

Contracts: Wind Energy Subject Matter Expert

Published 04-Feb-20 by [Adam Lynes-Ford](#)

WIND ENERGY SUBJECT MATTER EXPERT

Date posted: February 3, 2020

Closing date: February 18, 2020

Job type: Contract

Start date: Early/Mid March 2020

Compensation:

We are hiring two SME contractors:

Subject Matter Expert 1: \$4,000, including GST (estimated 50 hours)

Subject Matter Expert 2: \$2,000, including GST (estimated 25 hours)

Contract timeline: Primary work period between March and June 2020. Final deliverable due October 2020

Location: Remotely, location flexible

CONTRACT OVERVIEW

If you are excited about making a difference in the lives of fossil fuel sector workers, contributing to renewable energy opportunities for Indigenous communities, and helping transform the Canadian energy industry, don't miss this exciting opportunity at Iron & Earth! Iron & Earth is developing a 5-10 day wind training program, customized for upskilling fossil fuel industry and Indigenous workers into the renewables industry. The training programs will be entirely mobile, allowing us to bring the training to communities that need it the most and will include vital hands-on experience.

The Wind Energy Subject Matter Expert will work with a team of other subject matter experts, and Instructional Designer and a Graphic Designer to design and develop these three training programs.

ABOUT IRON & EARTH

Iron & Earth formed around the lunchroom tables of the oilsands during an oil price crash which resulted in over 100,000 oilpatch employees losing their jobs between 2015 and 2017. We realized that our trade skills were transferable to the renewable energy industry and recognized the urgency of diversifying into these technologies. Beyond the financial benefits,

we were excited about the opportunity to help build a more sustainable energy industry. So, in Spring 2016 we launched Iron & Earth to create a better future for ourselves, our coworkers, and the planet. Since then we have built a membership of over 800 fossil fuel industry workers passionate about our vision.

Our top-level goal is to help ensure a prosperous transition towards global carbon neutrality by 2050. Our mission in pursuit of this goal is to empower fossil fuel industry and Indigenous workers to build a sustainable energy economy. Our vision is that fossil fuel industry and Indigenous workers will play a leading role in building the energy infrastructure required to reach global climate targets. We are a nonprofit, nonpartisan organization.

ABOUT THE ROLE

The Wind Subject Matter Experts will contribute to the course design, content development and technical writing for the training program. The Wind SME will collaborate with a team of other SMEs, including experts in Indigenous ways of knowing.

The training will be tailored for fossil fuel sector and Indigenous workers and include two days of hands-on installation of a working micro wind energy system. The program will also incorporate Indigenous perspectives on renewable energy and content related to climate change, energy efficiency, and the future of sustainable energy in Canada and the world.

DELIVERABLES & RESPONSIBILITIES

• Responsibilities:

- In collaboration with an instructional designer, graphic designer, and other subject matter experts, produce a 5-10 day wind training program
- Provide expert input on all course materials including course outlines and descriptions, instructor guides, learner guides, train-the-trainer materials, and PowerPoint presentations with speakers' notes
- Ensure that programs adhere with certifying bodies' (North American Board of Certified Energy Practitioners) learning objectives
- Develop evaluation processes for the training program to reflect certifying bodies' evaluation requirements
- Ensure the training program aligns with industry needs

• Key Deliverables:

- Training materials for a 5-10 Day Community Wind Skills program complete by June 30, 2020
- Complete iteration of training materials for all three programs to reflect trainee, instructor, and accreditor feedback: September 30 - October 31, 2020

ABOUT THE RENEWABLE SKILLS INITIATIVE

Iron & Earth is developing three training programs (one wind, and two solar) as a part of Iron & Earth's Renewable Skills Initiative. The Renewable Skills Initiative is designed to build up the workforce required to fill the growing need for skilled solar and wind energy industry workers, while empowering our core constituency of fossil fuel industry and Indigenous workers to enter these industries. Our goal is to have gender parity in our programs.

In the first phase of this initiative, Iron & Earth and the Louis Bull Tribe completed the Louis Bull Solar Daycare project, where fossil fuel industry workers and Louis Bull Tribe community members were trained in solar through the installation of a solar energy system on the roof of the community daycare.

The goal of the next phase is to establish the training programs we need in order to bring similar sustainable energy training programs to over 70 communities across Canada by 2025.

The 5-Day CSA Solar Skills program will be designed to prepare journeyman and apprentice electricians to write the CSA solar PV exam. The community wind and solar community-based programs will be accessible to all community members that have a minimum of Grade 10 education, limited to the non-electrical scope of projects.

REQUIRED AND PREFERRED APPLICANT QUALITIES

Mandatory qualifications

- Extensive experience in the wind industry
- Experience working as a wind technician, or other relevant experience in the wind industry
- Knowledge of the technical aspects of wind energy, the wind industry, and the wind energy job market
- Experience with technical writing
- Personal values that are aligned with Iron & Earth's vision and philosophy
- Demonstrated ability to collaborate with a team
- Strong communication skills

Additional skills and experience preferred

- Experience developing educational materials for adults in the classroom environment
- Understanding of fossil fuel and renewable energy industries

We especially encourage Indigenous people and people with experience in the fossil fuel industry to apply.

ADDITIONAL DETAILS

Salary and hours

These are independent contract positions. Compensation is \$4,000 for the Wind Subject

Matter Expert 1 contract, and \$2,000 for the Wind Subject Matter Expert 2 contract, both including GST. Payment will be distributed along with deliverable milestones.

Location

Remotely, location flexible. We have a largely mobile work environment.

TO APPLY

If you are interested in one of the Wind SME positions and meet the requirements, please send us your resume and complete [the application](#) by February 18, 2020.

Send your resume to us with the subject line "Wind Energy SME Contract" to info@ironandearth.org. Please title your resume "First Name_Last Name_Resume".

Applications will be considered on a continuing basis until the posting closes on February 18, 2020.

We thank all applicants for their interest; only those selected for an interview will be contacted.

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