

# STRATEGIC ENERGY MANAGEMENT FOR INDUSTRY (SEMI) PROGRAM

Capital Retrofits: New Application Process Overview

January 22, 2026

The webinar will begin shortly



Natural Resources  
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
- ✓ Type questions into the “Q&A” function
- ✓ Click “**View**” in the top right corner and select “**Full Screen**”
- ✓ The recording will be posted on our website shortly after the live session
- ✓ The webinar recording and the presentation will be sent to you

Technical difficulties? Email [SAshworth@eralberta.ca](mailto:SAshworth@eralberta.ca)



# Agenda

- SEMI program overview
- Overview of the new Capital Retrofits application process
  - Fixed intake timelines
  - Eligibility evaluation & criteria
  - Post-activity process (M&V)
- Q&A



# Speaker Introduction

Miki Takeyama



SEMI Program Coordinator  
ERA

Stan Sirotkin



SEMI Key Account Manager Lead  
Enerva

# 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 who specialize in comprehensive program design and delivery and is recognized for its trusted services among utilities, government agencies, and program administrators.

Previous collaboration with ERA on the **Energy Savings for Business (ESB) Program**:



# STRATEGIC ENERGY MANAGEMENT FOR INDUSTRY (SEMI)

## *Program Overview*



Natural Resources  
Canada



# SEMI Program Overview

## Program Funding



Natural Resources  
Canada

Green Industrial Facilities and  
Manufacturing Program (GIFMP)

&



Technology Innovation and  
Emissions Reduction (TIER) fund



# SEMI

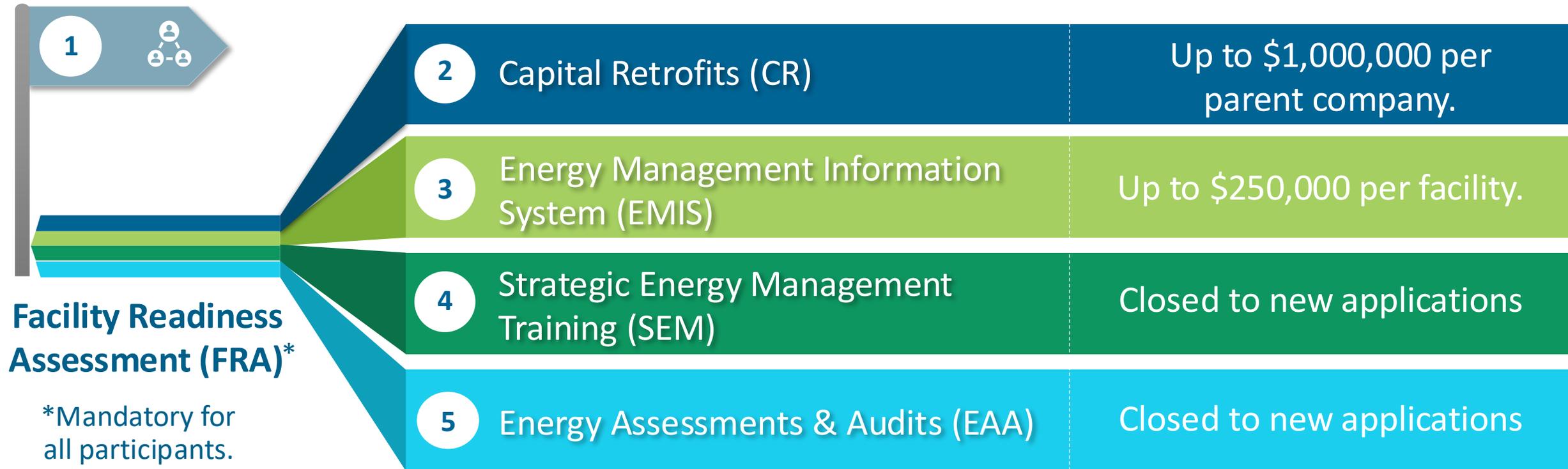
## Eligibility Criteria

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

&

Operates in a sector defined by the North American Industry Classification System (NAICS) codes starting with 11, 21, 22, 23, 31, 32, 33, 48, or 56.

