

# STRATEGIC ENERGY MANAGEMENT FOR INDUSTRY (SEMI) PROGRAM

## Contractor Obligations, Eligibility and Registration Overview

April 1, 2025



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Canada



# Land Acknowledgement

In the spirit of reconciliation, we, at ERA, acknowledge the privilege of living, working, and investing on traditional territories, which include Treaty 6, Treaty 7, and Treaty 8 Nations; Otipemisiwak Métis Government of the Métis Nation; Inuit; First Nations; and all others who live and care for these lands.

**We are dedicated to promoting a culture of collaboration and meaningful engagement.**

# Housekeeping

- ✓ Microphones are muted
- ✓ If you called in, select “telephone” and enter audio PIN
- ✓ Type questions into the “Questions” section of the control panel
- ✓ We will try to answer as many questions as possible
- ✓ If you have technical difficulty during the webinar, don’t worry! You will be able to watch the recording that will be posted on our website shortly after the live session.



# Agenda

- SEMI Program Overview
- Eligibility Criteria
- Program Activities & Incentives
- Contractor Eligibility
- Contractor Code of Conduct
- Contractor Registration & Portal
- Available Resources
- Q&A



# Speaker Introduction

Luca Jungen



Efficiency Program Delivery Lead at ERA

Mayuran Srikantha



VP, Programs at Enerva



STRATEGIC ENERGY  
MANAGEMENT  
FOR INDUSTRY

EMISSIONS  
REDUCTION  
ALBERTA



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Alberta

# About Emissions Reduction Alberta (ERA)

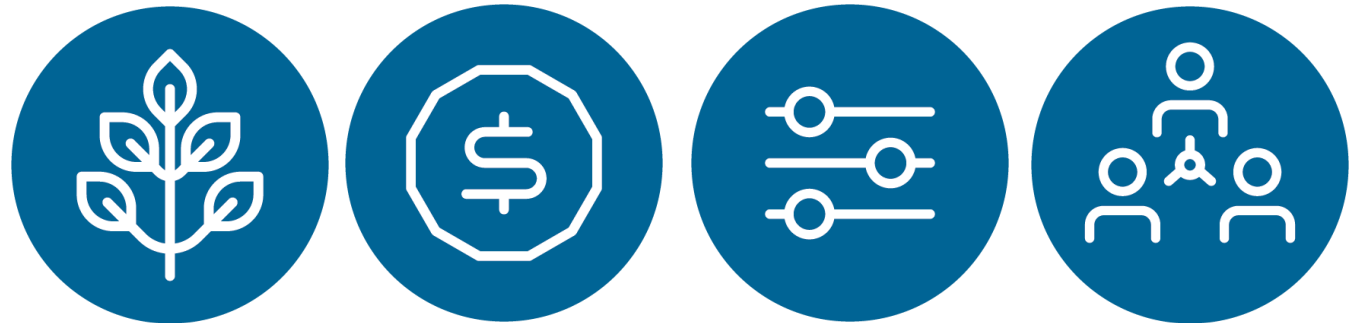
## MANDATE

Reduce GHG emissions and grow Alberta's economy by accelerating the development and adoption of innovative technology solutions.

## VISION

Alberta has competitive industries that deliver sustainable environmental outcomes, attract investment, and are building a diversified, lower emissions economy.

## STRATEGIC PRIORITIES



# About Enerva



Enerva is a Canadian-owned company that offers comprehensive program design and delivery services trusted by utilities, government agencies, and program administrators.

- Experienced team of engineers and energy analysts
- Focus on energy management and emission reduction
- Design and develop energy analytics software
- Energy management Centre of Excellence in Calgary

# About Enerva



## Supported ERA to deliver Energy Savings for Business (ESB) Program

- Over 2,100 completed projects distributed across the province
- Over 1,300 registered trades contractors creating direct employment
- Accelerated adoption of commercially available technology
- Drove \$385 million in economic activity

# STRATEGIC ENERGY MANAGEMENT FOR INDUSTRY (SEMI)

## Program Overview



STRATEGIC ENERGY  
MANAGEMENT  
FOR INDUSTRY

EMISSIONS  
REDUCTION  
ALBERTA



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# SEMI Program Overview

## PURPOSE

To help industrial and manufacturing facilities improve their energy performance and increase profitability by offering co-funding to implement an integrated system of practices, processes, and capital retrofits.

