



Sunrise performs feasibility studies and designs for all types of renewable energy projects. With the increase in interest in these projects over the last five to ten years, we have strengthened our experience and understanding of geothermal, hydroelectric, wind and solar energy. We have worked with many types of clients to fully augment their green energy producing systems through the creative design of generation facilities. We have also worked with regulatory agencies for years in the coordination of green energy projects. We understand the processes necessary to streamline the design of our clients' projects. As Sunrise partners with our clients in the design and construction of renewable energy projects, we plan for the best in design, construction, and facility startup.



Capabilities



GEOTHERMAL ENERGY

- Regional Exploration
- Site Assessment
- Permitting
- Environmental Services
- Well Siting and Drilling Supervision
- Lease Development
- Engineering and Economic Feasibility
- Facility Plans and Design



HYDROELECTRIC ENERGY

- Hydroelectric Design
- Feasibility Studies
- Hydraulic Design
- Powerhouse Design
- Electrical and Controls
- Turbine Selection
- Environmental Services
- Fish Screen/Ladder Design
- Construction Review
- Construction Administration



SOLAR ENERGY

- Licensing and Permitting
- Regulatory Issues
- Site Design and Assessment/Evaluation
- Pad Design and Mount
- Electrical Engineering and Transmission
- Substation Design and Layout



WIND ENERGY

- Preliminary Site Characterization
- Cost Economics
- Civil Design
- SCADA and Controls
- Carbon Credit Offset Calculations
- Permitting and Planning
- PPA and Interconnect Services
- Transportation Planning

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

Electrical Engineering

- Facility Design
- Transmission
- Substation
- Instrumentation and Controls
- SCADA
- Cathodic Protection

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