

MOJAVE BASIN AREA WATERMASTER

FOR
CITY OF BARSTOW, ET AL., VS. CITY OF ADELANTO, ET AL.,
CASE NO. 208568 - RIVERSIDE COUNTY SUPERIOR COURT

MEMORANDUM

Date: March 28, 2018

To: Tom McCarthy, Executive Officer

From: Valerie Wiegenstein, Watermaster Services Manager

Cc: William J. Brunick, Watermaster Legal Counsel
Robert C. Wagner, Watermaster Engineer

Re: Sustainable Groundwater Management Act (SGMA)
Required Watermaster Reporting by April 1, 2018

BACKGROUND

Pursuant to the Sustainable Groundwater Management Act (SGMA) requirements for adjudicated basins, as described in California Water Code Section 10720.8(f), the Mojave Basin Area Watermaster is preparing to submit the annual reporting information for Water Year 2016-17. The initial annual reporting requirements for adjudicated basins are due to the California Department of Water Resources (DWR) by April 1, 2018 and include the following:

- General Watermaster information and contact information
- Judgments pertaining to the adjudicated area
- Other judicial orders or decrees entered by the court on or before April 1, 2018
- Groundwater elevation data, if collected by Watermaster
- Groundwater extractions from the previous Water Year
- Surface water supply used for or available for groundwater recharge or in-lieu use
- Total water use
- Change in groundwater storage
- Watermaster Annual Report for Water Year 2016-17 (Oct. 1, 2016 to Sept. 30, 2017)

The annual reporting requirements will be submitted using the DWR Adjudicated Basin Annual Reporting System. This is a password secured, online submission system, accessible at <http://sgma.water.ca.gov/adjudbasins>. The DWR Adjudicated Basin Annual Reporting System facilitates the submission of all reporting requirements for adjudicated basins and consists of a standardized reporting template to enter all of the required information, including the ability to upload supporting documents and reports. The standardized reporting template includes sections to upload specific required information as well as optional information for reporting under the SGMA legislation.

This memorandum describes all of the information that Watermaster proposes to submit to DWR using the Adjudicated Basin Annual Reporting System on behalf of the Watermaster to satisfy the 2016-17 Water Year reporting requirements of the Mojave Basin Area Watermaster. If the information is not required, it is specified as such within this memorandum.

WATERMASTER INFORMATION, JUDGMENT AND OTHER JUDICIAL ORDERS

The following information and digital documents will be submitted in the Watermaster Information section of the DWR Adjudicated Basin Annual Reporting System. The DWR Adjudicated Basin Annual Reporting System language is in ***bold italics*** and the proposed information for submittal is shown in regular text.

Adjudicated Area Information

Adjudicated Area Name: Mojave Basin Area

Court Case Information:

Name: City of Barstow, et al v. City of Adelanto, et al, Riverside County Superior Court
Number: Case No. 208568
Date: January 10, 1996

Bulletin 118 Groundwater Basins:

- 7-19 Lucerne Valley
- 6-43 El Mirage Valley
- 6-42 Upper Mojave River Valley
- 6-41 Middle Mojave River Valley
- 6-40 Lower Mojave River Valley
- 6-47 Harper Valley
- 6-37 Coyote Valley
- 6-89 Kane Wash Area
- 6-38 Caves Canyon Valley

Submit electronic copy of your governing final judgment and any amendments.

The following digital documents were submitted for the first year reporting cycle (2014-15) and do not need to be re-submitted every year:

- Judgment After Trial – City of Barstow, et al v. City of Adelanto, et al, Riverside County Superior Court Case No 208568. Signed January 10, 1996. Including Appendix A
- Appellate Court Opinion, June 1996
- Supreme Court Decision, August 2000
- Amendment to Judgment After Trial entered January 10, 1996 and Order Thereon – City of Barstow, et al v. City of Adelanto, et al, Riverside County Superior Court Case No 208568, December 2002.
- Watermaster Rules and Regulations

Submit a zipped shapefile of your Watermaster adjudication boundary.

This item is optional. A shapefile of the Mojave Basin adjudicated boundary including Subarea boundaries was submitted for the first year reporting cycle (2014-15) and does not need to be re-submitted every year.

Additional Info--Website: <http://www.mojavewater.org/watermaster.html>

Watermaster Office Information

Watermaster Office Name: Mojave Basin Area Watermaster
Address: 13846 Conference Center Drive
City: Apple Valley, CA
Zip: 92307

Phone: 760-946-7000
Fax: 760-240-2642
Office Email: Watermaster@mojavewater.org

Point of Contact Information

Point of Contact Name: Valerie Wiegenstein, Watermaster Services Manager
Address: 13846 Conference Center Drive
City: Apple Valley, CA
Zip: 92307
Phone: 760-946-7000
Email: vwiegenstein@mojavewater.org

WATER DATA FOR WATER YEAR 2016-17

The following Mojave Basin Area Water Year 2016-17 data and digital documents will be submitted.

(A) Groundwater elevation data unless otherwise submitted pursuant to Section 10932.

Is water level data submitted to the CASGEM Program? Yes, Mojave Water Agency (MWA) submits water level data to CASGEM. Water level data used by Watermaster is collected by MWA and USGS.

