

### *Introduction*

Each of the three proposed Projects in this Proposal addresses a critical supply for a disadvantaged community (DAC) and each Project serves a DAC in more than 80% of the area being served by the Projects. The three projects include:

1. Mojave Region Commercial, Industrial and Institutional (CII) Turf Phase II Removal Program
2. Hi-Desert Sewer Collection System Phase 1A
3. Leak Detection Services for Mojave Region 100% DAC Small Water Systems Phase 1 Program

The inclusion and participation of economically disadvantaged communities (DACs) was considered essential to the Mojave Integrated Regional Water Management (IRWM) Plan process, as approximately 79 percent of the Mojave Region qualifies as disadvantaged (see figure on the next page). Projects are discussed below and include information that supports the determination of DACs for each Project. Also, the critical water supply needs of the DACs are identified for each Project.

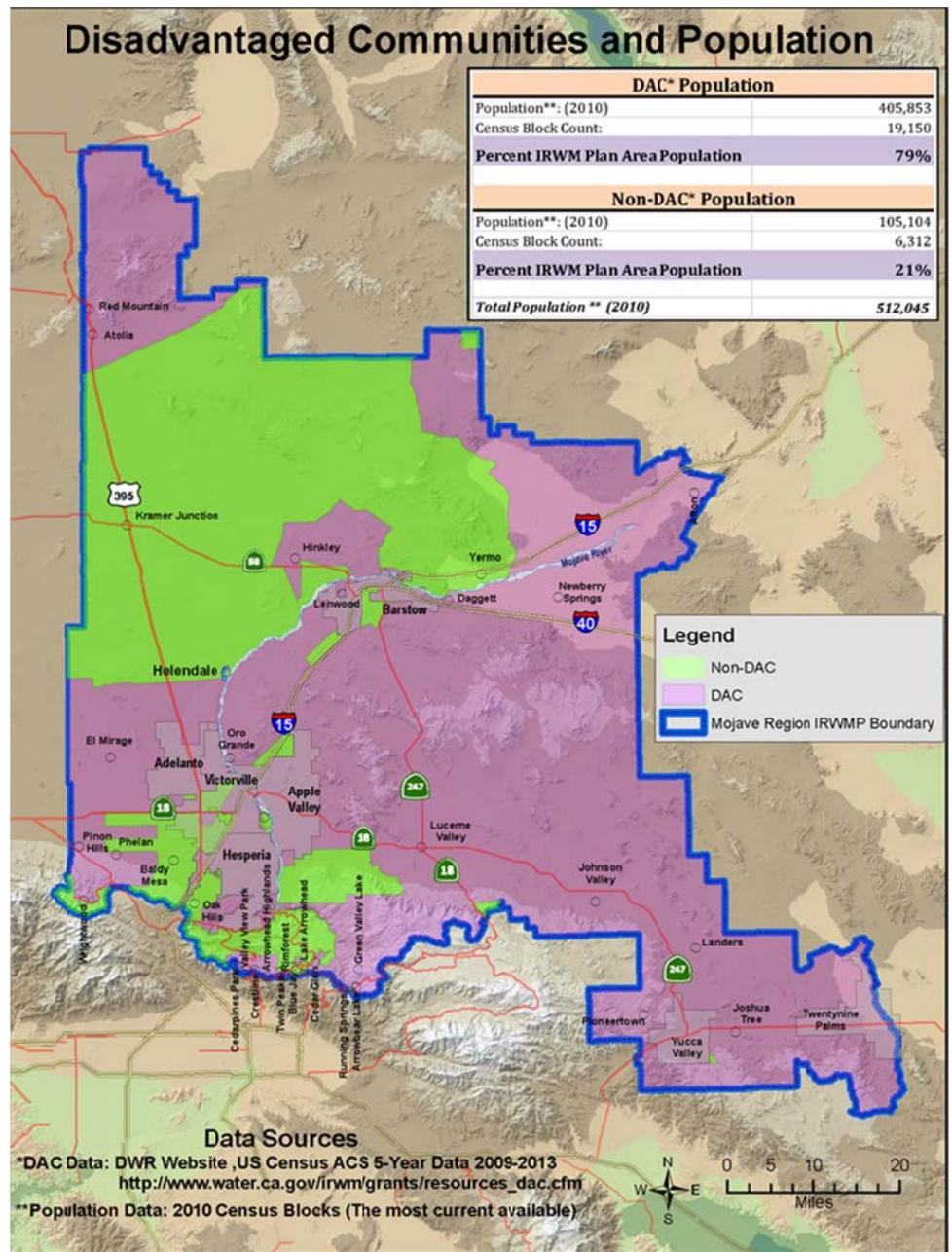
Mojave Region CII Turf Phase II Removal Program

