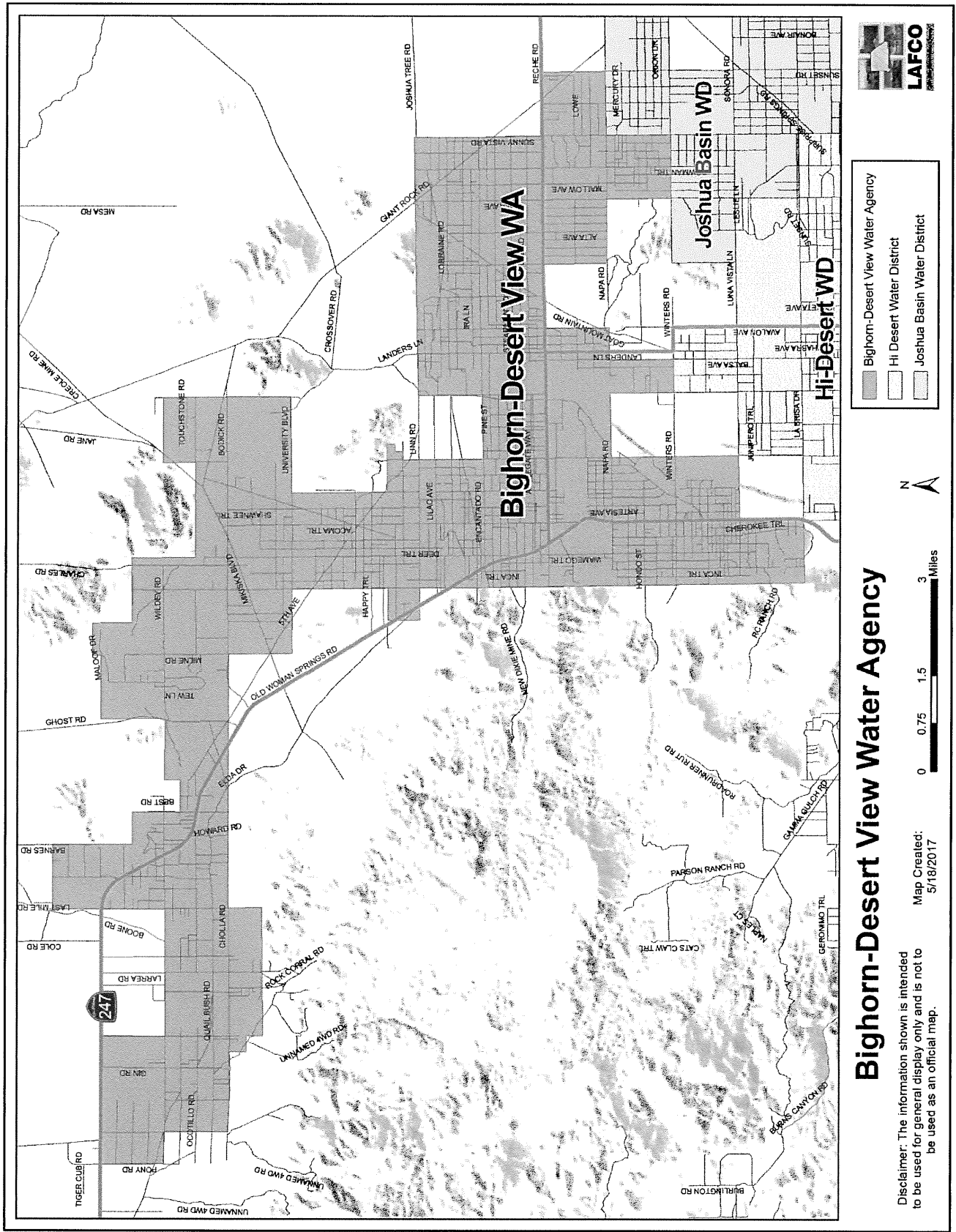


APPENDIX E-2
South Desert Service Review Update
City and District Updates



Bighorn - Desert View Water Agency Flamingo Heights, Landers, Johnson Valley

Agency Information			
Principal Act	Bighorn Mountains Water Agency Law (Statutes 1969, Chapter 1175, P. 2273) Water Code Appendix, Section 112-1 to 54	Year Formed	1990 ¹
Governance	5-member Board of Directors	Square Miles	52
Website	http://www.bdvwa.org/	2015 Population	4,116

LAFCO Authority	
Authorized Functions	Water
Previous service review	http://www.sbclafco.org/Proposals/ServiceReviews/SouthDesertRegion/HomesteadValley.aspx

Infrastructure				
Supply	Groundwater. 2 distinct water systems (by DDW permit). BDVWA: 6 active wells with a capacity of 3067gpm). Improvement District: 3 active wells with a capacity of 797 gpm			
Storage	2 distinct water systems (by DDW permit). BDVWA: 10 reservoirs (one serving Johnson Valley water hauling station) with a capacity of 2.4 MG. Improvement District: 3 reservoirs with a capacity of 0.62 MG.			
Distribution	2 distinct water systems (by DDW permit). BDVWA: 108 miles of distribution pipeline; 7 pressure zones; 3 booster stations; 14 pressure reducing stations. Improvement District: 50 miles of pipeline; 3 pressure zones; 1 booster station; 5 pressure reducing stations.			
Connections	Within Boundary	Outside Boundary/Within Sphere	Outside Sphere	Total
BDVWA	1,608	-	-	1,608
Imp. Dist.	492			492

Typical Monthly Residential Water Bill (3/4" meter, 15 ccf), as of 1 July 2016			
Meter Charge	Consumption Charge	Surcharge	Total
\$27.50	\$22.50	--	\$50.00 ²

Cash Flows	2011	2012	2013	2014	2015
Increase (Decrease) in					
Cash & Equivalents	\$57,818	\$120,262	(\$137,550)	\$457,225	(\$178,019)
Cash & Equivalents, End of Year	\$762,219	\$882,481	\$744,931	\$1,202,156	\$1,024,137

Sources: Mojave Water Agency 2015 UWMP, Consumer Confidence Report (2015); financial statements, sanitary survey report, rate sheet, agency website, LAFCO files

¹ In 1990, the Bighorn Mountains Water Agency and the Desert View Water District consolidated into the Bighorn-Desert View Water Agency.

² Assumes Accounts 01-06

Bighorn - Desert View Water Agency Additional Information

In the Ames Valley and Johnson Valley regions, the Bighorn-Desert View Water Agency ("BDVWA") has implemented two of its major Water Infrastructure Improvement Projects identified in its latest Water Master Plan. The projects are the Ames/Reche Groundwater Storage and Recovery Program and a Groundwater Management Plan. Local groundwater is currently the sole source of its water supply, but BDVWA has an annual ten percent capacity in the Morongo Basin Pipeline and has been purchasing, for "advanced storage", approximately 25% of its annual consumer demand of State Water Project water from the Mojave Water Agency ("MWA").

BDVWA was the Lead Agency alongside MWA as a Responsible Agency on these projects with the while Hi-Desert Water District and San Bernardino County Service Area No. 70 as cooperative partners who will benefit through participation in the groundwater storage and recovery program.

Senate Bill 246 (Fuller)

In 2013 Governor Jerry Brown signed into law SB 246 (Fuller) which is a complete modernization (re-write and re-organization) of the 1991 version of the BDVWA enabling Act, the "Bighorn Mountains Water Agency Law". As noted by the Senate Rules Committee, "According to the author's office, this bill helps clarify and reorganize the law that established the Bighorn-Desert View Water District within San Bernardino County. This update and modernization should provide more transparency and accountability to ratepayers in that District".

