Art De La Cruz sponsored this resolution.

**FISCAL IMPACT:**

It is estimated that the monitoring well will cost approximately \$120,000, which will be absorbed in the Water Authority's Capital Improvement Program.

# ALBUQUERQUE BERNALILLO COUNTY WATER UTILITY AUTHORITY

BILL NO. R-12-13 F/S (2)

1 **RESOLUTION**

2 **AUTHORIZING AN AGREEMENT WITH THE KIRTLAND AIR FORCE BASE FOR**  
3 **PROTECTING ALBUQUERQUE'S DRINKING WATER AND CONTIGENCY PLAN**  
4 **COORDINATION.**

5 WHEREAS, the Albuquerque Bernalillo County Water Utility Authority (Water  
6 Authority) was established to provide safe and sustainable water supply for the  
7 Albuquerque metropolitan area; and

8 WHEREAS, the Water Authority has worked diligently to conserve water usage  
9 and invested more than \$500 million in the San Juan-Chama Drinking Water Project to  
10 preserve and protect the aquifer and the regional water supply; and

11 WHEREAS, a former Kirtland Air Force Base (KAFB) bulk fuel facility leaked an  
12 estimated 24,000,000 gallons of aviation gas and jet fuel, creating what may be the  
13 largest spill of this type in the history of the United States (U.S.); and

14 WHEREAS, the jet fuel plume has and continues to migrate from the source and  
15 represents a significant threat to the downgradient municipal water supply wells; and

16 WHEREAS, a concentrated plume of aviation gas and jet fuel containing  
17 benzene, toluene, ethylbenzene, xylene, ethylene dibromide (EDB) and other organic  
18 compounds is dissolving into the groundwater and extends at least a mile from its  
19 source; and

20 WHEREAS, The U.S. Agency for Toxic Substances and Disease Registry  
21 characterizes Ethylene Dibromide (EDB) breakdown in ground water as "hardly at all";  
22 and

23 WHEREAS, the dissolved phase plume as represented by ethylene dibromide  
24 (EDB) may arrive at the Water Authority's Ridgcrest Well Number 5 within five years;  
25 and

26 WHEREAS, KAFB continues to investigate and is actively remediating the fuel  
27 spill in the vadose zone using soil vapor extraction technologies; and,

1 WHEREAS, KAFB has not proposed to contain or extract the dissolved phase  
2 plume; and

3 WHEREAS, the Water Authority, KAFB and the New Mexico Environment  
4 Department (NMED) have been working cooperatively and productively towards  
5 ensuring that the drinking water supply for the City of Albuquerque and Bernalillo  
6 County is safe for consumption; and

7 WHEREAS, the U.S. Air Force has pledged to fund contingency projects, in the  
8 event a Water Authority well or wells are impacted by the fuel plume; and

9 WHEREAS, the Water Authority and KAFB have executed an existing  
10 Memorandum of Agreement providing the Water Authority the provision to receive  
11 reimbursements for costs related to additional well sampling related to the KAFB Bulk  
12 Fuel Facility Spill; and

13 WHEREAS, the U. S. Geological Survey (USGS) is recognized as an  
14 independent agency with experts having broad knowledge and research experience  
15 with the geological and water resources of the Albuquerque Basin.

16 BE IT RESOLVED BY THE WATER AUTHORITY:

17 Section 1. Water Authority will enter into an agreement with KAFB to include  
18 activities related to monitoring, treatment technologies, contingency planning, and  
19 implementation in the event that a Water Authority production well or wells is affected by  
20 the KAFB Bulk Fuel Facility spill.

21 Section 2. Water Authority will work with KAFB, NMED and the USGS on the  
22 placement of additional monitoring wells, including sentinel wells within the wellhead  
23 protection areas, to assist with the projection of the dissolved phase plume towards the  
24 Water Utility's Ridgecrest Well Field and production zone.

25 Section 3. Water Authority will determine the cost of wellhead treatment, well  
26 replacement, and related infrastructure costs to be considered in the contingency and  
27 implementation plan.

28 Section 4. Water Authority will request KAFB to submit a work plan for an  
29 aggressive final remedy for cleanup of the spill in the vadose zone and the ground water  
30 for public review and NMED approval by December 31, 2013, to receive NMED's  
31 approval of the work plan by June 30, 2014, and installation and startup of the final  
32 remedy by December 31, 2014.

1           Section 5. The Executive Director is authorized to enter into an agreement  
2 (Exhibit A) with KAFB to provide funding by KAFB for costs related to contingency  
3 planning and implementation projects.

4           Section 6. The Executive Director is authorized to amend the existing Joint  
5 Funding Agreement with the USGS for water resources investigations to include  
6 activities related to sighting and drilling wells to augment the regional monitoring well  
7 network in the area of the Ridgecrest Well Field.

8  
9  
10  
11  
12  
13  
14  
15  
16  
17  
18

**MEMORANDUM OF AGREEMENT  
BETWEEN THE  
DEPARTMENT OF THE AIR FORCE, KIRTLAND AIR FORCE BASE  
AND THE  
ALBUQUERQUE BERNALILLO COUNTY WATER UTILITY AUTHORITY**

**1. PURPOSE**

This Memorandum of Agreement (MOA) sets forth the agreement between the United States Air Force, by and through Kirtland Air Force Base, hereinafter referred to as Kirtland AFB, and the Albuquerque Bernalillo County Water Utility Authority, hereinafter referred to as the Water Authority, for development of a water-supply contingency plan.

**2. AUTHORITY**

10 USC §§ 2701 et seq., Environmental Restoration;  
DoDI 4000.19, Inter-service and Intra-governmental Support (9 Aug 1995);  
Air Force Instruction 25-201, Support Agreement Procedures (1 May 2005, as amended);  
Air Force Instruction 32-7020, The Environmental Restoration Program (7 Feb 2001); and  
Air Force Policy Directive 25-2, Support Agreements (1 Nov 2001).

**3. SCOPE**

This MOA sets forth the general terms and conditions under which Kirtland AFB and the Water Authority (the Parties) will jointly support the development of a contingency plan(s) for maintaining the safety of drinking water supplies potentially placed at risk by groundwater contamination associated with the Kirtland Bulk Fuels site.

The Parties acknowledge that Kirtland AFB's participation will depend on the ability of the Air Force Civil Engineering Center (AFCEC) to award and administer an engineering services contract. The services contract statement of work used during contract acquisition will be jointly developed by AFCEC with the Water Authority with the goal of awarding a contract to a technically qualified engineering services firm that demonstrates experience with and understanding of Water Authority infrastructure by Jan 28, 2013 .

The contingency plan will be a contract deliverable and will include the following:

- a. Current water supply system characteristics and existing plans and procedures,
- b. Evaluation of new or alternative water supplies,
- c. Ranking of proposed alternative water supplies based on cost and feasibility. Feasibility of proposed alternative water supplies will be evaluated in the context of the recommended early warning system (i.e. trigger points), and hydrogeological modeling and EDB fate/transport predictions developed as part of Kirtland AFB's characterization of the bulk fuels plume,
- d. Implementation schedule for contingency actions based on the early warning system and trigger points

After Kirtland AFB and the Water Authority mutually agree upon its adequacy, the draft contingency plan shall be made available for public review and comment. The final plan may incorporate comments received from the public and other State and Federal agencies.

#### 4. ROLES AND RESPONSIBILITIES

##### a. WATER AUTHORITY

Under the terms of this MOA, the Water Authority will have the following roles and responsibilities:

- i. Participate in scoping activities leading to a contract for engineering services. Participation will focus on mutually agreed recommendations in conjunction with the Air Force for the contract scope of work, and ensuring that contract deliverables adequately incorporate both Air Force and Water Authority inputs.
- ii. Provide the contractor with access to Water Authority operational data relevant to the contract scope of work.
- iii. Assure that Kirtland Bulk Fuels site data and remedial action plans provided by the Air Force are not released to the public prior to public release by the Air Force.
- iv. Organize and hold public meetings related to development of the contingency plan.
- v. Coordinate with Kirtland AFB, USGS and contractor during the development of the draft and final contingency plans and provide timely review comments.
- vi. Review the contractor scope of work, draft and final contingency plan and provide comments to ensure that Water Authority concerns are adequately addressed.

##### b. KIRTLAND AFB

Under the terms of this MOA, Kirtland AFB will have the following roles and responsibilities:

- i. Participate in scoping activities leading to a contract for engineering services. Participation will focus on mutually agreed recommendations in conjunction with the Water Authority for the contract scope of work, and ensuring that contract deliverables adequately incorporate both Air Force and Water Authority inputs.
- ii. Acquire engineering services through an appropriate contract vehicle to support development of mutually agreed upon contingency plan(s).
- iii. Incorporate all mutually agreed upon comments provided by the Water Authority as the result of collaborative reviews of the contract statement of work .
- iv. Provide the Water Authority and contractor with access to Kirtland Bulk Fuels site data and remedial action plans relevant to the contract scope of work.
- v. Provide fate and transport model to the USGS for review and comment.

- vi. Require the contractor to ensure that proprietary Water Authority operational data used by the contractor is appropriately protected from disclosure to third parties.
- vii. Provide technical review and comments on contract deliverables and reports. Obtain Water Authority concurrence on the content of the deliverables and reports and incorporate mutually agreed upon Water Authority comments.
- viii. Participate in public meetings and provide technical review of public comments, recommendations and revisions of the contingency plan.

c. Coordination

In addition to email and other informal exchanges of information, regular progress and coordination meetings or teleconferences will be held, at least, on a monthly basis. Participation in progress/coordination meeting will include technical staffs of the Water Authority, Kirtland AFB, United States Geologic Service (USGS) and the contractor.

5. REIMBURSEMENT

The Water Authority will be reimbursed for expenditures related to water supply contingency planning described in this Memorandum of Agreement as mutually agreed upon by the Water Authority and Kirtland AFB. For example, the Water Authority may install a new ground water monitoring well in advance of the final early warning system that could be reimbursed if the location and type of the well can be utilized as part of the final agreed upon early warning system.

6. CONTINGENCY PLAN IMPLEMENTATION

It is anticipated that subsequent to the approval and adoption of this contingency plan, a separate MOA between the parties will be prepared to address plan implementation and identify response action implementation requirements.

7. LIABILITY

This MOA is not intended to and does not create any right, benefit or trust obligation, substantive or procedural, enforceable at law or in equity by any party against the United States, its departments, agencies, instrumentalities, or entities, its officers, employees, or agents, or any other person or against the Water Board. As between the parties in performance of this MOA, each party shall be responsible for liability arising from personal injury, loss or damage to person or property occasioned by its own actions or those of its agents or employees.

8. NOTIFICATION AND COORDINATION

The Kirtland AFB points of contact for water supply contingency planning shall be:

Primary:           Name, Title  
                          Organization  
                          Commercial phone



DSN phone  
FAX number  
Alternate: Name, Title  
Organization  
Commercial phone  
DSN phone  
FAX number

The Water Authority points of contact for water supply contingency planning shall be:

Primary: Name, Title  
Organization  
Commercial phone  
FAX number  
Email address  
Alternate: Name, Title  
Organization  
Commercial phone  
DSN phone  
Email address

#### 9. TERM AND EFFECTIVE DATE

This MOA shall remain in effect for a term of one (1) year beginning December 1, 2012 and ending November 30, 2013. Kirtland AFB and the Water Authority shall review the term of this MOA by September 30, 2013 to determine whether the MOA should be extended to facilitate completion of the contingency plan. If the term of the MOA is extended, it shall be reviewed by September 30 of each subsequent year and extended upon written supplement to this agreement approved by both parties.

SIGNATURES ON FOLLOWING PAGES

IN WITNESS WHEREOF, I have hereunto signed this Memorandum of Agreement this \_\_\_\_\_ day of \_\_\_\_\_, 2012.

---

MARK S. SANCHEZ  
Executive Director, Albuquerque Bernalillo County  
Water Utility Authority

IN WITNESS WHEREOF, I have hereunto signed this Memorandum of Agreement this \_\_\_\_\_ day of \_\_\_\_\_, 2012.

---

JOHN C. KUBINEC, Colonel, USAF  
Commander

Meeting Date: November 28, 2012  
Contact: Councilor Rey Garduño  
Staff Contact: Rick Shean, Water Quality Hydrologist

**TITLE: R-12-14 – Protecting Albuquerque’s Water Supply**

**ACTION: Final Action**

**SUMMARY:**

The Resolution directs Water Authority staff to enter into negotiations with KAFB for an agreement that will save Albuquerque’s drinking water resource. The agreement shall include requirements for KAFB to place groundwater monitoring equipment as close as possible to the Ridgecrest municipal wells. The agreement should include the requirement for KAFB to begin the investigation for technologies and installation of water treatment facilities for the wells including financial assurance and to halt the further movement of the liquid LNAPL jet fuel and to plan for and implement remediation technology to address the long-term contamination of soils and the aquifer.

