ProjectSummary



Valencia Water Company – Water Budgeting

Highlights

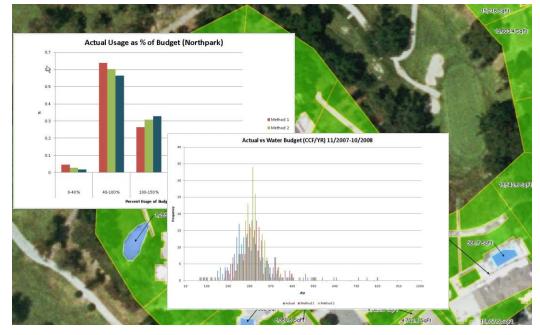
- Historical Consumption Review
- Review of Different Methods
- GIS Based Approach

Benefits

- Reports and Data for Conservation
- Integration with Billing System
- Allow for Variances

Project Owner

 Valencia Water Company



The Valencia Water Company (Valencia) serves approximately 94,000 people in the Santa Clarita Valley, including Valencia, Stevenson Ranch, and portions of Newhall, Saugus and Castaic. The customer base is approximately 86% residential, with the remaining 14% consisting of commercial, industrial, public authority and irrigation customers.

Valencia is committed to delivering a dependable supply of safe, reliable water while providing thorough, friendly and efficient service at a reasonable cost. Along with ensuring excellent service to customers, Valencia recognizes that efficient use of water by its customers is one of the company's highest priorities. Therefore, Valencia is investigating implementing a customer based water budgeting program to provide customers with specific information about their water use. Information derived from the program can also be used as a water demand forecasting tool to plan for the future. GIS is a key working component of the water budget program and VWC is already implementing Esri's ArcGIS Server and Desktop with extensions.

DCSE had earlier forecast water demands for Valencia using the Water Demand Forecaster, and built a geodatabase from as-builts. Valencia's service area consists of over 40 communities categorized by land use. The Water Demand Forecasting study already identified the land use type for each parcel and the geodatabase had meters linked to billing system during data development stage.

DCSE recently conducted a water budget study to determine the most suitable budgeting methodology for Valencia. The project consisted of a feasibility study, pilot area analysis for three (3) different methods, and the water budget allocation for the customer accounts. This study has enabled Valencia's conservation efforts to gain a significant momentum and is already proving beneficial.



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