

DROUGHT, WATER USE AND ANNUAL OPERATING PLAN

Water Authority Board

May 21, 2014



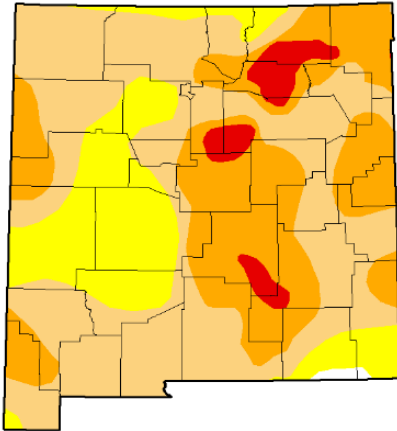
Albuquerque Bernalillo County
Water Utility Authority

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



January 14, 2014
(Released Thursday, Jan. 16, 2014)
Valid 7 a.m. EST

	Drought Conditions (Percent Area)					
	None	D0-D1	D1-D2	D2-D3	D3-D4	D4
Current	0.39	96.61	79.94	33.13	3.97	0.00
Last Week 5/20/14	0.39	96.61	79.58	32.98	3.96	0.00
3 Months Ago 9/15/13	1.04	98.19	74.58	37.69	3.36	0.00
Start of Calendar Year 1/1/14	0.39	99.61	75.21	32.86	3.96	0.00
Start of Water Year 10/1/13	1.06	98.34	74.92	37.81	3.36	0.00
One Year Ago 1/14/13	0.00	100.00	90.45	92.97	31.78	0.97

Intensity:

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

The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. See accompanying text summary for forecast statements.

Author:
Eric Liebeherr
U.S. Department of Agriculture



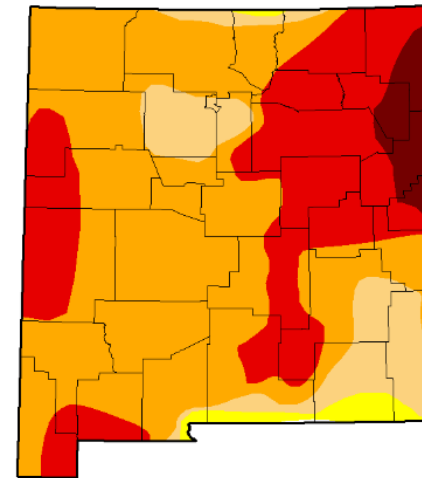
<http://droughtmonitor.unl.edu/>

Drought Summary

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U.S. Drought Monitor New Mexico



May 13, 2014
(Released Thursday, May. 15, 2014)
Valid 8 a.m. EDT

	Drought Conditions (Percent Area)					
	None	D0-D1	D1-D2	D2-D3	D3-D4	D4
Current	0.00	99.91	97.58	88.22	30.29	4.47
Last Week 5/6/14	0.00	99.91	97.47	88.19	30.28	4.47
3 Months Ago 2/15/14	0.41	99.59	95.09	48.44	12.93	0.00
Start of Calendar Year 1/1/14	0.39	99.61	75.21	32.86	3.96	0.00
Start of Water Year 10/1/13	1.06	98.34	74.92	37.81	3.36	0.00
One Year Ago 5/13/13	0.00	100.00	99.04	97.93	81.69	44.14

Intensity:

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D1 Moderate Drought
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The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. See accompanying text summary for forecast statements.