Discussions are ongoing with KAFB and no formal agreement has been negotiated to date. However, KAFB and the Water Authority staff have begun the discussions on an agreement outlining a contingency plan.

Councilor Rey Garduño sponsored this Resolution.

**FISCAL IMPACT:**

None

# ALBUQUERQUE BERNALILLO COUNTY WATER UTILITY AUTHORITY

**BILL NO.**         R-12-14    

**RESOLUTION**

**PROTECTING ALBUQUERQUE’S DRINKING WATER.**

WHEREAS, Albuquerque has the largest underground contamination threatening any city’s drinking water aquifer in the history of the U.S., now estimated at 24,000,000 gallons, more than twice the Exxon-Valdez spill; and

WHEREAS, the Kirtland Air Force Base, New Mexico Environment Department, and other experts do not deny that a dissolved plume of the toxic chemical contamination from Ethylene Dibromide (EDB) may arrive at the Albuquerque Bernalillo County Water Utility Authority’s five Ridgecrest well number 5 within five years; and

WHEREAS, The Agency for Toxic Substances and Disease Registry characterizes Ethylene Dibromide (EDB) breakdown in ground water as “hardly at all”; and

WHEREAS, a liquid plume of jet fuel (LNAPL) containing Benzene, Toluene, Ethylbenzene, Xylene and other toxic components is dissolving into groundwater and extends to a mile long and a half mile wide; and

WHEREAS, Soil Vapor Extraction technology cannot remove the LNAPL to keep it from moving further toward Albuquerque’s municipal drinking water wells; and

WHEREAS, although the Air Force recognized the spill in 1997, there is still only poor understanding of the size, depth and rate of the expansion of the plume of contamination; and

WHEREAS, there is no approved containment plan, no remediation plan, or ongoing effort to remove the liquid portion of the jet fuel (LNAPL) and the dissolved plume of EDB from Albuquerque’s drinking water aquifer; and

WHEREAS, the full size of the dissolved EDB plume is unknown and there are no monitoring wells close to the city wells; and

WHEREAS, The City of Albuquerque and Bernalillo County joint Water Utility Authority is the only governmental entity that can demand that the Air Force take action

1 to implement treatment technology to save the City's highly productive Ridgecrest and  
2 other drinking water wells from the dissolved EDB plume:

3 BE IT RESOLVED BY THE WATER AUTHORITY:

4 Section 1. That in order to protect the public health and environment, the City  
5 of Albuquerque and Bernalillo County through its Water Utility Authority act immediately  
6 to enter into negotiations with the Air Force for emergency measures:

7 A. To save Albuquerque's drinking water resource;

8 B. To place groundwater monitoring as close as possible to the Ridgecrest  
9 municipal wells;

10 C. To begin the investigation for technologies and installation of water treatment  
11 facilities for the wells including financial assurance;

12 D. To halt the further movement of the liquid LNAPL jet fuel;

13 E. To plan for and implement remediation technology to address the long-term  
14 contamination of soils and the aquifer.

15  
16  
17  
18  
19  
20  
21  
22  
23  
24  
25  
26  
27  
28  
29  
30  
31

---

Meeting Date: November 28, 2012  
Staff Contact: Frank Roth, Senior Policy Manager

**TITLE: R-12-15 - Authorizing and Approving Submission of a Completed Application for Financial Assistance and Project Approval to the New Mexico Finance Authority for the Carnuel Water Systems Improvement Project**

**ACTION: Recommend Approval**

**SUMMARY:**

This resolution authorizes the Water Authority to submit an application for financial assistance and project approval for approximately \$2 million to the New Mexico Finance Authority (NMFA) for the Carnuel Water System Improvements project. This funding would construct waterlines to the Phase 3a project area which is in the defined High Priority area. If the project and funding are approved by the NMFA, the would be ready to bid and could be completed in approximately nine months.

The community of Carnuel currently obtains their water from private wells and disposal through septic systems and is in urgent need of a central public water and wastewater system. In addition, the Carnuel community's private wells are shallow and often co-exist in the same areas with poorly functioning, aging septic systems which have led to nitrate contamination in many of the wells. Moreover, the Carnuel community has seen a serious decline in the quality of water coming from private wells and in some areas it does not meet the mandates of the Safe Drinking Water Act.

In November 2008, the Water Authority and the Carnuel Mutual Domestic Water Consumer Association entered into an agreement for the Water Authority to act as fiscal agent and extend water infrastructure using federal and state grants and loans.

The extension of the water system to the Carnuel community is a eight-phase project which will connect about 800 existing households. Phase 1 of the project, which extends service from an existing Water Authority reservoir to the High Priority area, was completed in November 2010, connecting forty households. Phase 2, which includes a 387,000 gallon water tank, is currently proceeding through the design process and will be ready to bid in early 2013. The water tank will provide water storage capacity, fire flow protection, and redundancy to the project area. Phase 3a continues to extend water distribution lines though the High Priority area. The funding request to the Water Trust Board to plan and design Phase 3b is still pending with the Water Trust Board.

The Water Authority will own and operate the system. Residents who connect to the system will pay Water Authority Ordinance rates and fees. System expansion is guided by



the Bernalillo County Tijeras Canyon/Carnuel Plan which identifies priority areas for water and wastewater service.

**FISCAL IMPACT:**

Total project cost is estimated to be \$2,047,500. It is anticipated that the Water Authority will be required to provide a 25% local match or \$511,875. The Water Authority would have to find the local match from another government source because of its no net expense policy. Bernalillo County may be able to provide the match which would require a funding agreement approved by both governing bodies.



1           Section 2. That the completed Application submitted to the Governing Body be  
2 hereby approved and confirmed.

3           Section 3. That the officers and employees of the Governing Body are hereby  
4 directed and requested to submit the completed Application to the Authority for its  
5 review and are further authorized to take such other action as may be requested by the  
6 Authority in its consideration and review of the Application and to further proceed with  
7 arrangements for financing the Project.

8           Section 4. All acts and resolutions in conflict with this resolution are hereby  
9 rescinded, annulled, and repealed.

10          Section 5. This resolution shall take effect immediately upon its adoption.

11  
12  
13  
14  
15  
16  
17  
18  
19  
20  
21  
22  
23  
24

---

Meeting Date: November 28, 2012  
Staff Contact: John Stomp, Chief Operating Officer

**TITLE: R-12-16 – Authorizing the Water Authority to Submit an Application for WaterSMART Grant Financial Assistance for the Southside Municipal Effluent Reuse Project**

**ACTION: Recommend Approval**

**SUMMARY:**

The Water Authority is seeking WaterSMART grant funding assistance for its Southside Municipal Effluent Reuse Project. The project will recycle treated wastewater from the Southside Water Reclamation Plant to irrigate approximately 700 acres of turf at 28 schools, parks, and other recreational areas in the southern part of Albuquerque thereby avoiding the use of high-quality drinking water on public landscapes. The project will save about 2,500 acre-feet of water annually, equal to the annual amount of water used by about 7,500 homes. The Water Authority desires utilizing the remaining ceiling amount of \$1,885,406 from Title XVI funding and approval of this funding request will bring the authorized Title XVI “Water Reclamation Projects” to completion. The project became operational in June 2012. This funding would be used for reimbursement of completed construction.

**FISCAL IMPACT:**

The Water Authority will be providing a 75% match with its contribution at \$5.6 million. The Water Authority’s share has already been appropriated from the capital program.



1 PASSED AND ADOPTED THIS 28th DAY OF November, 2012  
2 BY A VOTE OF: \_\_\_\_\_ FOR \_\_\_\_\_ AGAINST.

3  
4  
5  
6  
7  
8  
9  
10  
11  
12  
13  
14  
15  
16  
17  
18  
19  
20  
21  
22  
23  
24  
25  
26  
27

Yes:  
No:  
Excused:

\_\_\_\_\_  
Ken Sanchez, Chair

ATTEST:  
\_\_\_\_\_  
Mark S. Sanchez, Executive Director

---

Meeting Date: November 28, 2012  
Staff Contact: Mark S. Sanchez, Executive Director

**TITLE: C-12-28 – 2013 Federal Legislative Priorities**

**ACTION: Recommend Approval**

**SUMMARY:**

The 2013 Federal Legislative Priorities for the Water Authority are summarized below. The Legislative Priorities are consistent with the prior year requests with modifications to reflect funding and updated status reports. The requests are divided into two sections, appropriation and/or authorization requests, and status reports.

**Appropriation/Authorization Requests**

**1. Water Reclamation and Recycling Authorization**

The Water Authority is requesting the following provision be enacted by Congress:

- (A) *Authorization* – The Secretary, in cooperation with the Water Authority is authorized to participate in the planning, design and construction of facilities up to \$20,000,000 as federal share to reclaim and reuse wastewater and naturally impaired ground and surface water in the Albuquerque metropolitan area.
- (B) *Cost Share* – The federal share of the cost of a project in subsection (a) shall not exceed twenty-five percent of the total cost.
- (C) *Limitation* – The Secretary shall not provide funds for operation of maintenance of the facilities described in subsection (a).

The above authorization is critical for the Water Authority to move forward on two important sustainability projects that will provide reuse of wastewater for irrigation and industrial use on the Westside, southeast heights, and Mesa del Sol developments. With the new Title XVI, the Water Authority is requesting \$500,000 to initiate the feasibility and NEPA analysis for the Westside and Tijeras Arroyo facilities.

- A. *Tijeras Reuse Project*. The Water Authority has been evaluating reuse and recycling opportunities on the southeast portion of the Water Authority's service area that would provide non-potable reuse water for irrigation and industrial uses in that area. The facility will be located near the Tijeras Arroyo and would treat domestic wastewater from Albuquerque's eastside to high reuse or potentially potable drinking water standards that could then be reused or reclaimed for use by Sandia, Kirtland and other irrigation and industrial uses in the southeast heights of Albuquerque.

- B. Bosque Reuse Project. The Water Authority has been evaluating reuse and recycling opportunities on the Westside of the Water Authority's service area that would provide non-potable reuse water for irrigation and industrial uses in that area. The facility will may be located near Montano Road at the Rio Grande and would provide an excellent location for discharge of treated effluent into the river to assist in keeping the Albuquerque stretch of the river wet for endangered species habitat. The facility could treat up to 15 million gallons a day for reuse, aquifer storage and recovery and discharge to the river.

## 2. Water Reclamation Projects

The Water Authority has received a total of \$20,413,000 in appropriations under the Title XVI program since 1998. The following projects have been completed or in the planning stages with federal funding assistance:

(A) Industrial Effluent Reuse Project

Status: Complete and operational since 2000

Cost: \$6 million

(B) Non-Potable Surface Water Reclamation Project

Status: Complete and operational in 2003

Cost: \$32 million

(C) Southside Municipal Effluent Reuse Project

Status: Construction started December 2009, operation to start spring 2012

Cost: Estimated at \$26 million

(D) Arsenic Pilot Demonstration Project

Status: Complete and operational since June 2007

Cost: \$6.5 million

(E) Eastside and Westside Arsenic Treatment Projects

Status: Preliminary Planning and Permitting Stages

Cost: Each facility estimated at \$10 million

The Water Authority is requesting \$1.8 million to provide the full construction funding for the Southside Municipal Effluent Polishing and Reuse and to finalize the feasibility and NEPA for the new Eastside Arsenic Treatment Project.

## 3. Carnuel Water Systems Improvement Project

As fiscal agent on behalf of Carnuel, the Water Authority has applied for USDA Rural Development construction funding for Phase 3a of the Carnuel Water Project. Phase 3a which is ready-to-bid will extend water distribution lines east of Phase 1 in the high priority area, which is the most contaminated area. The Carnuel area is faced with continuing problems of water quality degradation due to failing septic systems, and poor soil conditions and topography. This project will provide clean, reliable drinking water and fire protection to Carnuel residents. The Water Authority is requesting that the USDA national office issue an "unnumbered letter" in order for the Water Authority to receive a loan/grant combination on behalf of Carnuel as well as the authorization to construct, operate, and own the assets and be responsible for paying off the any loan component.



#### **4. Support Appropriations for Kirtland AFB's Bulk Fuel Facility Spill Corrective Action**

The Water Authority supports any efforts by the U.S. Air Force to allocate funding for additional investigation and remediation activities at the KAFB Bulk Fuel Facility Spill site, being performed by KAFB to come into conformance to their RCRA permit. In addition, the Water Authority supports any efforts by the U.S. Air Force to acquire funding for development and implementation of a Contingency Plan to ensure that the Water Authority's public water supply is protected in the event any of the production wells are impacted by the KAFB fuel spill. The Water Authority and KAFB are coordinating on a Memorandum of Agreement (MOA) on the development of a contingency plan.

The Water Authority would like KAFB and their contractor to provide the Water Authority with all of the deliverables to the New Mexico Environment Department (NMED) on the same schedule it is provided to the NMED.

