

ATTACHMENT 8

Disadvantaged Community Assistance

ATTACHMENT 8 CONTENTS

8	Attachment 8 – Disadvantaged Community Assistance	8-2
8.1	BVWSD Brackish Groundwater Recovery Project	8-2
8.2	ID4 CVC Extension Lining Project	8-2
8.3	AEWSD In-Lieu Program	8-2
8.4	BCWD Water Main Replacement and Meter Installation Project	8-2
8.4.1	Documentation of DAC Presence	8-2
8.4.2	Documentation of DAC Needs	8-4

LIST OF FIGURES

Figure 8.4-1:	BCWD DAC Map	8-3
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LIST OF APPENDICES

Appendix 8.4-A	BCWD MHI Documentation
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8 Attachment 8 – Disadvantaged Community Assistance

8.1 BVWSD Brackish Groundwater Recovery Project

BVWSD is not requesting a funding waiver for its project. However, this project benefits BCWD through the increase of in-lieu groundwater recharge, which benefits the local groundwater aquifer that BVWSD and BCWD are dependent upon. By stabilizing and improving groundwater levels BCWD will be less subject to potential shortages in its pumping capacity.

8.2 ID4 CVC Extension Lining Project

ID4 is not requesting a funding waiver for its project. The project does benefit two water purveyors that provide water to two DACs within its service area, ENCSD and NORMWD, which provides a wholesale water supply to OMWC.

8.3 AEWSD In-Lieu Program

AEWSD is not requesting a funding waiver for its project. It should be noted that the In-Lieu Program includes the City of Arvin in its area of influence and will benefit water quality and water supply for the residents. The project will increase the import of freshwater from the CVP. Certain areas of the aquifer exhibit high arsenic levels in the groundwater. With CVP water, the arsenic concentration in the groundwater will dilute gradually. Over time, the water quality benefit of the project may result in decreased arsenic concentrations produced from City wells, thereby reducing their operating costs.

8.4 BCWD Water Main Replacement and Meter Installation Project

8.4.1 Documentation of DAC Presence

The City of Buttonwillow is classified as a Disadvantaged Community with an average MHI of 62 percent of the statewide MHI. According to the ACS of the U.S. Census (2011) for the period of 2006-2010, the state of California's MHI was \$60,883, 80% of the Statewide MHI is \$48,706 while the City of Arvin's MHI was \$37,500; 62% of the State's MHI. The boundary of the City of Buttonwillow DAC in the BCWD Water Main Replacement and Meter Installation Project is depicted in **Figure 8.4-1**.

