



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, October 17, 2012

5:00 PM

Vincent E. Griego Chambers

1. **CALL TO ORDER**
2. **INVOCATION/PLEDGE OF ALLEGIANCE**
3. **APPROVAL OF MINUTES - September 19, 2012**
4. **PROCLAMATIONS AND AWARDS**
 - A. Quarterly Employee Awards
5. **PUBLIC COMMENT**
6. **ANNOUNCEMENTS/COMMUNICATIONS**
 - A. Next Scheduled Meeting - November 28, 2012 at 5:00 pm
7. **INTRODUCTION (FIRST READING) OF LEGISLATION**
8. **CONSENT AGENDA (Any Board Member may request that a Consent Agenda item be placed under Approvals)**
9. **APPROVALS**
 - A. **WUA R-12-13** Authorizing an Agreement with the Kirtland Air Force Base for Contingency Plan Coordination
 - B. **WUA R-12-14** Protecting Albuquerque's Water Supply
10. **OTHER BUSINESS**
 - A. Local AFSCME Union Appointment to Labor Management Relations Board
 - B. Drought and Water Use Update

C. Water Protection Advisory Board Mixed Waste Landfill Report

D. Water Resources Management Update

11. ADJOURNMENT

Visit Our Website at 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.

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<u>Ordered By</u>	PATTY JENKINS	<u>Customer Phone</u>	505-768-2500	<u>Pickup #</u>	
<u>Customer Email</u>		<u>PO Number</u>		<u>Joint Ad #</u>	
<u>Ad Cost</u>	\$147.63	<u>Sales Rep</u>	dnoel		
<u>Tax Amount</u>	\$10.35	<u>Order Taken by:</u>	dnoel		
<u>Total Amount</u>	\$157.98	<u>Payment Method</u>			
<u>Amount Due</u>	\$157.98	<u>Payment Amount</u>		\$0.00	

<u>Product</u>	Albuquerque Journal	<u>Placement</u>	Legal Notices
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<u>Ad Type</u>	APC-Legals	<u>Sort Text</u>	BOARD MEETING NOTICE
<u>Ad Size</u>	: 1.0 X 57 Li		
<u>Color</u>	<NONE>		
<u>Run Dates</u>	10/13/2012, 10/14/2012, 10/15/2012, 10/16/2012, 10/17/2012		

Affidavits
 1



Water Utility Authority

ALBUQUERQUE BERNALILLO
 COUNTY WATER UTILITY
 AUTHORITY

NOTICE IS HEREBY GIVEN that the Albuquerque Bernalillo County Water Utility Authority will conduct its October 2012 Board meeting Wednesday, October 17, 2012 at 5:00 P.M. in the Vincent E. Griego Chambers of the Albuquerque Bernalillo County Government Center, Basement Level, One Civic Plaza NW.

Agendas may be picked up at the Albuquerque Bernalillo County Water Utility Authority Office, One Civic Plaza NW 5th Floor Room 5012.

NOTICE TO PERSONS WITH DISABILITIES: If you have a disability and require special assistance to participate in this meeting, please contact the Water Authority

Office, Suite 5012, Albuquerque
Bernalillo County Government
Center, phone 768-2500 or by the
TTY 1-800-659-8331, as soon as
possible prior to the meeting date.
Public documents, including the
agendas and minutes, can be pro-
vided in various accessible for-
mats. Please contact the Execu-
tive Director of the Water Authority
at the Water Authority Office if a
summary or other type of accessi-
ble format is needed.
Journal: October 13-17, 2012



Albuquerque Bernalillo County Water Utility Authority

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

Public Comment Sign In Sheet –October 17, 2012

Name	Contact Info (email or phone number)
✓ Sudy Kaul 2435800	
✓ CAROL BENSON	268-0906
✓ Valerie Smith	265-3588
✓ DON SCHRADER	243-0634
✓ Judith Kidd	243-6174
✓ Floy Barrett	255-1972
Sudy Kaul	243-5800
Montana Durrance	319-447
✓ Joseph Wexler	247-8401
✓ DAVE McCoy	262-1862
✓ David Miller	284-2574. Sandia Remed
✓ Jim McKay	369-2813



Meeting Date: October 17, 2012
Staff Contact: Judy Bentley, Human Resources Manager

TITLE: Quarterly Employee Awards - First Quarter FY 13

SUMMARY:

Employee Recognition Award Recap

Clifford Wintrode, Abebe Tefera, Peter Chang (\$750):

By working closely with Federal authorities over several months during a painstaking audit process, these individuals saved the Water Authority \$2 million—money that the Federal government wished to disallow from a FEMA emergency grant made back in 2004.

Dean Brush, David Montgomery, Joseph Barrios, Steve Magee (\$300, 8 hours):

These individuals were charged with a critical upgrade to our radio communications system mandated by the FCC. Their hard work and diligence resulted in completion of the project three months ahead of schedule and \$100,000 under budget, in spite of numerous challenges and setbacks.

Patrick Griego, Michael Arellano, Angelo Baca, Robert Lucero (\$150):

For the last four years, these individuals have volunteered, without any recognition, to make the employee health and safety picnic a success by cleaning up the grounds in advance; spraying for insects; helping with logistics, storage, set-up and takedown; and hauling off the trash afterward.

FISCAL IMPACT:

None

Meeting Date: October 17, 2012
Contact: Commissioner De La Cruz
Staff Contact: Rick Shean, Water Quality Hydrologist

TITLE: F/S R-12-13 - Authorizing an Agreement with the KAFB for Protecting Albuquerque's Drinking Water and Contingency Plan Coordination

ACTION: Final Action

SUMMARY:

The Water Authority Board has requested that staff enter into a formal agreement between the Water Authority and Kirtland Air Force Base (KAFB) pursuant to undertaking evaluation and development of a contingency plan in the event that the jet fuel plume from the base's former bulk fuel facility reaches existing municipal water supply wells.

The floor substitute for R-12-13 is the Water Authority Board's request to staff to engage in negotiations with KAFB, to enter into a formal agreement securing KAFB's commitment to fund the development and implementation of the contingency plan, and to include the continued funding for the investigation and cleanup of the aviation gas and jet fuel spill in the Water Authority's federal legislative priorities.

The Water Authority has been working cooperatively with KAFB on the characterization and remediation planning for the base's fuel spill and is actively monitoring the status of the resulting plume in the aquifer.

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

Commissioner De La Cruz requested this resolution.

FISCAL IMPACT:

None

ALBUQUERQUE BERNALILLO COUNTY WATER UTILITY AUTHORITY

BILL NO. F/S R-12-13

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 leak has
12 created what may be the largest aviation gas and jet fuel spill in the history of the United
13 States (U.S.); and

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

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

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

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

27 WHEREAS, KAFB continues to investigate and is actively remediating the fuel
28 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 fuel 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 reimbursements for costs
11 related to additional well sampling related to the KAFB bulk fuel facility spill.

12 BE IT RESOLVED BY THE WATER AUTHORITY:

13 Section 1. Water Authority will enter into a formal agreement with KAFB to
14 include activities related to monitoring, contingency planning and implementation in the
15 event that a Water Authority production well or wells are affected by the KAFB Bulk Fuel
16 Facility spill.

17 Section 2. Water Authority will work with KAFB and NMED on the placement of
18 additional monitoring wells, including early warning wells within the wellhead protection
19 areas, and assist with the modeling of the dissolved phase plume including the
20 proximity to the Water Authority's Ridgecrest Well Field and production zone.

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

24 Section 4. The Executive Director is authorized enter into an agreement with
25 KAFB to provide funding by KAFB for costs related to contingency planning and
26 implementation projects.

27 Section 5. Continued funding for the KAFB remediation shall be included as a
28 federal legislative priority for the Water Authority.

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Meeting Date: October 17, 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

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.