The Mojave Region CII Turf Phase II Removal Program will serve the entire Mojave IRWM Region. As can be seen on the *Disadvantaged Communities and Population* figure shown below (an overview of the Mojave Region), approximately 79 percent of the Mojave Region qualifies as disadvantaged, based on 2010 Census population data and the California Department of Water Resources (DWR’s) 2015 IRWM Guidelines, Appendix G.

Projects that reduce the use of pumped groundwater will reduce the demand for imported supplies from the State Water Project (SWP) during the current drought. Most of the Mojave Region groundwater is covered by two completed adjudications, relating to the major basins: the Mojave Basin Judgment (basins along the Mojave River and adjacent areas are referred to as the Mojave River Groundwater Basin; the area is referred to as the Mojave Basin Area and is included as part of the Mojave Basin Judgment) and the Warren Valley Basin Adjudication, located within the Morongo Basin/Johnson Valley Area (“Morongo”). Groundwater from the Warren Valley Basin is used to supply the Town of Yucca Valley and its environs.

Within the Mojave Groundwater Basin Adjudication and the Warren Valley Basin Judgment, SWP supplies are used to recharge groundwater basins in areas where groundwater production exceeds the production safe yield of the basin. Any recycled water delivered, system distribution losses corrected or turf removed directly offsets groundwater production.

Both adjudications are reliant upon availability of imported SWP supply to keep historically overdrafted groundwater basins within balance. Any Project (such as this Phase II Turf Removal Program) that reduces the demand for the SWP supply results in more flexibility for stretching out this valuable imported supply.



Hi-Desert Sewer Collection System Program Phase 1A

As shown on Figure 3, the Hi-Desert Water District is the agency implementing the Sewer Collection System Program (including all phases), and its entire service area (which includes the Town of Yucca Valley) is considered a DAC; thus 100% of the Project will serve DACs. The DAC determination for the Hi-Desert Water District is based on DWR’s 2015 IRWM Guidelines, Appendix G and includes all households where a median household income (MHI) of less than \$48,875 is met (80% of the statewide MHI).

This Sewer Collection System Phase 1A will address the following critical water quality needs of the DAC for the Town of Yucca Valley:

- Wastewater treatment necessary to abate existing or prevent additional groundwater contamination
- Wastewater treatment required to protect beneficial uses or meet a discharge standard. Colorado River Basin Regional Board’s Water Quality Control Plan (Basin Plan), which was adopted on May 19, 2011, imposed an amendment on septic tank prohibition on new and existing septic systems within the Town of Yucca Valley with Phase 1 prohibition currently scheduled to become effective on May 19, 2016. The Regional Board collected evidence that indicated that the continual use of septic systems within the Town has caused: (a) violations of water quality objectives; (b) impairment of groundwater beneficial uses; (c) conditions of pollution, nuisance, and/or contamination; and (d) unreasonable degradation of the quality of state waters, the primary source of drinking water for properties located within the Assessment District.
- Construction of wastewater collection systems necessary to abate existing or prevent additional groundwater contamination
- Replacement of failing septic systems with a system that provides for the long-term wastewater treatment needs of the community

