

**Introduction**

Eastern Municipal Water District encompasses many diverse communities, and many of those communities include substantial areas that meet the definition of a Disadvantaged Community (DAC).<sup>1</sup>

The two projects included in this Proposal have been identified as providing direct, meaningful, and assured benefits to DAC areas. The following pages provide details on how these projects are located within and provide benefits to DACs.

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<sup>1</sup> For the purposes of this Proposal, DACs were defined using the CalEnviroScreen 2.0 Tool.

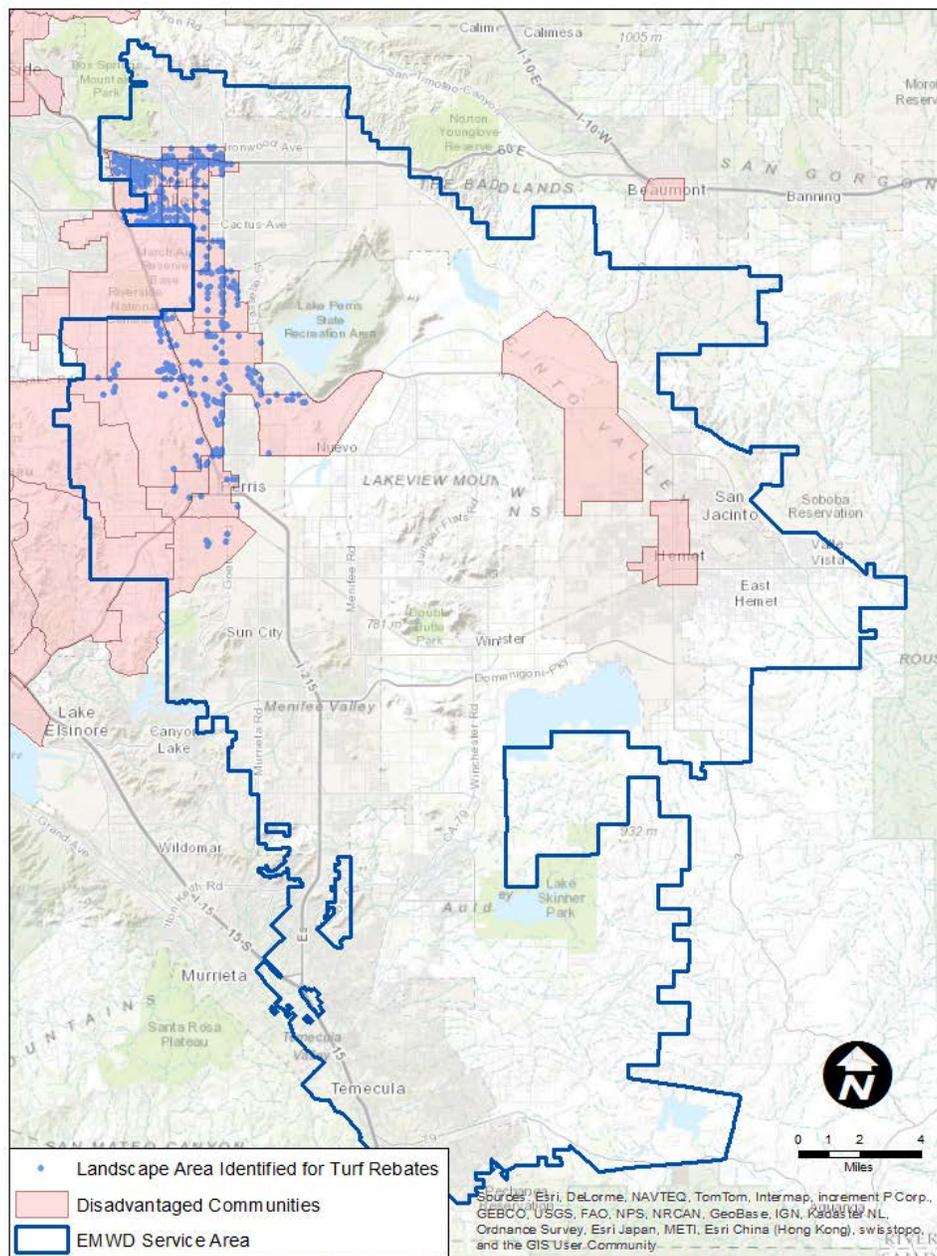
Low Income Water Use Efficiency Assistance Program

