

Low Income Water Use Efficiency Assistance**Proposal Monitoring****Water Savings:**

To monitor the Turf Replacement Rebates Project, staff members will keep a record of the square feet of turf replaced per year. To monitor water savings from HECW, low-flow showerhead and aerator installations, staff members will keep a record of the number of HECWs, low-flow showerheads and aerators installed per year. EMWD is targeting a total of 56.4 MG/year water savings as measured by the number of square feet of turf replaced and number of devices installed per year multiplied by the assumed water savings per square foot of turf or device.

Energy and GHG Savings:

EMWD will monitor system energy usage by applying electricity and natural gas energy usage factors to the number of millions of gallons of water saved for turf replacements and device installation using the DWR spreadsheet that is included in Attachment 2 of this grant application. EMWD is targeting 1,505,904 kWh/year of energy saved, and 338,162 kg CO₂e/year GHG reduction.

Parameters to Monitor	Numeric Target	Measurement Tools
Water Savings	Approximately 56.4 MG/year water saved	<ul style="list-style-type: none"> Record of square feet of turf replaced Record of number of HECWs, low-flow showerheads and aerators installed Assumed water savings per square foot of turf (44 gallons/sq ft. of turf. See Appendix 2-1.) Assumed water savings per device (See Attachment 2 and Appendix 2-2 for assumptions on water savings per device) Spreadsheet to track water savings
Energy Savings	Approximately 1,505,904 kWh/year of energy saved	<ul style="list-style-type: none"> Estimated water savings Record of annual imported water purchases by EMWD DWR Spreadsheet to calculate total annual energy savings
GHG Reduction	Approximately 338,162 kg CO ₂ e/year GHG reduction	<ul style="list-style-type: none"> Estimated water savings Record of annual imported water purchases by EMWD DWR Spreadsheet to calculate total annual GHG savings