The Water Authority should be part of the decision making process with regards to the remediation efforts as our ground water wells and the condition of the aquifer is critical to the water supply for the citizens of Albuquerque. The Water Authority supports an aggressive remediation strategy, including cleanup of the subsurface soil, the floating fuel product on the water table and the dissolved phase plume below the source and in the down gradient direction of the plume, in order to return the aquifer back to "pre-spill" conditions. Our goal would be that the final remedy be in-place and operational no later than December 31, 2014.

#### **5. Support Appropriations for the Sandia National Laboratory's Environmental Restoration Activities and the Mixed Waste Landfill**

The Water Authority supports the U. S. Department of Energy's and National Nuclear Security Administration's (DOE-NNSA) FY2013 Congressional Budget proposal for \$5 million for environmental restoration activities at the Sandia National Laboratories (SNL). The Water Authority maintains a status of groundwater protection and monitoring activities at the lab's former operational areas, including the Mixed Waste Landfill, which is one of the solid waste management units covered under SNL's Resource Conservation and Recovery Act (RCRA) permit. The Water Authority wants to ensure that the increased budget is approved as part of the final FY2013 budget, and that sufficient funding for long-term monitoring and maintenance of the mixed Waste Landfill is pursued by the DOE-NNSA.

### **Status Reports**

#### **1. Endangered Species Act Collaborative Program**

The ESA Workgroup has been actively engaged for many years and is undergoing numerous changes in anticipation of the new Biological Opinion for the Program that is to be complete by early 2013. The program is moving in a new direction as supplemental water supplies are dwindling and a potential new Biological Opinion (BO) will be necessary. The Water Authority is working with the federal and non-federal entities to define the activities to be covered in the new BO and will support the program changing to a Recovery Implementation Program (RIP) similar to the San

Juan River RIP. The Water Authority is a member of the Executive Committee and participates on many of the activities and committees for the program.

The Water Authority is requesting the delegation support continued funding for the program and future authorizing legislation for the RIP. The RIP is in need of authorizing legislation to continue the funding and work that has been accomplished over the last several years. The Water Authority is also requesting support for the potential need to codify a new Biological Opinion to protect the users in the event of litigation.

## **2. San Juan-Chama and Native Storage in Abiquiu**

The Water Authority has a contract with the Corps for storage of up to 170,900 acre-feet of San Juan-Chama water in Abiquiu reservoir. The Water Authority has the agreements necessary to store native and San Juan-Chama water up to elevation 6220 MSL as contemplated in the authorizing legislation for water supply storage in Abiquiu. The Water Authority has been meeting with the Corps in developing a plan for native water storage in addition to procedures for suballoting space for storage by others including the City of Santa Fe, Rio Chama Acequia Association, and the Bureau.

The Water Authority believes that native water storage in Abiquiu for the Water Authority and the other water entities in the basin are critically important for the future success of Compact Compliance and ESA Collaborative Program.

The Water Authority is diligently working towards obtaining the necessary permits and permanent easements and has requested a modification to our existing storage contract. Upon completion of easement acquisition, the Water Authority will need federal authorization to increase storage in Abiquiu.

---

Meeting Date: November 28, 2012  
Staff Contact: Mark S. Sanchez, Executive Director

**TITLE: C-12-29 – 2013 State Legislative Priorities**

**ACTION: Recommend Approval**

**SUMMARY:**

The Water Authority has six recommended State Legislative Priorities for 2013 Session.

**1. Bosque Non-potable Water Reclamation Plant and Reuse System**

To ensure a safe and sustainable water supply into the future, the Water Authority has planned the development of the Bosque Non-potable Water Reclamation Plant and Reuse system on the Westside of Albuquerque. The project will provide non-potable water for industrial purposes and irrigation needs to parks, schools, and golf courses. In addition, the Bosque Non-potable Water Reclamation Plant will discharge water to the Rio Grande during the non-irrigation season with additional opportunities for aquifer storage and recovery along the Calabacillas arroyo. The project will provide non-potable water to Intel, Mariposa Regional Park, Bosque School, Ladera and Desert Greens golf courses, and other schools and athletic facilities. By providing non-potable water for irrigation and industrial needs, the project will help preserve and protect the aquifer. During the non-irrigation season, non-potable water will be discharged into the Rio Grande for environmental purposes with opportunities to utilize the water for aquifer storage and recovery.

The Water Authority is seeking \$750,000 in state funding to complete the necessary environmental studies and permitting for the project. The environmental studies will include NEPA and NPDES permitting for discharge to the Rio Grande during non-irrigation season. The Water Authority is working with the federal delegation to obtain an authorization for federal funding under the Title XVI program, which would provide up to 25% of the total funding for reuse and reclamation projects.

**2. Regulatory Authority to Enforce Compliance with Environmental Protection Act NPDES Permit**

Under the federal Clean Water Act under the National Pollutant Discharge Eliminate System (NPDES) permit, the Water Authority's new permit requires enforcement of criminal fines and penalties against individuals or entities for unauthorized discharges into the sewer collection system. This requirement is due to the EPA goal to reduce Sanitary Sewer Overflow's (SSO's) and eliminate violations due to releases of contaminants that could affect the Rio Grande. The Water Authority is requesting a minor change in the municipal code to allow enforcement powers to meet the new EPA requirement.

### **3. State Legislative Support for Water Authority Participation in Decision Making - KAFB Bulk Fuels Facility Spill**

Support for the Science, Technology, and Telecommunications Interim Committee's call on the Kirtland Air Force Base to provide the Water Authority with a decision-making role in the corrective action activities occurring for the former bulk fuel facility spill. The spill has or will significantly affect the aquifer near the existing Ridgecrest well field and could affect a significant portion of other wells if the contamination continues to move. The Water Authority's contingency plan and operational response to the potential contamination of a production well or wells, requires participation in the decision-making regarding the final remediation strategy, to ensure the appropriate level and aggressiveness of cleanup is taken to provide the Water Authority with an appropriate amount of time to respond and plan a potentially long-term alternative water supply for its customers. In this spirit, the Water Authority also needs to be fully involved in the contingency plan selection to ensure that all of the Water Authority's needs are incorporated into the final contingency plans being funded by the U.S. Air Force.

### **4. Aquifer Storage & Recovery**

The Water Authority is seeking funding to continue the Aquifer Storage and Recovery program. The program was developed following the legislative approval of the Ground Water Storage and Recovery Act in 1999. The funding would allow for construction of injection wells adjacent to the Water Authority's surface water treatment plant. ASR is a critical component of the Water Authority's Water Resources Management Strategy to provide a safe and sustainable water supply.

### **5. Carnuel Water Systems Improvements Project**

The Water Authority submitted an application to the Water Trust Board (WTB) in 2011 to fund the design for Phase 3b water system improvements in the amount of \$222,500. However, the WTB denied the Water Authority's request even though the project was the second highest score for projects in the Water Storage, Conveyance, and Delivery category. Consequently, the Water Authority believes that the WTB violated its own policies and acted arbitrarily and capriciously in its decision not to fund the Phase 3b project, which would extend water distribution lines east of Phase 1 in the high priority area, which is the most contaminated area. The Carnuel area is faced with continuing problems of water quality degradation due to failing septic systems, and poor soil conditions and topography. This project will provide clean, reliable drinking water and fire protection to Carnuel residents. The Water Authority is requesting \$222,500 in state funding to continue this project as there appears to be a bias from the WTB for applicants in Bernalillo County.

### **6. Water Planning**

The Water Authority supports the Mid-Region Council of Government's request that the State Legislature pass a recurring budget of \$400,000 for the Interstate Stream Commission (ISC) to update four regional water plans each year. A number of changes have occurred since the regional plans were accepted by the ISC such as new regulatory requirements, new hydrologic studies, and water supply affects from drought and climate variability. It is important to update the regional water plans and

strategies to ensure adequate water supply for the state's citizens. The Water Authority's service area is within the Middle Rio Grande Regional Water Plan, which was accepted by the ISC in 2004.

---

Meeting Date: November 28, 2012  
Staff Contact: Rick Shean, Water Quality Hydrologist

**TITLE: Presentation on the Status of U.S. Dept. of Energy's Sandia National Laboratory Environmental Restoration Activities**

**SUMMARY:**

The U.S. Department of Energy's Sandia National Laboratories' (SNL) Environmental Restorations (ER) Operations have successfully closed 278 of 314 ER sites through regulatory oversight by the New Mexico Environment Department (NMED). Thirty-Six ER sites are being addressed and that SNL is in complete compliance with the NMED Compliance Order on Consent for ER Operations issued the department in 2004. There are seven ground water projects at SNL, including the Groundwater Protection Program, the Mixed Waste Landfill, the Chemical Waste Landfill, the Burn Site, Tijeras Arroyo Site, Technical Area V (5), and miscellaneous solid waste management units. The Mixed Waste Landfill, which contains tritium among other contaminants of concern, has four groundwater monitoring wells that are sampled semiannually and that no analytes of concern have been found above regulatory standards. Completion of the ER activities at SNL is scheduled for 2020.

David Miller of Sandia National Labs will make a presentation on SNL's environmental restoration activities.

**FISCAL IMPACT:**

None

# Sandia National Laboratories' Environmental Restoration & Groundwater Protection Programs

Presented to:  
Albuquerque Bernalillo County  
Water Utility Authority

Presented by:  
David R. Miller  
Department Manager  
Environmental Safety and Testing  
Sandia National Laboratories



**SAND2012-7507C.** Sandia National Laboratories is a multi-program laboratory managed and operated by Sandia Corporation, a wholly owned subsidiary of Lockheed Martin Corporation, for the U.S. Department of Energy's National Nuclear Security Administration under contract DE-AC04-94AL85000



# Overview of Sandia Environmental Restoration (ER) Operations

---

- Mission: identify, characterize & remediate sites where hazardous &/or radioactive materials have been released
- Program was initiated in 1989
- Scope: 314 legacy release sites or ER sites
- Successfully closed 279 of 314 ER sites through the New Mexico Environment Department (NMED) regulatory process
- ER Operations addressing the remaining 35 ER sites
- DOE and Sandia Corporation are in compliance with the SNL Compliance Order on Consent as well as Federal and State requirements





## Remaining 35 ER Sites

---

- 23 sites in “Corrective Action Complete” regulatory process
- 3 active mission sites with deferred corrective action
- 1 Mixed Waste Landfill
- 5 soil sites undergoing groundwater (GW) investigations
- 3 GW sites: Burn Site, Tijeras Arroyo & TA-V

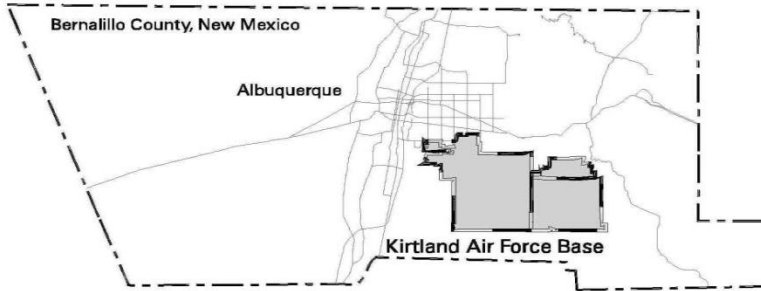


# 23 ER Sites in Corrective Action Complete Regulatory Process

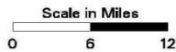
---

- Old septic systems, drain fields & surface testing areas
- Characterization and remediation has been completed
- Submitted to NMED for approval of Corrective Action Complete
  - Public comment /review period ended November 2012
  - Any unresolved comments will be included within SNL RCRA Permit hearing, if one is scheduled
- 3 active mission test facilities where corrective action is planned after the facilities are no longer operational

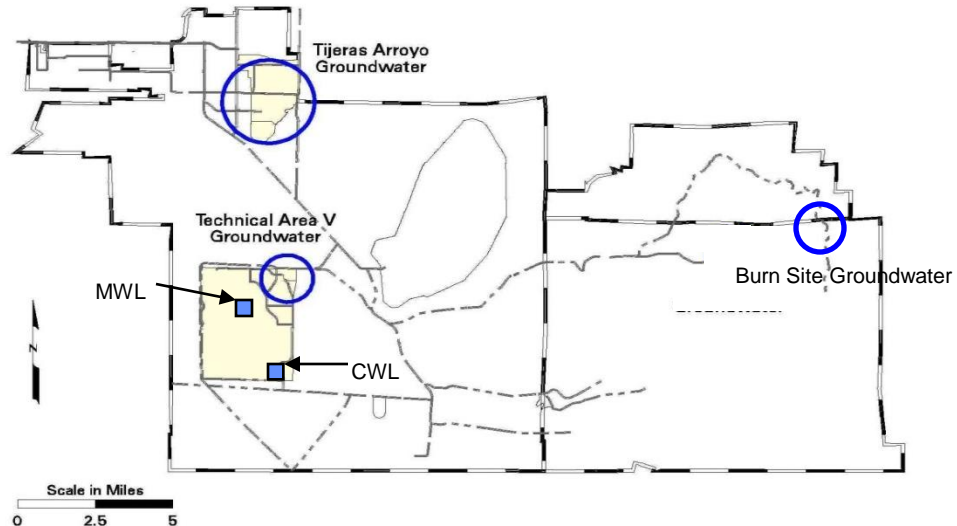
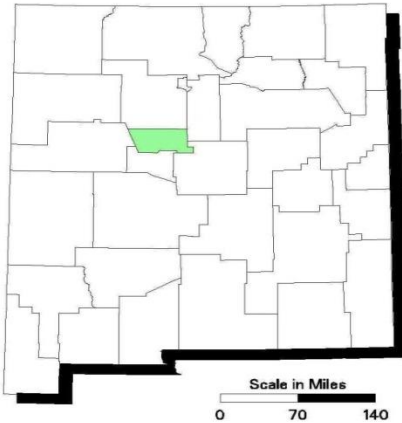
# Location of SNL Groundwater Projects