Agency Recognition/Awards

In response to the draft service review, the Agency has identified the following awards and recognitions:

- District Award of Transparency CA Special Districts Association (2 year program/2nd year awarded)
- District Award of Distinction CA Special Districts Association (Initially awarded 12/2016)
- Certificate of Achievement for Excellence in Financial Reporting / Comprehensive Annual Financial Report (CAFR) for 7 consecutive Years
- Clair A. Hill Award for Water Agency Excellence 2015

Annexation

In 2015 San Bernardino LAFCO issued a Certificate of Completion for LAFCO 3181 – Reorganization to include Annexations to the Bighorn-Desert View Water Agency; Dissolution of County Service Area 70 Zone W-1 and Formation of an Improvement District of the Bighorn-Desert View Water Agency: Improvement District Goat Mountain. This action was effective July 1, 2015 and resulted in an increase of the Agency's customer base by

30% or 650 metered connections generally located in the eastern portion of Landers. The Agency now provides water service to approximately 1998 active residential customers, 461 infrequent/inactive customers, and 102 bulk-hauling customers within its service area.

As of July 1, 2015 the Agency annexed the area of the former CSA 70 Zone W-1 (now BDVWA Improvement District Goat Mountain) but the systems remain physically disconnected and therefore operate under a separate Water Supply Permit issued by the State Water Resources Control Board. The Agency is hopeful that a planning grant to evaluate physical system consolidation will one day be awarded by the State Water Resources Control Board.

Bulk Hauled Water

In 2016 SB 1263 (Wieckowski) was signed into law. The bill prohibits a city or county from issuing a building permit for a new residential development when the proposed water supply is bottled water, transported by a water hauler, or provided by a water vending machine or a retail water facility. Adherence to these parameters will limit new development within the Johnson Valley area for the future as it has no current mechanism for providing an organized retail water system for water delivery.

The Agency has provided the following explanation of its actions regarding bringing a retail water system to Johnson Valley:

Attempts to bring a pressurized water system were first evaluated in 1967 by Albert A. Webb & Assoc. on behalf of the proposed Johnson Valley County Water District Committee. The JV County Water District was never formed and eventually JV became part of the Bighorn Mountains Water Agency service area. Since that time the Agency has actively engaged in its mission to provide water to its service area. The following summarizes activities to date:

- In 1994, a Community Development Block Grant was awarded and the Agency executed a Maintenance and Operations Agreement (No. 94-340) for the construction of a community well in JV. In 1995, an Addendum was issued to the original Agreement and the County Special Districts Department began construction of the well in 1996 and Notice of Completion was filed in 1998. The Agency committed contractually to operation and maintenance of the well for 10 years from the Notice of Completion. The ten year commitment has expired but the Agency continues to maintain Well No. 10.*
- In 2005, an EPA State and Tribal Assistance Grant was awarded which provided for 55% funding for Johnson Valley Hydrologic Investigation ("JVHI"). The basis for the award was to perform additional studies to better define the characteristics of the basin for the benefit of the region. This project includes the construction of an 8-inch diameter test well.*
- In April 2007, the Agency received the final report entitled, Basin Conceptual Model and Assessment of Water Supply and Demand for the Ames Valley, Johnson Valley and Means Valley Groundwater Basins. The conceptual Model Report suggests that there are approximately 900 acre feet of unused water in that basin lost to evaporation*

annually. Previous studies indicate that there is adequate groundwater storage and available groundwater storage capacity for a conjunctive use project such as a recharge project.

- *In 2008, the Agency received federal authorization under the Water Resources Development Act (WRDA) for \$15 million to assist in the construction of a water system in JV and to interconnect it with the existing B-zone of the Agency. To date, no WRDA Authorizations have been distributed. This was the Agency's attempt to obtain grant funding to bring a pressurized system to Johnson Valley.*

In December 2010, the Board of Directors authorized staff to proceed with completion of the JVHI using the EPA Grant funds remaining. In April 2011, Board of Directors authorized staff to actively seek a willing property seller for the location of the JVHI test well. In July 2011, Board authorizes purchase of 5-acres of real property for locating the JVHI test well. In November 2011, Board of Directors authorizes the execution of a Professional Services Agreement with Daniel B. Stephens & Associates for the completion of the JVHI test well. The contract total is \$171,000 with EPA providing matching grant funds.

The Agency anticipated water would be found at 250 feet. They drilled to 460 feet. Using the mud rotary method there is no way to know the actual depth to water so the well was designed based on both field conditions and the Conceptual Model Report. Unfortunately, at this location the well could not sustain any production therefore water quality samples could be obtained either. Prior to the completion of the well and knowing that the cost of a system was extremely high staff developed several alternatives to a full scale pressurized system: "satellite" systems and individual private wells. However, when the first well failed to produce water it led to the realization that development of "satellite" water systems (a single well serving a "batch" of nearby homes as a starting point) or even providing a funding mechanism for a multitude of private home wells was problematic if each owner could not be guaranteed flow and quality. Water well capacity and quality across the Johnson Valley area have only been studied "conceptually".

- *BDVWA has contributed a considerable amount of monetary resources, both grant and non-grant to evaluate pressurized water supply deliver to Johnson Valley. The Johnson Valley properties contribute only a fraction of the total 1% General Tax to the Agency and thus further exploration and project development are too cost prohibitive without funding from either a grant or from the community that will benefit.*

To that end, in 2014 the Board of Directors adopted a resolution in support of the 2014 Mojave Water Agency Integrated Regional Management Plan. As a stakeholder the Agency participated actively in the development of the plan which includes a number of proposed projects to meet the long-term goals of Bighorn-Desert View Water Agency. These projects include a Johnson Valley Pressurized Water System.

City of Needles

Needles

Agency Information			
Principal Act	Government Code Title 4 - §34000	Year Formed	1913
Governance	City Council (6 council members, mayor), charter city	Square Miles	30
Website	http://cityofneedles.com/	2015 Population	4,976