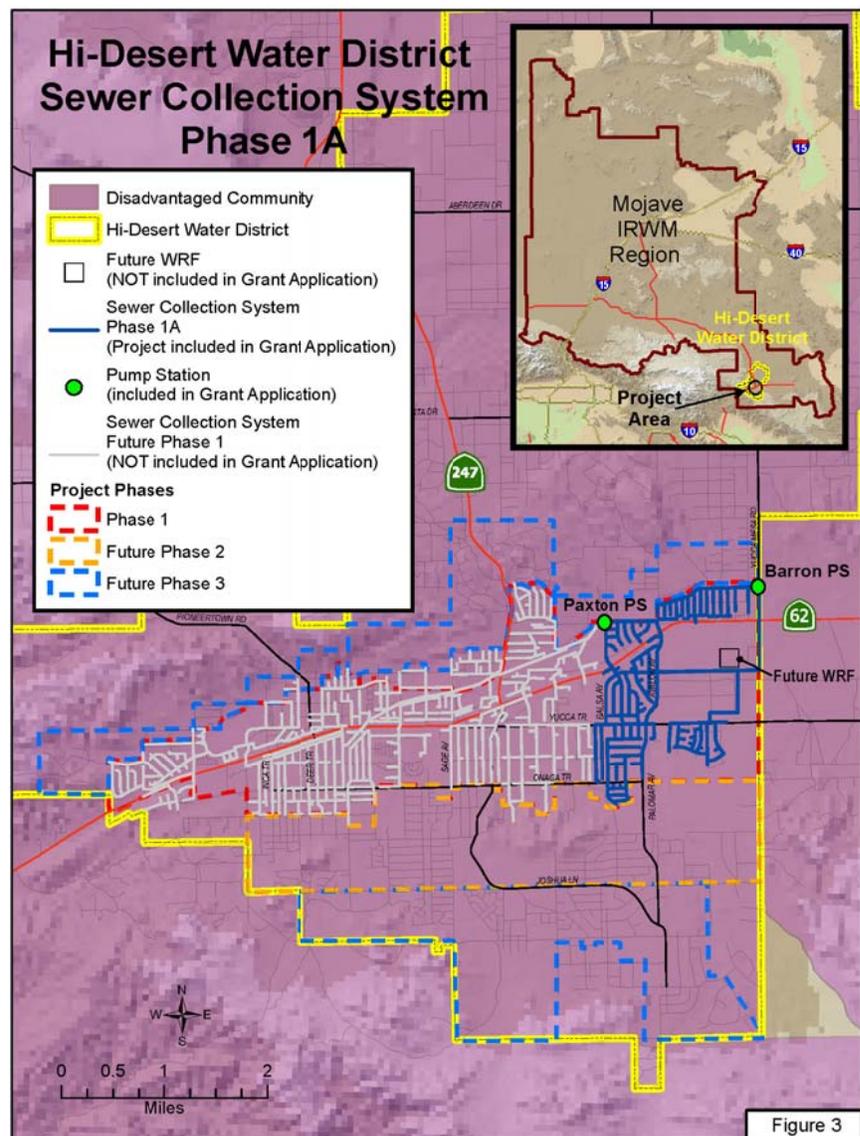


Figure 3

# Mojave Region Proposition 84 IRWM Round 3 Grant

## Attachment 7 – Disadvantaged Community Assistance



### Leak Detection Services for Mojave Region 100% Disadvantaged Community (DAC) Small Water Systems Phase 1 Program

Similar to the Mojave Region CII Turf Phase II Removal Program, this Leak Detection Services for the Mojave Region DAC Small Water Systems Phase 1 Program will also serve the entire Mojave IRWM Region. As discussed earlier, approximately 79 percent of the Mojave Region qualifies as disadvantaged; however for this Project, we have decided to include only the Small Water Systems that are 100% DAC so a non-construction project can be “accepted” for this grant application.

This Project is Phase 1 of a two-phase Capital Improvement Plan (CIP), with Phase 1 identifying the leaks throughout the twenty-six (26) small water systems that are 100% DAC. Phase 2 will take place when the leaks found in Phase 1 are corrected via the CIP program. The plan is to apply for Proposition 1 grant monies to fund Phase 2 of this Program. The critical need addressed for the DACs with this Project is the necessary infrastructure renovations to public water supply systems to assure continued reliability of the minimum quality and quantity of water.