Sandia National Laboratories  
New Mexico  
Groundwater Investigations



Bernalillo County, New Mexico

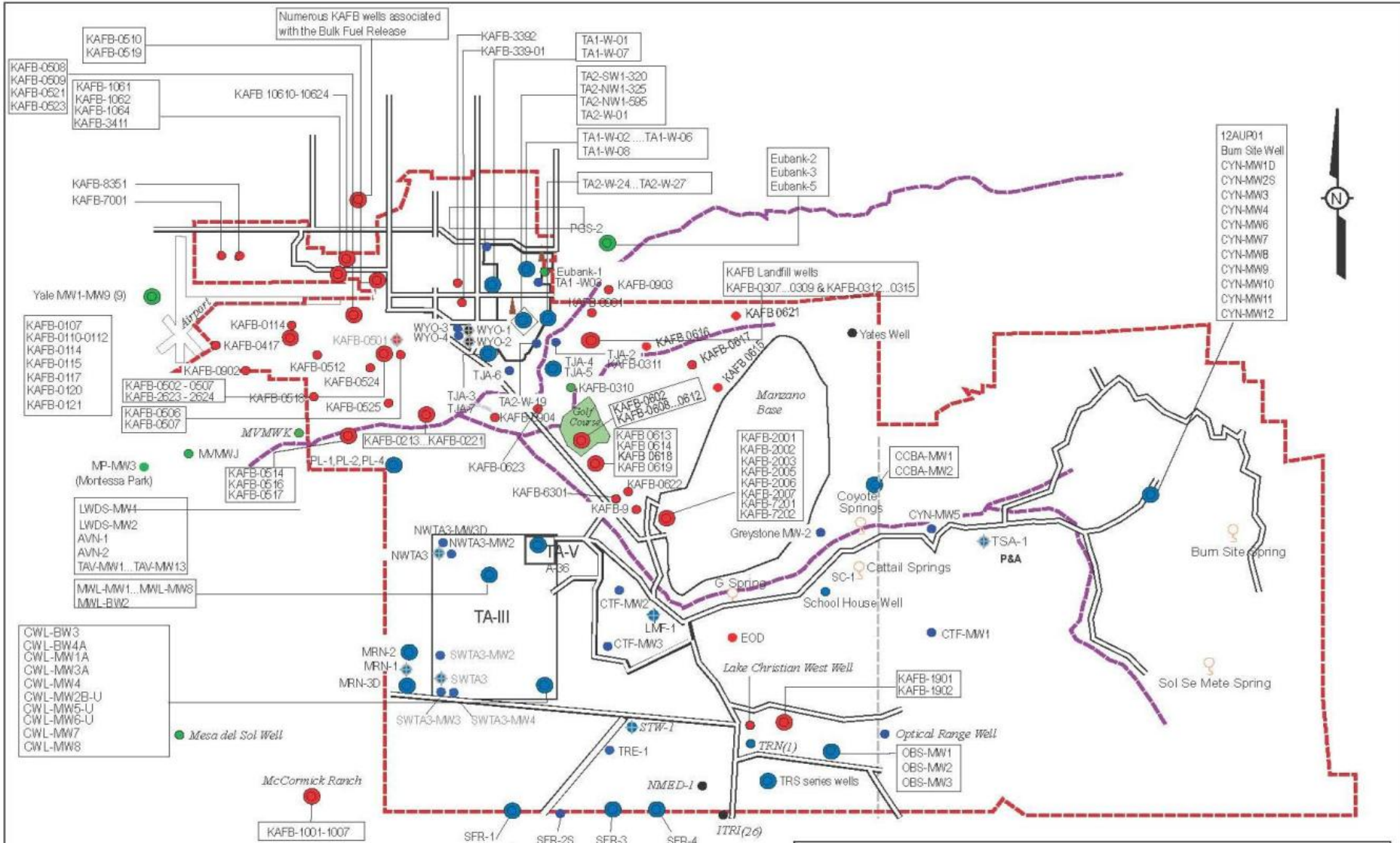




## General Groundwater Conditions at SNL

---

- Groundwater in two regimes, basin-fill aquifer & bedrock aquifer
- Depths to groundwater is 100 ft (bedrock) to 550 ft (basin fill)
- Perched groundwater system near Tijeras Arroyo (~300 ft deep)
- Natural flow from the mountains to the Rio Grande
- Water-supply wells are located in the northern part of KAFB
- Current GW flow NW toward KAFB & ABCWUA production wells
- Water table falling 1 to 2 ft/yr due to pumping, except for wells in the far north that are currently showing an increase
- Minimal recharge from rain--except in mountains & along channels
- Slow flow rates (few ft/yr to 10's of ft/yr), except on the west side of KAFB (100's ft/yr)



- 12AUP01
- Bum Site Well
- CYN-MW1D
- CYN-MW2S
- CYN-MW3
- CYN-MW4
- CYN-MW6
- CYN-MW7
- CYN-MW8
- CYN-MW9
- CYN-MW10
- CYN-MW11
- CYN-MW12

- KAFB-0107
- KAFB-0110-0112
- KAFB-0114
- KAFB-0115
- KAFB-0117
- KAFB-0120
- KAFB-0121

- MP-MW3 (Montessa Park)
- LWDS-MW4
- LWDS-MW2
- AVN-1
- AVN-2
- TAV-MW1...TAV-MW13
- MWL-MW1...MWL-MW8
- MWL-BW2

- CWL-BW3
- CWL-BW4A
- CWL-MW1A
- CWL-MW3A
- CWL-MW4
- CWL-MW2B-U
- CWL-MW5-U
- CWL-MW6-U
- CWL-MW7
- CWL-MW8

Mesa del Sol Well

McCormick Ranch

KAFB-1001-1007

SFR-1 series wells

SFR-2S

SFR-3 series wells

SFR-4 series wells

ITRI(2e)

Hubbell Springs

**LEGEND**

- Monitoring well
- ⊙ Monitoring well network (multiple wells in area)
- ⊛ Plugged and abandoned well
- Kirtland AFB wells
- Sandia National Laboratories wells
- City of Albuquerque wells
- Other
- Arroyo
- Road
- ♀ Spring
- ▲ Meteorological Tower
- - - KAFB boundary

Not to Scale

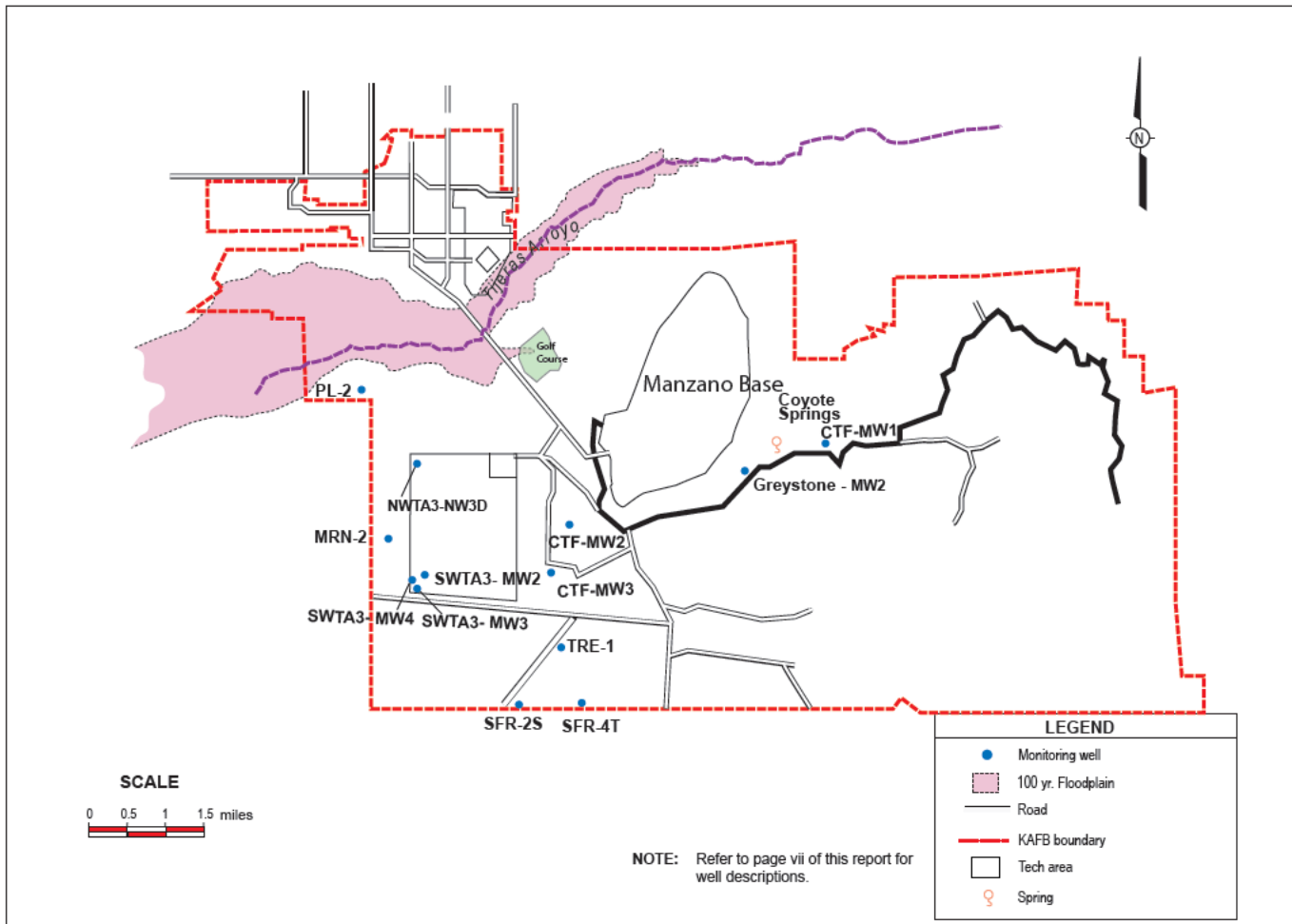


# Groundwater Protection Program

---

- Protect GW resources at SNL & surrounding area.
- Determine impact, if any, of operations on quality/quantity of GW
- Establish baseline water quality and GW flow information
- Provide stakeholders an update of GW data for SNL investigations through the publication of an *Annual Groundwater Monitoring Report*

# Groundwater Protection Program





## Chemical Waste Landfill

---

- 1.9 acre landfill, operational from 1962 to 1981
- TCE discovered (1990) in GW prompted remediation via soil-vapor extraction and excavation of contaminated soils & debris
- Regulated under a Post-Closure Care Permit
- 5 soil-vapor monitoring wells sampled annually
- 4 GW monitoring wells sampled semiannually, no analytes above regulatory standards