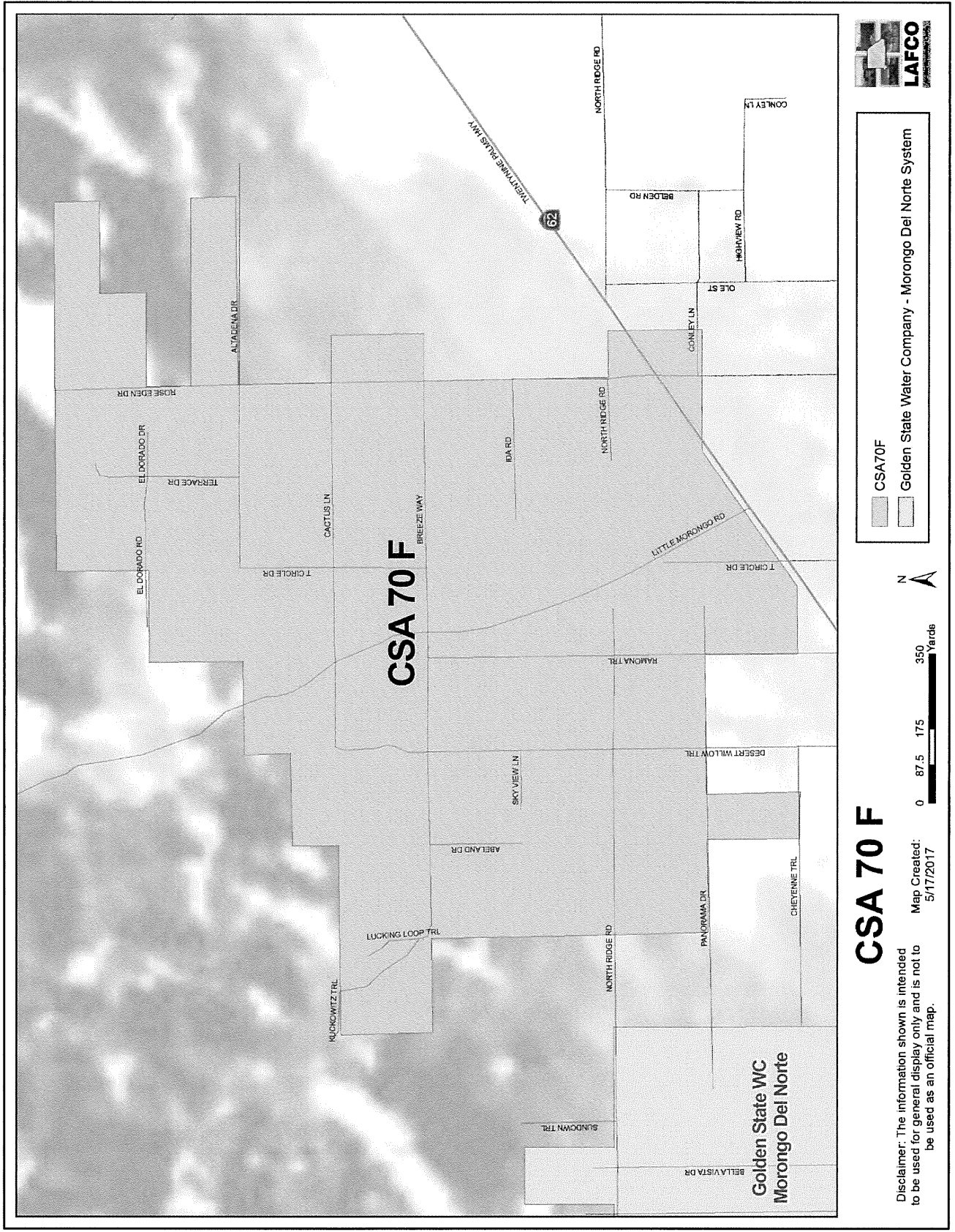
LAFCO Authority	
Authorized Functions	Full range of municipal services (except police and fire)
Previous service review	http://www.sbclafco.org/Proposals/ServiceReviews/SouthDesertRegion/Needles.aspx

Infrastructure				
Supply	Groundwater (4 wells, capacity of 6.48 MG)			
Storage	4 storage tanks with combined capacity of 4.5 million gallons			
Distribution	66 miles of distribution lines, 2 booster stations			
Connections	Within Boundary	Outside Boundary/Within Sphere	Outside Sphere	Total
	1,914	-	-	1,914

Typical Monthly Residential Water Bill (3/4" meter, 15 ccf), as of 1 July 2016			
Meter Charge	Consumption Charge	Surcharge	Total
\$38.49	\$27.75	-	\$66.24

Cash Flows, Public Utility Authority	2011	2012	2013	2014	2015
Increase (Decrease) in Cash & Equivalents	(\$1,639,075)	\$1,688,964	\$1,070,259	\$30,059	(\$864,891)
Cash & Equivalents, End of Year	\$2,058,742	\$3,747,706	\$4,817,965	\$4,848,024	\$3,983,133

Sources: City's website; CA Department of Finance/Demographic Research Unit; City of Needles Water Department



County Service Area 70 F Morongo

Morongo Valley

Agency Information			
Principal Act	County Service Area Law Gov. Code Title 3, Div. 2, Part 2, Ch. 2.5 - §25210 et seq.	Year Formed	1971
Governance	San Bernardino County Board of Supervisors	Square Miles	0.6
Website	http://www.specialdistricts.org	2015 Population	290 (approx.)

LAFCO Authority	
Authorized Functions	Water
Previous service review	http://www.sbclafco.org/Proposals/ServiceReviews/SouthDesertRegion/MorongoValley.aspx

Infrastructure				
Supply	3 wells (capacities of 80, 100, and 180 gpm)			
Storage	2 storage tanks (combined capacity of 270,000 gallons)			
Distribution	2" - 8" steel and PVC distribution lines, 1 pressure zone, 1 booster pump station			
Connections	Within Boundary	Outside Boundary/Within Sphere	Outside Sphere	Total
	84	-	-	84

Typical Residential Water Bill (3/4" meter, 15 ccf), as of 1 July 2016			
Monthly Meter Charge	Monthly Water Consumption Charge	Surcharge	Total
\$58.78	\$49.85	-	\$108.63

Cash Flows	2011	2012	2013	2014	2015
Increase (Decrease) in Cash & Equivalents	\$21,048	\$59,975	(\$90,260)	\$50,156	\$87,955
Cash & Equivalents, End of Year	\$277,706	\$337,681	\$247,421	\$297,577	\$385,532

Sources: Consumer Confidence Report (2015); County Special Districts Department website; financial statements, sanitary survey report, rate sheet

County Service Area 70 W-3 Hacienda Heights

Morongo Valley

Agency Information			
Principal Act	County Service Area Law Gov. Code Title 3, Div. 2, Part 2, Ch. 2.5 - §25210 et seq.	Year Formed	1976
Governance	San Bernardino County Board of Supervisors	Square Miles	1.5
Website	http://www.specialdistricts.org	2015 Population	567

LAFCO Authority	
Authorized Functions	Water
Previous service review	http://www.sbclafco.org/Proposals/ServiceReviews/SouthDesertRegion/MorongoValley.aspx

Infrastructure				
Supply	2 wells (capacities of 185 and 350 gpm)			
Storage	3 storage tanks (combined capacity of 310,000 gallons)			
Distribution	2" – 8" steel and PVC distribution lines, 2 booster zones, 2 pressure zones			
Connections	Within Boundary	Outside Boundary/Within Sphere	Outside Sphere	Total
	165	-	-	165

Typical Residential Water Bill (3/4" meter, 15 ccf), as of 1 July 2016			
Monthly Meter Charge	Monthly Water Consumption Charge	Surcharge	Total
\$43.93	\$34.01	-	\$77.94

Cash Flows	2011	2012	2013	2014	2015
Increase (Decrease) in Cash & Equivalents	\$26,244	\$67,218	(\$55,547)	\$85,189	\$75,368
Cash & Equivalents, End of Year	\$183,343	\$250,561	\$195,014	\$280,203	\$355,571

Sources: Consumer Confidence Report (2015); County Special Districts Department website; financial statements, sanitary survey report, rate sheet

County Service Area 70 W-4

Pioneertown

Agency Information			
Principal Act	County Service Area Law Gov. Code Title 3, Div. 2, Part 2, Ch. 2.5 - §25210 et seq.	Year Formed	1980
Governance	San Bernardino County Board of Supervisors	Square Miles	1.1
Website	http://www.specialdistricts.org	2015 Population	350

