



Job Opening: CAPITAL PROJECTS ENGINEER (ELECTRICAL)

\$130,000 – \$190,000 annually

For full details on the position and directions on how to apply:

<https://sonomacleanpower.org/job-opportunities>

Are you ready to lead the charge in shaping the future of local clean energy? Join Sonoma Clean Power (SCP) as the Capital Projects Engineer!

SCP is on the lookout for an experienced Engineer to play a key role in delivering on our Mission to turn the tide on the climate crisis, through bold ideas and practical programs. As the community-owned electricity provider for Sonoma and Mendocino counties, SCP is at the forefront of California's clean power transition, and we need an innovative thinker like you to join our team!

About Sonoma Clean Power (SCP)

SCP is not just an electricity provider; we are a catalyst for change. We procure electricity from clean, renewable sources including solar, wind and geothermal. Our commitment to clean energy has made us a leader in the industry, and we've been providing an optional 100% local renewable source since 2014.

Summary Description

As our Engineer, you'll perform planning, design, construction and ongoing operation of major and or capital improvements, including office buildings, parking facilities, energy production facilities, electrical energy storage facilities, micro grids, infrastructure projects with large or complex funding mechanisms, budgets and timelines, and numerous technical elements to be integrated. Assignments range from modification and retrofitting of existing facilities to project design to new construction and operation. The Capital Projects Engineer will manage consultant teams associated with large, multi-year projects and programs.

The ideal candidate will have strong skills in engineering, construction management, contract management, technical and financial aspects of electric energy production and distribution, and electricity grid interconnection. B.S. in electrical engineering is required and valid registration as an Electrical Engineer in the State of California is preferred.

Visit www.sonomacleanpower.org to learn more about SCP.

To apply, please email a cover letter, resume, and references as a single PDF to:
jobs@sonomacleanpower.org.

THE SONOMA CLEAN POWER AUTHORITY IS AN EEO/ADA EMPLOYER



CAPITAL PROJECTS ENGINEER - Electrical

\$130,000 – \$190,000 annually

SUMMARY DESCRIPTION

The Capital Projects Engineer position performs planning, design, construction and ongoing operation of major and or capital improvements, including office buildings, parking facilities, energy production facilities, electrical energy storage facilities, micro grids, infrastructure projects with large or complex funding mechanisms, budgets and timelines, and numerous technical elements to be integrated. Assignments range from modification and retrofitting of existing facilities to project design to new construction and operation. The Capital Projects Engineer will manage consultant teams associated with large, multi-year projects and programs. Tasks include providing engineering design, managing RFPs, managing consultants and contractors, creating and controlling project budgets, and quality assurance of design and construction. The Capital Project Engineer will also provide internal SCP engineering support.

This position requires strong skills in engineering, construction management, contract management, technical and financial aspects of electric energy production and distribution, and electricity grid interconnection.

REPORTING AND SUPERVISION

This position will report to the Director of Capital Projects and Engineering. The Capital Projects Engineer exercises significant management of consultants and contractors.

The FLSA classification of this position is Exempt.

ESSENTIAL JOB FUNCTIONS

These job functions, in general terms, describe the type and level of work performed as well as the responsibilities of employees hired for this position. Management reserves the right to add, modify, change, or rescind the work assignments of any position and to make reasonable accommodations so that qualified employees can perform the essential functions of the job.

The Capital Projects Engineer will:

- Provide feasibility analyses and technical evaluations of potential projects.
- Develop technical specification and engineering designs.

- Manage multiple projects (including third party engineers, architects, consultants and contractors).
- Create and maintain project schedules, timelines, and deliverable requirements.
- Provide quality assurance of engineering designs in accordance with project goals as well as with local codes and standards.
- Provide construction oversight and quality assurance including responding to RFIs and creating punch lists.
- Maintain project documentation including design, construction, and as-built documents.
- Develop and manage multiple project budgets.
- Provide progress reports.
- Write staff reports and present at Board and Committee meetings.
- Have the ability and understanding to adhere to the Personnel Rules and Policies of SCP.
- Perform related duties and responsibilities as required.

REQUIRED QUALIFICATIONS

Any combination of experience and training that would likely provide the required knowledge and abilities is qualifying. A typical way to obtain the knowledge and abilities would be:

Education: Bachelors of Science (B.S.) degree in electrical engineering from an accredited college or university, **AND**,

Experience: Seven (7) years of professional engineering experience, including electrical grid interconnection and capital project management, **AND**,

Other:

- Ability to travel to job sites and potential job sites within a reasonable driving distance.