## OBJECTIVES

To support eligible facilities to:

- Understand energy use & reduce related costs
- Optimize energy use & reduce GHG emissions
- Grow organizational skills and capacity building
- Implement energy-saving capital retrofits
- Improve energy performance
- Increase profitability & competitiveness

# SEMI Program Overview

The Program is funded by:



&



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Ressources naturelles  
Canada

Technology Innovation and  
Emissions Reduction (TIER) fund

SEMI covers up to 50% of eligible project costs for for-profit organizations and up to 100% of eligible project costs for not-for-profits and Indigenous organizations. Allows in-kind contributions from the facility to offset the co-funding requirement for certain activities. Additional funding caps per eligible activity are stated on the SEMI website.

Program ends **March 31, 2027**

# Eligibility Criteria

- ✓ The facility is owned or leased in Alberta and has been **in operation for at least one year** with fixed equipment and building(s) used to produce goods.
- ✓ The facility operates in the following sectors defined by North American Industry Classification System (NAICS) codes:
  - 11 – Agriculture, forestry, fishing and hunting
  - 21 – Mining, quarrying, and oil and gas extraction
  - 22 – Utilities
  - 23 – Construction
  - 31-32-33 – Manufacturing
  - 48 – Transportation
  - 56 – Administrative and support, waste management and remediation services

# What is Out of Scope?



Emitting  
technologies

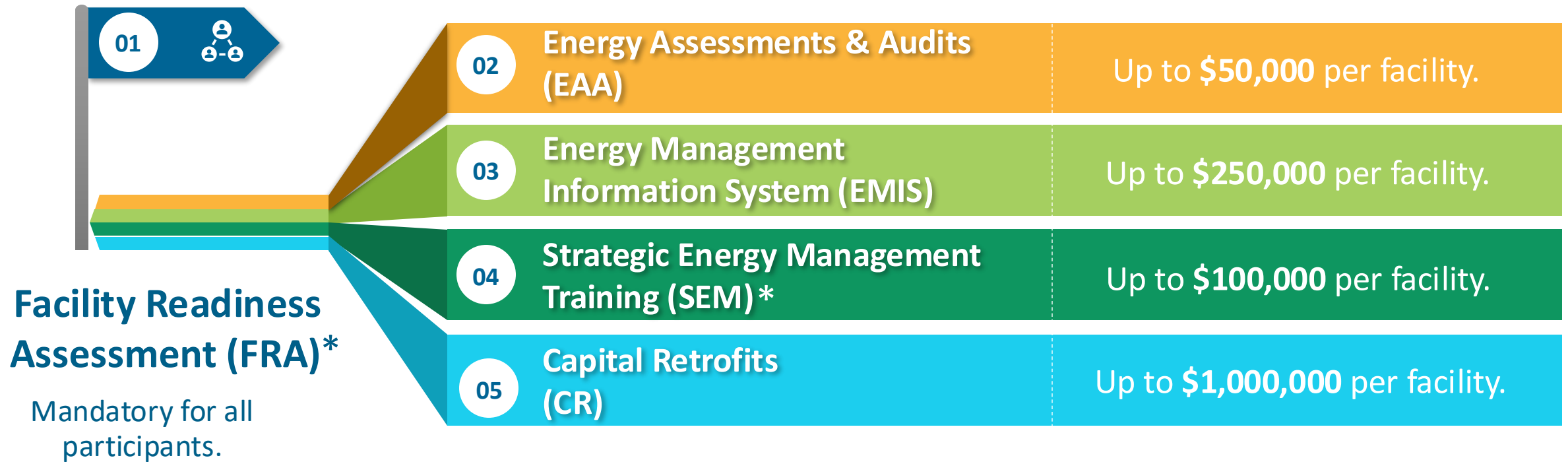


New  
construction



Facilities  
outside Alberta

# SEMI Program Activities & Incentives



\*FRA & SEM activities are delivered by Enerva.

# Facility Readiness Assessment (FRA)



# Energy Assessments and Audits (EAA)

EAA will:

Target systems that service the entire facility like steam systems, process heat or compressed air systems.



Describe the current equipment, operating conditions, proposed energy efficient alternative, the associated energy savings, and other benefits.



Provide a business case related to the proposed energy saving opportunities with sufficient economic analysis to support business decisions.

# Energy Management Information Systems (EMIS)

The FRA contains an initial assessment of the facility's EMIS. EMIS are critical tools within the SEMI framework, providing people with the ability to collect, analyze, and manage energy data to inform operating decisions.

- EMIS include hardware and software components that support:

## Data collection & Monitoring

E.g., using sensors and meters.

## Analysis & Optimization

E.g., analyzing data to identify inefficiencies, track energy consumption patterns, and optimize processes.

## Reporting & Decision making

E.g., providing insights into energy use, which helps in making informed decisions, detecting anomalies, and implementing corrective actions promptly.