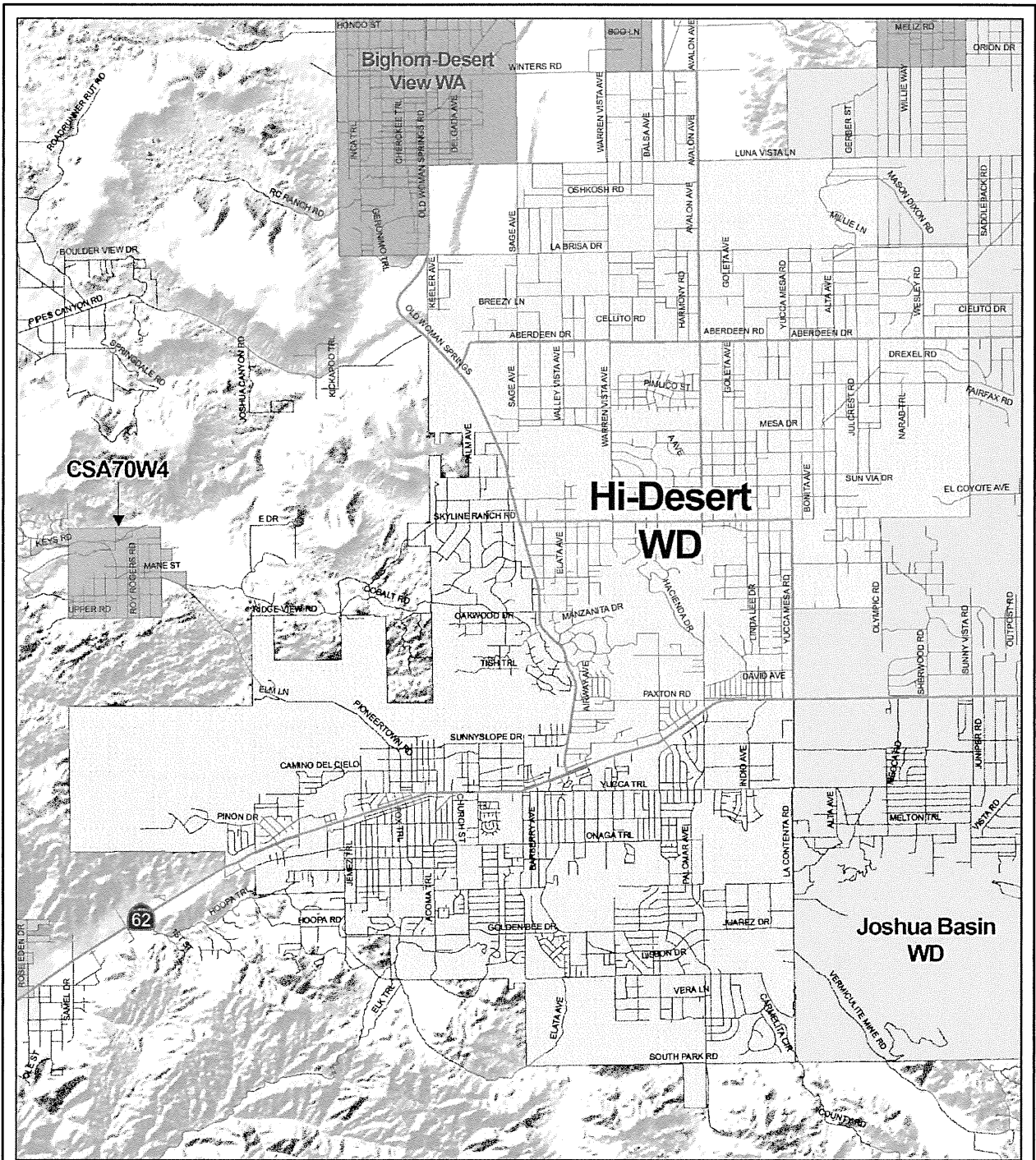
LAFCO Authority	
Authorized Functions	Water
Previous service review	http://www.sbclafco.org/Proposals/ServiceReviews/SouthDesertRegion/YuccaValley.aspx

Infrastructure				
Supply	Groundwater (9 vertical wells, 4 inactive, total 76 gpm)			
Storage	200,000 gallon and 110,000 gallon steel bolted storage tanks			
Distribution	4" – 8" steel and asbestos cement distribution lines			
Connections	Within Boundary	Outside Boundary/Within Sphere	Outside Sphere	Total
	120	-	-	120

Typical Residential Water Bill (3/4" meter, 15 ccf), as of 1 July 2016			
Monthly Meter Charge	Monthly Water Consumption Charge	Surcharge	Total
\$39.00	\$104.30	--	\$143.30

Cash Flows	2011	2012	2013	2014	2015
Increase (Decrease) in Cash & Equivalents	(\$28,292)	\$54,930	\$168,871	(\$208,986)	\$57,745
Cash & Equivalents, End of Year	\$121,693	\$176,623	\$345,494	\$136,508	\$194,253

Sources: Consumer Confidence Report (2015); County Special Districts Department website; financial statements, sanitary survey report, rate sheet



Hi-Desert Water District

0 0.75 1.5 3 Miles



Disclaimer: The information shown is intended to be used for general display only and is not to be used as an official map.

Map Created: 5/18/2017

- Hi Desert Water District
- Bighorn-Desert View Water Agency
- CSA70F
- CSA70W4
- Joshua Basin Water District

Hi-Desert Water District

Yucca Valley, Yucca Mesa

Agency Information			
Principal Act	County Water District Law Water Code Division 12 - §30000 et seq.	Year Formed	1962
Governance	5-member Board of Directors	Square Miles	57
Website	www.hdwd.com	2015 Population	24,520

LAFCO Authority	
Authorized Functions	Water, sewer, park and recreation
Previous service review	http://www.sbclafco.org/Proposals/ServiceReviews/SouthDesertRegion/YuccaValley.aspx

Infrastructure				
Supply	13 wells; 10 booster stations			
Storage	16 storage tanks with combined capacity of 12.66 million gallons			
Distribution	297 miles of distribution pipeline			
Connections	Within Boundary	Outside Boundary/Within Sphere	Outside Sphere	Total
	10,500	-	-	10,500

Supply & Demand, AFY	2015	2020	2025	2030	2035	2040
Supply	--	--	--	--	--	--
Demand	2,838	3,056	3,195	3,357	3,518	3,668

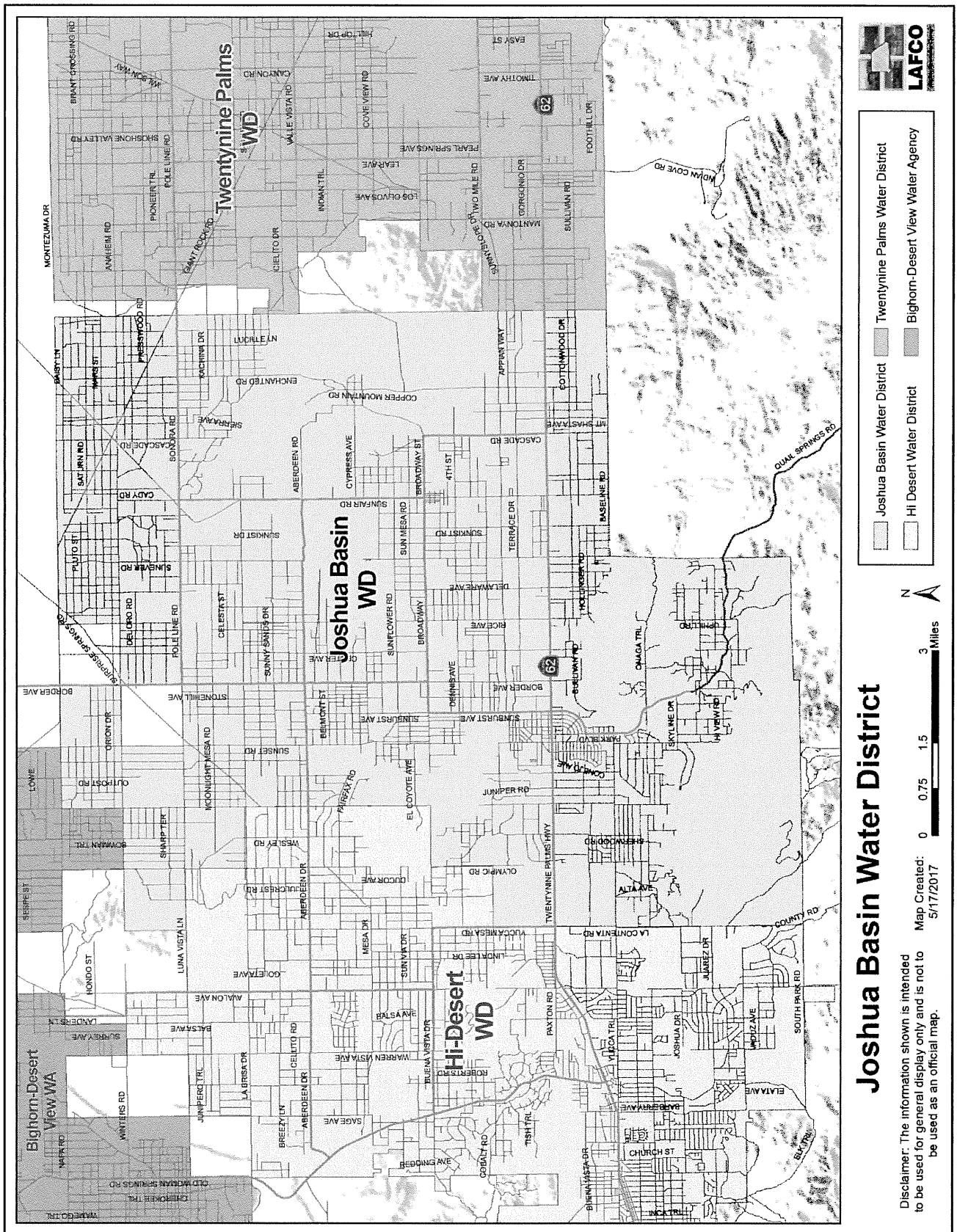
Per Capita Water Use & Conservation					
Gallons/Capita/Day Residential		Cumulative Savings (compared to 2013)	State Stress Test Summary		
Nov 16	Feb 17		Est. Annual Potable Demand	Est. Annual Total Supply for WY 2019	Current State Cons. Standard
63.5 AF	62.5 AF	3.5%	3,006 AF	15,060 AF ¹	0%