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Meeting Date: October 17, 2012
Staff Contact: Charles W. Kolberg, General Counsel

TITLE: Local AFSCME Unions Appointment to Labor Management Relations Board

ACTION: Receipt Be Noted

SUMMARY:

Section 10-2-15 of the Water Authority Labor-Management Relations Ordinance requires the appointment of three representatives to serve on the Labor-Management Relations Board. The Unions appoint the labor representative and the Water Authority governing board appoints the management representative. Subsequently, the two appointed representatives mutually appoint the third member of the Board to serve as the neutral and chair of the Labor Board. Appointments are for a two year term.

AFSCME Local 3022, 624 and 2962 have designated Carol Oppenheimer as their representative on the Labor-Management Relations Board.



September 14, 2012

Labor-Management Relations Board
Albuquerque, Bernalillo County
Water Utility Authority
Attn: Patty Jenkins
One Civic Plaza NW 5th Floor
Albuquerque, NM 87120

Subject: AFSCME Local Union Appointment to the ABCWUA Labor-Management Relations Board

Dear Chief Justice Baca:

In accordance with the ABCWUA Labor Management Relations Ordinance, BILL NO. F/S 0-07-2, Section 10-2-15, AFSCME Locals 624, 2962, and 3022 hereby appoint Carol Oppenheimer to seat permanently as labor's selection on the Labor-Management Relations Board for the two-year term beginning October 1, 2012.

Thank you,

Rocky E. Gutierrez, Representative
AFSCME Council 18

Cc: Charles Kolberg, ABCWUA General Counsel
Kasey Padilla, Local 624 President
Deb Rainaldi, Local 2962 President
Steve Higgins, Local 3022 President



DROUGHT AND WATER USE UPDATE

Water Authority Board

October 17, 2012



Albuquerque Bernalillo County
Water Utility Authority

- Local forecast by "City, St" or Zip Code
 City, St
- 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
 - CWSU ZAB
 - Local Studies and Features



Drought Summary

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

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

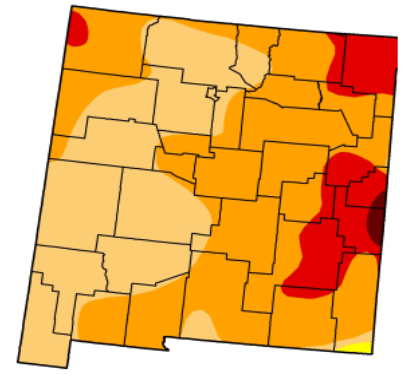
U.S. Drought Monitor

New Mexico

October 2, 2012
 Valid 7 a.m. EST

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	0.00	100.00	99.73	62.37	12.28	0.68
Last Week (09/25/2012 map)	0.00	100.00	100.00	62.56	12.25	0.66
3 Months Ago (07/03/2012 map)	0.00	100.00	99.79	85.70	25.98	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 (09/27/2011 map)	0.00	100.00	96.40	88.99	69.61	35.13