As seen on Figure 4 (see Attachment 2), while there are forty (40) total small water systems in the Region, only twenty-six (26) are considered 100% DAC. Of the 26 small water systems included in this Leak Detection Project, over one-half of these 26 DAC systems are considered severely disadvantaged (or having a MHI of less than 60% statewide MHI (\$36,656)). There is a tremendous amount of need for infrastructure investment in this Region.

	<b>Small Water System</b>	<b>Service Area (Sq Mi)</b>	<b>DAC Area (Sq Mi)</b>	<b>Percent DAC<sup>1</sup></b>
1	Apple Valley Foothill County Water District	1.125	1.124	100%
2	Apple Valley View Mutual Water Company	0.749	0.749	100%
3	Bar H Mutual Water Company	0.241	0.241	100%
4	BarLen Mutual Water Company	0.030	0.030	100%
5	Bighorn-Desert View Water Agency	51.958	51.958	100%
6	Center Water Company	0.149	0.149	100%
7	Chamisal Mutual Water Company	0.313	0.313	100%
8	County Service Area 42	0.980	0.980	100%
9	County Service Area 70 W4	1.085	1.085	100%
10	Desert Dawn Mutual Water Company	0.098	0.098	100%
11	Desert Springs Mutual Water Company	0.358	0.358	100%
12	Gordon Acres Water Company	0.247	0.247	100%
13	Green Valley Mutual Water Company	2.298	2.298	100%
14	Hi Desert Mutual Water Company	0.034	0.034	100%
15	Jubilee Mutual Water Company	1.018	1.018	100%
16	Lucerne Valley Mutual Water Company	0.158	0.158	100%
17	Lucerne Vista Mutual Water Company	0.057	0.057	100%
18	Navajo Mutual Water Company	0.085	0.085	100%
19	Rancheritos Mutual Water Company	1.127	1.127	100%
20	Stoddard Valley Mutual Water Company	0.027	0.027	100%
21	Strawberry Lodge Mutual Water Company	0.099	0.099	100%
22	Thunderbird County Water District	1.964	1.964	100%
23	Valley of Enchantment Mutual Water Company	0.218	0.218	100%
24	West End Mutual Water Company	0.380	0.380	100%
25	Joshua Basin County Water District	96.557	95.888	99% <sup>2</sup>
26	Daggett Community Services District	20.462	18.753	92% <sup>3</sup>

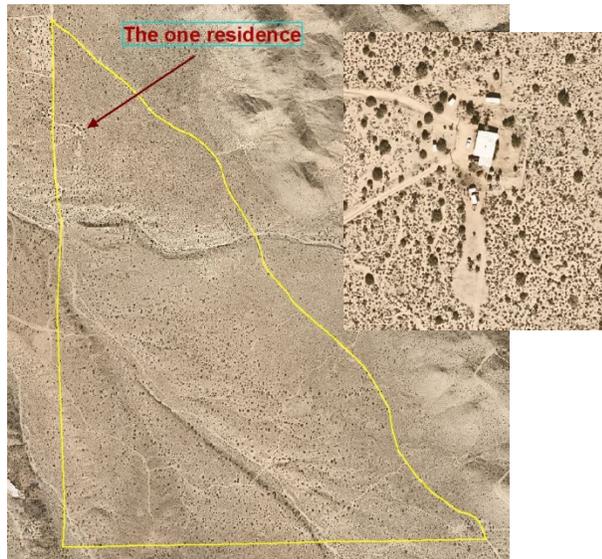
- 1) DAC Data Source: [http://www.water.ca.gov/irwm/grants/resources\\_dac.cfm](http://www.water.ca.gov/irwm/grants/resources_dac.cfm) - US Census American Community Survey 5-Year Data: 2009 – 2013.
- 2) An area of ~0.7 square miles (sq mi) is not currently in this DAC. This area contains 1 residence. See Joshua Basin Water District Income Survey submission following this page.
- 3) An area of ~1.7 sq mi is not currently in this DAC. This area contains no residences and in email/phone conversation with Keith Wallace on 6/23/15, it was decided that because there were no residences in this area, then this small water system could be included as 100% DAC.

# Joshua Basin Water District Income Survey

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## 1. What is the area to be surveyed?