# SEMI Program Activities & Incentives



# ERA SEMI Program Timelines

## 📅 Application & Approval Timeline

1

UNTIL JAN 6, 2026

### First-Come, First-Served Intake

First-come, first-served basis

Funds secured only if T&Cs were signed by 16:00, Jan 6, 2026

⚠️ Complete project info required to complete CR application

★

JAN 7 – MAR 2, 2026

### Fixed Intake Period

Submit applications via SEMI Portal

The complete project info is required

Not evaluated at the time of submittal

Deadline: Mar 2 @ 16:00 MST  
Focus on quality application vs. speed.

3

MAR 3 – MAR 31, 2026

### Evaluation & Allocation

Scored & ranked by criteria

Funding to highest-ranked projects

Waitlist for unfunded projects

✉️ Decisions communicated to all applicants by March 31.

# How CR Applications are Evaluated

## 1 Abatement Cost

Projects with lower abatement costs will score higher.

$$\text{Abatement Cost (\$/tCO}_2\text{e)} = \text{Funding Requested} / \text{Lifetime GHG Reductions}$$



## Evaluation Criteria

The criteria are listed in order of importance.



**Program Completion Deadline  
March 31, 2027**

## 2 Parent Company Cap

Maximum \$1 million funding cap per parent company to ensure equitable distribution.



## 3 Technology Diversity

Less-funded technologies will be prioritized to broaden program support.



## 4 Application Quality

The completeness, clarity, and quality of the supporting documentation submitted.



## 5 Fairness Assessment

Indigenous and not-for-profit applicants will be scored separately.



# SEMI Portal Application Workflow

https://portal.semiprogram.ca/application/capital-retrofit

**Started**  
Application created

**Pre-Activity Application**  
Available

**T&Cs**  
Locked

**Post-Activity Application**  
Locked

4-Stage Process

## Pre-Activity Application

Project Name \*

Please fill out this field.

## 1 Account Creation

Begin by registering your organization on the SEMI portal.

## 2 Pre-Activity Application

Complete project details including baseline energy use and estimated savings.

⚡ Energy Baselines

📄 Savings Estimates

## 3 Documentation & T&Cs

Upload supporting documents & review and sign Terms & Conditions digitally.

## 4 Post-Activity Application

Submit verification documentation including M&V, photos, design docs & invoices.

# CR Pre-Activity Application

### Project Savings

Project Savings	
Percentage Energy Savings (%)	Annual
Estimated Costs Savings (\$)	Annual

✓ Input annual energy reduction & cost savings.

### Project Management

Project Start Date	YYYY-MM-DD
Estimated In-Service Date	YYYY-MM-DD

Add Supporting Documentation for Project Workplan

 **Capital Retrofit Workplan.xlsx**  
Template file available for download

## APPLICATION CHECKLIST INTEGRATION

 <b>Project Name</b> Clear scope	<a href="#">→ SEE PROJECT SAVINGS</a>  <b>Energy Savings</b> Min 5% reduction	<a href="#">→ SEE PROJECT SAVINGS</a>  <b>NEBs</b> Co-benefits	<a href="#">→ SEE PROJECT SAVINGS</a>  <b>Feasibility Study</b> Supporting data	<a href="#">→ SEE PROJECT MGMT</a>  <b>Schedule</b> Mar 31, 2027	 <b>Budget</b> Funding sources
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# CR Pre-Activity Application

## Non-Energy Benefits (NEBs)

Non-energy Benefits (NEBs) are operational and workplace improvements your CR project may deliver beyond energy and GHG savings (e.g., productivity, quality, safety, waste reduction, or asset life). Select only applicable items and provide supporting documentation explaining how the benefit will occur (e.g., internal records, SOP changes, vendor documentation, or supporting calculations).

1 Productivity

2 Quality

3 Safety

4 Workforce Development

5 Working Environment

6 Waste and Material

7 Environmental Quality

8 Customer and Stakeholder

9 Asset Management

✓ Select from 9 categories (54 items) covering productivity & safety.