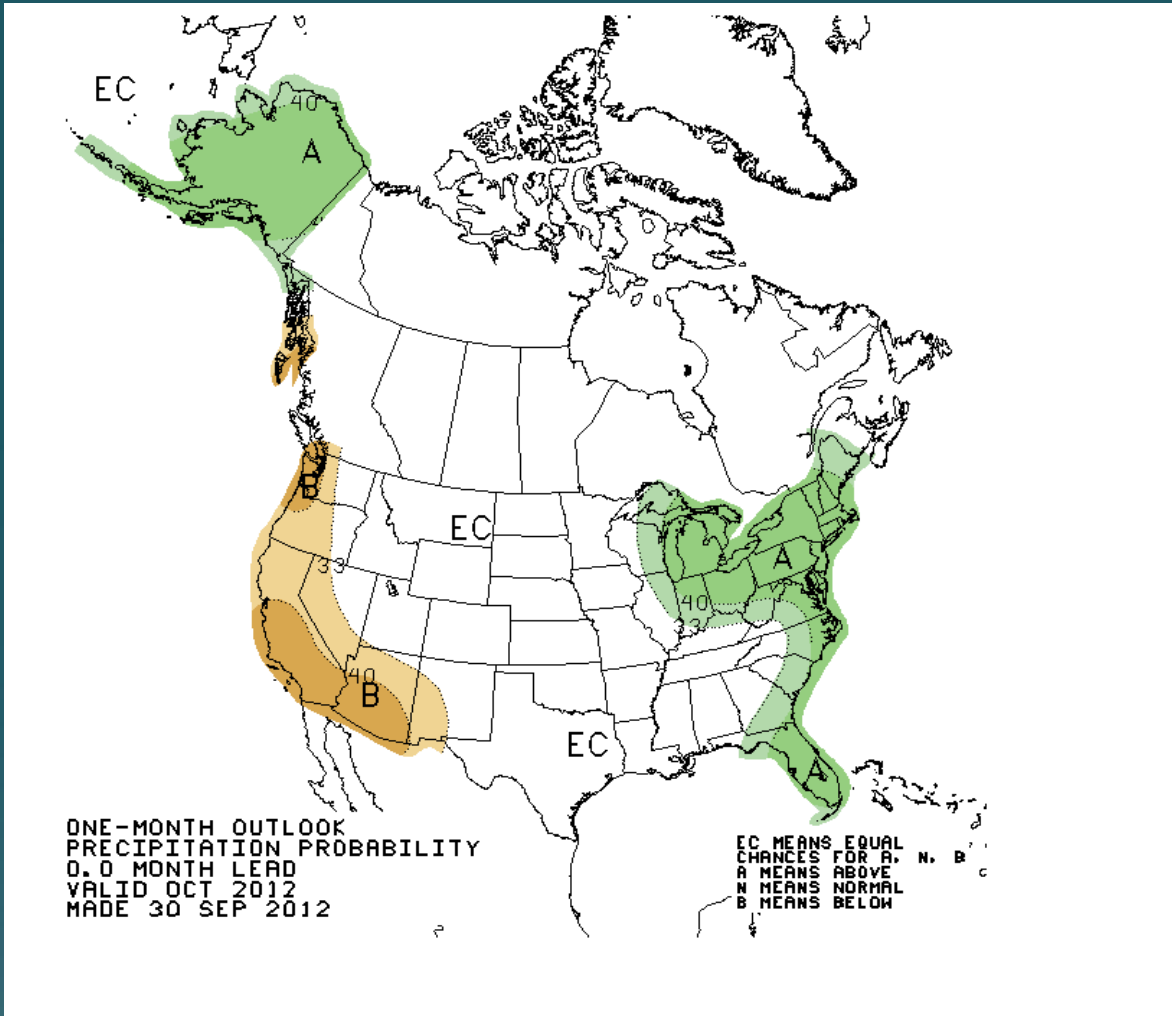


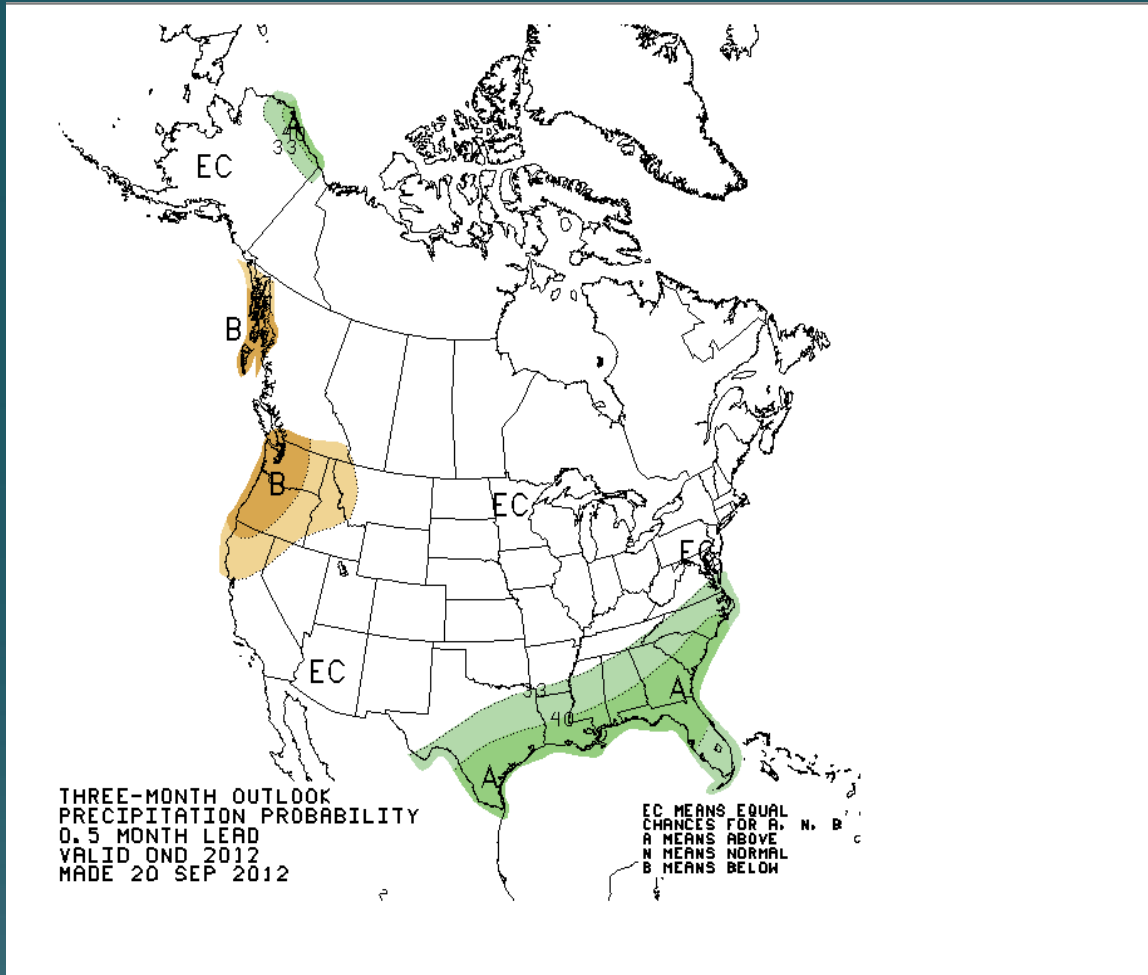
Intensity:

- D0 Abnormally Dry
- D1 Drought - Moderate
- D2 Drought - Severe
- D3 Drought - Extreme
- D4 Drought - Exceptional

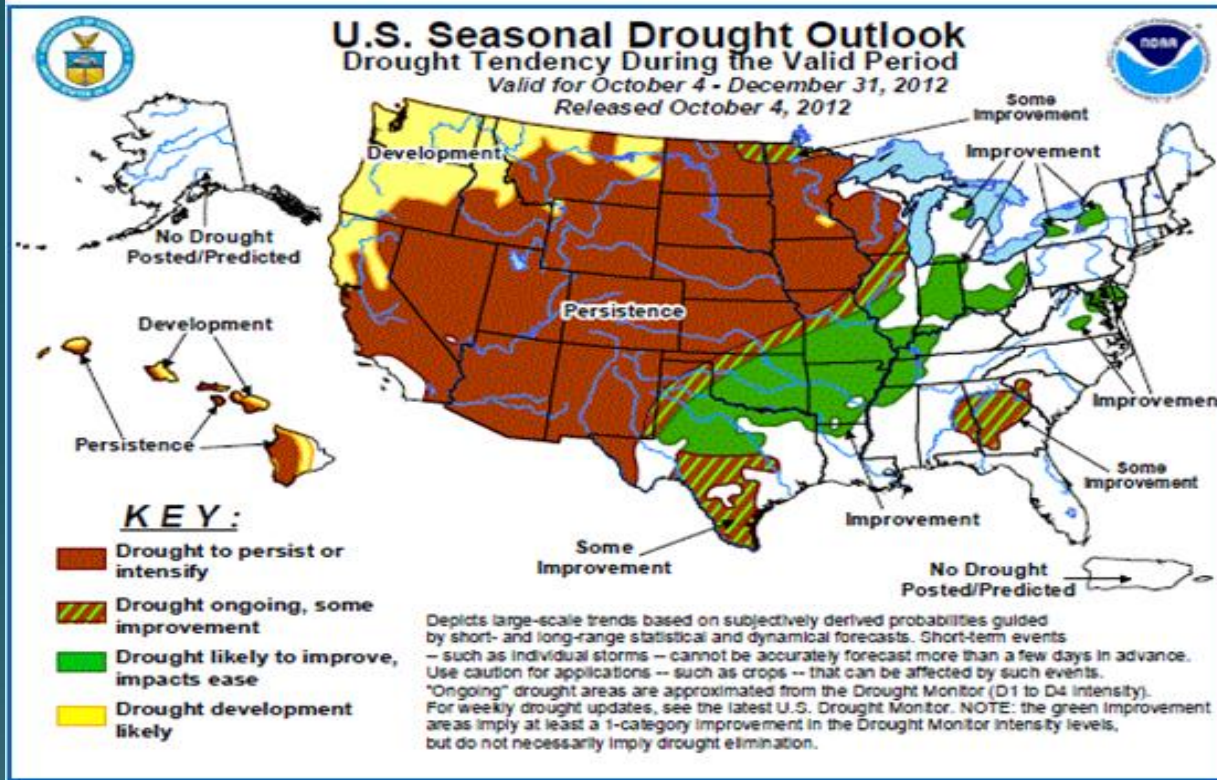
...Small Area of Exceptional Drought in Curry and Roosevelt Counties...

...Extreme Drought in Parts of Eastern and Far Northwest New Mexico...





