

# Merced Integrated Regional Water Management Implementation Grant Proposal



## Appendix 8-9

### Planada 2011 and 2012 Water Use Data

Planada Community Services District  
 EMERGENCY DROUGHT ASSISTANCE WATER USE EFFICIENCY GRANT  
 WATER SAVINGS CALCULATIONS, ACTUAL AND POTENTIAL  
 JANUARY 2013

**WATER SAVINGS :**

	2011 Average Monthly Usage (last 6 months)			2012 Average Monthly Usage (last 6 months)		
	Beg Rdg	End Rdg*	Total Use, Gal	Beg Rdg	End Rdg*	Total Use, Gal
Meter Reading	0	37,191,617	37,191,618	0	35,536,567	35,536,567
<b>Average Net Use, Month</b>			<b>37,191,618</b>			<b>35,536,567</b>

Actual Change in Water Use, Gal	-1,655,051	
Actual Change in Water Use, %	-4.45%	
Estimated Annual Change in Water Use, GAL	<b>-19,860,612</b>	<b>-61 Acre Feet</b>
Water Savings over 20-year project life, GAL	<b>-397,212,240</b>	<b>-1,219 Acre Feet</b>

\*Note that the first 8 months of the year 2012 were the hottest ever recorded in the continental United States.

\*Note that in year 2011 there were (970) service accounts; in year 2012 there were (1029) service accounts.

\*Meters have only been installed in approximately 2/3 of the community of Planada; consequently, a volumetric water rate has not been implemented or adopted; any water savings after the 5-Aug-12 reading may be attributed to District water conservation outreach and the resulting more sophisticated water use practices by District consumers.

\*Note that, starting with 5-Aug-12 reading, there has been a gradual decrease in the average usage per connection consumption.