← N





## Mixed Waste Landfill

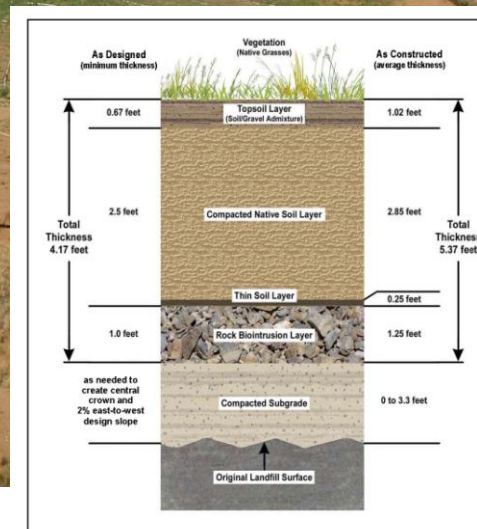
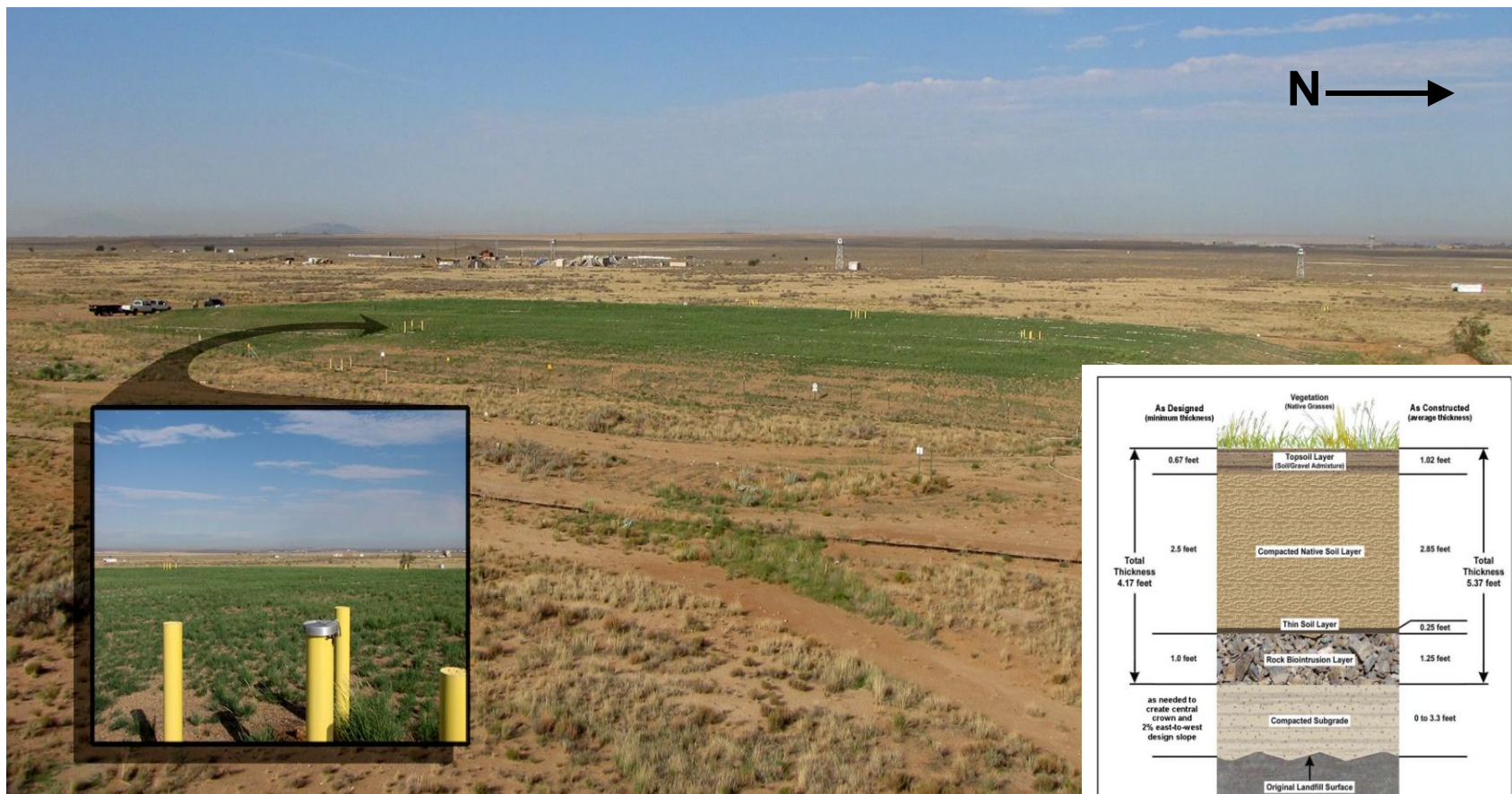
---

- 2.6 acre landfill, operational 1959 to 1988
- GW monitoring & field investigations began 1990
- Public Hearing on remedy in 2004
- NMED issued Final Order in 2005; selecting evapotranspirative cover w/ bio-intrusion barrier as remedy (constructed in 2009)
- 7 groundwater monitoring wells sampled annually
- No analytes above regulatory standards
- Long Term Maintenance & Monitoring undergoing public review (comment period to ~Nov. 2012)





# Mixed Waste Landfill





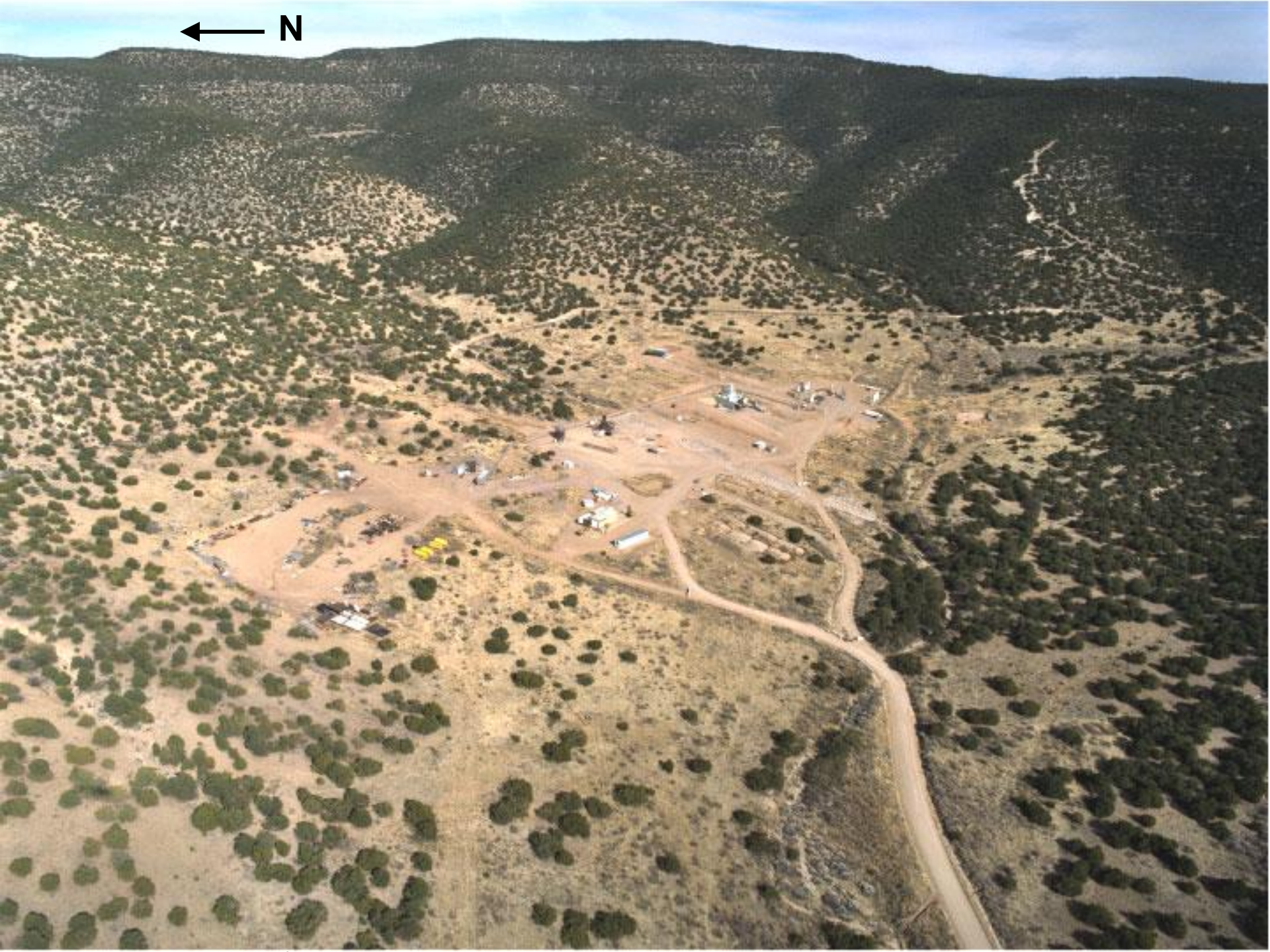
# Burn Site Groundwater

---

- GW monitored since 1996
- GW occurs at ~100 to 200 ft deep in fractured bedrock
- Currently monitoring 10 wells
- Nitrates (6 wells) and perchlorate (1 well)
  - Nitrate: 0 to 37 ppm (std. = 10 ppm)
  - Perchlorate: 0 to 9 ppb (no std. established)
- Small plume 9 mi. away from drinking-water supplies
- Tentative source—suspected wide-spread non-point source from use of high explosives, with a possible contribution from natural nitrate sources
  