# Strategic Energy Management (SEM) Training



# Capital Retrofits (CR)

Industrial and manufacturing facilities can receive up to **\$1M** in funding to invest in energy efficiency focused capital retrofits for their facilities after completing the FRA.

The retrofit must meet the following criteria:

The retrofits must be **non-emitting**.

The retrofits must reduce energy usage and emissions by at least **5%** compared to a baseline.

The payback period for the retrofits must be **greater than one year**.

A new construction is ineligible.

# Eligible In-kind Expenses

For for-profit organizations, the SEMI program covers up to 50% of an activity cost; however, it is anticipated that the remaining 50% can be covered in part by “in-kind” contributions.

In-kind contributions are defined as a cost incurred by the Participant that avoids or replaces a task or requirement necessary to conduct an Eligible Activity.

# Getting started with SEMI

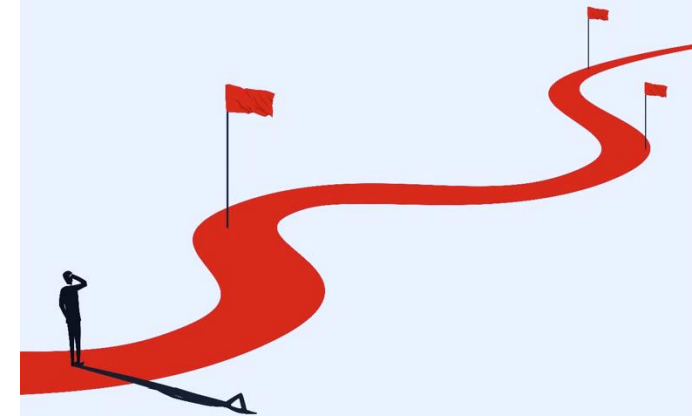
Please go to [www.semiprogram.ca](http://www.semiprogram.ca) and register.

## PARTICIPANTS

- If needed, invite users to your company account (users from your own company or your consultants/contractors/vendors)
- Create facilities and complete FRA Workbooks for the facilities
- Submit FRA Workbook to start your SEMI journey

## CONTRACTORS, CONSULTANTS, AND VENDORS

- If requested, help your customers with the facility creation and FRA Workbook completion. You are given access by your customers in the SEMI portal.



# Contractor Eligibility

Any member of the supply chain can be an “Eligible Contractor” provided the company meets the requirements in the Contractor Code of Conduct.

- Installers (Traditional meaning of the word Contractor)
- Manufacturers
- Distributors
- Design, Engineering, and Architectural Firms



# Contractor Code of Conduct

✓ Our expectations:



✓ The Code of Conduct is designed to establish minimum performance expectations and business requirements that any reputable contractor will already have in place.

# Contractor Registration Demonstration



Already have an account? [Log in](#)

## Welcome to the SEMI Program Portal

Sign up and start saving

[Account Owner](#)

[Individual](#) ⓘ

1 Contact Information → 2 Company Details

By registering as an Account Owner, you create a primary SEMI Portal account for your organization. This registration is for new participant companies enrolling in SEMI activities, as well as contracting companies providing services to participants. You will supply company details and verify your email. Once set up, you can manage your company's information, invite team members, and select the activities you support (if you're a contractor).

Business Email \*

Business Email \*

[Send verification code](#)

Enter your business email to begin the **Account Owner** registration with a security verification step. As the Account Owner, you'll set up and manage your contractor company's primary profile in the SEMI Portal.

This security verification step ensures we can securely verify your organization and grant you the highest level of privileges.

## Welcome to the SEMI Program Portal

Sign up and start saving

[Account Owner](#)[Individual](#) ⓘ[1 Contact Information](#) → [2 Contractor Details](#) → [3 Company Details](#)

By registering as an Account Owner, you create a primary SEMI Portal account for your organization. This registration is for new participant companies enrolling in SEMI activities, as well as contracting companies providing services to participants. You will supply company details and verify your email. Once set up, you can manage your company's information, invite team members, and select the activities you support (if you're a contractor).

Your email address has been verified. You can now enter your name, password and phone number. You can also change the email you wish to sign up with.

Email Address \*

demouser@yopmail.com

☒ **Contractor**

Please select if you are a contractor who wishes to become an eligible contractor.

[Change sign-up email](#)

First Name \*

John

Last Name \*

Doe

Business Mobile \*

8456749023

Business Landline

Business Landline

New Password \*

••••••••

The password must be between 8 and 64 characters.  
The password must have at least 3 of the following:

- a lowercase letter
- an uppercase letter
- a digit
- a symbol

Confirm New Password \*

••••••••

[Next](#)

# Contractor Registration Demo

Select the **Contractor** checkbox to register your contractor company under the Account Owner flow.