Typical Monthly Residential Water Bill (3/4" meter, 15 ccf), as of 1 July 2016			
Meter Charge	Consumption Charge	Surcharge	Total
\$23.30	\$82.95	-	\$106.25

Cash Flows	2011	2012	2013	2014	2015
Increase (Decrease) in Cash & Equivalents	(\$600,544)	\$1,310,934	\$1,094,492	\$1,134,601	\$56,436
Cash & Equivalents, End of Year	\$5,015,574	\$6,326,508	\$7,421,000	\$8,555,601	\$8,474,727

Sources: Hi-Desert Water District 2015 Urban Water Management Plan, Mojave Water Agency 2015 UWMP, Consumer Confidence Report; financial statements, sanitary survey report, rate sheet, agency website, State Water Board Stress Test and Water Conservation Targets

¹ "Total available water includes SWP deliveries (3,006 AFY); banked water (11,351 AF); and Ames Basin allocations of 703 AFY."



Joshua Basin Water District

Joshua Tree

Agency Information			
Principal Act	County Water District Law Water Code Division 12 - §30000 et seq.	Year Formed	1963
Governance	5-member board of directors, elected at large	Square Miles	97
Website	http://www.jbwd.com	2015 Population	9,830

LAFCO Authority	
Authorized Functions	Water, sewer (limited to Operation of Package Treatment and Planning)
Previous service review	http://www.sbclafco.org/Proposals/ServiceReviews/SouthDesertRegion/JoshuaTree.aspx

Infrastructure				
Supply	Groundwater and imported; 5 active wells			
Storage	17 reservoirs with 12,320,000 gallon capacity			
Distribution	1,305 fire hydrants, 4,700 water meters, a hydro-pump pressure station and several water pressure reduction stations			
Connections	Within Boundary	Outside Boundary/Within Sphere	Outside Sphere	Total
	4,493	-	-	4,493

Supply & Demand, AFY	2015	2020	2025	2030	2035	2040
Supply	1,369	1,855	1,875	1,935	1,995	2,035
Demand	1,369	1,583	1,630	1,689	1,744	1,797

Per Capita Water Use & Conservation					
Gallons/Capita/Day Residential		Cumulative Savings (compared to 2013)	State Stress Test Summary		
Nov 16	Feb 17		Est. Annual Potable Demand	Est. Annual Total Supply for WY 2019	Current State Cons. Standard
76.3 AF	83.6 AF	18.5%	1,628 AF	1,888 AF	0% ¹

Typical Monthly Residential Water Bill (3/4" meter, 15 ccf), as of 1 July 2016			
Meter Charge	Consumption Charge	Surcharge	Total
\$25.29	\$48.00	--	\$73.29

Cash Flows	2011	2012	2013	2014	2015
Increase (Decrease) in Cash & Equivalents	(539,299)	\$347,829	(\$1,827,873) ²	\$1,081,141	\$1,621,051
Cash & Equivalents, End of Year	\$5,042,018	\$5,389,847	\$3,561,974	\$4,643,115	\$6,264,166

Sources: District Urban Water Management Plan (2015), Mojave Water Agency 2015 UWMP, Consumer Confidence Report (2015); financial statements, sanitary survey report, rate sheet, agency website

¹ "The JBWD Board of Directors is considering a voluntary conservation standard that is higher than the standard calculated above. The Board will be discussing and evaluating this at their July meetings. Although nothing has been adopted or approved, preliminary indications are that the voluntary standard would be 10%."

² In 2013 the District incurred \$6,953,618 in cash expenses related to acquisition and construction of capital assets.

Twentynine Palms Water District

Twentynine Palms

Agency Information			
Principal Act	County Water District Law Water Code Division 12 - §30000 et seq.	Year Formed	1954
Governance	5 member Board of Directors, elected at large	Square Miles	87
Website	http://www.29palmswater.net/	2015 Population	18,165

LAFCO Authority	
Authorized Functions	water, sewer (limited to planning and engineering)
Previous service review	http://www.sbclafco.org/Proposals/ServiceReviews/SouthDesertRegion/TwentyninePalms.aspx

Infrastructure				
Supply	Groundwater (9 wells, capacity of 5,143 gpm)			
Storage	12 reservoirs (capacity of 17.35 MG)			
Distribution	8 pressure zones, 7 booster stations, 8 distribution zones with pipes ranging from 4" to 16"			
Connections	Within Boundary	Outside Boundary/Within Sphere	Outside Sphere	Total
	7,039	--	--	7,039

Supply & Demand, AFY	2020	2025	2030	2035	2040
Supply	6,995	6,995	6,995	6,995	6,995
Demand	4,736	5,297	5,862	6,424	6,987

Per Capita Water Use & Conservation					
Gallons/Capita/Day Residential		Cumulative Savings (compared to 2013)	State Stress Test Summary		
Nov 16	Feb 17		Est. Annual Potable Demand	Est. Annual Total Supply for WY 2019	Current State Cons. Standard
Did not file	77.0 AF	7.3%	2,791 AF	6,936 AF	0%

Typical Monthly Residential Water Bill (3/4" meter, 15 ccf), as of 1 July 2016			
Meter Charge	Consumption Charge	Surcharge	Total
\$11.63	\$20.93	--	\$32.56

Cash Flows	2011	2012	2013	2014	2015
Increase (Decrease) in Cash & Equivalents	(\$480,152)	\$601,603	(\$120,821)	\$842,074	\$1,123,016
Cash & Equivalents, End of Year	\$4,314,611	\$4,916,214	\$4,795,393	\$5,637,467	\$6,760,483

Sources: District website; District Urban Water Management Plan (2015), Mojave Water Agency 2015 UWMP, Consumer Confidence Report (2015); financial statements, sanitary survey report, rate sheet, agency website