## APPLICATION CHECKLIST INTEGRATION

 **Project Name**  
Clear scope

 **Energy Savings**  
Min 5% reduction

→ SEE Projects Savings  
 **NEBs**  
Co-benefits

 **Feasibility Study**  
Supporting data

 **Schedule**  
Mar 31, 2027

 **Budget**  
Funding sources

# CR Pre-Activity Application

## Expenditure Information

Description of Product or Service *	Invoice/Quote Date *	Reference Number *	Contractor or Supplier Name *	Amount of Invoice/Quote (GST Exclusive) *	GST *
<input type="text" value="Description of Produ"/>	<input type="text" value="YYYY-MM-DD"/> 	<input type="text" value="Reference Number"/>	<input type="text" value="Contractor or Suppli"/>	<input type="text" value="\$ 0.00"/>	<input type="text" value="\$ 0.00"/>

### Add Supporting Documentation for Project Costs \*

Please enter all required details for each expenditure, including product or service description, invoice/quote date, reference number, contractor or supplier name, amount (GST exclusive), and GST. You may add additional rows for multiple items or quotes. **Please ensure a copy of all supporting documents is uploaded.**

- ✓ Track detailed project costs & invoice data with GST breakdown.
- ✓ Upload required supporting documentation for all expenses.



Choose files to upload

PDF, Excel, Word files supported

## APPLICATION CHECKLIST INTEGRATION

 **Project Name**  
Clear scope

 **Energy Savings**  
Min 5% reduction

 **NEBs**  
Co-benefits

 **Feasibility Study**  
Supporting data

 **Schedule**  
Mar 31, 2027

→ SEE EXPENDITURE INFO

 **Detailed Budget**  
Funding sources

# Case Study: Strong CR Application



PROJECT TYPE  
**WASTE HEAT RECOVERY**

Total Project Cost **\$900,000**

Funding Requested (44%) **\$400,000**

Applicant (56%) **\$500,000**

LIFETIME GHG REDUCTIONS

**60,000**

Tonnes CO2e

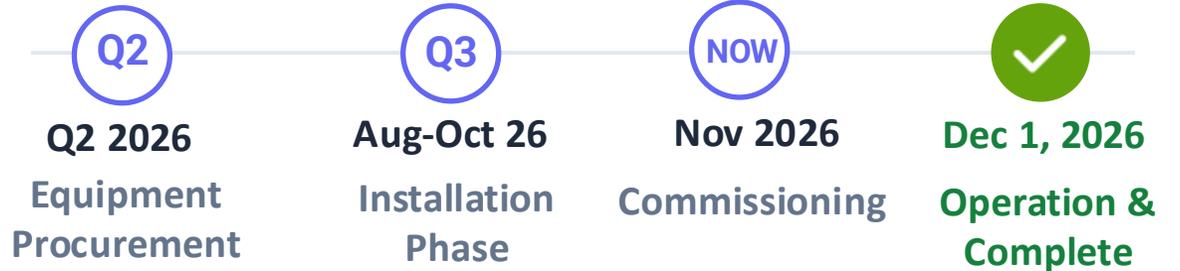


ABATEMENT COST

**\$6.67**

Per Tonne CO2e

## Project Workplan & Timeline



## EVALUATION OUTCOME:

**HIGHLY COMPETITIVE**

1. Excellent Abatement Cost  
**Calculation: \$400,000 (Request) / 60,000 (tCO2e) = \$6.67/tCO2e**
2. Strong Cost Share: Applicant contributes 56%
3. Solid Execution Plan: Project fully operational by Dec 1, 2026—4 months ahead of the March 2027 deadline

# CR Post-Activity Application

## Required Documentation for Completion

 **Measurement and Verification Plan**  
A detailed plan outlining how energy savings will be measured and verified post-installation.

 **Measurement and Verification Reports**  
Official reports documenting the verified performance and savings achieved by the retrofit.

 **Project Photos**  
Visual evidence of the installed equipment and completed retrofit activities.

 **Project Design Documents**  
Final project design documents and technical drawings reflecting the as-built condition.

 **Submittal of Paid Invoices**  
Proof of payment for relevant project costs, submitted with a Master Contractor registered on the SEMI portal.