- a. The area to be surveyed is a small portion (one dwelling unit or house) inside the Joshua Basin Water District (JBWD) service area boundary (see figure below and on the next page of this income survey) that was not defined by the California Department of Water Resources (DWR) to be considered a disadvantaged community (DAC). All other areas in JBWD were deemed to be DAC per the DWR GIS maps and data available on their website. This one dwelling unit was the only house in the entire JBWD service area (96 square miles) that was NOT considered to be DAC. Because this one house wasn't considered DAC, then the entire Water District would not be eligible to participate in the *Leak Detection Services for Mojave Region 100% Disadvantaged Community (DAC) Small Water Systems Phase 1 Program* – a grant application project that Mojave Water Agency (MWA) is applying for on behalf of the Mojave IRWM as part of the DWR Proposition 84 Round 3 Implementation Grant Application due August 7, 2015. For this Project, MWA is proposing to complete leak detection services for those Small Water Systems (for which JBWD would qualify) within the Mojave Region that are considered 100% DAC. The address of the one dwelling unit/home is 8919 LA CONTENTA RD., YUCCA VALLEY CA, 92284-4738. (See map of entire JBWD service area on the next page.)

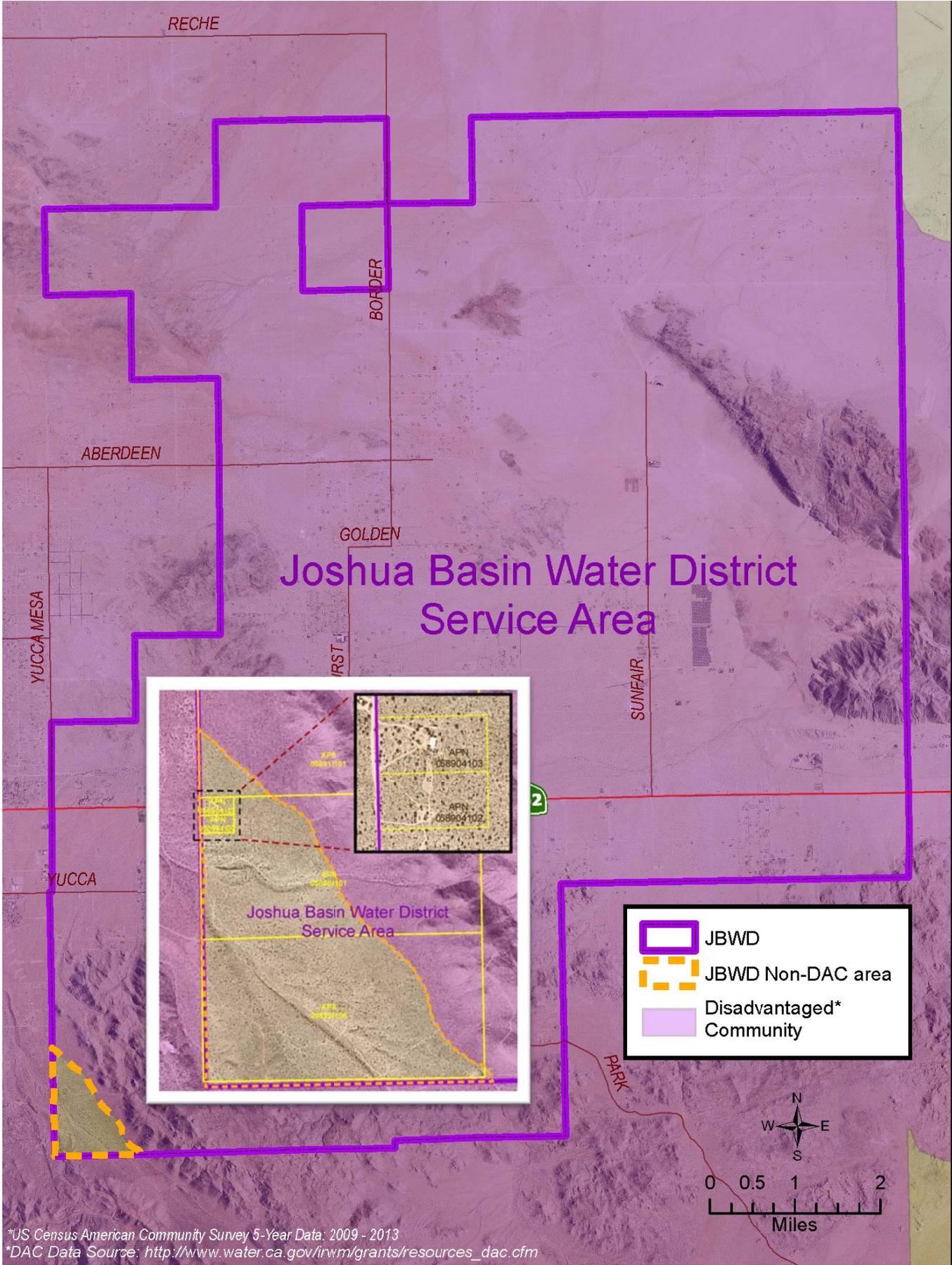


## 2. What is the project associated with the survey?

- a. The project that is associated with the income survey is *Leak Detection Services for Mojave Region 100% Disadvantaged Community (DAC) Small Water System Phase 1 Program* – a grant application project that Mojave Water Agency (MWA) is applying for via Proposition 84 Round 3. This project would include locating leaks throughout the entire JBWD system, as well as technical assistance and support.