U.S. Seasonal Drought Outlook



Mid-Sep 2012 Plume of Model ENSO Predictions

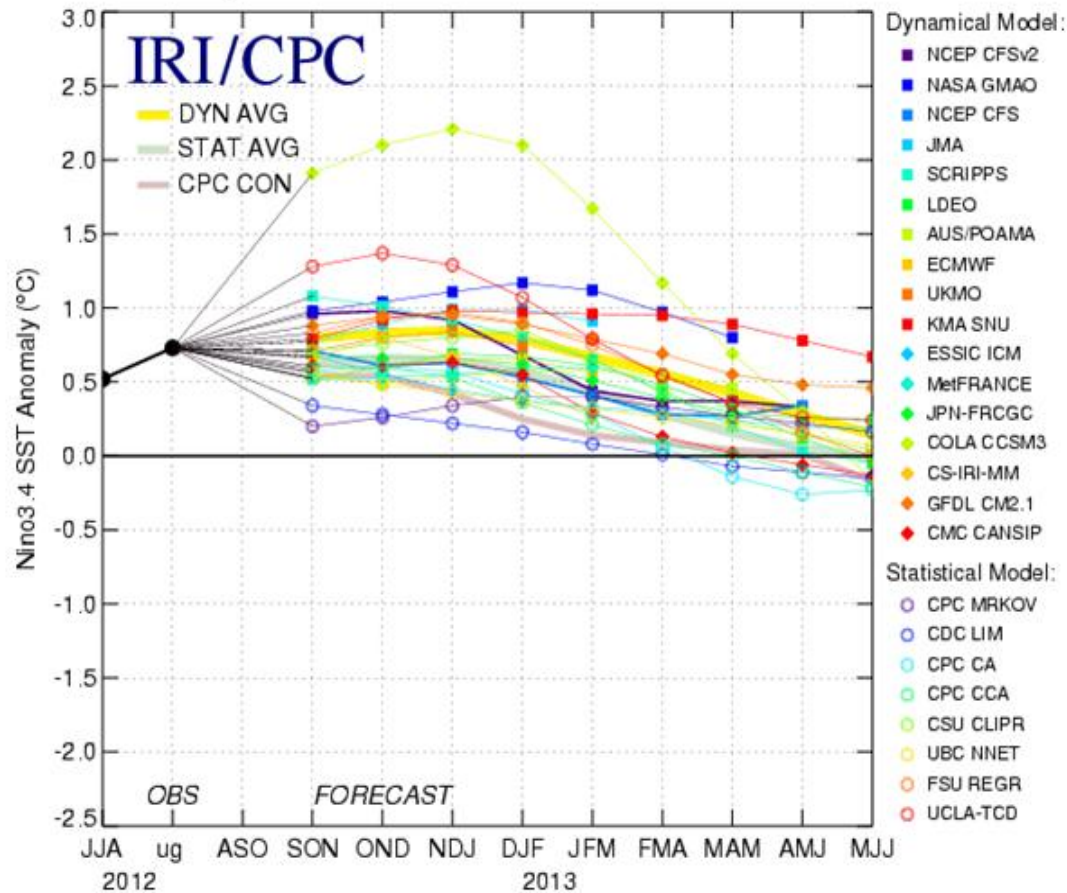
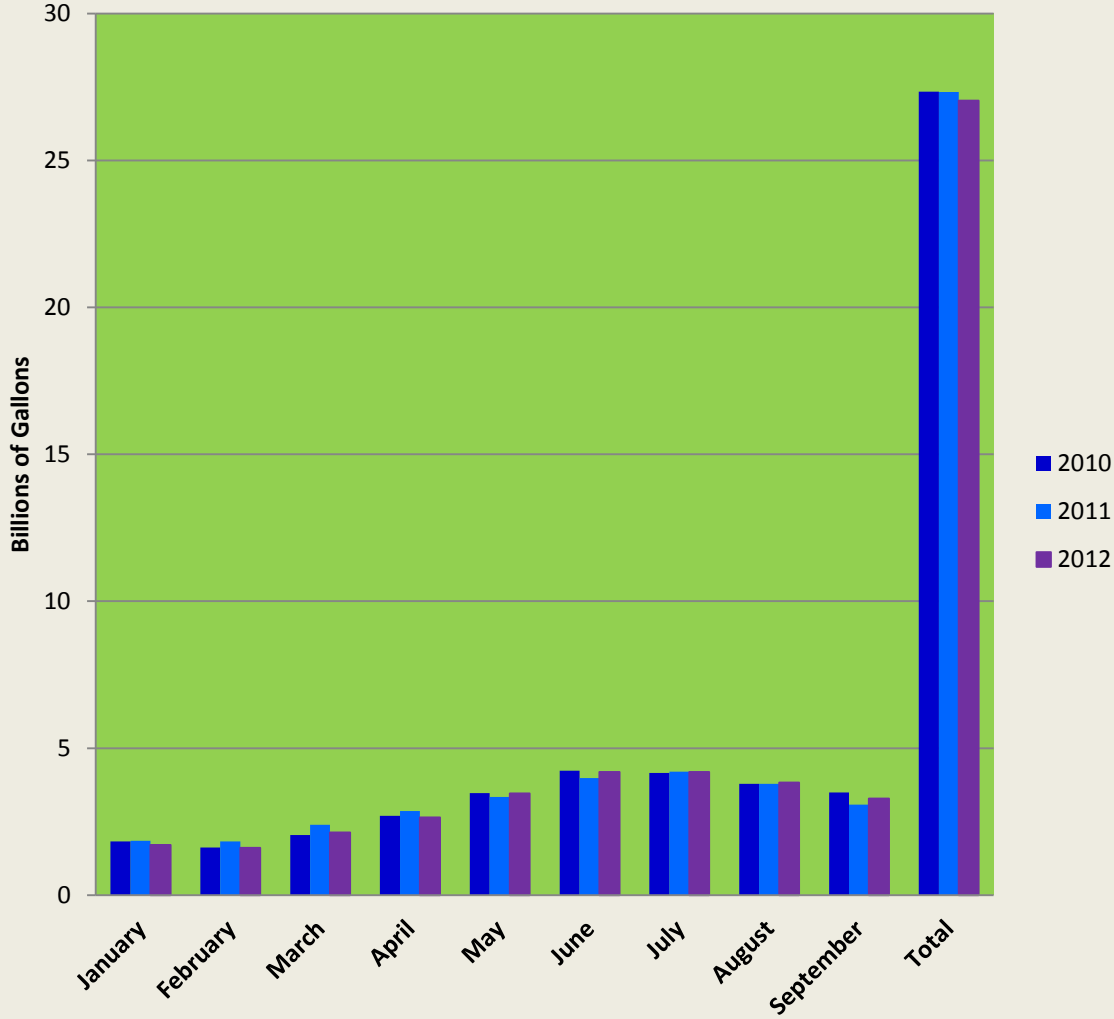


Figure provided by the International Research Institute (IRI) for Climate and Society



Water Authority Monthly Water Production 2010, 2011 and 2012





Meeting Date: October 17, 2012
Staff Contact: Rick Shean, Water Quality Hydrologist

TITLE: Water Protection Advisory Board Discussions and Actions Regarding the Sandia National Laboratories' Environmental Restoration Operations, the Mixed Waste Landfill and Environmental Advocacy Concerns

ACTION: No Action Required

SUMMARY:

Water Protection Authority Board (WPAB) is requesting that the Water Authority Board encourage the New Mexico congressional delegation to support the U.S. Department of Energy's budget proposal that increases the funding for the environmental restoration activities at the Sandia National Laboratories.

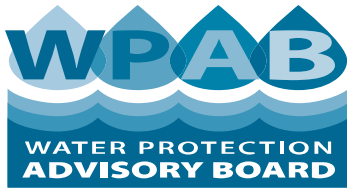
WPAB has recently heard two presentations and public comments regarding the U.S. Department of Energy Sandia National Laboratories' (SNL) Environmental Restoration Operations activities, including presentations from the Our Endangered Aquifer Working Group (Working Group) and the SNL Environmental Restoration Operations staff.

The Working Group shared their concerns that SNL has not sufficiently addressed requirements in a 2004 Compliance Order on Consent issued by the New Mexico Environment Department, and that insufficient funding has been provided in past years to bring SNL into conformance.

SNL's Environmental Restoration Operations staff presented an opposing viewpoint, and reported to the board that they are in conformance with the Compliance Order, and have requested additional funding in their FY 2013 budget for additional activities related to the compliance order.

FISCAL IMPACT:

None.



J. Lawrence Barela, *Chair*
Erik K. Webb, *Vice Chair*
Rip Anderson
Michael J. Bitner
John S. Derr

Steve Glass
Tom McHugh
Elizabeth H. Richards
Jennifer Thacher

Water Protection Advisory Board
c/o ABCWUA
P.O. Box 568
Albuquerque, NM 87103

HAND-DELIVERED

August 10, 2012

Chairman Ken Sanchez
City of Albuquerque
P.O. Box 568
Albuquerque, New Mexico 87102

Re: Increased Funding for DOE-NNSA Environmental Restoration Projects

Dear Chairman Sanchez:

Your Water Protection Advisory Board (WPAB) requests that the WUA governing board voice its support of the Department of Energy's National Nuclear Security Administration (DOE-NNSA) proposed increase in funding for environmental restoration projects on the Sandia National Laboratories' (SNL's) property, and include this issue in your federal legislative agenda.

The WPAB was recently presented with some salient concerns from members of the public and an environmental advocacy group, "Our Endangered Aquifer Working Group" (OEAWG), regarding the status and adequacy of funding for the lab's environmental restoration projects. OEAWG members feel that insufficient progress has been made by the DOE towards conformance with a 2004 Compliance Order on Consent being enforced by the New Mexico Environment Department NMED and that contamination from these former operational areas are threats to nearby Water Authority production wells.

DOE-NNSA is requesting \$5 million in its FY 2013 Congressional Budget proposal for SNL's environmental restoration programs, which is approximately sixty-six percent (66%) more than its current enacted funding. Increased funding will be used for additional soil vapor and groundwater characterization activities at designated areas, including the TA-V site.

The WPAB respectfully requests that WUA Governing Board consider OEAWG's concerns enclosed with this letter and take formal action towards encouraging the New Mexico congressional delegation to support the increased funding for the environmental restoration and monitoring of the sites that threaten our drinking water supply by including this critical funding issue in your federal legislative priorities.