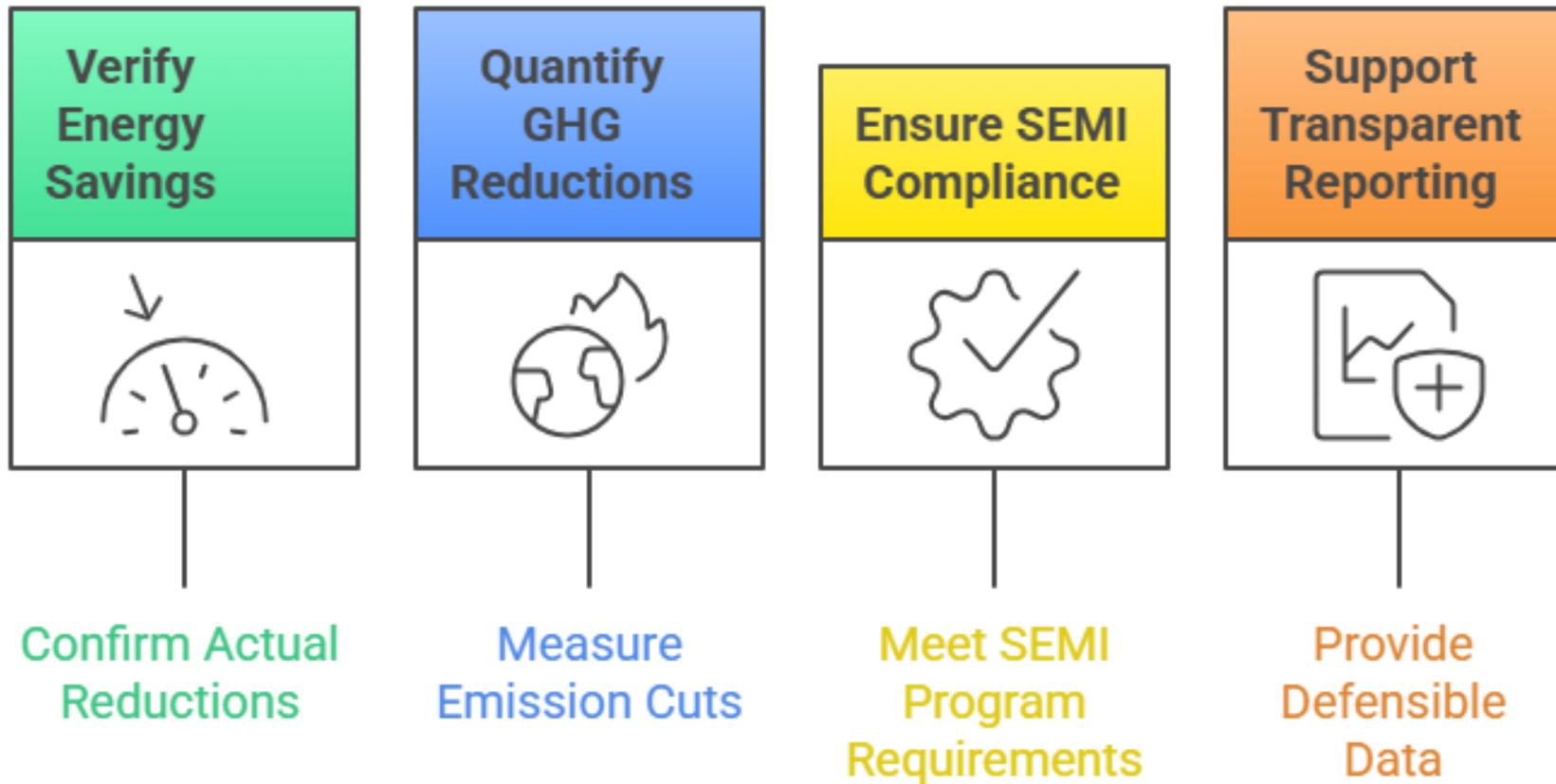
## Post-Activity Application Submission

This phase occurs after your project has been approved and installation is complete. It triggers the final review and funding release.