Author:
Mark Svoboda
National Drought Mitigation Center

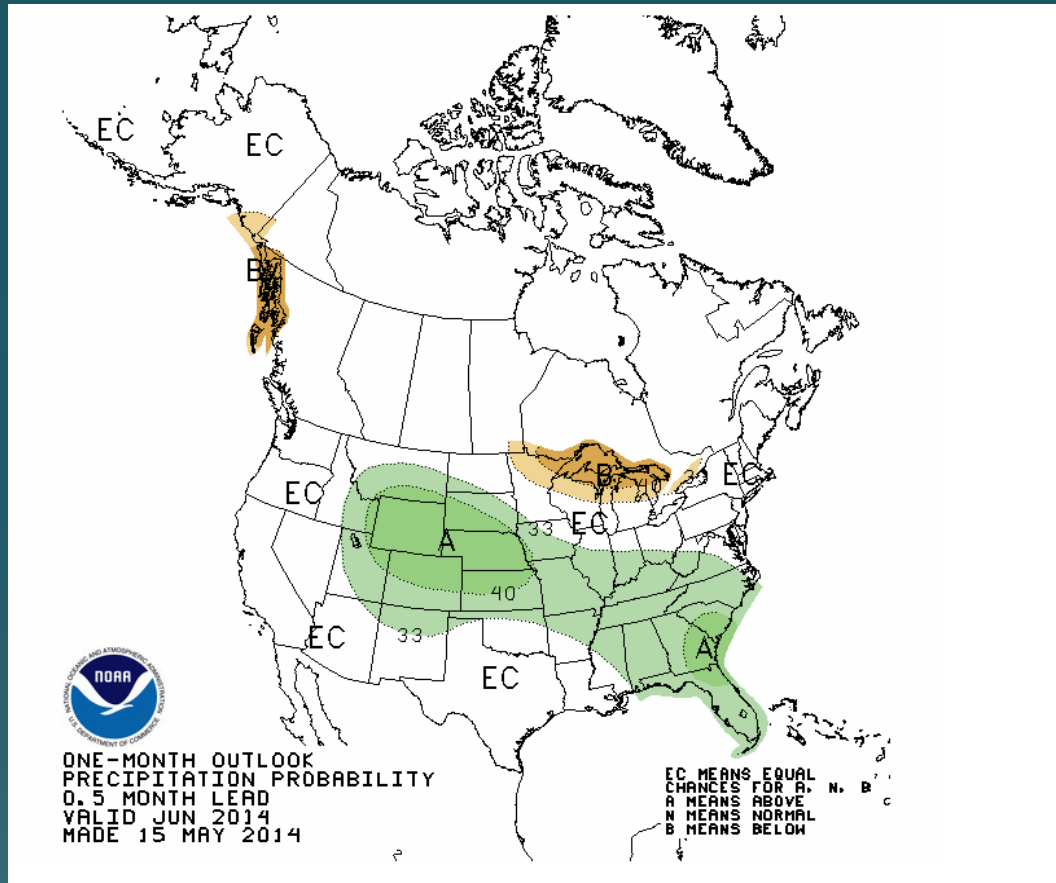


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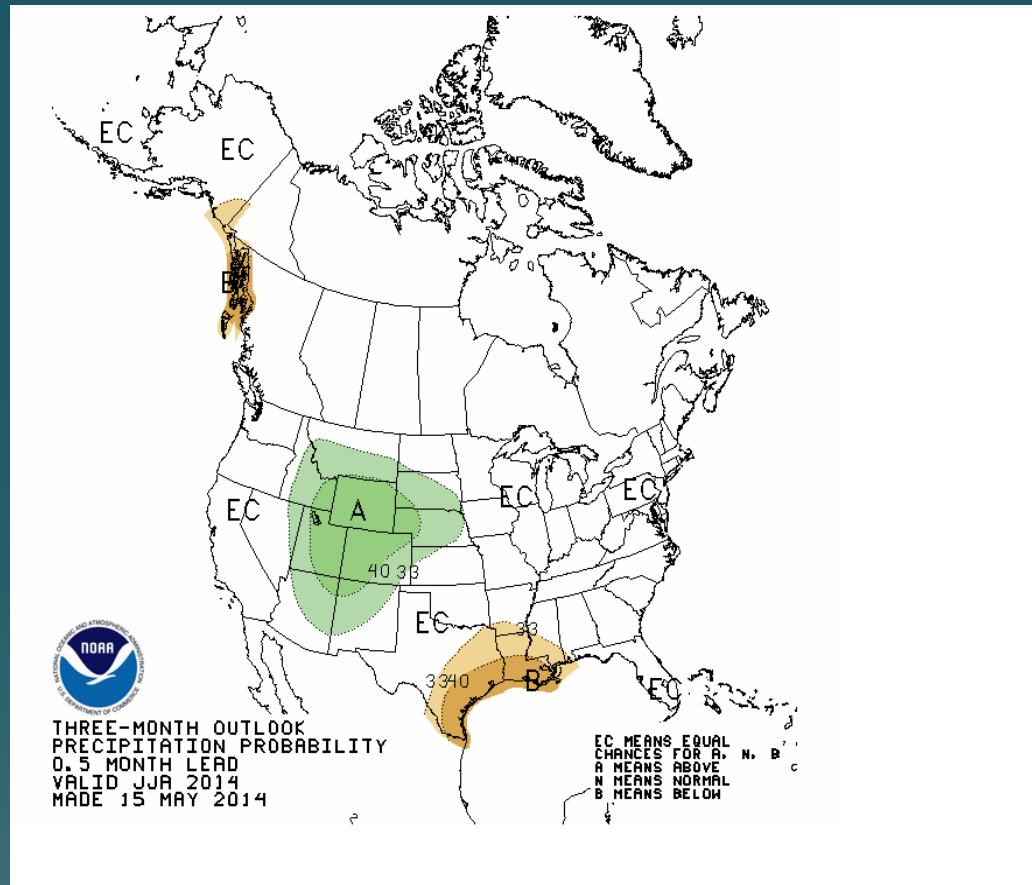
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NOAA Precipitation: June