Sincerely,

A handwritten signature in cursive script that reads "Jennifer A. Thacher".

Dr. Jennifer Thacher, WPAB Member

Enclosure

Chairman Ken Sanchez
August 10, 2012
Page 2 of 2

Cc: Mayor Richard J. Berry
Vice Chairman Wayne A. Johnson
Commissioner Art De La Cruz
Councilor Rey Garduno
Councilor Trudy E. Jones
Mr. Robert J. Perry
Commissioner Maggie Hart Stebbins
Trustee Pablo R. Rael

Mr. Rick Sena (copy mailed to U.S. DOE/NNSA/Sandia Site Office, PO Box 5400, MS 0184,
Albuquerque, NM 87185-5400)

Dr. Paul Hommert (copy mailed to Sandia National Laboratories, PO Box 5800 MS 0101,
Albuquerque, NM 87185-0101)

J. Lawrence Barela (recusal w/memo to file)

Erik Webb (recusal w/memo to file)

WPAB Correspondence File

Groundwater Protection Advisory Board Mixed Waste Landfill Resolution

April 12, 2001

Background:

The City of Albuquerque/Bernalillo County Ground-Water Protection Policy and Action Plan (GPPAP) identifies three goals: 1) protect the ground-water resource, 2) find and clean up contaminated ground water, and 3) promote the coordinated protection and prudent use of the ground-water resource through the region. One of the specific recommendations of the GPPAP was formation of a Ground-Water Protection Advisory Board (GPAB), which was formally constituted in December 1998. Part of the GPAB's role is to promote and facilitate region-wide ground water protection. To fulfill this mission, the GPAB held five meetings to discuss ground water protection activities at Sandia National Laboratories and Kirtland Air Force Base. The principal focus of these meetings was to discuss potential threats posed by the Mixed Waste Landfill (MWL), a facility that contains both hazardous and radioactive wastes.

Findings:

At its meeting on March 8, 2001, the GPAB agreed to the following findings:

1. The current concentrations of chemical and radioactive contaminants in ground water beneath the MWL do not pose an immediate threat to human health and the environment.
2. The risk of radiation exposure to cleanup personnel and the public associated with removal of the waste at this time would be excessively high.
3. There is a need to exercise continued vigilance of the MWL so that problems are identified and addressed before additional contamination occurs.

Recommendations:

Based on the information presented to the GPAB and after much deliberation, the Board made the following recommendations:

1. The MWL should be covered to prevent airborne transport of contaminants, limit infiltration of water into the landfill, prevent intrusion, and prevent erosion at the site.
2. Sandia National Laboratories (SNL) and the Department of Energy (DOE) should continue monitoring efforts at the MWL until remediation activities are completed. The monitoring frequency and the parameters to be measured should be negotiated with staff from the New Mexico Environment Department (NMED), the City of Albuquerque, and Bernalillo County. Current efforts by SNL and DOE to identify technologies for improved monitoring of contaminants in the environment and for waste recovery and/or stabilization of contaminated sites should be continued.
3. The NMED should place a condition in SNL's Resource, Conservation and Recovery Act (RCRA) permit that remediation of the MWL will be evaluated every 5 years, or when a change of property ownership occurs, or when monitoring indicates a change of conditions

within the MWL such as accelerated contaminant migration through the vadose zone. This evaluation will include an assessment of the risks posed by the MWL to the community, identification of remediation and waste disposal alternatives, the cost of remediation and disposal, and determination of the risks associated with remediation and waste disposal activities that employees and the community would be exposed to. The GPAB will be provided a copy of this evaluation for their formal review.

4. The MWL should be excavated and the materials properly stabilized and disposed of when either: 1) radiation levels decrease to levels acceptable for remediation activities, or 2) the waste is determined to present an unacceptable risk to human health and the environment.
5. Sandia National Laboratories and the DOE should identify a mechanism by which financial assurance can be provided to the City of Albuquerque, Bernalillo County, and the State of New Mexico to maintain adequate institutional control over the MWL as long as waste is present at the site. This financial assurance would include a provision for adequate technical and fiscal resources necessary to complete waste removal, disposal, and remediation activities at the site.
6. The City of Albuquerque and Bernalillo County should develop land use constraints for the MWL that will prevent inappropriate development near the site.

Albuquerque Bernalillo County Water Protection Advisory Board

October 17, 2012

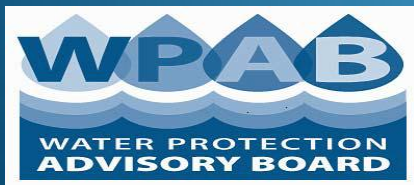
**WPAB Discussions and Actions Regarding the Sandia National Laboratories'
Environmental Restoration Operations, the Mixed Waste Landfill and Environmental
Advocacy Concerns**

Presented by

Rick Shean, WPAB Staff

Water Quality Hydrologist

Water Authority

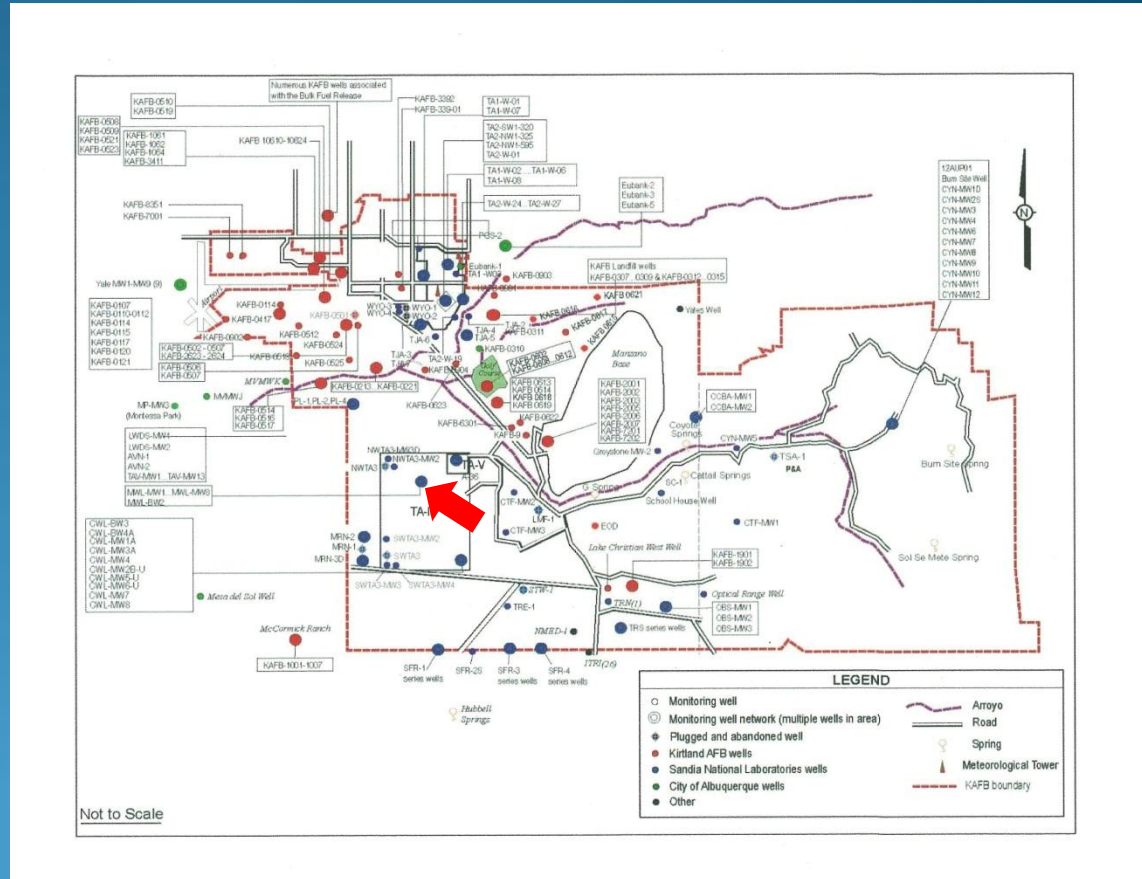


Purpose of Presentation

- Update Water Utility Authority (WUA) Governing Board with recent deliberations on Sandia National Laboratories' (SNLs') Environmental Restoration and Groundwater Protection Program and Local Environmental Advocates concerns for progress of these activities.
- Presentations to WPAB by Our Endangered Aquifer Working Group (Working Group), SNLs' Environmental Restoration Group, and public comments by Citizen Action New Mexico
- Letter to WUA Board endorsing support for SNLs' request for increased funding for

