

## CCWD Planning Department:

The Planning Department conducts Master Plans to identify future capital projects, Preliminary Engineering Studies to address immediate system improvements and Special Studies to develop and implement new projects such as alternative energy facilities and regional water treatment projects. Typical Department responsibilities include performing hydraulic modeling analyses and completing environmental documentation reviews.

### Assignment/Description:

**Assist in preparing Master Plan documents including the Urban Water Management Plan and the Water Treatment Plant Master Plan:** Perform conservation, demand, and population data analyses. Integrate and summarize information from a variety of sources to develop Master Plan documents.

**Perform Hydraulic Modeling Assignments:** Utilize the District's hydraulic model to analyze the distribution system. Assist in developing documentation, templates and protocols for system impacts analyses. Coursework in computer modeling software or programming is desirable.

**Assist with Pipeline Renewal and Replacement Prioritization:** Analyze database of pipeline leaks and breaks to produce a priority list of pipelines to be replaced. Develop improved record-keeping and database management systems.

**Assist with permitting of Capital Projects:** Work with in-house staff and regulatory agencies to secure necessary permits for Capital Projects.

**Perform Greenhouse Gas Inventory:** Perform update of the greenhouse gas emissions audit. Tasks include surveying emissions resulting from electricity, natural gas usage, and other sources, performing calculations, and presenting the results to District staff.

### Develop Energy Management Projects:

Assist in the analysis and implementation of energy generation or use projects. Examples include hydropower, pump motor replacements, and software projects.



**Questions?** Call Cheryl Martinez in CCWD Human Resources at (925) 688-8035 or send her an e-mail at [cmartinez@ccwater.com](mailto:cmartinez@ccwater.com)