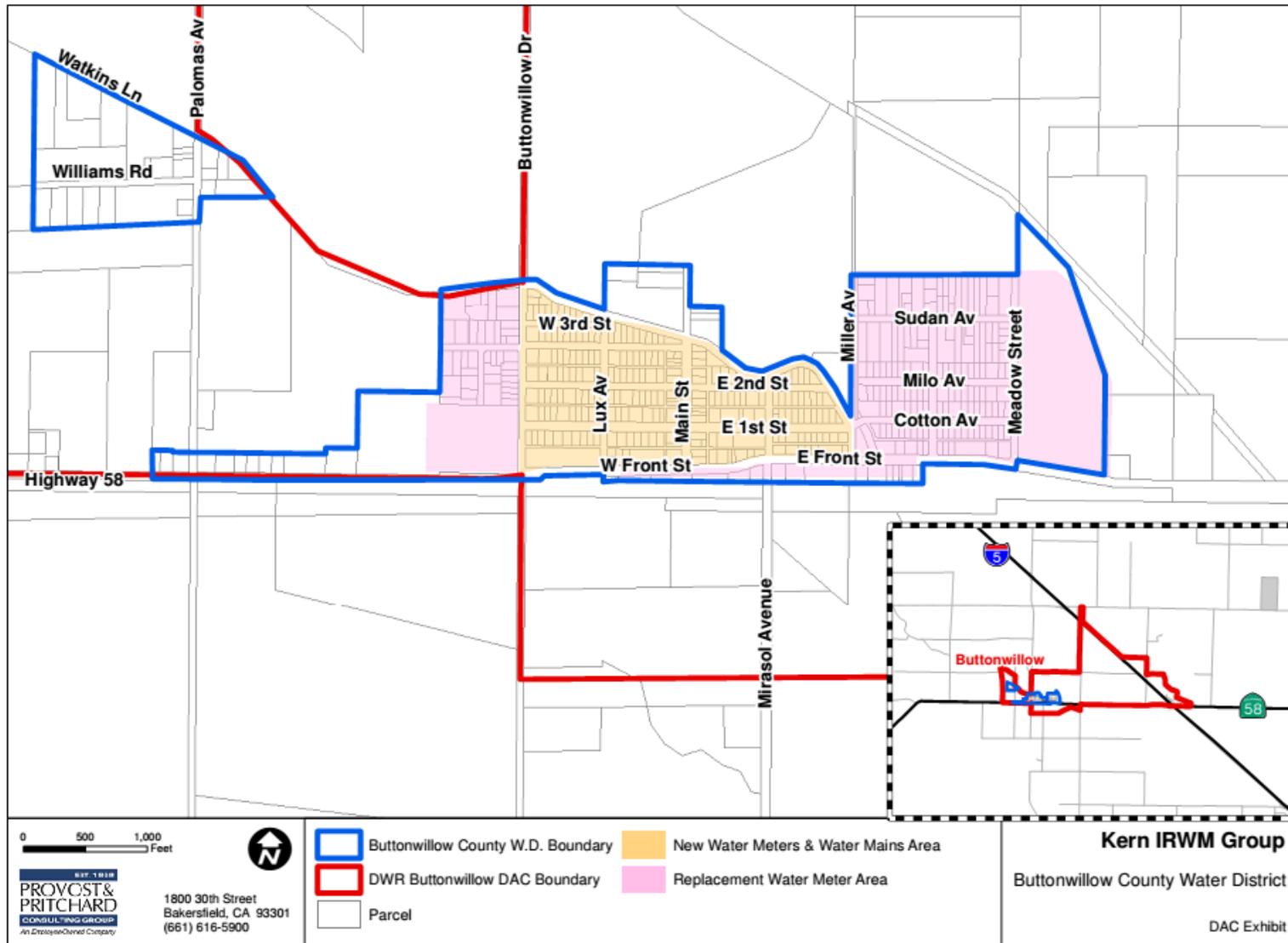


Figure 8.4-1: BCWD DAC Map

8.4.2 Documentation of DAC Needs

Funding Match Waiver Need

The City of Buttonwillow is requesting a waiver for the entire cost of the project as detailed in Attachment 5 - Budgets.

Critical Water Supply and Quality Need

The purpose of the Water Main Replacement and Meter Installation Project will increase water conservation by replacing water mains, valves, and installing water meters throughout the community. This project is expected to reduce losses from existing water mains and allowing for the implementation of graduated water rates based on actual customer use that is measured by new meters, thereby incentivizing water conservation. Without these reductions in water demands, the system would be at risk of shortages during the summer if groundwater levels continue to drop leading to less well pumping capacity. If a well were to become non-operational shortages would be more severe requiring significant reductions in water use. Additionally, without meters in the system and insufficient staff, water use restrictions would not be enforceable, leading to potential low pressure situations. A system with low pressure is dangerous as contaminants can enter into the water system and fire protection is impacted.

Because of these potential water shortages and water quality concerns with deteriorating water mains, the project qualifies for the Critical Water Supply Program Preference "Infrastructure renovations to a public water supply system necessary to assure continued reliability of the minimum quality and quantity of water" (2014 IRWM Drought Solicitation Guidelines). The projected water conservation and delivery improvement is considered necessary to assure continued reliability of the minimum quality and quantity of water.

Appendix 8.4-A

Buttonwillow MHI Documentation



S1901 INCOME IN THE PAST 12 MONTHS (IN 2012 INFLATION-ADJUSTED DOLLARS)

2008-2012 American Community Survey 5-Year Estimates

Supporting documentation on code lists, subject definitions, data accuracy, and statistical testing can be found on the American Community Survey website in the Data and Documentation section.

Sample size and data quality measures (including coverage rates, allocation rates, and response rates) can be found on the American Community Survey website in the Methodology section.

Although the American Community Survey (ACS) produces population, demographic and housing unit estimates, it is the Census Bureau's Population Estimates Program that produces and disseminates the official estimates of the population for the nation, states, counties, cities and towns and estimates of housing units for states and counties.