- Corrective Measures Evaluation Report: FY13



← N





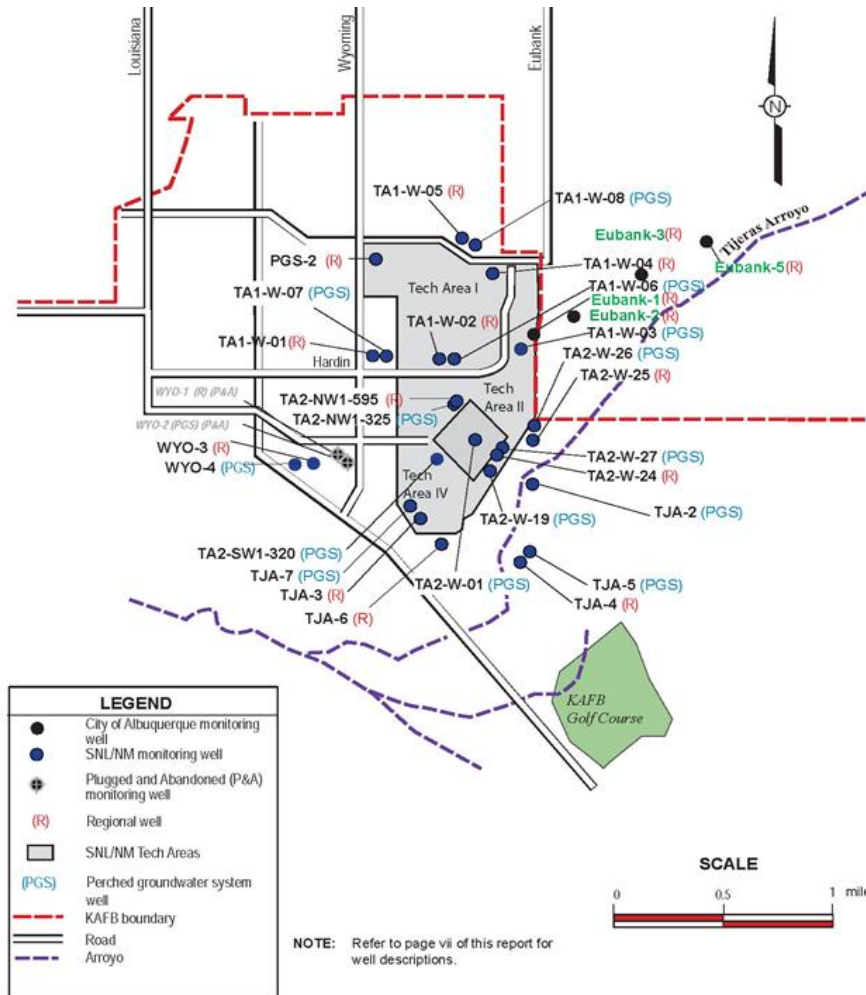
# Tijeras Arroyo Groundwater

---

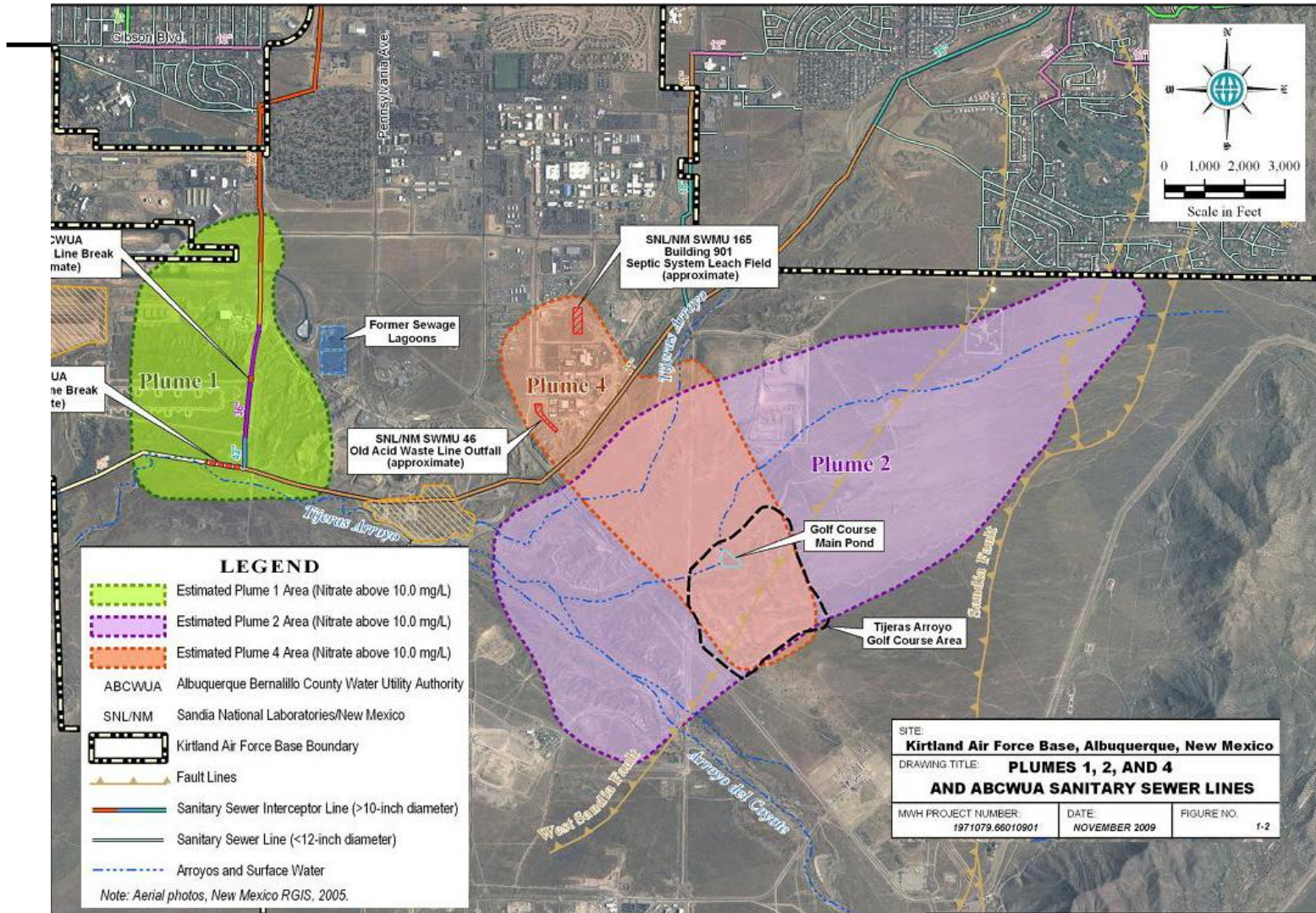
- GW monitored since 1992
- GW occurs at ~300 ft in a perched aquifer & 500 ft in the regional aquifer in unconsolidated sediments
- Large area--covers forty mi<sup>2</sup>, DOE/SNL responsible for less than 2 mi<sup>2</sup> of the total & limited to the perched aquifer (no production wells in perched system)
- Contaminated with nitrate (5 wells) & TCE (1 well)
  - Nitrate: 0 to 33 ppm (std. = 10 ppm)
  - TCE: 0 to 9 ppb (std. = 5 ppb)
- Suspected sources include former & active waste-water systems owned or operated by DOE/SNL, KAFB and ABCWUA
  
- Corrective Measures Evaluation Report: FY14



# Tijeras Arroyo Groundwater Well Locations



# Boundary of Nitrate Plume 4 in Perched Aquifer (orange), Tijeras Arroyo GW above 10 ppm



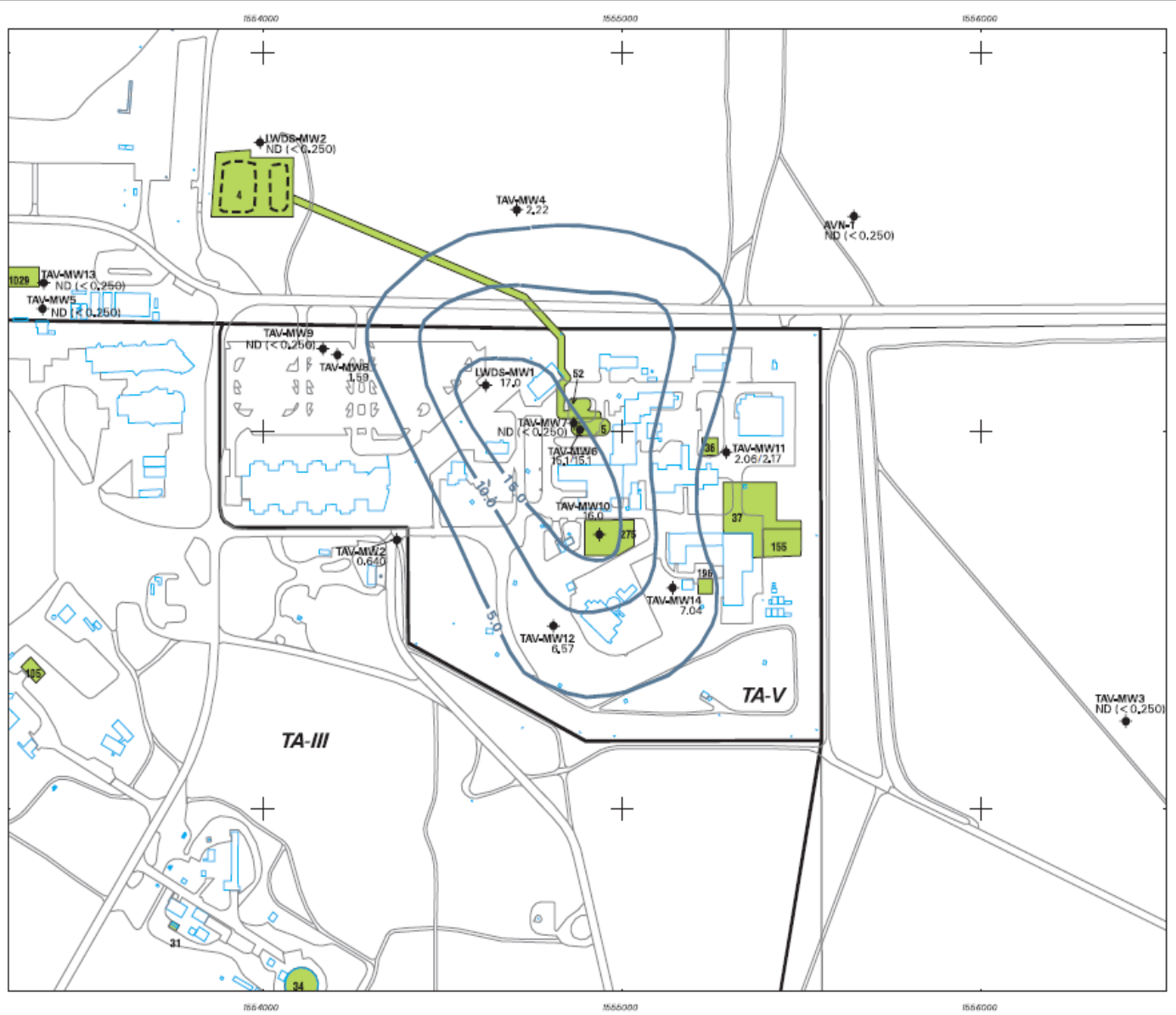




# Technical Area V Groundwater

---

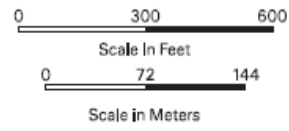
- GW monitored since 1992
- GW occurs ~500 ft deep in unconsolidated sediments
- Contaminated with nitrate & TCE
  - Nitrate: 0 to 14 ppm (std. = 10 ppm)
  - TCE: 0 to 19 ppb (std = 5 ppb)
- Suspected sources include high-volume waste-water disposal systems
- Small plume 4 mi. away from drinking-water supplies
- 16 groundwater monitoring wells sampled four times/yr
- 3 soil-vapor monitoring wells sampled four times/yr
  - low-level detections of TCE in vapor phase
- Corrective Measures Evaluation Report: FY14



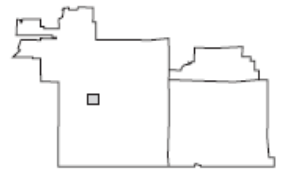
### Legend

- Monitoring well, with November 2011 Trichloroethene concentrations ( $\mu\text{g/L}$ )
- Concentration contour ( $\mu\text{g/L}$ )
- Road, paved and unpaved
- Impoundment boundary
- Solid waste management unit (SWMU)
- Tech Area boundary
- Building

Notes:  
 1) Wells TAV-MW7, TAV-MW9 and TAV-MW13 are completed below the water table, and were not used for contouring.  
 2) Higher concentration from duplicate sample analytical results used for contouring.  
 3) ND = not detected; method detection limit indicated in parentheses.



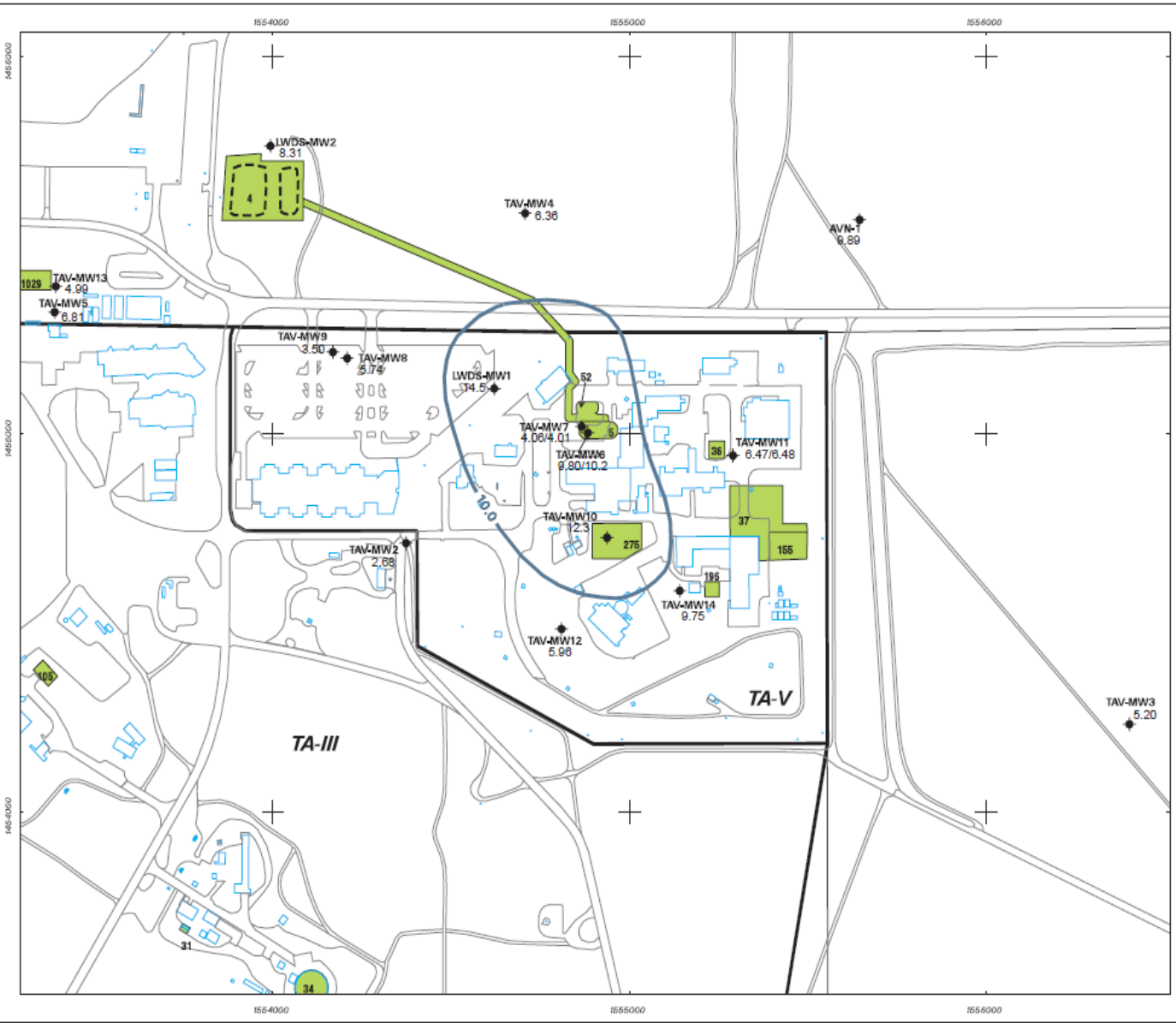
Transverse Mercator Projection, New Mexico State Plane Coordinate System, Central Zone, 1983 North American Horizontal Datum, 1988 North American Vertical Datum



SNL GIS ORG. 4142    13600    MAPID=120049

Sandia National Laboratories, New Mexico  
 Environmental Geographic Information System

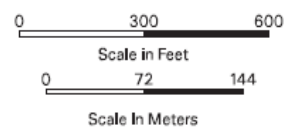
DHeflsh    dh120049.mxd    01/20/12



### Legend

- Monitoring well, with November 2011 Nitrate plus Nitrite concentrations (mg/L)
- Concentration contour (mg/L)
- Road, paved and unpaved
- Impoundment boundary
- Solid waste management unit (SWMU)
- Tech Area boundary
- Building

Notes:  
 1) Wells TAV-MW7, TAV-MW9 and TAV-MW13 are completed below the water table, and were not used for contouring.  
 2) Higher concentration from duplicate sample analytical results used for contouring.

