



Solas Energy Consulting is recruiting a Senior Renewable Energy Engineer / Project Manager (P.Eng.) to join our Canadian team. We are seeking an experienced engineer with a strong electrical power background, utility-scale renewable energy experience, practical field exposure, and a genuine interest in developing renewable energy facilities. This position is intended for a licensed Professional Engineer who can lead multidisciplinary project work, advise clients on development strategy, manage technical and commercial interfaces, and interpret electrical engineering information in support of sound project decisions. The successful candidate will combine project leadership and development judgement with sufficient electrical depth to critically review designs, interconnection information and power-system studies without acting as the detailed design engineer.

Candidates should have direct experience with the development, engineering or delivery of utility-scale solar, wind and/or battery energy storage systems (BESS), together with field exposure such as site visits, construction support, testing or commissioning. Strong experience with renewable project development, project management, utility interconnection, technical due diligence and stakeholder coordination is required. The successful candidate should also be capable of developing and reviewing solar and BESS performance models, including PVSyst-based solar energy modelling and appropriate storage modelling tools. Experience working in British Columbia, Alberta or Ontario, and familiarity with Canadian utility, market and regulatory requirements, are assets. Excellent technical writing, client communication and project leadership skills are essential. This position does not require stong have direct reports.

At Solas Energy, clients trust us to deliver timely advice so they can make the best decisions possible for their projects. We have earned that trust by taking an innovative approach to our work, by efficiently and accurately identifying solutions for our clients' unique challenges, and by uncovering opportunities for strategic growth. We're looking for someone who values this approach and is seeking an opportunity to contribute to our net zero future.

Location: Flexible, though the successful candidate must be eligible to work in Canada. Remote work is an option. Calgary-based candidates will work a minimum of 3 days in the head office.

Hours: This is a full-time position of 40 hours per week. Working hours are flexible, with the expectation that the individual is generally available between 9am and 4pm Mountain Time. General hours of availability may be adjusted for candidates based in other time zones.

Compensation: To be determined based on experience. The anticipated salary range for this role is \$110,000 - \$135,000 CAD. Solas Energy offers a flexible benefit plan including health insurance, flexible spending account, and RRSP matching contributions.

To apply, please send your cover letter and resume as one PDF document to careers@solasenergy.com. Please use the subject line: Senior Renewable Energy Engineer / Project Manager (P.Eng.) Application. In your cover letter, please include your preferred start date and working location.

Thank you for your interest in working with Solas Energy!
Applicants selected for interview will be contacted as applications are received.

Senior Renewable Energy Engineer / Project Manager (P.Eng.)

Purpose of Position

The Senior Renewable Energy Engineer / Project Manager (P.Eng.) leads multidisciplinary advisory and project-management assignments for the development and evaluation of utility-scale solar, wind and battery energy storage projects (BESS) across North America. The role combines renewable energy development strategy, project leadership, technical due diligence, interconnection advisory, solar and storage modelling, and senior client coordination. The successful candidate will use a strong electrical power background to interpret and challenge detailed engineering information, assess collection and transmission concepts, identify interconnection and design risks, and advise clients on technical implications without serving as the project's detailed design engineer. The position will also lead feasibility and development work, coordinate internal and external specialists, manage project scope, budget and schedule, and help clients advance projects from early-stage concept through development, financing, construction and operation.

Primary Job Tasks and Responsibilities

- Lead multidisciplinary renewable energy advisory and project-management scopes for utility-scale solar, wind and BESS projects, including feasibility, development strategy, technical due diligence, interconnection, design review, construction-phase support and commissioning advisory.
- Review electrical design criteria, single-line diagrams, equipment specifications, detailed design packages and technical memoranda prepared by EPC contractors, OEMs, utilities and third-party engineers. Identify material design issues, gaps and risks and translate their implications for project development, cost, schedule, constructability, performance and bankability.
- Review medium- and high-voltage collection and transmission concepts, including substations, transformers, switchgear, cabling, grounding, protection and control, metering, SCADA and auxiliary power systems. Advise on collection-system configuration, point-of-interconnection strategy, transmission-level considerations, major equipment requirements, electrical losses, constructability and the likely capital-cost and schedule implications of alternative approaches.
- Review power-system and interconnection studies prepared by utilities or specialist consultants, as applicable, including load flow, short-circuit, protection coordination, grounding, harmonics, reactive power, voltage-control and grid-compliance assessments. Interpret results for clients, challenge key assumptions where appropriate, and advise on system upgrades, mitigation options, interconnection cost and schedule risks.
- Develop and advise on interconnection strategy, including point-of-interconnection options, utility study processes, grid-code requirements, connection agreements, transmission upgrades and ownership boundaries. Integrate technical findings with development, commercial and schedule considerations to support project decisions.
- Develop and review solar and BESS performance models to support project development and due diligence. For solar projects, prepare and assess PVSyst models, loss assumptions, DC/AC configuration, equipment selections, clipping, availability, curtailment and energy-yield sensitivities. For BESS projects, develop or review dispatch, degradation, augmentation, availability, efficiency and operating-assumption models appropriate to the assignment.
- Lead or support technical due diligence for acquisitions, financings and project decisions by coordinating review of engineering, energy yield, interconnection, equipment, construction, permitting and operating information. Synthesize specialist findings into clear conclusions on project risks, mitigations, CAPEX, schedule and technical bankability.
- Conduct and document project site visits, construction observations and commissioning reviews as required to validate development assumptions, assess progress and constructability, identify material issues, and support technical due diligence or owner-advisory assignments.
- Act as a senior coordination point among clients, utilities, developers, EPC contractors, OEMs, environmental and permitting teams, land and GIS specialists, financial advisors and other consultants. Drive decisions, clarify responsibilities, manage interfaces and maintain momentum across multidisciplinary workstreams.