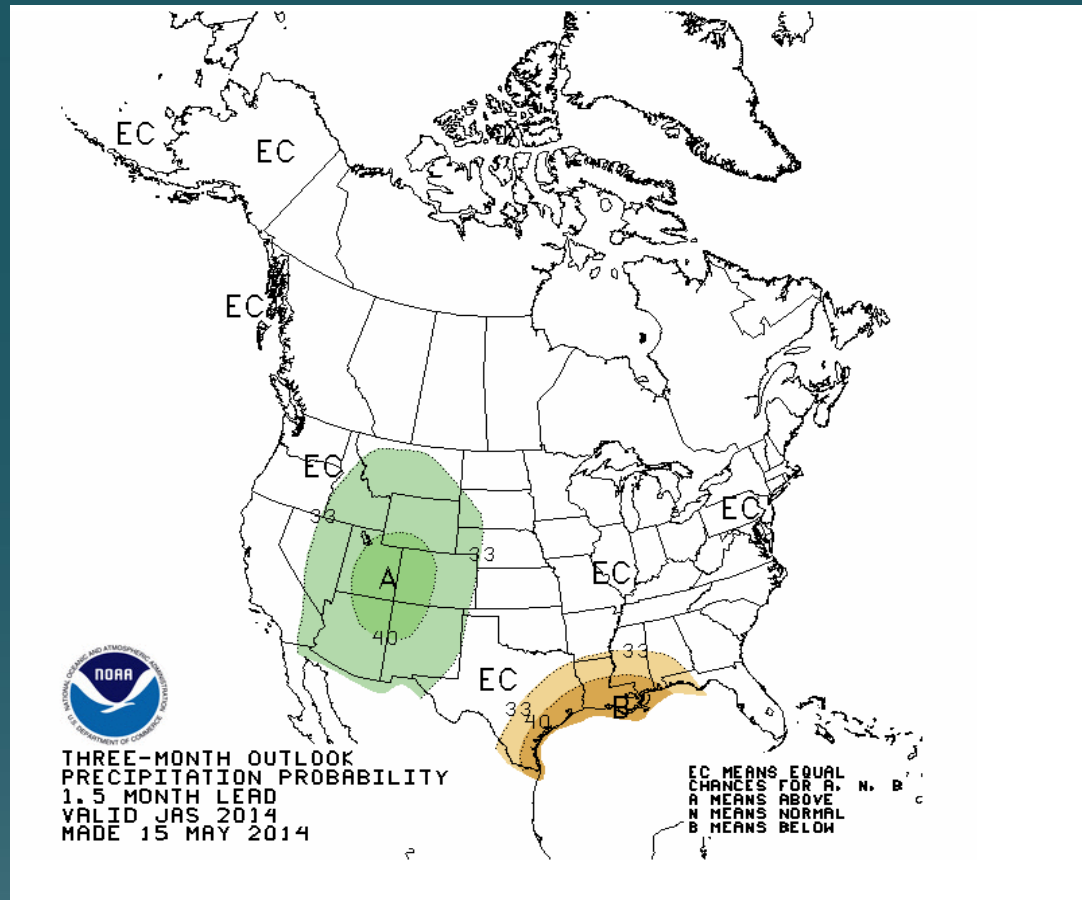
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NOAA Precipitation Predictions: June, July, August



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NOAA Precipitation Predictions: July, August, September



