



CITY OF POWAY

EPA Community Grant –Project Description

The City of Poway (City) is updating its Potable Water Master Plan (WMP), last completed in 2008, and its Sanitary Sewer Master Plan (SMP), last completed in 2013, collectively referred to as the Master Plans. Update of both documents is necessary to reflect changes in land use, changes in demand and flow projections, system modifications, and mandated water conservation efforts.

Objectives of the WMP will include update of:

- Land use and water demands;
- Water hydraulic model and calibration;
- Inventory and condition of pump stations and storage reservoirs;
- System evaluation for resiliency, redundancy and fire flow; and
- Ten-year Capital Improvement Program (CIP).

Objectives of the SMP will include update of:

- Land use and sewer generation rates;
- Sewer hydraulic model and calibration;
- Capacity analysis including rainfall dependent infiltration and inflow (RDII) considerations;
- Condition assessment of collection system and lift stations; and
- Ten-year Capital Improvement Program (CIP).

The recommended Water and Wastewater CIPs developed during the master planning process will form the basis for capital facility needs, water and sewer rate evaluations, and long-range financial plans to be completed in separate financial studies. The Master Plans will be developed in parallel with one another and primarily consist of data collection and review, workshop meetings, site visits to existing facilities, desktop analyses, development of project descriptions and planning level cost estimates, and report preparation and presentation to the City.