Disadvantaged Community

Turf Replacement Rebates

Project Benefits to DACs

As shown in the map below, 100% of the identified landscape areas being targeted for the Turf Replacement Rebates Project will be located in DACs that have received a CalEnviroScreen 2.0 score of 76 percent or higher (shown in the map shaded pink). These landscape areas, shown in blue, make up 100% of the turf replacement Project. These areas will receive the water savings benefit of 50.1 million gallons per year once turf is replaced with drought tolerant plants or synthetic turf. The areas will also realize the energy savings and GHG reduction benefits of the Project.



**Low Income Water Use Efficiency Assistance Program**

Disadvantaged Community

**Turf Replacement Rebates****Explain the measureable benefit and percentage of benefit provided to DACs**

By providing rebates to replace turf with drought tolerant plants or synthetic turf, water conservation benefits will be realized as the need to irrigate turf is nearly or entirely eliminated. Conservation programs in Southern California have estimated that turf replacement programs save approximately 44 gallons per square foot of turf replaced (see Appendix 2-1). EMWD will measure the benefits of this project based on this estimated water savings multiplied by the documented square feet of turf replaced.

All of the project benefits (100%) will be provided in DACs, and will consist of approximately 50.1 million gallons of water saved per year (1,138,000 square feet of turf replaced times 44 gallons per year), 509,105 kWh per year, and 141,531 kg CO<sub>2e</sub> per year.

**Explain how the benefit is direct, meaningful, and assured**

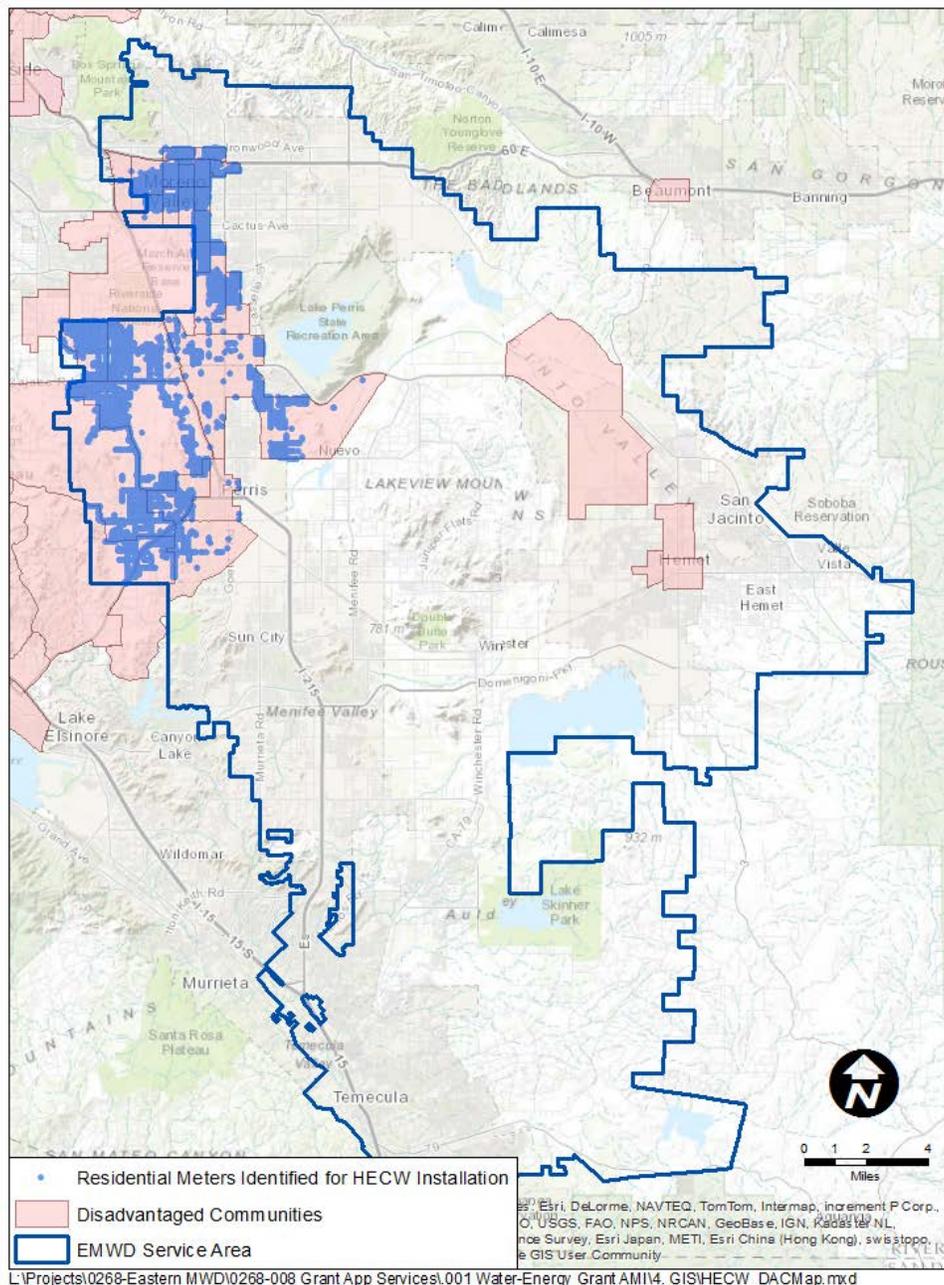
EMWD will ensure this level of benefit (50.1 MG/yr) to DACs by providing targeted outreach through bill inserts, newsletters, and direct mailings promoting the turf replacement rebates program. Given that 26.2 million square feet of landscaping in DAC area were identified for turf replacement through a GIS analysis using EMWD records of landscape meters, and a historical participation of 1,200 customers at a lower rebate level, EMWD is confident that approximately 1,138,000 square feet of turf replacement within DACs can be achieved.