## 3. Why is the survey being conducted?

- a. The Census has apparently included this one residence and thus does not accurately reflect the overwhelming DAC nature of the community. Because Census income statistics are sample-based, they may be subject to error and this one property appears to be such a case.



\*US Census American Community Survey 5-Year Data: 2009 - 2013  
 \*DAC Data Source: [http://www.water.ca.gov/irwm/grants/resources\\_dac.cfm](http://www.water.ca.gov/irwm/grants/resources_dac.cfm)

# Joshua Basin Water District Income Survey

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## **4. *What information will be collected?***

- a. We will use a standard form obtained from the DWR website for income surveys and a copy of the form will be included with this write-up. The questions and information to be collected is:
  - i. How many people are permanent members of your household?
  - ii. How many people in your household worked full-time in 2014? (fulltime means at least 25 hours per week for 50 weeks).
  - iii. What was your household income in 2014? (Please include gross wages and salaries, business/farm income, interest, dividends, social security, other retirement, supplemental, security income, welfare, disability, VA payments, unemployment, alimony, other.) If the exact amount is not known, please give your best estimate.
  - iv. How many people in your household are 65 or over?
  - v. How many people in your household are under 18?

## **5. *Who will collect this data?***

- a. According to DWR, JBWD employee(s) are allowed to collect this data and we have asked the General Manager of JBWD, Curt Sauer, to complete the survey for us.

## **6. *What Method will be used to collect the data?***

- a. The method used to collect the data is an in-person site visit by the General Manager of JBWD.

## **7. *Who will analyze the data and prepare the Income Survey Report?***

- a. No data analysis was required for this Report. See the next page.