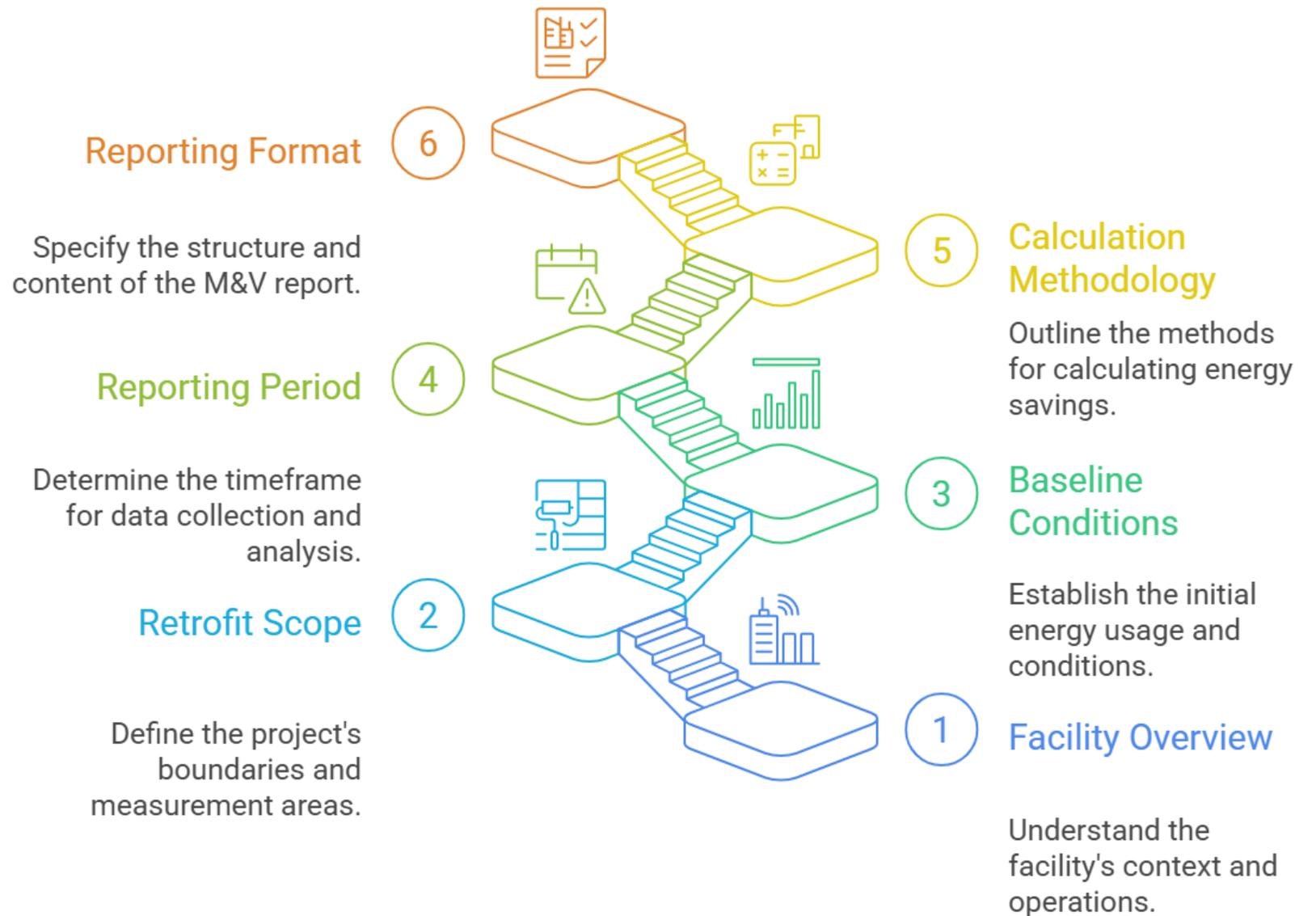
### Submission Portal

Upload all required documents directly to the SEMI portal.  
*Ensure Master Contractor is registered beforehand.*

# Key Reasons for Measurement and Verification (M&V)



# CONTEXT OF M&V PLAN



# Frequently Asked Questions

- 1) Do I still need to complete the FRA first?
- 2) When can I expect to hear about the progress of my application on the waitlist?
- 3) Is the waitlist first-come, first-served?

Scan to see evaluation  
criteria and case examples



# Questions?

Please submit your questions using the “Q&A” function.

# Ready to begin your SEMI journey?

## Unanswered Questions?

Review the guidelines and supporting materials online at [www.eralberta.ca/semi](http://www.eralberta.ca/semi)

Contact our program team directly: [semi@eralberta.ca](mailto:semi@eralberta.ca)

## Register on SEMI Portal

<https://semiprogram.ca/>



Create your account and start your application.

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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