APPENDIX F

**Listing of:
Community Water Systems,
Wholesalers, and
Joint Power Authorities**

*Countywide Service Review for Water
Appendix F - Listing*

VALLEY REGION

Community Water System, Wholesaler, or JPA	Function	Location in SB County	Approx. Pop.	Retail Connections	Area (sq. miles)	Address
Aqua Mansa Water Company c/o Elsinore Valley Municipal Water District	Wholesale water rights	Near Colton	--	--	--	31315 Chaney St Lake Elsinore, CA 92531
Beaumont Cherry Valley Water District	Retail	Yucaipa	46,314	0 in SB County	28	560 Magnolia Avenue Beaumont, CA 92223-2258
California Institute for Men – Chino	Retail	Chino	10,667	1,912	< 1.00	14901 S. Central Ave. Chino, CA 91710
California Institute for Women – Chino	Retail	Chino	2,000	1,124	< 1.00	16756 Chino-Corona Road Corona, CA 92880
Chino Basin Desalter Authority (JPA)	Purify & distribute	West Valley	1.3 million	--	300+	2151 S Haven Ave #202 Ontario, CA 91761
City of Chino	Retail	Chino	84,465	19,048	31	13220 Central Avenue Chino, CA 91710
City of Chino Hills	Retail	Chino Hills	77,596	21,491	46	14000 City Center Drive Chino Hills, CA 91709
City of Colton	Retail	Colton	45,496	10,301	14	650 N. La Cadena Drive Colton, CA 92324
City of Loma Linda	Retail	Loma Linda	23,298	5,402	10.6	25541 Barton Road Loma Linda, CA 92354
City of Ontario	Retail	Ontario	168,777	34,308	50	303 East "B" Street Ontario, CA 91764
City of Redlands	Retail	Redlands	85,276	24,864	36	35 Cajon Street Redlands, CA 92373
City of Rialto	Retail	Rialto	54,453	11,956	89	150 S. Palm Avenue Rialto, CA 92376
City of San Bernardino Municipal Water Department	Retail	San Bernardino, Muscoy	199,657	42,000	81	P.O. Box 710 San Bernardino, CA 92402
City of Upland	Retail	Upland, San Antonio Heights	75,787	18,813	16	460 N. Euclid Avenue Upland, CA 91786
Cucamonga Valley Water District	Retail	Rancho Cucamonga	200,466	50,531	47	10440 Ashford St. Rancho Cucamonga, CA 91730

*Countywide Service Review for Water
Appendix F - Listing*

Community Water System, Wholesaler, or JPA	Function	Location in SB County	Approx. Pop.	Retail Connections	Area (sq. miles)	Address
<u>Devore Water Company</u>	Retail	Devore	1,600	493	2.35	18185 Kenwood Avenue Devore, CA 92407
<u>East Valley Water District</u>	Retail	Highland	104,457	21,462	30.1	31111 Greenspot Road Highland, CA 92346
Fontana Union Water Company c/o Fontana Water Company	Wholesale water rights	Fontana	200,000	--	40+	15966 Arrow Route Fontana, CA 92335
<u>Fontana Water Company</u>	Retail	Fontana	225,300	46,426	52	15966 Arrow Route Fontana, CA 92335
<u>Golden State Water Company – Claremont</u>	Retail	Upland/Montclair	347 (SB County)	103 (SB County)	8.96	915 W Foothill Blvd, Suite E Claremont, CA 91711
<u>Inland Empire Utilities Agency</u>	Wholesale	West Valley	856,000	--	239	6075 Kimball Avenue Chino, CA 91708
Lytle Springs Water Company	Retail	Lytle Creek	475	95	0.07	3546 N Riverside Ave Rialto, CA 92376
Marygold Mutual Water Company	Retail	Bloomington	3,449	934	1.23	9725 Alder Ave Bloomington, CA 92316
Meeks and Daley Water Company c/o Elsinore Valley Municipal Water District	Wholesale water rights	Near Redlands	--	--	--	31315 Chaney St Lake Elsinore, CA 92531
<u>Metropolitan Water District of Southern California</u>	Wholesale	Area of Inland Empire Utilities Agency	856,000 (SB County)	--	239 (SB County)	700 North Alameda Street Los Angeles, CA 90012
<u>Monte Vista Water District</u>	Wholesale, retail	Montclair, Chino, Chino Hills	134,861	12,041	30	10575 Central Avenue Montclair, CA 91763
Mt. Baldy Homeowners' Association	Retail	Mt. Baldy	350	112	0.13	P.O. BOX 611 Mt. Baldy, CA 91759
Muscoy Mutual Water Company	Retail	Muscoy	7,500	1,562	2.03	2167 Darby St San Bernardino, CA 92407
Oak Glen Domestic Water Company	Retail	Oak Glen	200	35	0.38	11550 Raspberry Lane Oak Glen, CA 92399
Reche Canyon Mutual Water Company	Water rights	Colton	--	--	--	2651 Reche Canyon Rd. Colton, CA 92324
Rialto/Colton Basin Joint Powers Authority	Funding for remediation	Rialto, Fontana	260,000	--	135	P.O. Box 920 Rialto, CA 92377
<u>Riverside Highland Water Company</u>	Retail	Grand Terrace	16,007	3,964	8.35	12374 Michigan Street Grand Terrace, CA 92313

*Countywide Service Review for Water
Appendix F - Listing*

Community Water System, Wholesaler, or JPA	Function	Location in SB County	Approx. Pop.	Retail Connections	Area (sq. miles)	Address
Rocky Comfort Mutual Water Company	Retail	Mentone	100	32	0.08	1350 Orange Lane Mentone, CA 92359
San Antonio Canyon Mutual Service Company	Retail	Mt. Baldy Village	120	64	0.03	P.O. Box 631 Mt. Baldy, CA 91759-0631
<u>San Antonio Water Company</u>	Retail	Upland/San Antonio Heights	3,264	1,209	2.14	139 N. Euclid Avenue Upland, CA 91786-6036
<u>San Bernardino Valley Municipal Water District</u>	Wholesale	East Valley	691,000	--	325	380 East Vanderbilt Way San Bernardino, CA 92408
<u>San Geronimo Pass Water Agency</u>	Wholesale	Yucaipa (no wholesale activity in County)	2,000	--	5	1210 Beaumont Avenue Beaumont, CA 92223
<u>Santa Ana Watershed Project Authority</u>	Watershed Quality	Valley Region	1,547,000 (SB County)	--	564 (SB County)	11615 Sterling Avenue Riverside, CA 92503
<u>South Mesa Water Company</u>	Retail	Yucaipa	7,573	2,935	4.27	391 West Avenue L Calimesa, CA 92320
Terrace Water Company	Retail	Colton	2,200	592	0.43	P.O. Box 640 Colton, CA 92324
Tres Lagos Mutual Water Company c/o San Bernardino County Flood Control District	Retail	Mentone	80	20	0.10	825 East Third Street San Bernardino, CA 92415
Water Facilities Authority (JPA)	Treatment	West Valley	500,000	--	135	1775 N Benson Ave Upland, CA 91784
West End Consolidated Water Company	Wholesale	Upland	78,787	--	15	1370 N. Benson Ave. Upland, CA 92867
West End Water Development Treatment & Conservation JPA	Treatment & conservation	San Bernardino, Rialto	254,110	--	170	P.O. Box 920 Rialto, CA 92377
<u>West Valley Water District</u>	Retail	Rialto, Fontana, Colton	80,161	18,305	31	P.O. Box 920 Rialto, CA 92377
<u>Western Heights Water Company</u>	Retail	Yucaipa/Redlands	6,000	2,281	4.58	32352 Avenue D Yucaipa, CA 92399
<u>Yucaipa Valley Water District</u>	Retail	Yucaipa	44,745	12,434	40	12770 Second Street Yucaipa, CA 92399

Sources: San Bernardino County Public Health Permit Update Reports; agency websites; Urban Water Management Plans; CA Dept. of Public Health Annual Inspection Reports

