

Attachment 6 – Monitoring Plan

PROPOSAL MONITORING PLAN

The City of Santa Rosa (City) is located in coastal Northern California and is the county seat of Sonoma County. The City's Utilities Department ("Santa Rosa Water") services over 52,000 connections and delivers an average of 6.3 billion gallons of water each year to residential and commercial customers. Santa Rosa Water also collects and treats about 7.2 billion gallons of wastewater annually and delivers its high quality recycled water to irrigation customers (2.0 billion gallons) and the Geysers geothermal steam field (4.6 billion gallons) to produce clean electricity.

The goal of the proposed Santa Rosa Water "Efficient Fixtures Direct Installation Program" is to achieve the following estimated water and energy savings and GHG reductions:

- Customer Water Savings: 68 million gallons per year
- Energy Savings within System: 292,000 kilowatt hours per year
- Greenhouse Gas (GHG) Reduction within System: 38,800 kilograms of CO₂ equivalents

The improvements to be implemented by the Program to achieve the targets include:

- (1) Upgrading eligible residential sites (single- and multi-family residences) to ultra-high efficiency toilets, faucet aerators, and showerheads
- (2) Upgrading eligible commercial sites to ultra-high efficiency pre-rinse spray valves

Based on Santa Rosa Water's extensive experience with water use efficiency programs, no special environmental considerations (permit requirements or CEQA/NEAP mitigations) are anticipated.

Santa Rosa Water will implement the program to ensure improvements are installed according to program requirements and will conduct monitoring activities to verify actual water and energy savings and GHG reductions.

Program results (water and energy savings and GHG reductions) will be submitted via paper and/or an online platform as required by Santa Rosa Water. Staff will monitor water and energy savings and GHG reductions based on pre- and post-program winter water use data for participating customers in million gallons, annual energy use within the system (water, wastewater, and recycled water) in kilowatt hours, and GHG emissions related to the system in kilograms of CO₂ equivalents. Actual savings will be compared to projected savings.

Management strategies for monitoring will be adapted as needed to meet the program goals and requirements.

Reporting will be conducted annually through the winter of 2017/18 and into the future as required by DWR.