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## Welcome to the SEMI Program Portal

Sign up and start saving

[Account Owner](#)[Individual !\[\]\(befdcdf329f4bc1566e8bd49d7971740\_img.jpg\)](#)[Contact Information](#) → [2 Contractor Details](#) → [3 Company Details](#)

By registering as an Account Owner, you create a primary SEMI Portal account for your organization. This registration is for new participant companies enrolling in SEMI activities, as well as contracting companies providing services to participants. You will supply company details and verify your email. Once set up, you can manage your company's information, invite team members, and select the activities you support (if you're a contractor).

Please select which regions in Alberta you offer your service

- ☒ Calgary and Area
- ☐ Edmonton and Area
- ☐ Fort McMurray and Area
- ☐ Lethbridge and Area
- ☐ Medicine Hat and Area
- ☒ Other Parts of Alberta
- ☒ Red Deer and Area

Please select which activities you will support.

- ☒ Capital Retrofit
- ☐ Energy Management Information System
- ☐ Energy Auditing and Assessment

Please select which technology for Capital Retrofits you will support

- ☐ Building Envelope
- ☒ Compressed Air Systems
- ☐ Fan Driven Systems
- ☐ Geothermal
- ☒ HVAC Systems
- ☒ Lighting Systems
- ☒ Process Cooling and Refrigeration Systems
- ☒ Process Heating Systems
- ☒ Pump Driven Systems
- ☐ Solar PV Systems
- ☐ Other

The following additional obligations are required for the projects you will support:

- (a) Any other requirements specified in the SEMI Activities Application Guides, as updated from time to time.
- (b) Capital retrofits must be certified by an Eligible Contractor that is a licensed professional engineer (P.Eng.) or a Certified Energy Manager or a Certified Engineering Technologist and use standards such as International Performance Measurement and Verification Protocol (IPMVP) to measure and verify the resulting energy savings

☐ I have read and agree to the provisions of the [Code of Conduct](#).

☐ I confirm that I have met the GST, WCB and insurance requirements.

[Next](#)[Back](#)

# Contractor Registration Demo

Select the regions where your contractor company operates and the SEMI activities you support. If you offer Capital Retrofit services, choose the applicable technologies.

Based on your selections, you will see the corresponding obligations from the Code of Conduct, which you must accept before proceeding.

## Welcome to the SEMI Program Portal

Sign up and start saving

[Account Owner](#)[Individual](#)[Contact Information](#)[Contractor Details](#)[Company Details](#)

By registering as an Account Owner, you create a primary SEMI Portal account for your organization. This registration is for new participant companies enrolling in SEMI activities, as well as contracting companies providing services to participants. You will supply company details and verify your email. Once set up, you can manage your company's information, invite team members, and select the activities you support (if you're a contractor).

Company Name \*

TestCompany

Website URL

Website URL

How did you hear about us? \*

Website

Unit Number

Unit Number

Building Number \*

213

Street Name \*

Test St NW

City \*

Calgary

Province/State \*

AB

Country \*

Canada

Postal Code \*

J8F9G0

☒ I have read and agree to the provisions of the [Portal Services Agreement](#), which includes limitations on Enerva and ERA warranties and liability.☒ I agree that the information submitted in the sign up form and in other communications and forms as part of the Program consists solely of business or commercial information and is not personal information of any individual.☒ I consent to being contacted by ERA or Enerva (ERA Service Provider) by email, text or other electronic means for program-related matters or about energy efficiency and greenhouse gas reducing programs, technologies, products, and services that ERA or Enerva offers.[Create](#)[Cancel](#)[Back](#)

# Contractor Registration Demo

Provide your contractor company's name, website, and address information. To finalize your registration, review and accept the required conditions, then click **Create** to complete the process.

# Welcome, you have successfully registered!



Choose company

Lafarge



Applications

User Management

## Welcome Ben

You have successfully registered as a contractor, and your contracting company is now visible to SEMI participants seeking support services. To manage a participant's applications, the Account Owner at that facility must add your email to their user management settings. You can also use the User Management feature in your own contractor account to add other employees and assign roles within your organization.

You have successfully registered as a contractor, and your contractor company is now visible to SEMI participants seeking support services.

Please note that you can only begin helping a participant complete their application once the Account Owner at that facility adds your contractor company to their user management settings.