Low Income Water Use Efficiency Assistance Program  
High Efficiency Clothes Washer Direct Install

Disadvantaged Community

**Project Benefits to DACs**

As shown in the map below, 100% of the identified residential meters being targeted for the High Efficiency Clothes Washer (HECW) Direct Install Project will be located in DACs that have received a CalEnviroScreen 2.0 score of 76 percent or higher (shown in the map shaded pink). These residences, shown in blue, make up 100% of the benefits to be achieved through the project. These areas will receive the water savings benefit of 6.3 million gallons per year once HECWs, aerators, and low-flow showerheads are installed. The areas will also realize the energy savings and GHG reduction benefits of the Project.



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**Low Income Water Use Efficiency Assistance Program  
High Efficiency Clothes Washer Direct Install**

Disadvantaged Community

**Explain the measureable benefit and percentage of benefit provided to DACs**

By providing rebates to replace standard washers and fixtures with HECWs, low-flow showerheads and aerators, water conservation benefits will be realized given that these fixtures will immediately reduce water consumption. In total, 6.3 million gallons per year are expected to be conserved through installation of 500 HECWs, 500 low-flow showerheads, and 500 aerators (see Appendix 2-1). EMWD will measure the benefits of this Project based on this estimated water savings multiplied by the documented number of HECWs, low-flow showerheads, and aerator installations.

All of the Project benefits (100%) will be provided in DACs, and will consist of approximately 6.3 million gallons of water saved per year, 996,799 kWh per year, and 196,630 kg CO<sub>2</sub>e per year.

**Explain how the benefit is direct, meaningful, and assured**

EMWD will ensure this level of benefit (6.3 MG/yr) to DACs by providing targeted outreach through bill inserts, newsletters, and direct mailings promoting the washer rebates program. Given that 20,754 residences were identified in DAC areas based on a GIS analysis of EMWD records of residential meters within DAC areas, EMWD is confident these benefits within DACs can be achieved given that approximately 500 residences need to participate in the program to realize the benefits.