

Featured Project

Placer County Water Agency SCADA

Auburn, California

ArcSine Engineering designed Supervisory Control and Data Acquisition (SCADA) for 14 sites, plus central sites, located throughout the Agency's service area in the Sierra Nevada foothills.

The project included a communications evaluation, including radio path surveys using ArcSine's in-house equipment. For the remote sites, telephone communications were chosen due to poor radio coverage. The remainder of the sites were designed with unlicensed spread-spectrum radio communications to match other Agency installations.

Each site required a new electric service, as well as instrumentation upgrades. Power company coordination included assessment and design of overhead line extensions in rural areas, and underground work and traffic control provisions in busy right-of-ways. For wholesale customers, including the City of Roseville, interfaces were designed to allow for simultaneous monitoring of flow and pressure conditions by both buyer and seller.

The project also included civil and mechanical upgrades, and in many cases flow monitoring was achieved by approximating meters as appurtenances to valves – a cost-effective approach to obtaining useful flow data.

Electrical
Mechanical
Power Distribution
Construction Services
Controls
Water/Wastewater



"I appreciate your attention to detail, coordination and schedule on this project. I am impressed with your technical performance, as well as effective project management. I am very pleased."

— Anthony Firenzi