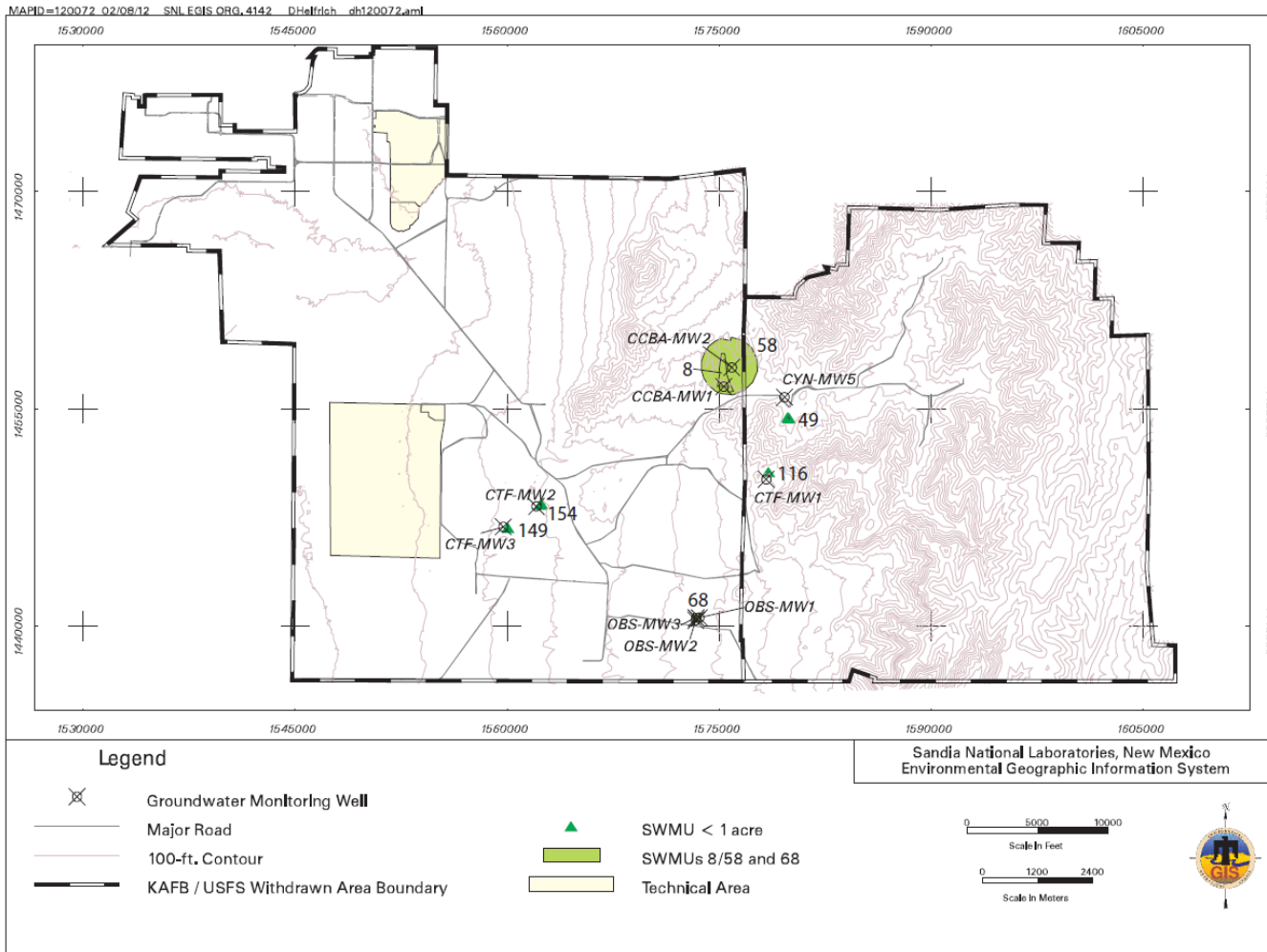


Transverse Mercator Projection, New Mexico State Plane Coordinate System, Central Zone, 1983 North American Horizontal Datum, 1988 North American Vertical Datum



SNL GIS ORG. 4142    1:3500    MAPID=120115  
 Sandia National Laboratories, New Mexico  
 Environmental Geographic Information System  
 DHefflich    dh120115.aml    04/26/12

# Miscellaneous Solid Waste Management Units





# Miscellaneous Solid Waste Management Units

---

- No GW contamination detected above regulatory standards, except as noted
- **SWMU 8 & 58**—Explosives test area, two wells
  - Fluoride above std in 1 well (naturally occurring)
- **SWMU 49**—Septic system drain field, 1 well
- **SWMU 68**—Former burn site, 3 wells
- **SWMU 116**—Septic system drain field, 1 well
- **SWMU 149**—Septic system drain field, 1 well
- **SWMU 154**—Septic system drain field, 1 well
  - Trace (<1 ppb) RDX (no std.)
  - Arsenic up to 0.0774 ppm (std. = 0.01 ppm)
  
- **Expected Corrective Action Complete Proposal: FY14**



# Key Points - Groundwater

---

- Contamination levels are typically low, below or just above regulatory standards
- Contaminants most commonly nitrate & TCE
- Sites are well characterized and not a threat to the Albuquerque/Bernalillo Co. water supply wells
- Groundwater Protection Program and ER Operations will continue to characterize & monitor GW per requirements



## Programmatic Key Points

---

- SNL's ER Operations successfully investigated & closed 279 of 314 legacy sites through the NMED regulatory process
- The DOE and Sandia Corporation are in compliance with the SNL Compliance Order on Consent as well as Federal and State requirements
- The DOE/EM plans to fully fund SNL's ER Program in FY13
- Restoration of remaining legacy sites is planned for completion by 2020



## Additional Information

---

- **For additional information please contact:**

**Ms. Tami Moore, DOE Sandia Site Office  
Director, Public Affairs  
505-845-6036**

- **NMED Public Reading Room:**

**<http://www.nmenv.state.nm.us/HWB/snlperm.html>**





Meeting Date: November 28, 2012  
Staff Contact: Rick Shean, Water Quality Hydrologist

**TITLE: New Mexico Environment Department Presentation on Detections of Solvent below Elderhomestead**

**SUMMARY:**

During the well development activities for new monitoring wells installed for the KAFB Jet Fuel Spill investigation, the solvent, Tetrachloroethylene or PCE, was discovered in samples taken from water produced during the activities. The New Mexico Environment Department (NMED) has initiated preliminary Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) response activities to determine the source of these detections.

Dr. Jim Davis, NMED Resource Protection Division Director, will summarize the planned CERCLA, or Superfund, activities in dealing with these detections.

The presentation was not available at time of agenda publishing.

**FISCAL IMPACT:**

None

# DROUGHT AND WATER USE UPDATE

Water Authority Board  
November 28, 2012

- Local forecast by "City, St" or Zip Code
- 
- XML** RSS Feeds
- Current Hazards**
  - Local
  - Nationwide
  - Outlooks
  - Storm Report
- Forecasts**
  - Local
  - Forecast Discussion
  - Activity Planner
  - Graphical
  - Winter Weather
  - Fire Weather
  - Aviation Weather
  - Product Selector
  - Local Modeling
- Current Weather**
  - Observations
  - Satellite Images
  - Rivers/Lakes
  - Precip Estimate
  - Hydrology
- Radar Imagery**
  - Nationwide
  - Albuquerque [ABX]
  - Cannon [FDX]
- Climate**
  - Local
  - National
  - More...
  - Monsoon Awareness
- Weather Safety**
  - Get Prepared
  - Weather Radio
  - SKYWARN
- Additional Info**
  - Our Office/Outreach
  - Coop Program
  - Photo Archive
  - Monthly Summaries



# Drought Summary

[Current Calendar Year Review](#) | [Current Water Year Review](#) | [Temperature and Precipitation Outlooks](#)

[Other Hydrologic Information](#) | [Special Hydrologic/Climate Features](#) | [Related Web Sites](#)

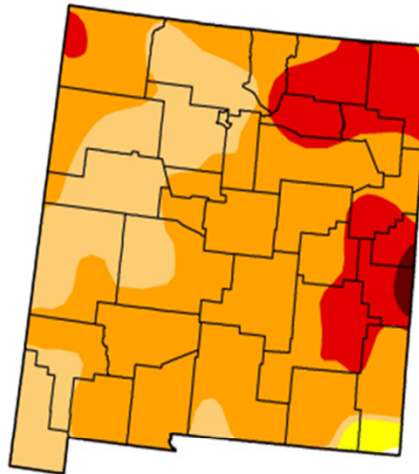
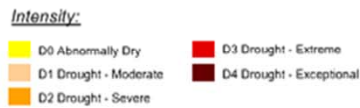
## U.S. Drought Monitor