- Provide senior technical review and quality assurance for advisory deliverables and engineering-related conclusions. Apply professional engineering judgement to determine when specialist input or formal engineering authentication is required and authenticate work only where appropriate to the assignment, authorized jurisdiction and Solas Energy quality-management procedures.
- Manage client projects and major workstreams, including scope definition, budgets, schedules, resourcing, risk and issue management, change control, deliverable planning, quality review and coordination of internal and external specialists. Proactively identify project-development risks and recommend practical paths to resolution.
- Advise clients on overall renewable project development strategy, including site and technology considerations, interconnection approach, development sequencing, consultant scopes, technical studies, permitting dependencies, procurement strategy, construction-readiness considerations and key decision gates. Prepare clear client-ready reports, feasibility studies, due-diligence memoranda, modelling summaries and presentations, and mentor junior staff in project delivery, modelling and technical review.

Authorities

- This position may include professional engineering signing/authentication authority for work within the successful candidate's authorized jurisdiction(s) of practice where appropriate to the advisory scope, subject to Solas Energy quality-management procedures, assigned responsibility and applicable professional legislation. Detailed engineering design is generally performed by third-party engineering or EPC organizations.

Qualifications

Knowledge and Technical Skills:

- Licensed Professional Engineer (P.Eng.) in at least one Canadian province or territory, in good standing, with ability and willingness to obtain additional provincial registration where project needs require it.
- Bachelor's degree in Electrical Engineering or another engineering discipline with substantial power-generation and electrical-system experience. An electrical, power-systems, power-generation or energy-systems background is strongly preferred.
- Minimum seven years of relevant professional experience, including meaningful responsibility for utility-scale renewable energy development, project delivery, consulting, owner/developer advisory or power-generation projects. Demonstrated progression into project leadership, client coordination or multidisciplinary management is strongly preferred.
- Demonstrated field experience such as site inspections, construction support, commissioning, testing, deficiency resolution or operational troubleshooting on power-generation or electrical-infrastructure projects.
- Strong knowledge of electrical power systems and applicable codes and standards, including the Canadian Electrical Code and relevant CSA/IEEE requirements; familiarity with utility interconnection standards and grid-code requirements is strongly preferred.
- Demonstrated ability to read and critically interpret detailed electrical designs and technical studies for MV/HV collection and transmission systems, substations, transformers, switchgear, grounding, protection and control, SCADA and inverter-based generation. The successful candidate should be able to identify material issues and advise on their project implications without being expected to produce detailed electrical design packages.
- Strong experience evaluating utility interconnection requirements and technical risks for inverter-based resources, including point-of-interconnection options, transmission-level considerations, utility studies, required upgrades, ownership boundaries, cost drivers and schedule implications for solar, wind and BESS projects.
- Strong project-development judgement and quality-review capability, with proven ability to lead client assignments, prepare client-ready advice, manage scopes, budgets, schedules and risks, coordinate multidisciplinary teams, and convert technical findings into actionable development and investment recommendations.
- Not required but strongly preferred, demonstrated proficiency with PVSyst and the ability to independently develop, troubleshoot and review utility-scale solar energy models.

- Not required but strongly preferred, experience with BESS performance, dispatch, degradation or augmentation modelling is also required. Familiarity with power-system analysis platforms such as ETAP, SKM, EasyPower, CYME, PSCAD, PSS/E or DigSILENT PowerFactory is an asset for interpreting specialist studies; direct production of detailed power-system studies is not a core requirement.

Leadership and Interpersonal Skills:

- Demonstrated ability to work effectively in a professional consulting environment with evolving priorities, multiple deliverables and strict deadlines.
- Strong client-facing communication and facilitation skills, including leading project meetings, coordinating multidisciplinary teams, explaining technical and development issues to non-technical audiences, and providing clear recommendations under uncertainty.
- Ability to take abstract or incomplete scopes of work and develop clear, structured, technically defensible work plans, assumptions and review criteria.
- Strong self-management, professional judgement and accountability, with the ability to work independently while recognizing when specialist input or peer review is required.
- Excellent written and verbal communication skills, including technical report writing, review comments, presentations and concise issue escalation.
- Client-focused ability to understand commercial, financing and project-development objectives while maintaining engineering integrity, safety and professional obligations. Demonstrated interest in how renewable projects are originated, permitted, interconnected, financed, constructed and operated is essential.
- Demonstrated ability to mentor junior engineers and analysts, delegate and review work, develop team capability in modelling and project delivery, and build collaborative relationships across multidisciplinary teams.
- Comfortable working in a fully remote or hybrid consulting environment and travelling to project sites as required for inspections, construction support, commissioning and client meetings.
- Some travel within Canada may be required from time to time, less than 30% in total.

Reporting Relationships

- Position will report to the Vice President Renewable Energy and will act as a senior project lead and renewable energy advisor, with responsibility for managing client assignments and coordinating multidisciplinary resources. The role will also serve as a senior internal resource for electrical, interconnection, solar and BESS matters, with project-specific technical authority defined through Solas Energy's quality-management and project-governance processes.
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