SNL Environmental Restoration Operations

- 314 legacy release sites at SNL
- 278 closed / No Further Action determinations by NM Environment Department
- 7 Groundwater Projects
- In full compliance with NMED Consent Order of 2004



Source: SNL Environmental Restoration & Groundwater Protection Programs presentation to the Water Protection Advisory Board, Sept. 14, 2012

Mixed Waste Landfill

- 2.6 acre landfill
- Operated from 1959 - 1988
- Contains classified and unclassified waste, including tritium, plutonium and volatile organic compounds
- According to SNL and NMED, no evidence of impact to the regional aquifer
- Cap constructed



Source: SNL Environmental Restoration & Groundwater Protection Programs presentation to the Water Protection Advisory Board, Sept. 14, 2012

Environmental Advocacy Concerns

- SNL is out of compliance with Compliance Order on Consent issued in 2004
- Ground water monitoring wells at the MWL are placed in wrong locations / depths for evaluating impact to the aquifer
- Insufficient funding to adequately investigate unknown impacts to the regional aquifer
- Public Hearing is needed to have newer information included in designs of Long-term Management Plan

WPAB Actions Regarding MWL

- 2001 – Resolution
 - 6 recommendations
 - Include:
 1. Covering MWL , until radiation levels decrease to acceptable levels for remediation activities , or the waste is determined to present an unacceptable risk to human health and the environment.
 2. Financial assurances by SNL/DOE to maintain institutional controls.
 3. Five year evaluations, and additional evaluations given other conditions.

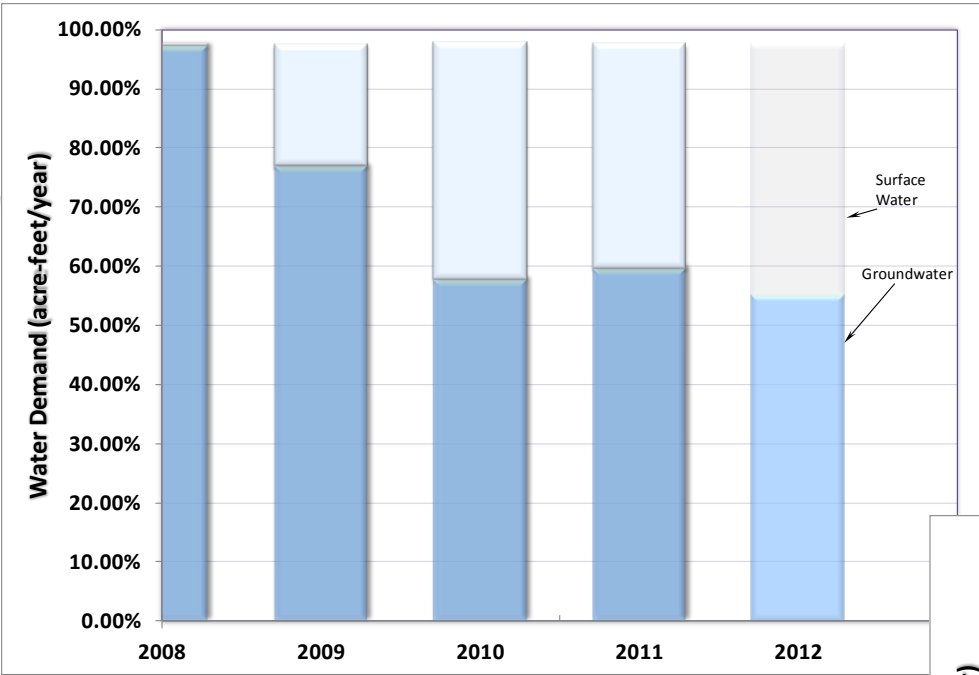
WPAB Actions regarding MWL, cont.

- 2006
 - Testified at public hearing for the Corrective Measures Implementation Plan
 - Reiterated 2001 resolution
- 2012
 - Presentations regarding regulatory status and environmental advocacy concerns
 - August 10 letter to WUA Board
 - Request to WUA Board to encourage NM delegation to support SNL's budget request for ER activities.
 - Considering appropriateness of Public Hearing Request for MWL Long-term Management Plan.

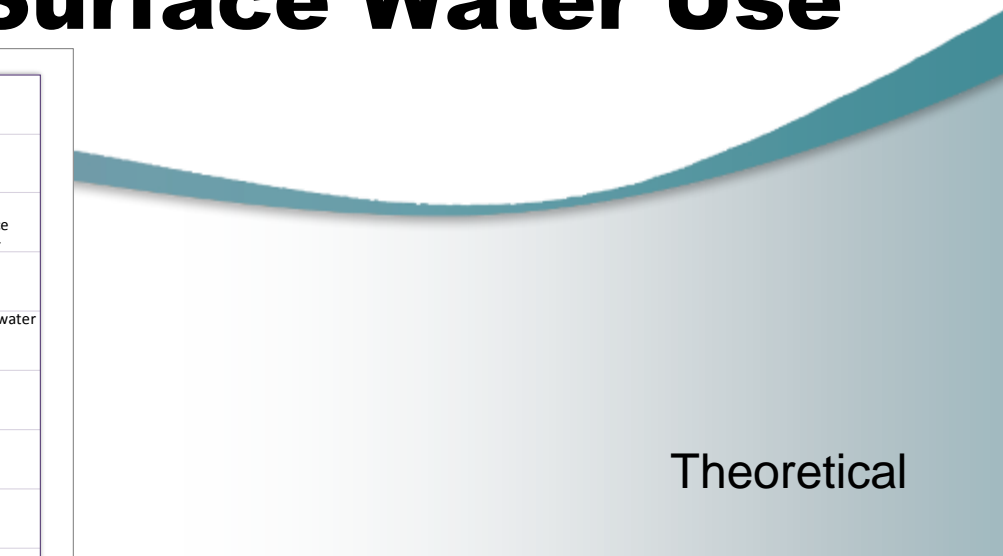
ABCWUA Water Resources Management Update

