

SOLAR SYSTEM DESIGNER

About Us	<p><i>Resonant Energy's mission is to build wealth in environmental justice communities through the development of solar and storage projects for nonprofits, affordable housing, and homeowners. We believe that the benefits of clean energy should be within reach for everyone – not just the wealthy. We are realizing this vision with innovative financing options and a focus on operational excellence. We are B-Corp certified and 100% employee-owned, and we take our commitments to our staff and partners very seriously. After seven years of hard work, we are proud to be the #1 solar provider for affordable housing and nonprofits in the Northeast. And we're just getting started.</i></p> <p>Please visit www.resonant.energy for more information.</p>
Location	109 Kingston Street, Boston, MA 02111
Supervisor	Pavel Saman, Senior Solar Design Manager
Target Start Date	June 2024
Criteria for Success	<p>We are seeking candidates who:</p> <ul style="list-style-type: none"> ● Are creative problem-solvers who stay positive in the face of setbacks ● Are excellent communicators, even when situations are busy or tense ● Enjoy frequent, active engagement with project stakeholders ● Appreciate efficient processes and clear organization ● Enjoy directing their own work (with guidance from manager) <p>If these characteristics describe you, we would love to review your application.</p>
Description	<p>The Solar System Designer's primary responsibilities are to conduct detailed evaluations of sites owned by our nonprofit and affordable housing clients for solar feasibility analysis and to develop solar PV system designs from initiation to approval. This includes creating single line diagrams and other technical documentation required for interconnection applications to the utility grid, ensuring adherence to applicable codes and standards. The role involves close collaboration with the Sr Solar Design Manger and the Project Management Team, overseeing the technical aspects of system design, and providing support during system commissioning.</p>
Responsibilities	<ul style="list-style-type: none"> ● Assess potential solar project sites to determine feasibility and design requirements; use site audit and design platform (e.g., Scanify drone system) to capture site images and gather data

- Develop comprehensive solar PV system designs, including photovoltaic layouts, electrical single-line diagrams, and system specifications.
- Engage with utility companies to understand interconnection requirements and process interconnection agreements.
- Utilize solar design and shading analysis software (e.g., Scanify and Aurora) to optimize system performance.
- Coordinate with stakeholders to collect necessary site data, technical information, and to ensure design compliance with local codes and regulations.
- Provide technical support during the installation phase to ensure adherence to design specifications.
- Update and maintain project documentation within the company's database, ensuring accuracy and accessibility of design records.
- Collaborate with cross-functional teams to streamline design processes and workflow.
- Monitor industry trends and updates in solar technology to continually improve design practices.
- Support financial analysis of projects by providing design-related inputs and cost estimates.

Requirements

Education:

- Bachelor of Science in Electrical Engineering, Mechanical Engineering, or related field preferred.
- Comparable industry experience or relevant vocational training, particularly in technical or design aspects of solar PV systems, will be considered equally valuable.

Experience:

- At least one year of prior experience in solar design or electrical engineering is required.
- Familiarity with technical aspects of solar systems, electrical diagrams, and regulatory codes is advantageous.
- Drone pilot's license and operational experience with flying drones is preferred.

Language:

- Strong communication skills required.

Computer Skills:

- Proficiency in design software such as AutoCAD is highly desirable.
- Competence in Google Workspace (Gmail, Docs, Sheets) and Microsoft Office (Word, Excel) is essential.
- Experience with Adobe Illustrator or similar design tools would be beneficial.

Travel:

	<ul style="list-style-type: none"> • Role involves periodic site visits for assessment and design purposes. A valid driver’s license is required. • Access to a vehicle is preferred; we reimburse miles traveled (except commuting) at the federal rate. • The company reimburses mileage at federally set rates. <p><i>Availability:</i></p> <ul style="list-style-type: none"> • A minimum of 35 hours per week during Resonant hours of operation, 9 AM - 5 PM or 8 AM - 4 PM, Monday-Friday (including 1 hour per day for lunch). <p><i>Hybrid Schedule:</i></p> <ul style="list-style-type: none"> • A hybrid schedule of 3 in-person days and 2 remote work days per week, following a three-month training period. • Our office in Boston’s Chinatown neighborhood is spacious, with lots of natural light and easy accessibility from South Station • In addition to the hybrid schedule, the option for 6 weeks of fully remote work is available as part of the company’s flexible work policy.
<p>Compensation & Benefits</p>	<p>\$70,000 - \$80,000</p> <ul style="list-style-type: none"> • Wellness: 100% paid premiums for healthcare and dental insurance • Retirement: Simple IRA with employer match up to 3% of salary • Paid Time Off: 13 paid time off (PTO) days, 5 sick days/year, bereavement leave, voting leave, protest days off, 13 federal holidays recognized; more PTO days granted as time at the company increases • Transit: Monthly T-pass, Commuter Rail reimbursement, or Bike allowance available • Professional Development: Dedicated budget for all staff members • Mental Health Budget: \$100 payments available per month • Employee Owner Track: On track for employee ownership, eligibility to apply on the third work anniversary, additional benefits include: <ul style="list-style-type: none"> ○ Unlimited paid time off ○ Decision-making authority ○ \$20k worth of B-class shares
<p>EOE Statement</p>	<p>Resonant Energy is an Equal Opportunity / Affirmative Action employer committed to diversity in the workplace. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, disability, protected veteran status or any other factor protected by applicable federal, state or local laws. Individuals who require reasonable accommodations under the Americans with Disabilities Act in order to participate in the search process should notify our Office of Human Resources.</p>
<p>Apply</p>	<p>Please submit your resume and a brief cover letter here.</p> <p>We welcome the opportunity to review applications from candidates who do not meet one or more of the requirements above. We seriously consider alternative types of experience that would make the applicant successful, for example,</p>

vocational training, on-the-job experience, or apprenticeships. We strongly encourage women and people of color to apply for this role. For more detail, feel free to review our [DEI Statement](#).