*Countywide Service Review for Water
Appendix F - Listing*

MOUNTAIN REGION

Community Water System, Wholesaler, or JPA	Function	Location in SB County	Approx. Pop.	Retail Connections	Area (sq. miles)	Address
<u>Alpine Water Users Association</u>	Retail	Lake Arrowhead	3,000	965	0.54	P.O. Box 122 Twin Peaks, CA 92391
<u>Arrowbear Park County Water District</u>	Retail	Hilltop	1,350	947	1.62	P.O. Box 4045 Arrowbear Lake, CA 92382-4045
<u>Arrowhead Villas Mutual Service Company</u>	Retail	Lake Arrowhead	793	797	0.25	P.O. Box 77 Sky Forest, CA 92385
<u>Big Bear City Community Services District</u>	Retail	Bear Valley	12,411	6,013	28.72	139 East Big Bear Blvd. Big Bear City, CA 92314
Big Pine Tract Improvement	Retail	Angeles Oaks/ Mill Creek Canyon	300	140	0.23	P.O. Box 1510 Upland ,CA 91785
<u>Camp Waterman Mutual Water Company</u>	Retail	Crest Forest	55	30	0.05	1849 Old Waterman Canyon Rd. San Bernardino, CA 92404
<u>Cedarpines Park Mutual Water Company</u>	Retail	Crest Forest	2,500	767	1.24	P.O. Box 9259 Cedarpines Park, CA 92322
<u>City of Big Bear Lake Dept. of Water & Power</u>	Retail	Bear Valley	25,601	15,600	12.93	P.O. Box 1929 Big Bear Lake, CA 92315
<u>County Service Area 70 Zone Cedar Glen</u>	Retail	Lake Arrowhead	1,253	331	1.4	12402 Industrial Blvd, D-6 Victorville, CA 92395
<u>Crestline-Lake Arrowhead Water Agency</u>	Wholesale Retail	Crest Forest Lake Arrowhead	39,000 (W) 2,862 (R)	1,210	85.85 (W) 1.73(R)	P.O. Box 3880 Crestline, CA 92325
<u>Crestline Village Water District</u>	Retail	Crest Forest	7,709	4,952	4.41	P.O. Box 3347 Crestline, CA 92325-3347
Dogwood Blue Jay Canyon Improvement Association	Retail	Lake Arrowhead	160	84	0.22	P.O. Box 2625 Blue Jay, CA 92317
Fallsvale Service Company	Retail	Angeles Oaks/ Mill Creek Canyon	959	492	0.42	P.O. Box 23 Forest Falls, CA 92339
Forest Park Mutual Water Company	Retail	Angeles Oaks/ Mill Creek Canyon	415	83	0.06	P.O. Box 804 Forest Falls ,CA 92339
<u>Glen Martin Mutual Water Company</u>	Retail	Angeles Oaks/ Mill Creek Canyon	450	339	0.52	P.O. Box 2 Angelus Oaks, CA 92305-0002
Green Valley Mutual Water Company	Retail	Hilltop	350	1,149	0.53	P.O. Box 8300 Green Valley Lake, CA 92341

*Countywide Service Review for Water
Appendix F - Listing*

Community Water System, Wholesaler, or JPA	Function	Location in SB County	Approx. Pop.	Retail Connections	Area (sq. miles)	Address
<u>Lake Arrowhead Community Services District</u>	Retail	Lake Arrowhead	20,054	8,313	8.08	P.O. Box 700 Lake Arrowhead, CA 92352
<u>Mojave Water Agency</u> (Monitoring)	Monitoring, No Wholesale	Crestline	--	--	--	13846 Conference Center Dr. Apple Valley, CA 92307
Mill Creek Mutual Service Company	Retail	Angeles Oaks/ Mill Creek Canyon	315	63	0.06	37010 Old Mill Creek Rd. Mentone, CA 92359
North Shore Mutual Water Company	Retail	Bear Valley	25	32	0.02	P.O. Box 67 Fawnskin, CA 92333
<u>Running Springs Water District</u>	Retail	Hilltop	5,632	3,183	4.00	P.O. Box 2206 Running Springs, CA 92382
<u>San Bernardino Valley Municipal Water District</u> (Agreement with CLAWA)	Wholesale	Crestline-Lake Arrowhead	--	--	--	380 East Vanderbilt Way San Bernardino, CA 92408
Skyforest Mutual Water Company	Retail	Lake Arrowhead	605	121	0.25	P.O. Box 3 Sky Forest, CA 92385
Strawberry Lodge Mutual Water Company	Retail	Crest Forest	640	128	0.10	P.O. Box 7 Twin Peaks, CA 92391
Valley of Enchantment Mutual Water Company	Retail	Crest Forest	1,815	823	0.23	P.O. Box 6510 Crestline, CA 92325
Valley View Park Mutual Water Company	Retail	Crest Forest	499	217	0.35	P.O. Box 301 Crestline, CA 92325

County Public Health Permit Update Reports; agency websites; Urban Water Management Plans; CA Dept. of Public Health Annual Inspection Reports

*Countywide Service Review for Water
Appendix F - Listing*

NORTH DESERT REGION

Community Water System, Wholesaler, or JPA	Function	Location in SB County	Approx. Pop.	Retail Connections	Area (sq. miles)	Address
Apple Valley Foothill County Water District	Retail	Apple Valley	550	209	1.1	22545 Del Oro Road Apple Valley, CA 92307-8205
<u>Apple Valley Heights County Water District</u>	Retail	Apple Valley	650	280	1.3	9429 Cerra Vista Apple Valley, CA 92308
Apple Valley View Mutual Water Company	Retail	Apple Valley	240	81	0.75	24288 Shoshone Road Apple Valley, CA 92307
<u>Baker Community Services District</u>	Retail	Baker	916	100	4.5	72730 Baker Boulevard Baker, CA 92309
Bar H Mutual Water Company	Retail	Lucerne Valley	130	60	0.24	P.O. Box 844 Lucerne Valley, CA 92356
Bar-Len Mutual Water Company	Retail	Barstow	120	39	0.03	P.O. Box 77 Barstow, CA 92311
Center Water Company	Retail	Lucerne Valley	200	50	0.15	P.O. Box 616 Lucerne Valley, CA 92356
Chamisal Mutual Water Company	Retail	El Mirage	90	23	0.31	1442 El Mirage Road Adelanto, CA 92301
<u>City of Adelanto Public Utilities Authority</u>	Retail	Adelanto	33,080	8,165	53.8	11600 Air Expressway Road Adelanto, CA 92301
<u>County Service Area 42</u>	Retail	Oro Grande	426	135	0.77	12402 Industrial Blvd, D-6 Victorville, CA 92395
<u>County Service Area 64</u>	Retail	Spring Valley Lake	9,541	3,810	4.0	12402 Industrial Blvd, D-6 Victorville, CA 92395
<u>County Service Area 70 Zone J</u>	Retail	Oak Hills	11,579	3,118	28	12402 Industrial Blvd, D-6 Victorville, CA 92395
Daggett Community Services District	Retail	Daggett, Yermo	500	185	26	33703 Second Street Daggett, CA 92327-0308
Desert Dawn Mutual Water Company	Retail	Lucerne Valley	150	24	0.10	P.O. Box 392 Lucerne Valley, CA 92356
Desert Springs Mutual Water Company	Retail	Lucerne Valley	325	65	0.36	P.O. Box 396 Lucerne Valley, CA 92356