October, 2012

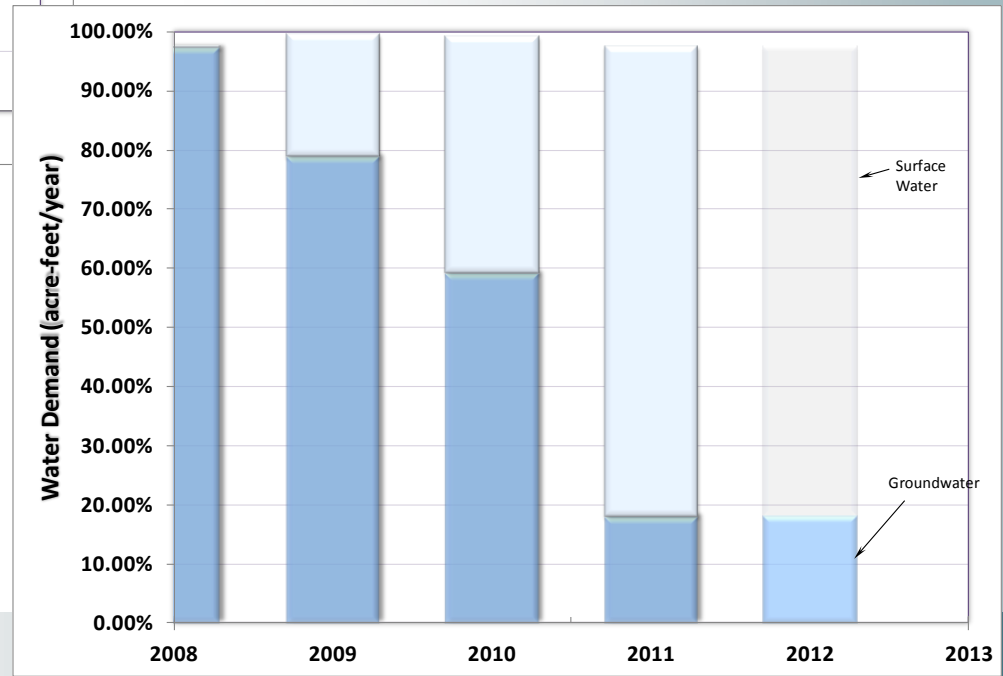
DWP – Groundwater and Surface Water Use



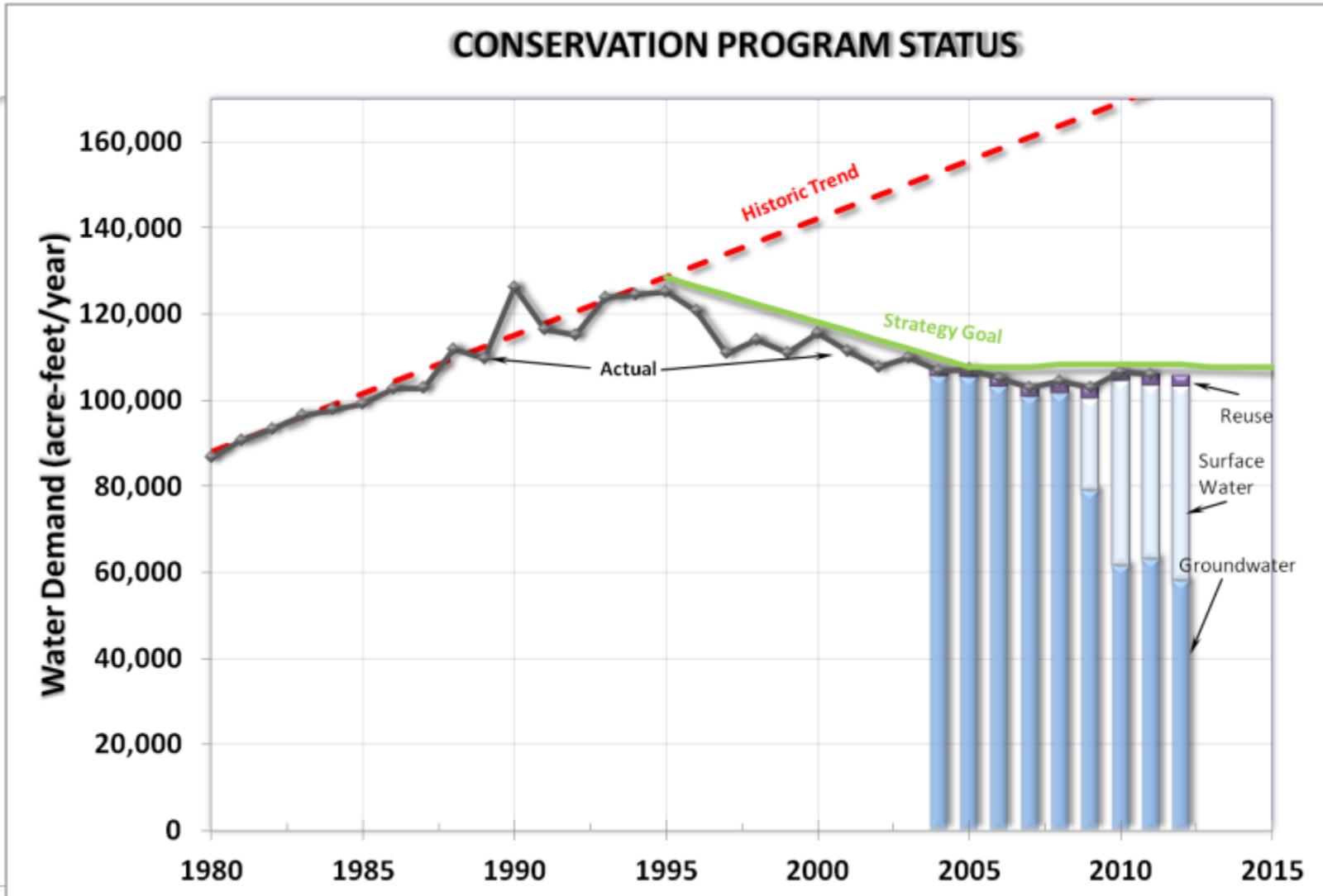
Actual



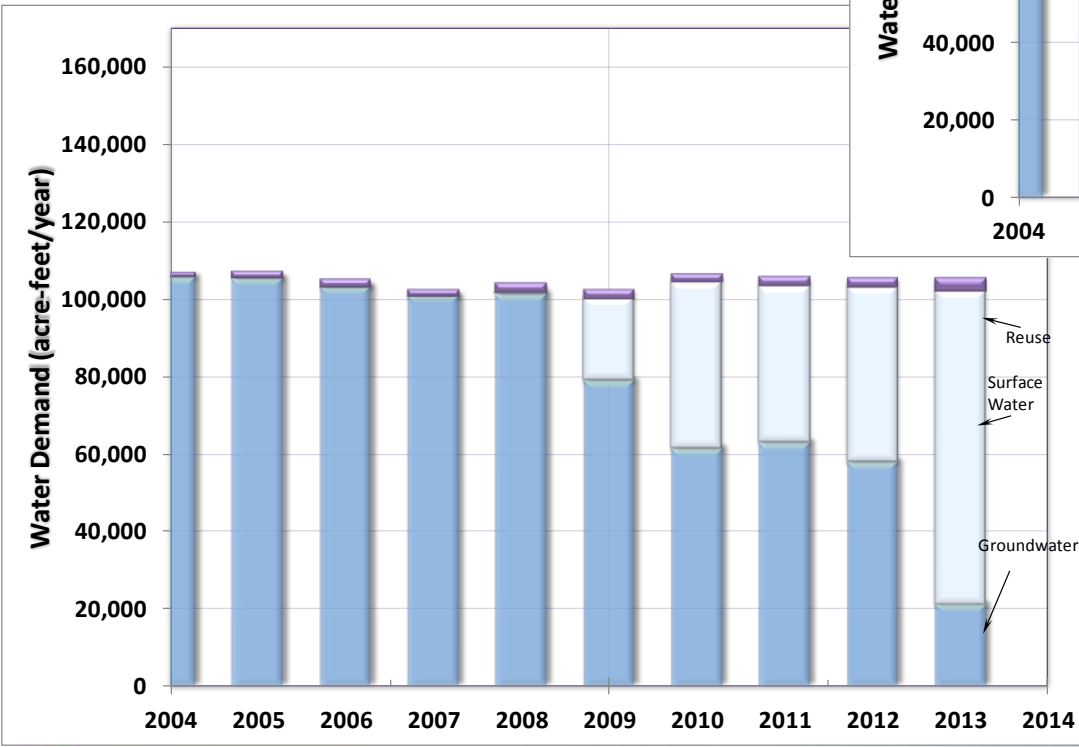
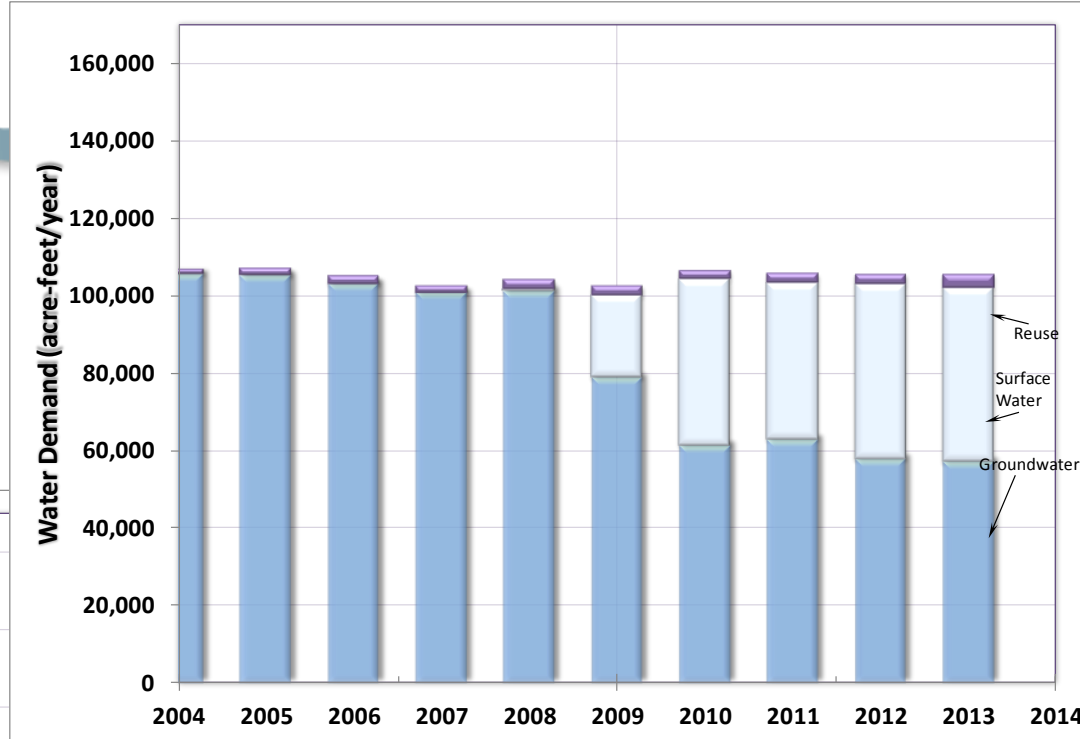
Theoretical