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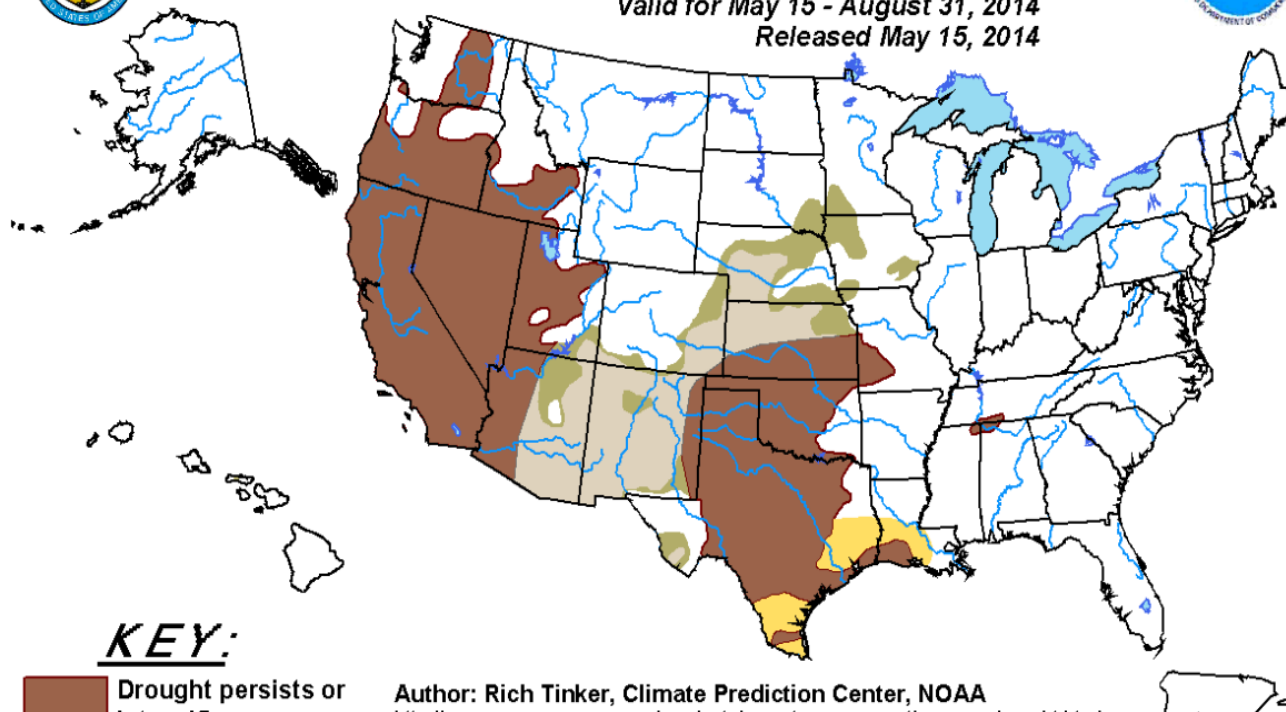


U.S. Seasonal Drought Outlook





Drought Tendency During the Valid Period

Valid for May 15 - August 31, 2014

Released May 15, 2014



KEY:

-  Drought persists or intensifies
-  Drought remains but improves
-  Drought removal likely
-  Drought development likely

Author: Rich Tinker, Climate Prediction Center, NOAA

http://www.cpc.ncep.noaa.gov/products/expert_assessment/season_drought.html

Depicts large-scale trends based on subjectively derived probabilities guided by short- and long-range statistical and dynamical forecasts. Short-term events -- such as individual storms -- cannot be accurately forecast more than a few days in advance. Use caution for applications -- such as crops -- that can be affected by such events. "Ongoing" drought areas are approximated from the Drought Monitor (D1 to D4 intensity).

For weekly drought updates, see the latest U.S. Drought Monitor.

NOTE: The tan area areas imply at least a 1-category improvement in the Drought Monitor intensity levels by the end of the period although drought will remain.

The Green areas imply drought removal by the end of the period (D0 or none)

