

Program Engineer

Are you passionate about solving our climate crisis? Do you wonder why the transition to clean technologies and a modern electric grid is taking so long? Do you want to tackle these problems in a fast-paced and innovative workplace?

The Clean Coalition seeks a full-time Program Engineer **based in the Santa Barbara or Menlo Park, California areas** to advance our Community Microgrid Initiative. Community Microgrids provide a new approach for designing and operating the electric grid, relying heavily on distributed energy resources (DER) to achieve a more sustainable, resilient, and cost-effective energy system. Community resilience is a key driver for the microgrid systems we design and build. More information can be seen on our website: clean-coalition.org.

About the Clean Coalition

The Clean Coalition is a nonprofit organization whose mission is to accelerate the transition to renewable energy and a modern grid through technical, policy, and project development expertise. The Clean Coalition drives policy and program innovation to remove barriers to adoption of DER such as local renewables, energy storage, demand response, and advanced inverters. We research and establish market mechanisms that allow these solutions to scale up. The Clean Coalition collaborates with utilities, municipalities, engineering firms, and technology companies to deploy projects that prove the technical and economic viability of DER.

The role

The Program Engineer will play a vital role in supporting and managing key technical aspects of Community Microgrid development. This role requires willingness to learn, the ability to reprioritize tasks, and the flexibility to support multiple projects. This role collaborates with the Lead Engineer and Program Director. Much of the Program Engineer's work can be done from a home office, but there will be regular requirements for in-person participation in meetings and events. This job requires an engineering background, renewable energy design experience, and excellent communication skills. Strong candidates have hands-on experience developing renewable energy microgrids from feasibility analysis through construction.

Job responsibilities

- Support microgrid scoping, design, and development activities
- Analyze utility bill and interval data
- Design microgrid sub-systems and write technical specifications (solar PV system sizing, battery system sizing, electric vehicle charging infrastructure, electrical infrastructure upgrades, etc.)

- Develop conceptual designs, block diagrams, single-line diagrams, and site layouts
- Support proposal writing efforts for RFPs, consulting contracts, and government grants
- Write and review technical reports and white papers
- Develop and review slide presentations and customer-facing collateral and graphics, including tables and charts

Requirements

- Electrical, mechanical, or civil engineering degree or equivalent.
- Project development or construction experience
- Electric industry knowledge
- Excellent communication skills including writing, speaking, and presenting
- Ability to work independently and collaboratively with technical and non-technical team members and clients
- Proficiency with Microsoft Office (Word, PowerPoint, and Excel) and Google Suite

Preferred experience

- Master's degree in Electrical Engineering
- P.E. license
- Experience scoping, designing, specifying, installing, and operating grid-connected microgrids and/or their sub-components (primarily solar and energy storage)
- Familiarity with power engineering, the distribution grid, its components, and the interactions of those components
- Experience with project finance and ability to incorporate tax incentives (ITC, SGIP, etc.) into economic analyses
- Familiarity with producing electrical and civil drawings using drafting software (AutoCAD, Revit)
- Proficiency with software to support design of solar and energy storage systems and/or building energy modeling/microgrid modelling software

Application process

Please send, in a single attachment, a cover letter, your resume, and a brief piece of original technical writing to frank@clean-coalition.org. The subject of the email should read "Program Engineer." In the body of the email, please indicate how you became aware of this job posting.

The Clean Coalition provides equal employment opportunities to all employees and applicants for employment without regard to race, color, religion, sex, national origin, age, disability, or genetics. In addition to federal law requirements, the Clean Coalition complies with applicable state and local laws governing nondiscrimination in employment in every location in which the company has facilities. This policy applies to all terms and conditions of employment, including recruiting, hiring, placement,

promotion, termination, layoff, recall, transfer, leaves of absence, compensation, and training.