The SEMI Program is funded by the Government of Alberta and NRCan. The SEMI Program is delivered by ERA's service provider, Enerva Energy Solutions Inc.

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## User Management

All Users ▾

Search

Invite User

All Users

[Request to join other company](#)

Name ▾	Email	Company ▾	Role type ▾	Status	Action
Ben Miller	Jane.cooper@dummy.com	Lafarge 6	Account Owner	<input checked="" type="checkbox"/> Accept <input type="checkbox"/> Reject	<a href="#">Manage permission</a>
Lois Lane	lois.lane@dummy.com	Lafarge 1	Account Manager	<input checked="" type="checkbox"/> Accept <input type="checkbox"/> Reject	<a href="#">Manage permission</a> <a href="#">Delete</a>
Clark Kent	clark.kent@dummy.com	Lafarge 3	Administrator	Active	<a href="#">Manage permission</a> <a href="#">Delete</a>
Jane Cooper	Jane.cooper@dummy.com	Lafarge 6	Consultant	<input checked="" type="checkbox"/> Accept <input type="checkbox"/> Reject	<a href="#">Manage permission</a> <a href="#">Delete</a>
Lois Lane	lois.lane@dummy.com	Lafarge 1	Account Manager	Request sent	<a href="#">Manage permission</a> <a href="#">Delete</a>
Clark Kent	clark.kent@dummy.com	Lafarge 3	Administrator	Active	<a href="#">Manage permission</a> <a href="#">Delete</a>
Jane Cooper	Jane.cooper@dummy.com	Lafarge 6	Employee	Request sent	<a href="#">Manage permission</a> <a href="#">Delete</a>
Lois Lane	lois.lane@dummy.com	Lafarge 1	Account Manager	<input checked="" type="checkbox"/> Accept <input type="checkbox"/> Reject	<a href="#">Manage permission</a> <a href="#">Delete</a>
Clark Kent	clark.kent@dummy.com	Lafarge 3	Administrator	<input checked="" type="checkbox"/> Accept <input type="checkbox"/> Reject	<a href="#">Manage permission</a> <a href="#">Delete</a>

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# Contractor User Management

From the **User Management** tab, the Account Owner can invite additional team members to join the contracting company. Once added, these users can also access participant facilities that have granted your contracting company permissions, ensuring seamless collaboration on SEMI activities.





## Contractor list

Search by Contractor name

Search by Region

Search by Technology

Contractor ID ▾	Contractor Name ▾	Email ▾	Technology Supported ▾	Supported Regions ▾	Contractor Address
1	Contracting Company 1	contractingcompany1@gmail.com	HVAC Systems, Lighting Systems, Solar PV Systems	Calgary, Fort McMurray, Other Parts of Alberta	123 Contractor Way SE Calgary, AB A1A 1A1
2	Contracting Company 2	contractingcompany2@gmail.com	Process Heating Systems, Pump Driven Systems, Geothermal	Lethbridge, Fort McMurray, Red Deer	123 Contractor Way SE Calgary, AB A1A 1A1
3	Contracting Company 3	contractingcompany3@gmail.com	HVAC, Lighting, Solar PV, Geothermal	Calgary, Fort McMurray, Other Parts of Alberta	123 Contractor Way SE Calgary, AB A1A 1A1
4	Contracting Company 4	contractingcompany4@gmail.com	Energy Auditing and Assessment, Lighting Systems	Calgary, Fort McMurray, Other Parts of Alberta	123 Contractor Way SE Calgary, AB A1A 1A1

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# Contractor List

Once you've successfully registered, your contracting company appears on the SEMI contractor list—complete with your supported technologies and a contact email.

Participants can browse this list and add your company under their **User Management** settings, enabling you to work with them on SEMI activities.



# Frequently Asked Questions

- 1) How long will an FRA take to complete and what is the approximate cost?
- 2) How can I participate as a contractor?
- 3) Will I need to upload insurance and WCB documents on the portal?
- 4) Can I access the SEMI participant list? Can ERA put us in touch with the SEMI participants who need a contractor?



# Questions?

**Please type your questions into the “Questions” pane of the control panel, on the right-hand side of your screen.**



# Ready to begin your SEMI journey?

Register on the SEMI Portal [semiprogram.ca](https://semiprogram.ca) today.

## Unanswered questions?

- Review the guidelines and supporting materials online at [www.eralberta.ca/semi](https://www.eralberta.ca/semi)
- Email remaining questions to [semi@eralberta.ca](mailto:semi@eralberta.ca)

This webinar will be posted on the ERA YouTube page.





# THANK YOU

Visit [eralberta.ca/semi](http://eralberta.ca/semi) for more information



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