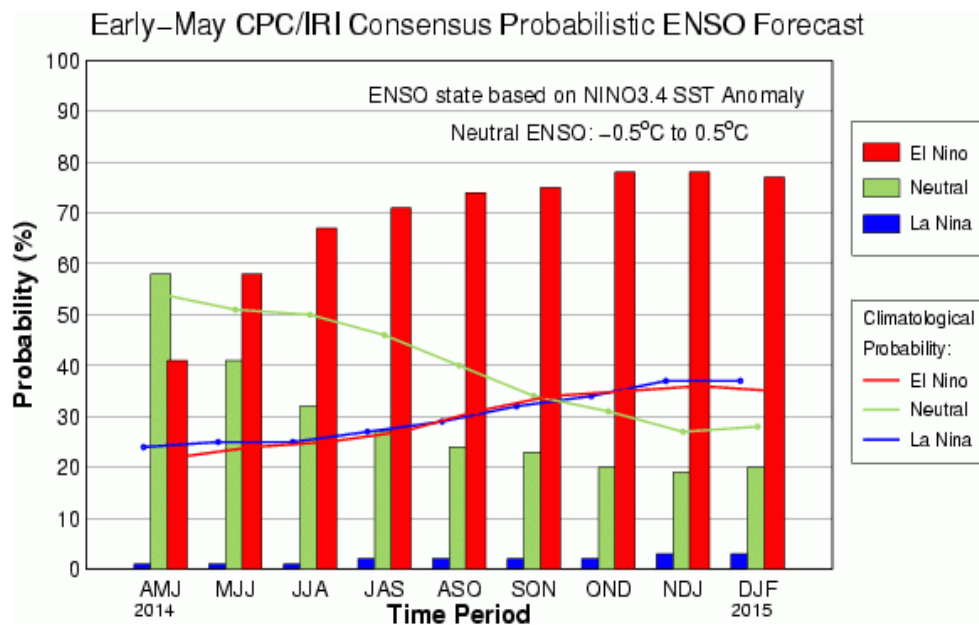


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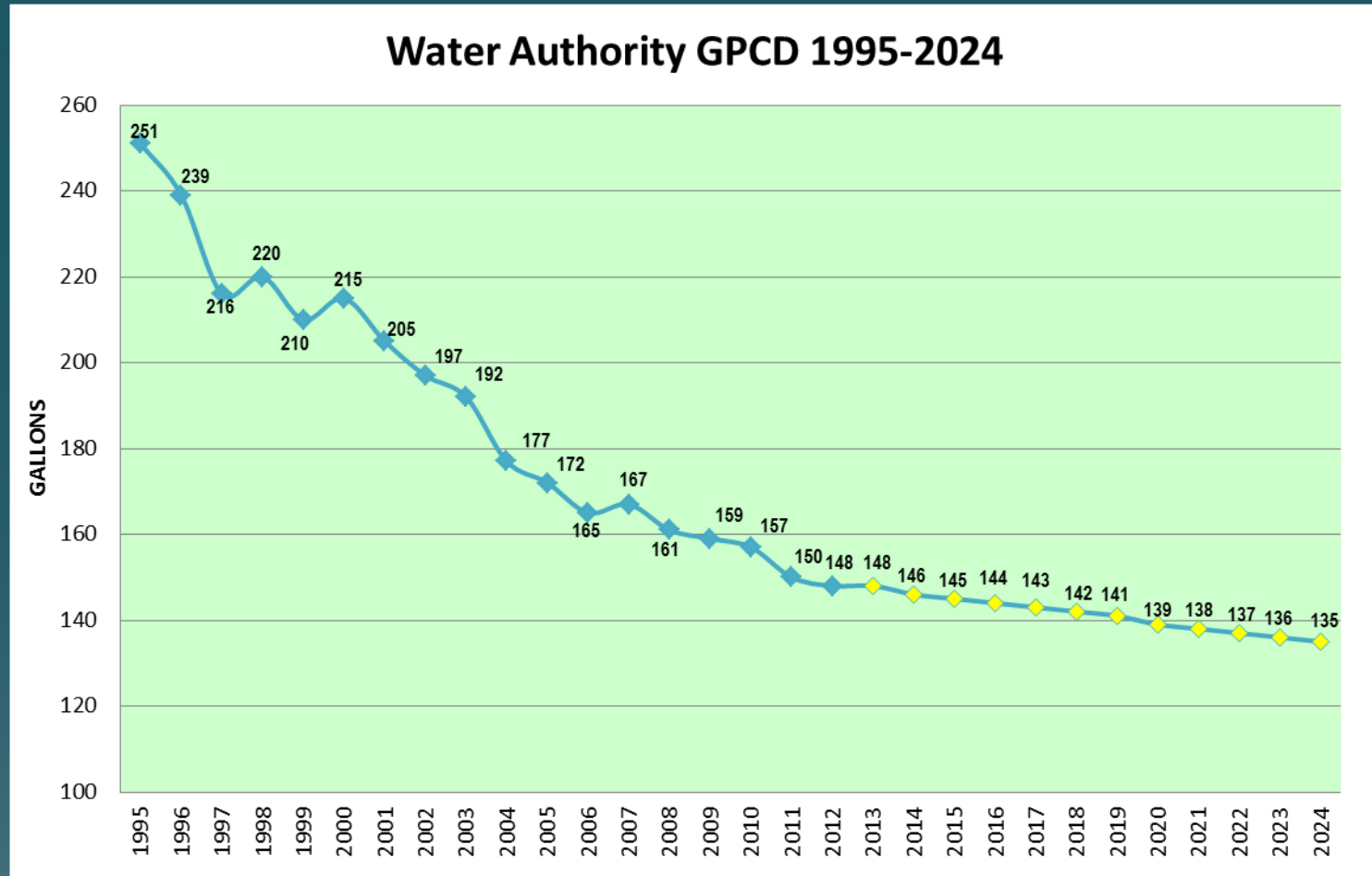
Monthly Predictions for Development of El Niño Conditions

Special Hydrologic/Climate Features

1. CPC forecasters continue to indicate neutral ENSO conditions strongly trending to El Niño conditions during the summer. An El Niño watch remains in effect, with forecasters predicting a greater than 65% chance of El Niño conditions developing this summer.