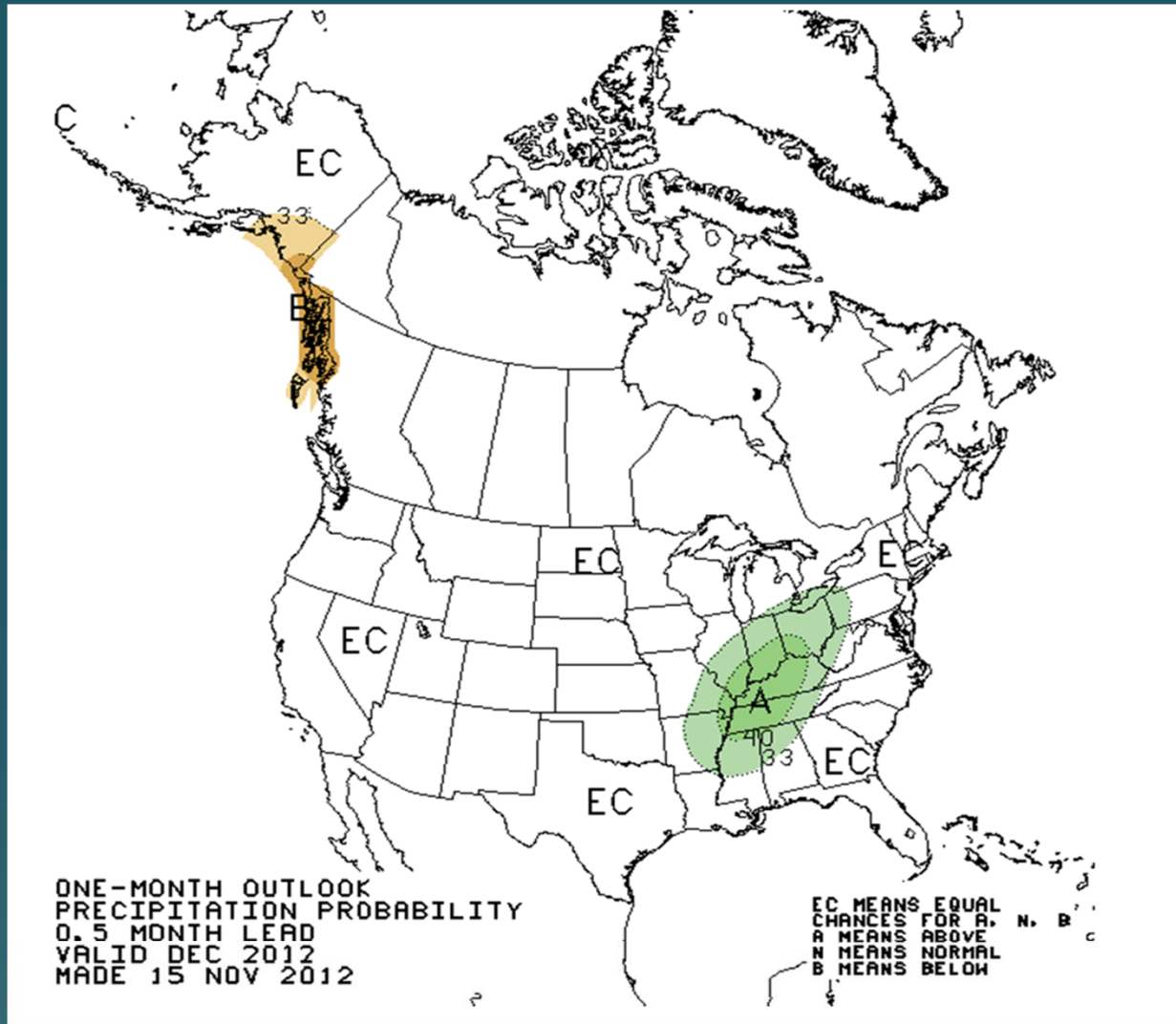
### New Mexico

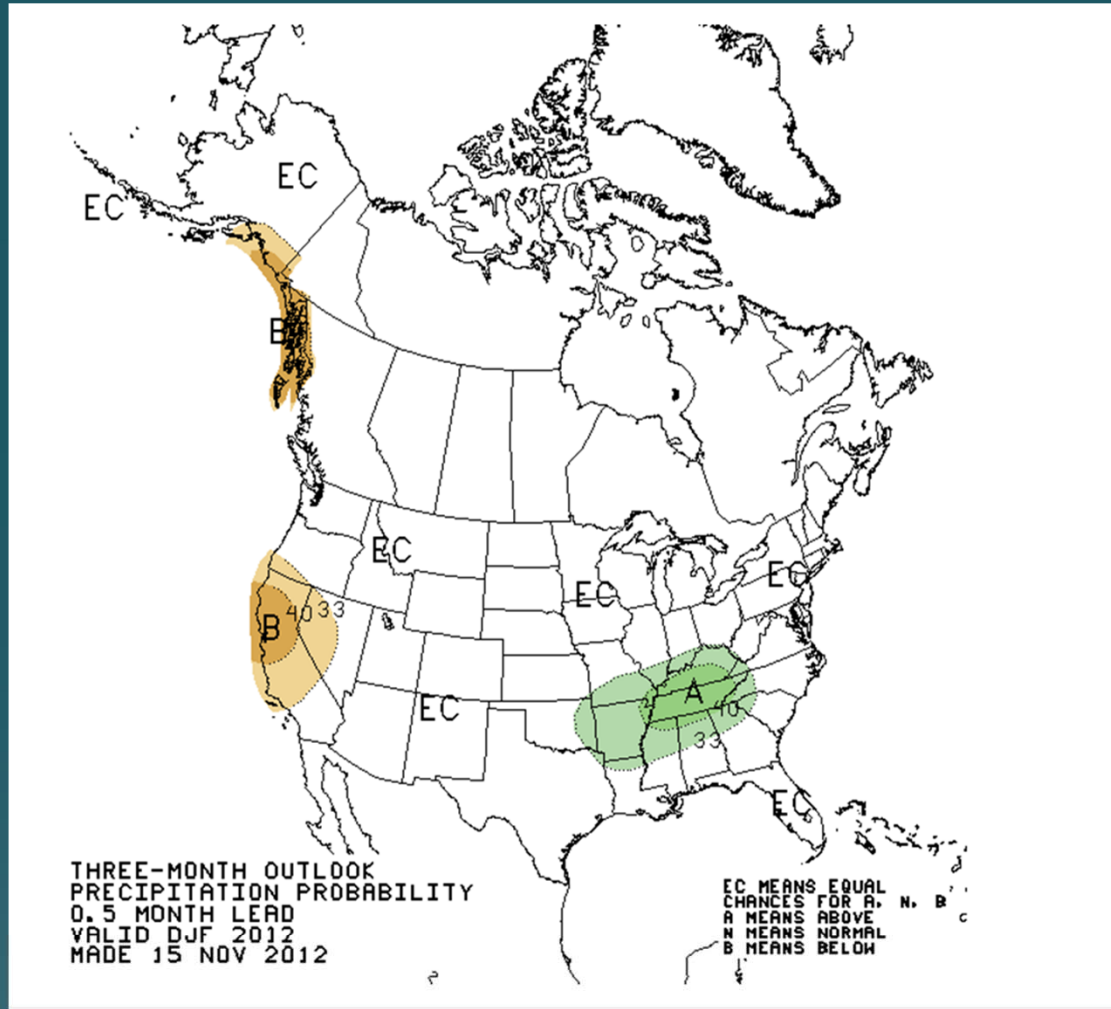
November 13, 2012  
Valid 7 a.m. EST

*Drought Conditions (Percent Area)*

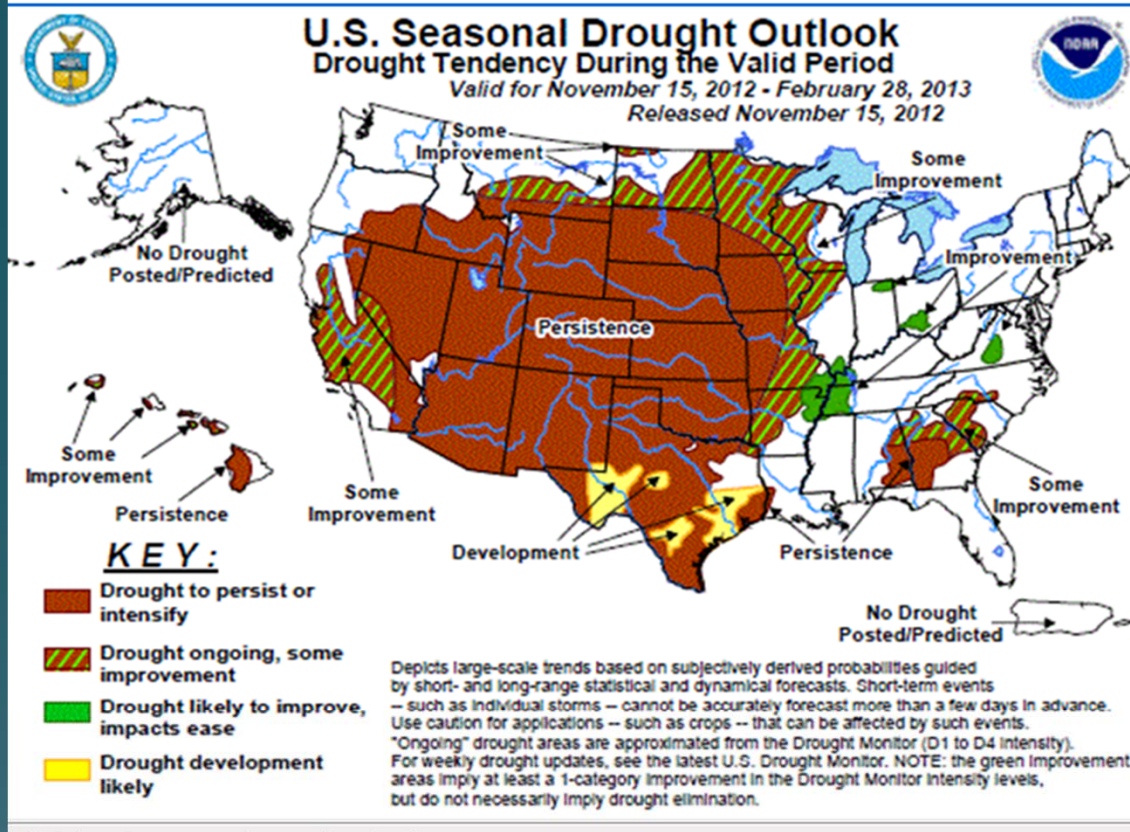
	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	0.07	99.93	98.80	74.51	16.30	0.68
Last Week (11/06/2012 map)	0.07	99.93	98.80	74.87	16.28	0.68
3 Months Ago (08/14/2012 map)	0.00	100.00	100.00	85.11	25.88	0.00
Start of Calendar Year (12/27/2011 map)	8.63	91.37	87.60	72.15	23.37	7.57
Start of Water Year (09/25/2012 map)	0.00	100.00	100.00	62.56	12.25	0.66
One Year Ago (11/08/2011 map)	6.30	93.70	90.73	85.62	63.05	26.41







# U.S. Seasonal Drought Outlook





### Mid-Nov 2022 Plume of Model ENSO Predictions

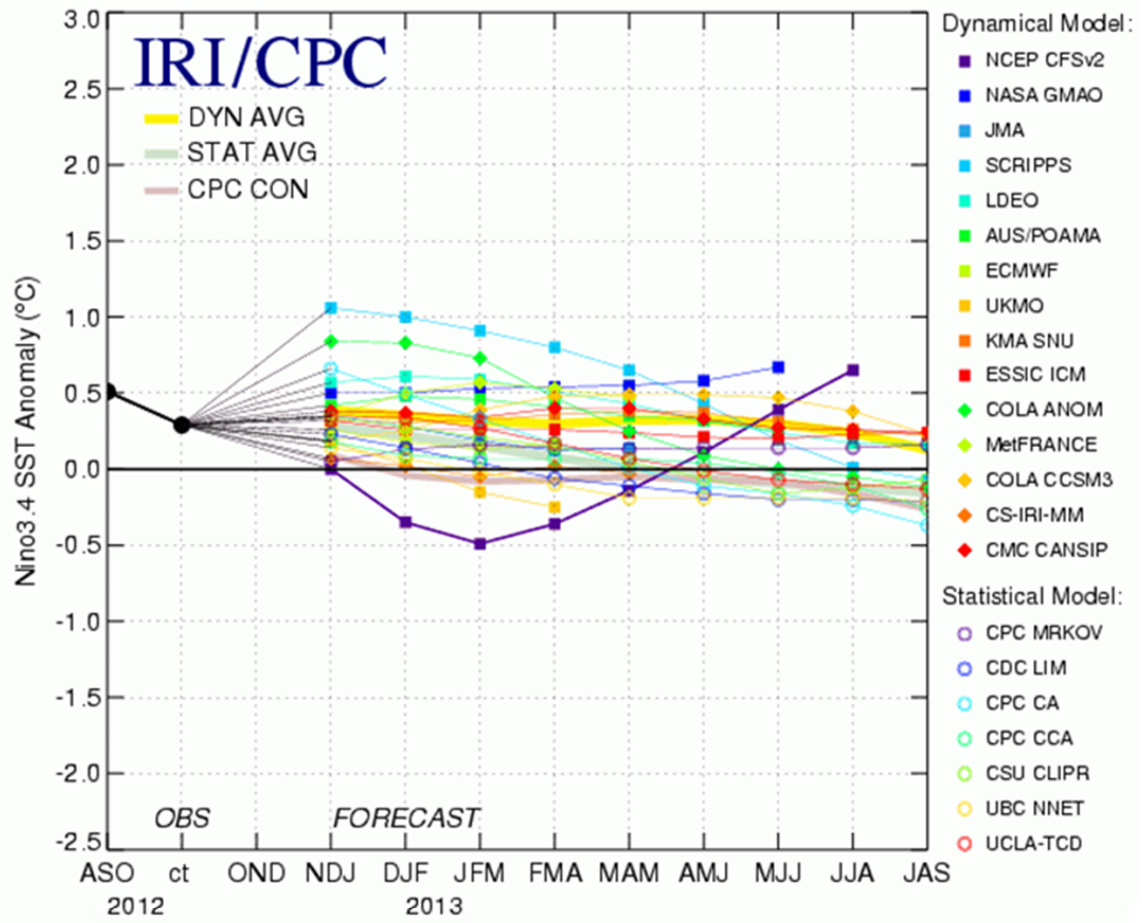
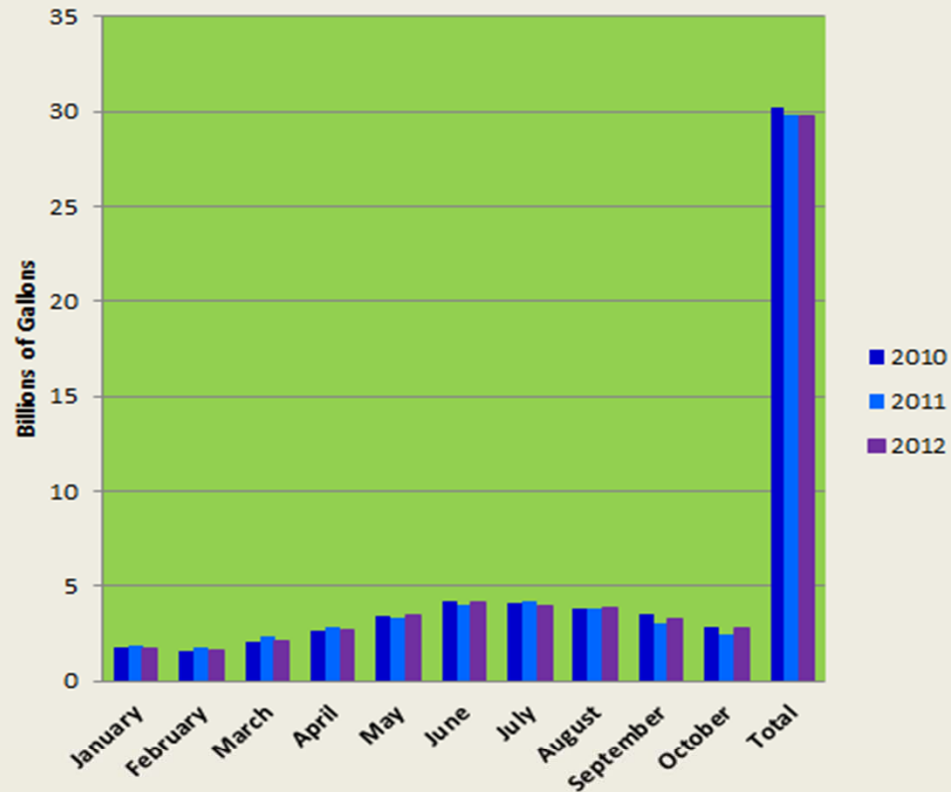


Figure provided by the International Research Institute (IRI) for Climate and Society

## Water Authority Monthly Water Production 2010, 2011 and 2012



Albuquerque Bernalillo County  
Water Utility Authority