Disadvantaged Community – Description of Benefits

City of Sacramento Department of Utilities District Metered Areas (DMAs) for Water Loss Control

The City of Sacramento Department of Utilities (Department) is proposing to use the funds from the Department of Water Resources Water Energy Grant to implement water loss reduction measures within areas of its service boundary that are also Disadvantaged Area Communities (DAC's) census areas ranking higher than 76% according to the CalEnviroScreen 2.0 Tool on December 12, 2014. Under this project the Department will be first selecting areas of its system that are suitable for analysis under the District Metered Area (DMA) program and are also DAC areas. These areas will then have DMA's implemented. The results from the DMA analysis will provide guided direction for Department and contract leak detection staff to find and isolate leaking areas of the water system for both City-asset and service-side leaks. The project funds will also go to leak repairs and fixes of both City-asset and service-side leaks within DAC areas. An outreach and funding program will be established to assist DAC-area residents in the repair of service-side leaks. As such, all grant funds will be spent to benefit DAC areas and thus will provide water, energy, and greenhouse gas (GHG) reductions to these DAC census-area residents.

The Department has pre-selected several potential DMA areas within DAC areas as shown on the DAC Map. Potential DMA areas will be analyzed for suitability under the DMA measurement methodology through hydraulic analysis, discussions with the Department staff, system characteristics, and other criteria. Also, the Department's meter installation program is progressing very rapidly and more areas that are concurrently metered and DAC areas will be available for funding under this grant proposal. If the areas currently pre-selected are not the best suited to DMA methodology, other areas that meet the DAC and system criteria will be selected alternatively. These areas will provide the same level of water, energy, and GHG savings.