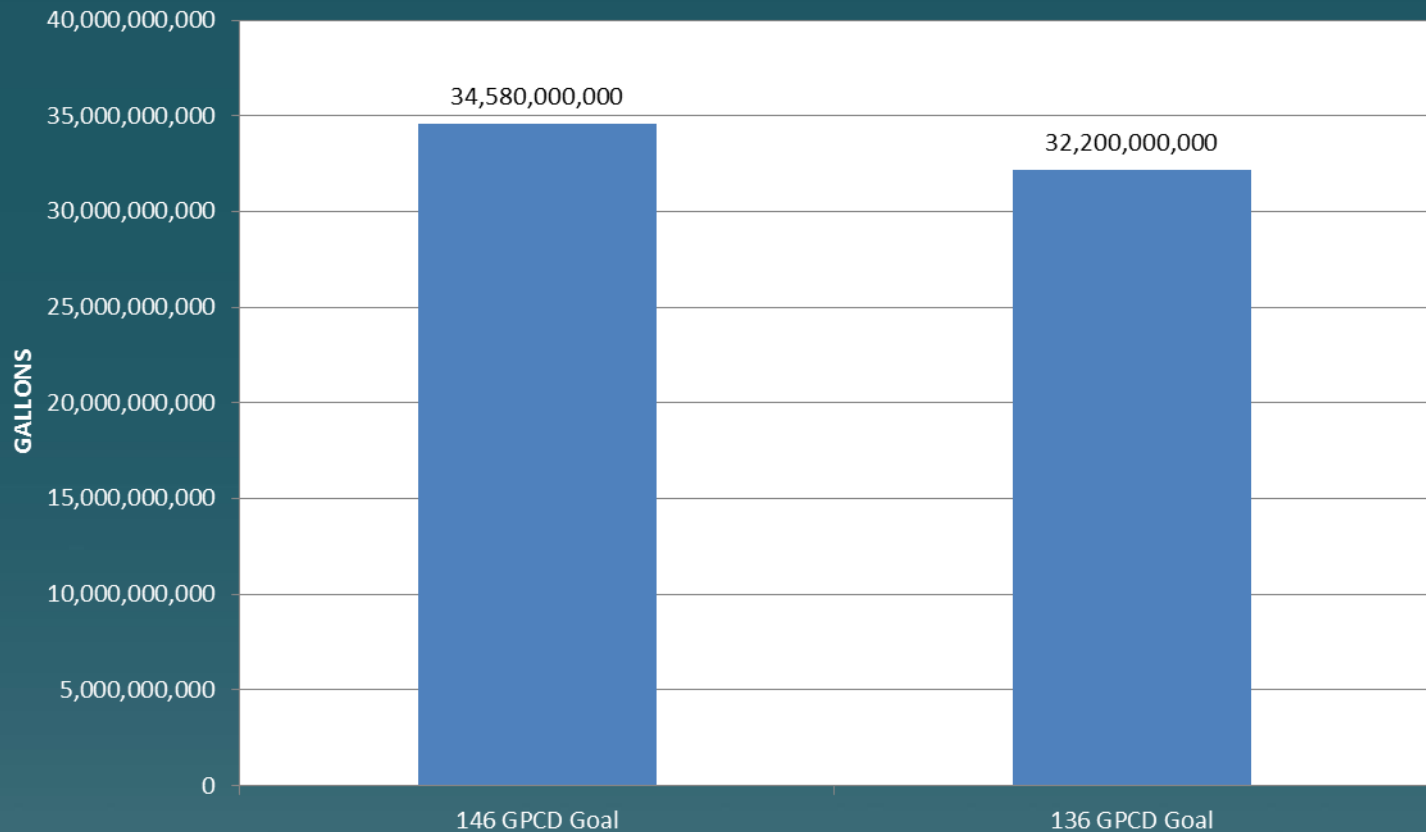


Annual Goals from Conservation Plan



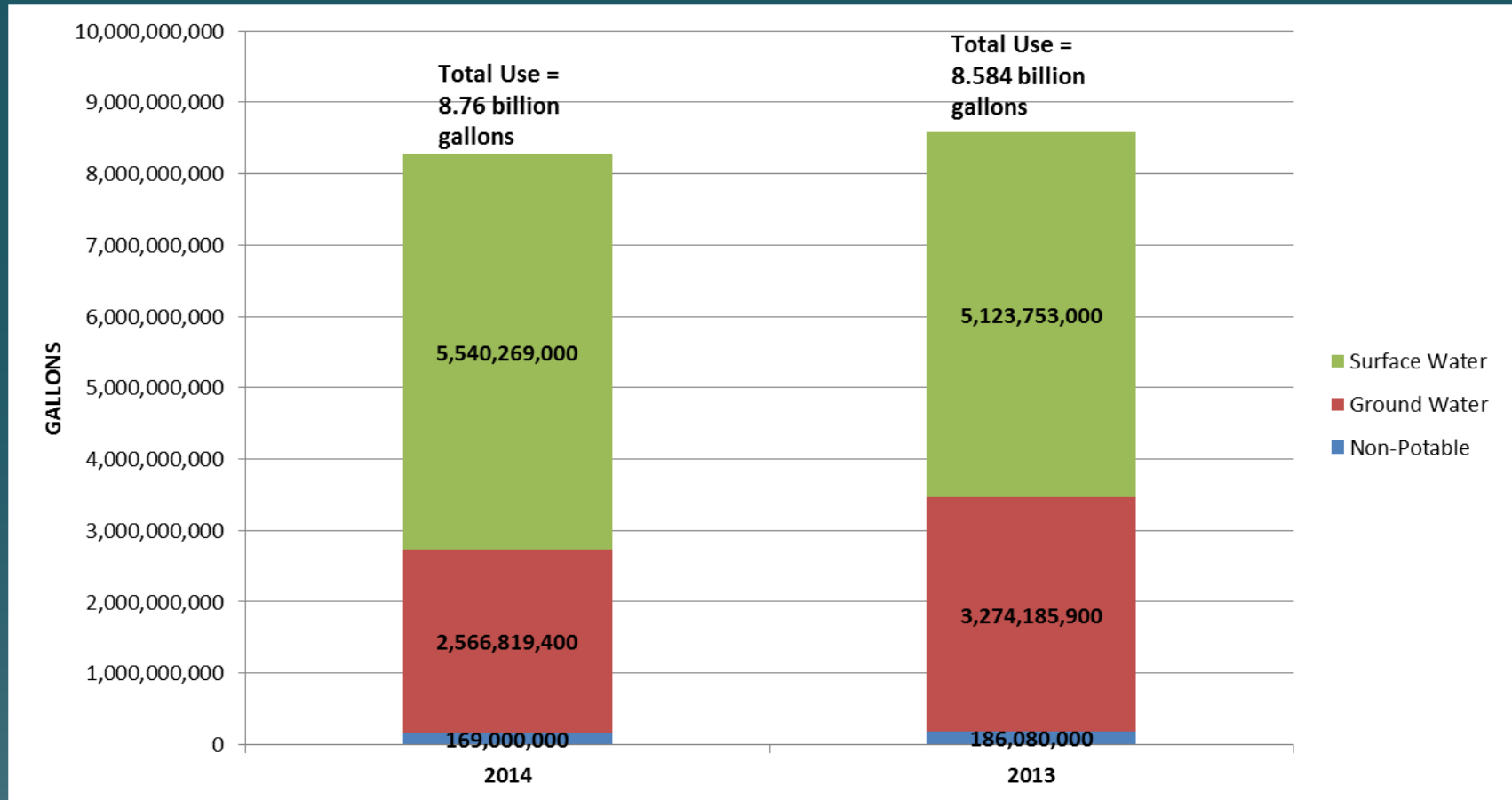
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Annual Water Use to Achieve Conservation Goals



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Water Use 2014 vs 2013 (Goal Year)



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Drought Stage Criteria Chart

Groundwater Pumping /GPCD	Less than 120% of the GW pumping goal	Between 120% and 130% of GW pumping goal	Between 130% and 140% of GW pumping goal	More than 140% of the GW pumping goal
< 2 GPCD over the goal	None	None	None	Stage 1
2-4 GPCD over the goal	None	Stage 1	Stage 1	Stage 2
4-6 GPCD over the goal	None	Stage 1	Stage 2	Stage 3
> 6 GPCD over the goal	Stage 1	Stage 2	Stage 3	Stage 3

Drought Stage Key
Drought Advisory
Drought Watch
Drought Warning
Drought Emergency



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Drought Advisory

Entered into whenever the majority of Bernalillo County is in Severe Drought according to the National Weather Service regardless of water use. Public education increased immediately, does not require approval of the Board.