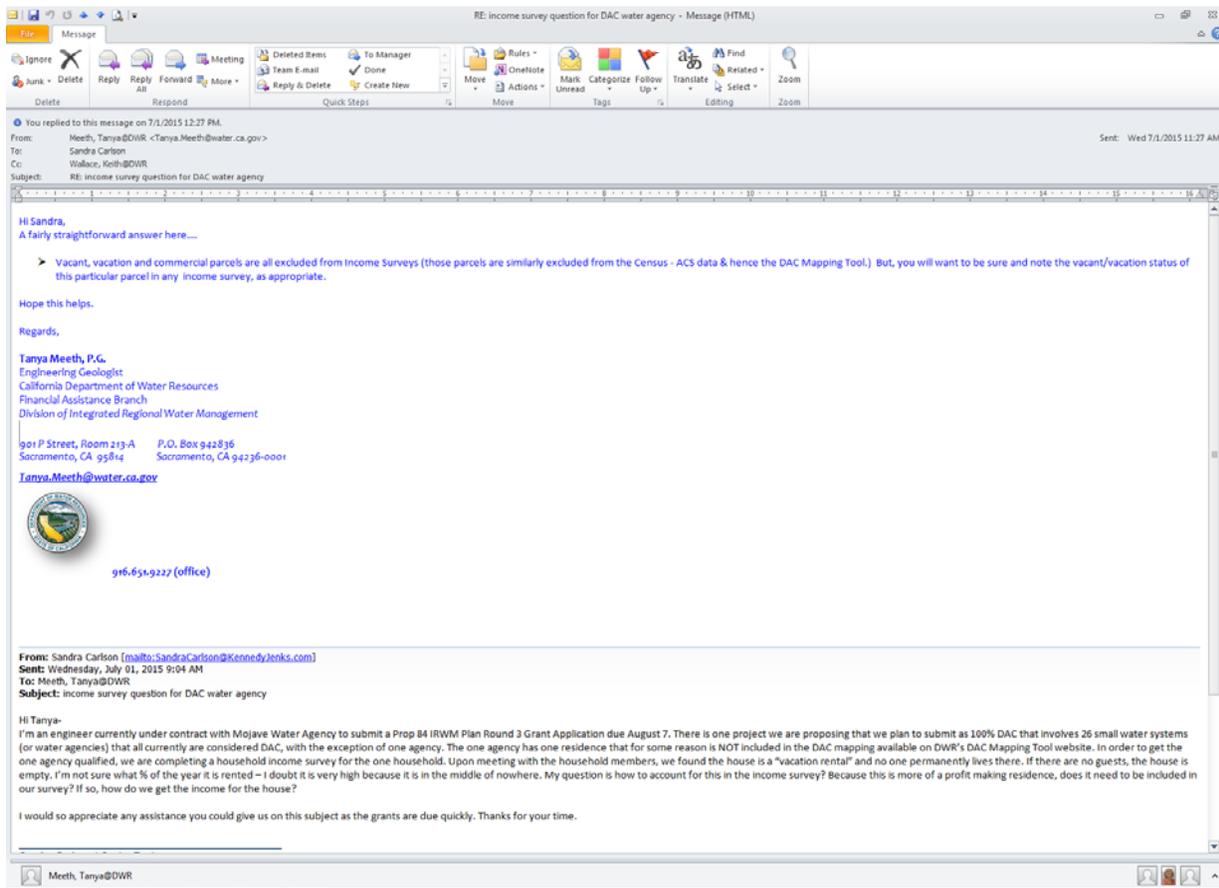
# Joshua Basin Water District Income Survey

## Results of Income Survey:

Please see attached field visit report by the General Manager of JBWD regarding the one dwelling unit that was NOT included in the current DAC boundary for an explanation.

The one dwelling unit (8919 LA CONTENTA RD., YUCCA VALLEY CA, 92284-4738) that was surveyed turned out to be commercial property – a bed & breakfast lodge – and not residential. Therefore, since vacant, vacation and commercial parcels are all excluded from Income Surveys (those parcels are similarly excluded from the Census - ACS data), then all remaining properties in JBWD are already considered to be DAC and now JBWD can be considered 100% DAC.

The screen capture below is an email confirming this from Tanya Meeth, P.G. dated July 1, 2015.





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61750 CHOLLITA ROAD  
JOSHUA TREE CA 92252  
PHONE: 760.366.8438  
FAX: 760.366.9528  
JBWD@JBWD.COM

## MEMO

Date: July 15, 2015

To: Matt Howard, Water Resources Supervisor, Mojave Water Agency  
From: <sup>CS</sup> Curt Sauer, General Manager, Joshua Basin Water District  
Subject: 8819 La Contenta, Joshua Tree, CA

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On June 24, 2015 I was advised by Matt Howard of Mojave Water Agency that there was one house outside of the DWR DAC community mapping program. This created a potential issue for Joshua Basin Water District's eligibility as part of an MWA grant application because of a requirement that all residences in a service area needed to be within the DAC, as determined by DWR.

I was asked to contact the resident at 8919 La Contenta, in Joshua Tree and determine whether the income level of the resident was below or above \$48,000 per year.