Subject	Buttonwillow CDP, California				
	Households		Families		Married-couple families
	Estimate	Margin of Error	Estimate	Margin of Error	Estimate
Total	364	+/-59	316	+/-65	166
Less than \$10,000	6.3%	+/-5.0	8.5%	+/-6.6	4.2%
\$10,000 to \$14,999	8.0%	+/-6.1	14.2%	+/-9.0	3.0%
\$15,000 to \$24,999	15.1%	+/-8.1	17.7%	+/-9.0	17.5%
\$25,000 to \$34,999	16.5%	+/-6.7	17.7%	+/-7.3	28.3%
\$35,000 to \$49,999	23.6%	+/-9.3	14.2%	+/-7.6	10.2%
\$50,000 to \$74,999	12.9%	+/-7.6	11.1%	+/-7.8	16.3%
\$75,000 to \$99,999	7.7%	+/-5.3	7.9%	+/-6.2	12.7%
\$100,000 to \$149,999	8.8%	+/-6.5	7.9%	+/-6.5	6.6%
\$150,000 to \$199,999	1.1%	+/-1.8	0.6%	+/-1.2	1.2%
\$200,000 or more	0.0%	+/-9.8	0.0%	+/-11.2	0.0%
Median income (dollars)	37,500	+/-4,368	31,389	+/-6,150	34,038
Mean income (dollars)	44,630	+/-6,775	40,290	+/-7,387	N
PERCENT IMPUTED					
Household income in the past 12 months	35.4%	(X)	(X)	(X)	(X)
Family income in the past 12 months	(X)	(X)	29.7%	(X)	(X)
Nonfamily income in the past 12 months	(X)	(X)	(X)	(X)	(X)

Subject	Buttonwillow CDP, California		
	Married-couple families	Nonfamily households	
	Margin of Error	Estimate	Margin of Error
Total	+/-49	48	+/-26
Less than \$10,000	+/-6.5	10.4%	+/-15.8
\$10,000 to \$14,999	+/-4.4	12.5%	+/-11.8
\$15,000 to \$24,999	+/-12.3	14.6%	+/-17.1
\$25,000 to \$34,999	+/-12.7	0.0%	+/-46.0
\$35,000 to \$49,999	+/-7.5	29.2%	+/-30.5
\$50,000 to \$74,999	+/-12.1	8.3%	+/-11.6
\$75,000 to \$99,999	+/-11.0	6.3%	+/-10.4
\$100,000 to \$149,999	+/-8.0	14.6%	+/-21.8
\$150,000 to \$199,999	+/-2.4	4.2%	+/-9.5
\$200,000 or more	+/-20.1	0.0%	+/-46.0
Median income (dollars)	+/-10,674	36,250	+/-21,625
Mean income (dollars)	N	48,419	+/-19,557
PERCENT IMPUTED			
Household income in the past 12 months	(X)	(X)	(X)
Family income in the past 12 months	(X)	(X)	(X)
Nonfamily income in the past 12 months	(X)	8.3%	(X)

Data are based on a sample and are subject to sampling variability. The degree of uncertainty for an estimate arising from sampling variability is represented through the use of a margin of error. The value shown here is the 90 percent margin of error. The margin of error can be interpreted roughly as providing a 90 percent probability that the interval defined by the estimate minus the margin of error and the estimate plus the margin of error (the lower and upper confidence bounds) contains the true value. In addition to sampling variability, the ACS estimates are subject to nonsampling error (for a discussion of nonsampling variability, see Accuracy of the Data). The effect of nonsampling error is not represented in these tables.

While the 2008-2012 American Community Survey (ACS) data generally reflect the December 2009 Office of Management and Budget (OMB) definitions of metropolitan and micropolitan statistical areas; in certain instances the names, codes, and boundaries of the principal cities shown in ACS tables may differ from the OMB definitions due to differences in the effective dates of the geographic entities.

Estimates of urban and rural population, housing units, and characteristics reflect boundaries of urban areas defined based on Census 2000 data. Boundaries for urban areas have not been updated since Census 2000. As a result, data for urban and rural areas from the ACS do not necessarily reflect the results of ongoing urbanization.

Source: U.S. Census Bureau, 2008-2012 American Community Survey

Explanation of Symbols:

1. An '***' entry in the margin of error column indicates that either no sample observations or too few sample observations were available to compute a standard error and thus the margin of error. A statistical test is not appropriate.
2. An '-' entry in the estimate column indicates that either no sample observations or too few sample observations were available to compute an estimate, or a ratio of medians cannot be calculated because one or both of the median estimates falls in the lowest interval or upper interval of an open-ended distribution.
3. An '-' following a median estimate means the median falls in the lowest interval of an open-ended distribution.
4. An '+' following a median estimate means the median falls in the upper interval of an open-ended distribution.
5. An '****' entry in the margin of error column indicates that the median falls in the lowest interval or upper interval of an open-ended distribution. A statistical test is not appropriate.
6. An '*****' entry in the margin of error column indicates that the estimate is controlled. A statistical test for sampling variability is not appropriate.
7. An 'N' entry in the estimate and margin of error columns indicates that data for this geographic area cannot be displayed because the number of sample cases is too small.
8. An '(X)' means that the estimate is not applicable or not available.