U.S. Utility Company

Company Profile

The largest gas and electric utility on the West Coast, serving customers for over 100 years. Over 20,000 employees provide electricity and natural gas to over 15 million people.

Staffing

In this project, Pacific Data Integrators (PDI) delivered staffing services to support several consecutive projects. We provided SmartMeter Architects, Project Managers, Platform Architects, Hadoop Experts, and more.

Summary of Projects

Our consultants worked on the architecture, design, implementation, and deployment of a SmartMeter Data Warehouse, created with Informatica PowerCenter. Our consultants authored all Informatica code base and database table layouts. This project ensured that 250 million rows of SmartMeter data were efficiently loaded every day and allowed 5.5 million utility customers to access interval usage data on the web.

Our consultants also delivered a modern analytics platform that created a unified "single source of truth" repository for enterprise reporting needs regarding Energy Efficiency programs. The new platform leveraged an existing enterprise Data Warehouse repository for usage, program, rebate, kWH/Therms saved, and customer information. This project included implementation of standards for storing business information including energy efficiency implementation data; vendor information; rebate payment information; program, product and customer information. This project reduced the legacy system footprint and reliance, yielding an annualized savings of $2M in operational costs.

The next project included the design and delivery of an archival solution using Hadoop (MAPR). The solution met the utility's FERC requirement of storing interval history and provided the utility department instant access to this data at a 10x price point reduction.

In another project, our consultants implemented a Customer Web Presentment portal in a six-to-eight month time frame. Our people also delivered this project under budget! The new portal will serve as the primary portal for utility customers to view their interval data compared with billing usage amounts.

After the conclusion of these projects, the client was so happy with our staffing choices that they hired our consultants to fill full-time positions.