



Our Electrical Engineering Division gives its clients dedicated support through a diversity of services and capabilities. From transportation projects and water/wastewater treatment to hydroelectric power plans and substations, we have developed the experience and capacity to serve our clients through a system that promotes coordination, communication and success.



Capabilities



ELECTRICAL DESIGN AND STUDIES

- Arc Flash Studies
- Electrical System Studies
- Equipment Evaluation
- Short Circuit Calculations
- System Coordination Studies
- Motor Starting Studies
- Load Flow/Voltage Drop



SCADA / TELEMETRY SYSTEMS

- System Analysis
- Process Controls
- Facility Monitoring Systems
- HMI Screen Development
- Real Time Data Collection/Notification
- Fire/Security Alarm Systems
- Hazardous/Remote Location Monitoring and Reporting
- Instantaneous and Accumulated Flow Rate Metering and Reporting
- Tank Level Monitoring and Pump Control
- Solar/Off-Grid Repeater Sites



LIGHTING DESIGN

- Street Lighting Design
- Energy Efficient Lighting Studies
- Lighting Master Plans
- Luminance/Illuminance
- Cost Analysis
- Utility Coordination



POWER AND TRANSMISSION

- Power System Studies
- Distribution and Transmission
- Substation Design
- Wheeling Agreements
- Power Connections
- Municipal Power Systems
- Stand-By Power Systems
- One Line Diagram Upgrades
- Relay Coordination and Upgrade

Sunrise Engineering collaborates with its clients to develop solutions that work well within their project requirements. The result is an optimum balance of cost and operational performance. The majority of our work continues to be performed for repeat clients. These continuing relationships are a reflection of our clients' trust and satisfaction.

Our firm was established in 1978 and is acknowledged as a regional leader for professional engineering and consulting services. Our multi-disciplinary practice serves both public and private clients in a diverse range of projects across the western United States. We have established a reputation for budgetary responsibility and engineering excellence, as evidenced by our receipt of the PSMJ National Client Satisfaction Award for seven consecutive years.

For the past 39 years, Sunrise has been led by an Executive Management Team who shares responsibility for the vision and operation of the firm. Their ability to work together and lead by example has brought continued success. Our current staff includes 240 people, 44 of which are licensed engineers with a broad range of experience and diversity of interests. They are licensed to practice in 17 states.

Twelve Sunrise offices throughout Utah, Wyoming, Arizona and Nevada provide engineering and related services including:

Funding Acquisition

Construction Administration

Civil/Municipal Services

- Wastewater Systems
- Water Systems
- Water Resources
- City Engineering
- Transportation
- Hydrology and Hydraulics

Environmental and Energy

- Hydro-electric Design
- Mining Services
- Geotechnical
- Environmental
- Renewable Energy

Survey and GIS

- Construction Survey
- Boundary Survey
- Mapping
- Asset Management Systems
- Spatial Analysis

Natural Gas and Pipeline

- Natural Gas Design
- Energy Training

Parks and Recreation

- Trails and Natural Areas
- Playgrounds and Skate Parks
- Pavilions and Buildings
- Site and Grading Design
- Utility Infrastructure

Water Rights

- 40-yr Management Plan
- Change Application Preparation
- Water Right Application Analysis
- Water Inventory Management Report
- Current Water Parcel Search
- Water Right Acquisition

Building Inspection

- Plan Review
- Special Inspections
- Building Inspections
- Building Officials

Site Development

- Single Family Residential
- Multi-Family Residential
- Commercial
- Institutional



Our clients can depend on us to carefully administer projects from conceptualization through construction administration. For more information and detailed descriptions of our projects, please visit our website.



sunrise-eng.com