Overall Water Usage-



2013 Projected Use -



Drought

Full Operation

Agency Roles in Water Management

- Water Agencies

- OSE
- *Interstate Stream Commission*
- *Reclamation*
- *Corps*
- *Fish and Wildlife Service*



- Federal Agency Coordination – BLM, USBR, Corps

- *River Management*
- *Rafting Releases*

Storage (AF)

- Heron Reservoir – 190,000
- El Vado – 30,000
- Abiquiu – 160,570
 - 153,000 ac-ft of Authority SJC Water
- Elephant Butte – 113,000
 - 25,000 ac-ft Authority SJC Water
 - 58,000 ac-ft NM compact credit water*
 - *Note – after Reclamation has applied evaporative loss, commissioner's reports for 2011 not accepted
 - More than 150,000 ac-ft relinquished by NM not yet captured
 - 30,000 ac-ft Project storage**
 - **Note – need 400,000 in combined storage to avoid article 7 conditions



2012 and 2013 Water Scenarios

2012 Water Year

- 2012 – first year essentially only SJC water below Angostura in June
- Storage did not improve in 2012
- Forecast uncertain for 2013
- 400 kaf required for MRGCD storage of native

2013 Water Scenarios

- Normal Water Year
 - MRGCD may be able to store
 - August/September exhaustion of storage (resume operation in November)
- Above Normal Year
 - Perhaps more storage than under “Normal” year with some drought management
 - September/October exhaustion of storage (resume operation in November)
- Below Normal Year
 - MRGCD has little to no carry over storage, storage of drought management water only
 - July/August exhaustion of storage (resume operation in November)



ESA Collaborative Program

An aerial photograph of a wide river with a bridge crossing it. The river is surrounded by lush green trees and vegetation. In the foreground, there is a large, circular concrete structure, possibly a water treatment facility or a reservoir, with some equipment and pipes. The background shows a highway with several lanes and some buildings.

● Background

- *Made up of USBR, Corps, MRGCD, State of New Mexico, Santa Fe, FWS and other entities*
- *Required to consult on activities that may affect species and critical habitat*
- *Biological Opinion for Federal and non-federal operations (operates under 2003 BO)*
 - *2003 BO expires in March 2013 re-consulting on new BO*

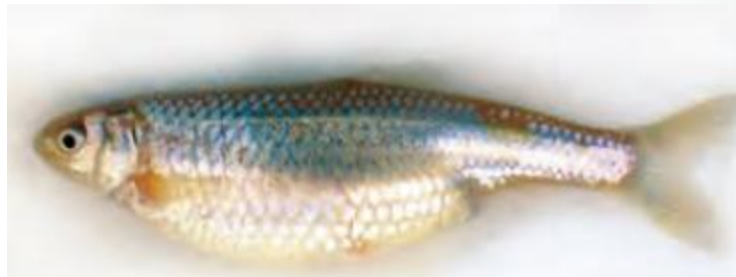
● Water Authority's Participation

- *Lease of Authority SJC water, when available – 10,000 ac-ft last month*
- *Storage space in Abiquiu, when available, for environmental pool – historically critical to supplying supplemental water for ESA*

ESA Collaborative Program

- Outlook for 2013 Biological Opinion

- *Drought Conditions persist – need for additional supplemental water*
- *Limited irrigation supplies – MRGCD and EBID*
- *San Juan-Chama Water only water in storage end of 2013*
- *May need to contemplate storage closer to Abq and lower reach of MRG*
- *Potential Litigation*



Water Authority State Engineer Permits

- Ground Water

- *RG -960 et al.*
- *RG-4462 (former NMUI)*

- Surface Water

- *SP-4819 (non-potable)*
- *SP-4830 (DWP)*

- ASR

- *DP-26 (ASR)*

BEFORE THE NEW MEXICO STATE ENGINEER

IN THE MATTER OF THE APPLICATION BY |
CITY OF ALBUQUERQUE PUBLIC WORKS | Hearing No. 62-817
DEPARTMENT TO DIVERT SURFACE |
WATER FROM THE RIO GRANDE BASIN | OSE File No. 4830
OF NEW MEXICO |

REPORT AND RECOMMENDATION
OF THE HEARING EXAMINER

This matter came on for hearing before Victor Kovach, the State Engineer's designated Hearing Examiner, on December 3 through December 6 and December 9 through December 13, 2002, in Santa Fe, New Mexico, and on February 24 through February 27, 2003, in Albuquerque, New Mexico. The parties appeared as follows: Jay F. Stein, Esq., and James C. Brockman, Esq., represented the Applicant City of Albuquerque Public Works Department; Peter Thomas White, Esq., Mary Humphrey, Esq., and Connie Odek, Esq., represented Protestants Antigos Bravos, Rio Grande Restoration, New Mex. New Mexico Public Interest Research Group (NMPRI), Socorro 3 Conservation District (SSWC), John Carangelo, and the Assessment Plan the MRGCD (hereinafter referred to collectively as the "Coalition Protester D. Text, Esq., represented the Water Resource Allocation Program (WR of the State Engineer (OSE). An appearance, at the beginning of the by Lester K. Taylor, Esq., for the Pueblo of Inlet, Gary Hornar, Esq., for Inc., and Ray A. Garcia, pro se.

Having considered the pleadings and evidence of record, the H recommends the following Findings and Order.

FINDINGS

1. The State Engineer has jurisdiction of the parties and subject ma
2. On May 15, 2001 and again on June 26, 2001, the City of Albuquerque Works Department filed Application No. 4830 with the State Engi divert surface water from the Rio Grande for municipal, indu

RECOMMENDED CONDITIONS OF APPROVAL

1. This application is approved as follows:

Permittee: City of Albuquerque

Permit No. RG-960 et al.

Priority: June 23, 1993, for the 12000 acre-ft per year of assessment discussed authorized under the Permit.

Source: Groundwater of the Rio Grande Basin

Points of Diversion: The City of Albuquerque permitted to divert, consist of:

Point	Location	Diversion	Flow	Rate	Priority
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Questions?

