



JOB DESCRIPTION – Agrivoltaic Design and Community Solar Intern

Golden State Renewable Energy (GSR Energy) is a California based pure-play energy storage, and solar PV project development company focused on behind the meter and strategically located front of the meter projects. The company was founded on the principle that solar PV, energy storage and EV charging infrastructure interconnected at the distribution-level provides the most benefits to community stakeholders and electricity providers. GSR Energy utilizes Tier 1 battery/solar PV supply and partners only with engineering & construction firms and financial entities with a demonstrated track record of success.

JOB DESCRIPTION

GSR Energy is seeking an enthusiastic interdisciplinary intern to join our team in the design and development of an agrivoltaic community solar project model. The intern will work closely with our community solar team to help plan, design and implement community solar projects that bring affordable, clean energy to underserved communities. The intern will utilize GIS mapping tools, and other given resources to develop and design an innovative agrivoltaic system that integrates 5MW of solar energy production with sustainable agriculture practices, on roughly 30-50 acres of land.

Responsibilities:

- Assist with the design and development of agrivoltaic systems, including system layout, plant selection, and solar panel orientation.
- Conduct analysis to evaluate the feasibility of agrivoltaic systems in various locations (i.e. San Joaquin Valley, Kern County, Etc.)
- Conduct research and analysis on agrivoltaic technologies and best practices.
- Help develop educational materials and resources for farmers and landowners interested in implementing agrivoltaic or community solar systems.
- Support the development of financial models and business plans for agrivoltaic projects
- Possibility to participate in meetings and discussions with farmers, landowners, and other stakeholders.
- Support the development and implementation of data management and reporting systems for the community solar projects.

Qualifications:

- Currently enrolled in or recently graduated from a degree program in a relevant field such as environmental science, sustainable agriculture/design, or renewable energy
- Knowledge of sustainable agriculture and renewable energy concepts and practices
- Strong research, analytical, and writing skills
- Excellent communication and interpersonal skills
- Demonstrated ability to work independently and as part of a team

- Familiarity with software and design tools
- Passion for sustainable agriculture, climate action, renewable energy, social and environmental justice issues.

This is a part-time internship position (15-20 hours per week) with a minimum commitment of three months. The intern will have the opportunity to gain valuable experience in agrivoltaic system design, project development and management, as well as to contribute to meaningful projects that advance sustainable agriculture and renewable energy. This internship is currently remote due to the COVID-19 pandemic- but may require in-person meetings and site visits in the future.

Determining a good site for community solar involves considering several factors, including:

1. Solar potential: The site should have adequate solar resources, with good exposure to the sun throughout the day and year. This can be determined by analyzing historical solar irradiance data or conducting a solar site survey.
2. Coal Communities, Energy Communities, and DACs: A coal community is economically dependent on the coal industry for jobs and income. Energy communities source at least 25% of their local tax revenues from fossil fuels. A disadvantaged community is a community that experiences disproportionate impacts from environmental, social, or economic stressors. These communities are often more vulnerable to the impacts of environmental hazards, such as air and water pollution, extreme weather events, and climate change.
3. Grid connection: The site should be near suitable electrical infrastructure, with a connection to the power grid that can handle the output of the solar installation. It's important to consider the cost of interconnection and any potential limitations or constraints on the grid connection.
4. Ownership and land use: The site should have a clear ownership structure, and the land use should be suitable for solar development. Considerations may include zoning regulations, environmental impact assessments, and any local restrictions on land use. Additionally, we are not developing on prime farmland, and looking to develop these projects on feral, disturbed, or underproductive farmlands.

POSITION REQUIREMENTS

Demonstrated experience with a mapping software such as google earth, ArcGIS or other. Bachelor's degree preferred, though coursework at a California-based community college will suffice.

Sincere desire, and willingness to work hard toward the equitable distribution of renewable energy in disadvantaged communities. In addition to supporting the symbiotic relationship between the development of renewable energy projects and eco-friendly land use solutions.

Familiarity with Microsoft Office Suite

Strong organizational skills and multitasking ability, with extreme attention to detail.

Flexible, self-motivated, and self-starter who is comfortable in a hardworking, unapologetically-candid working environment where excellence is expected and rewarded.

HIRING DETAILS

Reports to: Project Development lead based in San Francisco, CA

Working Environment: Remote / Flexible (remote office or co working space on San Mateo coastside). Candidate based in California, Arizona or Nevada preferred.

Hire Type: Full-time 6-month Internship with strong growth potential

Email cover letter and CV to emma@gsr-energy.com