Because the house at 8919 La Contenta is owned by a Lori Portillo, who resides at 8282 La Contenta, I attempted to contact the owner first. I called Ms. Portillo on Monday June 29<sup>th</sup> and left a message for her to call me. There was no return call by June 30 at 5 pm. On Wednesday, July 1, accompanied by Field Service Technician Valerie Jorge, I drove to Ms. Portillo's house at 8282 La Contenta. Ms. Portillo's truck was in the driveway. The house is surrounded by a fence, and there was a dog in the yard, so I did not enter to knock on the door. After calling the residence, and receiving no answer, I honked our car horn. There was no response so I left a door tag on the fence gate asking Ms. Portillo to call me.

We then proceeded to 8919 La Contenta, about a half mile further south on La Contenta. Upon arriving at the drive into this residence I noted a sign which read "Thunderbird Lodge Retreat Parkview House". See figure 1.

At the house I spoke with a couple that stated they were staying at the house for two weeks, they had just arrived the night before, and they had located the vacation rental on-line. They handed me a brochure from Thunderbird Lodge Retreat. See figure 2.

After leaving 8919 La Contenta, I stopped at 8876 La Contenta, which is listed as Mountain House #1 in the brochure. There is a sign at that location advertising Thunderbird Lodge Retreat. See figure 3.

From this field visit to 8919 La Contenta, I have determined that it is not a residence, but rather a vacation rental operated by Ms. Lori Portillo, as part of the Thunderbird Lodge Retreat. Although the Parkview House is not listed in the brochure, it is listed on the webpage (<http://thunderbirdlodgeretreat.com/>).

Ms. Portillo lives on the west side of La Contenta, which places her residence in Yucca Valley (Hi Desert Water District), not Joshua Tree. 8919 La Contenta is on the east side of La Contenta, placing it in Joshua Tree, and the Joshua Basin Water District.



Figure 1 – Dwelling Unit Excluded from DAC

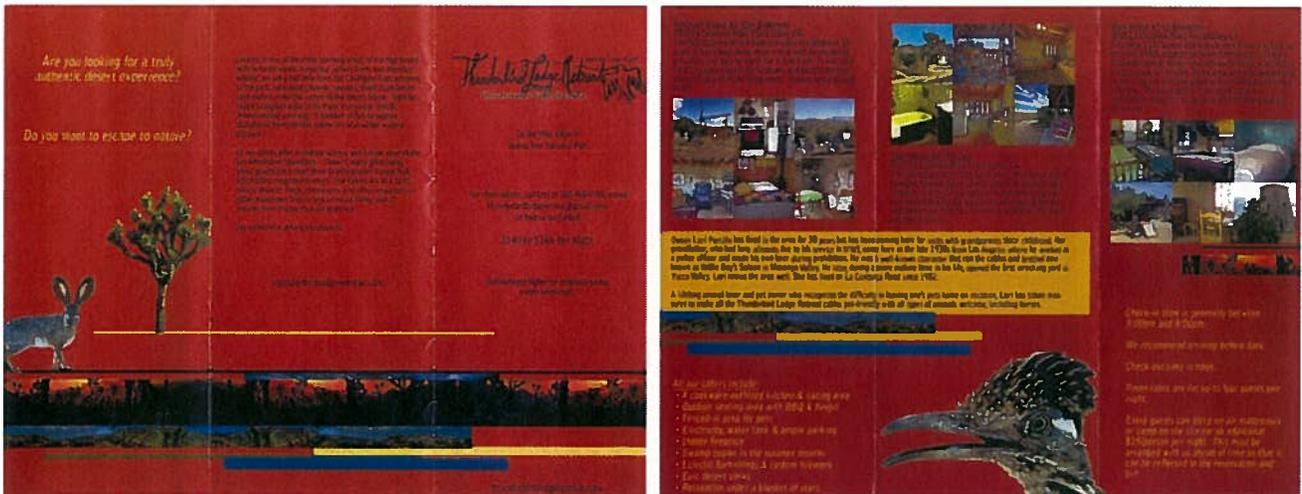


Figure 2 - Brochure for Vacation Rental



Figure 3 - Mountain House #1 in Brochure