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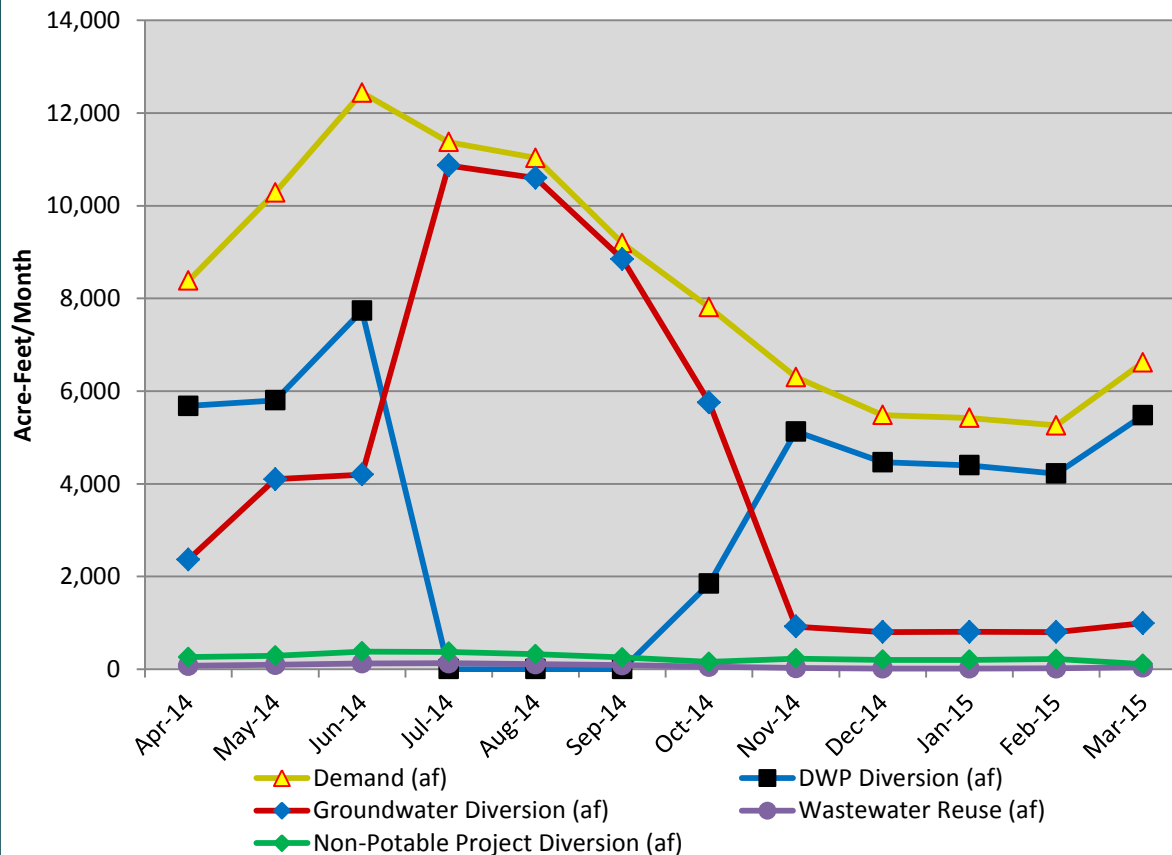
Annual Operating Plan

Projected Water Authority Monthly Diversions from April 1, 2014 through March 31, 2015

Month	Drinking Water Project (af)	Groundwater (af)	Non-Potable Project (af)	Wastewater Reuse (af)	Total Monthly Demand (af)
Apr-14	5,682	2,365	261	75	8,383
May-14	5,800	4,100	292	96	10,288
Jun-14	7,736	4,200	380	125	12,441
Jul-14	0	10,870	375	128	11,373
Aug-14	0	10,600	321	110	11,031
Sep-14	0	8,850	254	87	9,191
Oct-14	1,845	5,755	157	54	7,811
Nov-14	5,128	921	228	24	6,301
Dec-14	4,466	803	200	14	5,483
Jan-15	4,400	805	203	15	5,423
Feb-15	4,219	804	218	20	5,261
Mar-15	5,476	993	111	38	6,618



Annual Operating Plan



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