Does the Watermaster collect or receive additional groundwater levels? No

Does this Watermaster measure groundwater levels? No

(B) Annual aggregated data identifying groundwater extraction for the preceding water year.

Total Groundwater Extraction (AF): 155,480 AF

Groundwater extraction data were collected from all parties and verified by Watermaster for Water Year 2016-17. Groundwater extractions are the same as total water use and represent the sum of total water pumped by parties to the Mojave Basin Area Judgment, estimates for Minimal Producers not under the Judgment, as well as natural phreatophyte water use in the basin. Recycled water is considered a source of supply to the basin.

Method used to determine (if available):

The submittal of this information is optional, the following information will be submitted:

<i>Method</i>	<i>Volume (AF)</i>	<i>Explanation</i>	<i>Uncertainty</i>
<i>Meters</i>	103,557		Low
<i>Electrical records</i>	28,292		Low
<i>Land use</i>	7,631	Includes small producers under the Judgment and Minimal Producers not subject to the Judgment.	Medium
<i>Other method</i>	16,000	Scientific Investigation by CDFW and USGS – Phreatophyte Use	Low

Groundwater Extraction by water use sector (if available):

The submittal of this information is optional; the following information will be submitted:

<i>Sector</i>	<i>Volume (AF)</i>	<i>Explanation</i>	<i>Uncertainty</i>
Urban	94,519	Judgment (87,442) Minimals (7,077)	Low
Agriculture	33,025	See Table 5-2	Low
Managed Wetlands¹	16,000	Natural Phreatophyte use pursuant to Judgment.	Low
Other sector²	11,936	Recirculated Water (see Appendix L, Table 1A)	Low

1. Natural Phreatophyte water use in the basin pursuant to the Judgment. This is not supplied by pumped groundwater but is included in the water balance.
2. Recirculated Water pumped pursuant to the Judgment as reported in Appendix L, Table 1A, minus water reused by the Spring Valley Lake Country Club, Spring Valley Lake Association, CDFW-Mojave Narrows Park and Kemper Campbell Ranch (Verde Ranch Group producers) and Jess Ranch Water Company (2,971 acre-feet).

(C) Surface water supply used for or available for use for groundwater recharge or in-lieu use.

Surface Water Supply (AF): 152,049 AF

Method used to determine: See Annual Report Chapters 3 & 5

Water available for recharge or in-lieu use by source type (if available):

The submittal of this information is optional; the following information will be submitted:

<i>Source Type</i>	<i>Volume (AF)</i>	<i>Explanation</i>	<i>Uncertainty</i>
Local Surface Deliveries	57,434	Gaged inflow (Including CSD)	Low
Local Imported Deliveries	3,773	LACSD plus BBARWA	Low
State Water Project Deliveries	18,680	Recharge only, see notes below	Low
Other	72,162	Ungaged water supply plus return flow	Low

Local surface deliveries include USGS gaged surface water inflow at the Deep Creek gage (Station No. 10260500) and the West Fork Gage (Station No 10260950) as well as Crestline Sanitation District's (CSD) wastewater imports delivered at Las Flores Ranch. Local imported deliveries include Lake Arrowhead Community Services District (LACSD) wastewater imports of 1,062 AF and Big Bear Area Regional Wastewater Agency wastewater imports of 2,711 AF. State Water Project deliveries include 15,415 AF delivered to the Alto Subarea, 1,989 AF delivered to the Centro Subarea and 1,276 AF delivered to the Baja Subarea for recharge. There were direct deliveries of SWP water by MWA of 6,722AF and 892 AF to power plants at Southern California Logistics Airport and Kramer Junction which are not included in the total water supply amount. Other supply includes ungaged water supply, deep percolation of precipitation and sub-surface inflow of 27,023 AF and return flow from production of 45,139 AF. (See Chapter 3 and Table 5-2.)

(D) Total Water Use (report water use in the basin as data is available and/or as reported in the annual report)

Total Water Use (AF): 155,480

Method used to determine: The submittal of this information is optional. Groundwater extraction data were collected from all parties and verified by Watermaster for Water Year 2016-17. Groundwater extractions are the same as total water use and represent the sum of total water pumped by parties to the Mojave Basin Area Judgment, estimates for Minimal Producers not under the Judgment, as well as natural phreatophyte water use in the basin. Recycled water is considered a source of supply to the basin.

Total Water Use by water use sector (if available):

The submittal of this information is optional. The same information submitted under groundwater extractions is the same as total water use. (See Section B. Groundwater Extractions)

Water Use met by source type:

The submittal of this information is optional. The following information will be submitted:

<i>Type</i>	<i>Volume (AF)</i>
Groundwater	155,480

(E) Annual change in groundwater storage

Change in storage (AF): -166

Method used to determine: The change in storage during Water Year 2016-17 was determined by the Watermaster Engineer and is reported in Table 3-2 of the Annual Report and described in Chapter 3, State of the Basin and is based on the water balance method.

Time period for change: **Start date:** 10/1/2016 **End date:** 9/30/2017

(F) The annual report submitted to the court.

Please submit an electronic (PDF preferred) copy of your Annual Report.

The most recently published Mojave Basin Area Watermaster Annual Report for Water Year 2016-17 (dated May1, 2018) will be submitted.

Please submit additional reports or documents.

The submittal of this information is optional. We will submit this documentation memorandum.