DESIRED KNOWLEDGE, SKILLS AND ABILITIES

Knowledge and skills:

- Regulatory and legislative activities relating to power plant and electric storage facility siting, interconnection, and operation
- Principles of electricity generation, energy technologies, energy efficiency, electrification, electricity storage and electric grid infrastructure.
- Building electrical systems, including load calculations and requirements for accommodating electric vehicle charging and all-electric building equipment.
- Principles, practices, and methods of project management.

- Principles and practices of Engineering programs, municipal utilities, and design/construction project management.
- Principles of design, construction, right-of-way acquisition/relocation, and maintenance of public works projects.
- Federal and State codes and regulations governing engineering and public works projects.
- Principles and practices of government projects, contracts, and budget management.
- Principles and practices of public administration, including personnel rules, cost accounting, budgeting, policy development, procurement, contract management, records management, and employee supervision.
- Reviewing and analyzing technical issues, evaluating alternatives, and making recommendations based on findings.
- Reviewing engineering documentation such as project designs, technical plans, specifications, estimates and related reports. Interpreting and applying engineering and safety standards.
- Reviewing construction documentation including contracts, bidding documents, schedules, RFIs, change orders, as-builts, daily reports and logs, submittals and shop drawings, inspection records, as-built drawings, punch lists, and closeout documents.
- Interpreting and applying engineering and safety standards, complex variables, State and Federal regulations.
- Basic science of greenhouse gas emissions, mitigation and adaptation.
- Mission, goals, policies and purposes of Sonoma Clean Power Authority.
- Possession of a valid Registration as an Electrical Engineer in the State of California is preferred.

Ability to:

- Assess and prioritize multiple tasks, projects and demands.
- Develop and conduct requests for proposals, negotiate, implement and manage contracts.
- Establish effective and cooperative working relationships with SCPA staff, customers, local businesses, community groups, interested stakeholders, the Board, and elected officials of municipalities, agencies, special districts, and other related agencies.
- Establish and maintain effective working relationships with co-workers, public officials, and representatives from other local, state, and Federal agencies.
- Work independently, using good judgment and initiative in carrying out assignments; Set goals and priorities and carry out multiple assignments concurrently; think strategically to mitigate political and regulatory impediments to program development.
- Review, monitor, and interpret engineering, scientific, and environmental reports; prepare clear and accurate reports.

- Communicate clearly and concisely, both orally and in writing; speak effectively in public to large groups.
- Operate a personal computer utilizing specialized engineering software.

WORKING CONDITIONS

The physical and mental demands described here are representative of those that must be met by employees to successfully perform the essential functions of this class. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential job functions.

Environment: Normal office environment with exposure to computer screens. Site visits to potential project sites and areas under construction with related construction noise will occur, as necessary. Employees will interact with staff and/or public and private representatives in interpreting and enforcing SCP's policies and procedures one-to-one and in group settings.

Physical: While performing the duties of this class, employees are regularly required to sit, walk, and stand inside buildings and outside at jobsites with uneven ground; have the ability to reach with hands and arms. Employees are occasionally required to walk and stand for prolonged periods; stoop, bend, kneel, and twist; and may lift up to 20 pounds. Employees must be able to communicate in person, in writing, and by telephone.

Vision: See in the normal visual range with or without correction; vision sufficient to read computer screens and printed documents; and operate assigned equipment.

Hearing: Hear in the normal audio range with or without correction.

Mental: While performing the duties of this class, the employee is regularly required to use written and oral communication skills; read and interpret data, information and documents; analyze and solve problems; observe and interpret situations; learn and apply new information or skills; perform highly detailed work; work on multiple concurrent tasks; work with frequent interruptions; work under intensive deadlines; interact with SCP management, Board, staff, vendors, the public, and others encountered during the course of work.

SCP actively works to provide an inclusive work environment, where people of different ethnicities, national origins, native languages, races, skin colors, sexes, genders, sexual orientations, ages, physical abilities, genetics, politics, religion, financial wealth, and education feel welcome, safe, and invited to fully participate at every level. SCP further seeks to contribute to a more inclusive and equitable society through our actions, our communication, our policies, and our investments. SCP expects all its employees to contribute to these goals.

**SONOMA CLEAN POWER IS AN EQUAL EMPLOYMENT OPPORTUNITY
(EEO)/ AND AMERICAN DISABILITIES ACT (ADA) EMPLOYER**