*Countywide Service Review for Water
Appendix F - Listing*

Community Water System, Wholesaler, or JPA	Function	Location in SB County	Approx. Pop.	Retail Connections	Area (sq. miles)	Address
<u>Golden State Water Company Apple Valley North System</u>	Retail	Apple Valley	2,254	702	1.83	13608 Hitt Road Apple Valley, CA 92308
<u>Golden State Water Company Apple Valley South System</u>	Retail	Apple Valley	6,108	1,877	2.72	13608 Hitt Road Apple Valley, CA 92308
<u>Golden State Water Company Barstow System</u>	Retail	Barstow	31,668	12,020	33.18	1521 E. Main Street Barstow, CA 92311
<u>Golden State Water Company Desert View System</u>	Retail	Apple Valley	6,108	64	0.47	13608 Hitt Road Apple Valley, CA 92308
<u>Golden State Water Company Lucerne Valley System</u>	Retail	Lucerne Valley	718	309	1.38	13608 Hitt Road Apple Valley, CA 92308
<u>Golden State Water Company Wrightwood System</u>	Retail	Wrightwood	4,388	2,743	2.54	1500 State Highway #2 Wrightwood, CA 92397
Gordon Acres Water Company	Retail	Lucerne Valley	100	39	0.25	P.O. Box 1035 Lucerne Valley, CA 92356
<u>Helendale Community Services District</u>	Retail	Helendale	5,800	2,812	92	26540 Vista Road, Suite B Helendale, CA 92342
<u>Hesperia Water District</u>	Retail	Hesperia	92,117	26,370	74	9700 Seventh Avenue Hesperia, CA 92345
Hi Desert Mutual Water Company	Retail	Barstow	75	32	0.03	23667 Gazana Road Barstow, CA 92311
<u>Indian Wells Valley Water District</u>	Retail	Indian Wells	33,476	12,000	38	500 W. Ridgecrest Blvd Ridgecrest, CA 93555
Jubilee Mutual Water Company	Retail	Lucerne Valley	630	171	1.02	P.O. Box 1016 Lucerne Valley, CA 92356
<u>Juniper Riviera County Water District</u>	Retail	Apple Valley	400	250	2	25715 Santa Rosa Apple Valley, CA 92307
<u>Liberty Utilities Apple Valley System</u>	Retail	Apple Valley	62,602	20,595	51.34	21760 Ottawa Road Apple Valley, CA 92308
<u>Liberty Utilities Yermo System</u>	Retail	Yermo	1,086	275	0.78	21760 Ottawa Road Apple Valley, CA 92308
Lucerne Valley Mutual Water Company	Retail	Lucerne Valley	210	70	0.16	P.O. Box 1311 Lucerne Valley, CA 92356
Lucerne Vista Mutual Water Company	Retail	Lucerne Valley	150	32	0.06	P.O. Box 677 Lucerne Valley, CA 92356

*Countywide Service Review for Water
Appendix F - Listing*

Community Water System, Wholesaler, or JPA	Function	Location in SB County	Approx. Pop.	Retail Connections	Area (sq. miles)	Address
Mariana Ranchos County Water District	Retail	Apple Valley	1,700	420	7	9600 Manzanita Street Apple Valley, CA 92308
Mojave Water Agency (North Desert portion)	Wholesale	North Desert	430,260	--	412	13846 Conference Center Dr. Apple Valley, CA 92307
Navajo Mutual Water Company	Retail	Apple Valley	240	80	0.09	P.O. Box 392 Apple Valley, CA 92307
Odessa Water District	Retail (not active)	Barstow	23,219	--	41	220 East Mountain View, Suite A Barstow, CA 92311
Phelan Piñon Hills Community Services District	Retail	Phelan Piñon Hills	19,291	6,806	118	4176 Warbler Road Phelan, CA 92371
Rancheritos Mutual Water Company	Retail	Apple Valley	800	131	1.13	P.O. Box 348 Apple Valley, CA 92307
Rand Communities Water District	Retail	Rand	450	250	108	501 Comstock Ave. Johannesburg, CA 93528
Searles Domestic Water Company	Retail	Searles	2,000	1,237	52.26	13217 Main St Trona, CA 93562
Sheep Creek Water Company	Retail	Phelan	3,354	1,601	10.85	P.O. Box 291820 Phelan, CA 92329
Stoddard Valley Mutual Water Company	Retail	Barstow	25	8	0.03	P.O. Box 2288 Barstow, CA 92312
Thunderbird County Water District	Retail	Apple Valley	720	283	2	24737 Standing Rock Road Apple Valley, CA 92307
U.S. Army National Training Center, Fort Irwin	Retail	Fort Irwin	16,000	6,163	≈ 3	P.O. Box 105085, Bldg. 602 Fort Irwin, CA 92310
U.S. Marine Corps Logistics Base, Barstow: Nebo and Yermo Annexes	Retail	Barstow, Yermo	800	416	≈ 1	P.O. Box 110570 Barstow, CA 92311
Victorville Water District	Retail	Victorville	128,005	35,100	85	P.O. Box 5001 Victorville, CA 92393-5001
West End Mutual Water Company	Retail	Lucerne Valley	100	54	0.38	P.O. Box 1732 Lucerne Valley, CA 92356

Sources: San Bernardino County Public Health Permit Update Reports; agency websites; Urban Water Management Plans; CA Dept. of Public Health Annual Inspection Reports

*Countywide Service Review for Water
Appendix F - Listing*

SOUTH DESERT REGION

Community Water System, Wholesaler, or JPA	Function	Location in SB County	Approx. Pop.	Retail Connections	Area (sq. miles)	Address
<u>Bighorn-Desert View Water Agency</u>	Retail	Homestead Valley	4,116	1,930	52	622 Jemez Trail Yucca Valley, CA 92284
<u>City of Needles</u>	Retail	Needles	4,976	1,914	30	817 Third Street Needles, CA 92363
<u>County Service Area 70 Zone F</u>	Retail	Morongo Valley	290	88	0.6	12402 Industrial Blvd, D-6 Victorville, CA 92395
<u>County Service Area 70 Zone W-3</u>	Retail	Morongo Valley	567	165	1.5	12402 Industrial Blvd, D-6 Victorville, CA 92395
<u>County Service Area 70 Zone W-4</u>	Retail	Pioneertown (Yucca Valley)	350	84	1.1	12402 Industrial Blvd, D-6 Victorville, CA 92395
<u>Fenner Valley Water Authority</u> (Cadiz Inc., Fenner Valley Mutual Water Company, Santa Margarita Water District)	Wholesale (not active)	Fenner Valley, Cadiz	--	--	--	550 South Hope Street, Suite 2850 Los Angeles, CA 90017
<u>Golden State Water Company, Morongo Del Norte system</u>	Retail	Morongo Valley	950	165	0.86	49681 29 Palms Hwy Morongo Valley, CA 92256
<u>Golden State Water Company Morongo Del Sur system</u>	Retail	Morongo Valley	2,580	930	2.37	49681 29 Palms Hwy Morongo Valley, CA 92256
Havasu Water Company	Retail	Havasu Lake	361 perm. 900 season	225	0.18	P.O. Box 1690 Havasu, Lake, CA 92363
<u>Hi-Desert Water District</u>	Retail	Yucca Valley	24,520	10,500	57	55439 29 Palms Hwy Yucca Valley, CA 92284
<u>Joshua Basin Water District</u>	Retail	Joshua Tree	9,830	4,493	97	P.O. Box 675 Joshua Tree, CA 92252
<u>Mojave Water Agency Improvement District M (Morongo)</u>	Wholesale	Morongo Basin	39,291 (Morongo)	--	200 (Morongo)	13846 Conference Center Drive Apple Valley, CA 92307-4377
<u>Twentynine Palms Water District</u>	Retail	Twentynine Palms	18,165	7,039	87	72401 Hatch Road Twentynine Palms, CA 92277
<u>U.S. Marine Corps Air Ground Combat Center, Twentynine Palms</u>	Retail	Twentynine Palms	25,000	2,480	--	Bldg. 1418 MCAGCC, P.O. Box 788110 29 Palms, CA 92278

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