

WEBINAR #2

STRATEGIC ENERGY MANAGEMENT FOR INDUSTRY (SEMI)

Facility Readiness Assessment (FRA)

December 2024



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; Metis Nations (Region 3 and 4); 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

- About Enerva – ERA's Service Provider for the FRA
- SEMI Program Overview & Eligible Participants
- Facility Readiness Assessment Explained
- Q&A

Speaker Introductions



Anna Filocha
ERA's SEMI Marketing Strategist



Parminder Sandhu, P.Eng.
Enerva's Managing Director

About Enerva



Enerva is a Canadian employee-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 reductions
- Design and develop energy analytics software
- Energy management Centre of Excellence in Calgary



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About Enerva



Supported ERA to deliver Energy Savings for Business 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 to balance ERA's portfolio.
- Drove \$385 million in economic activity.



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STRATEGIC ENERGY MANAGEMENT FOR INDUSTRY (SEMI)

Program Overview



STRATEGIC ENERGY
MANAGEMENT
FOR INDUSTRY

EMISSIONS
REDUCTION
ALBERTA



Natural Resources
Canada

Alberta

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

PROGRAM COMPLETION: March 31, 2027

SEMI Program Overview

FUNDING

With funding from the Government of Alberta's Technology Innovation and Emissions Reduction (TIER) fund and Natural Resources Canada (NRCan), **SEMI offers financial incentives that cover up to 50% of eligible project costs for for-profit organizations and up to 100% for not-for-profits and Indigenous organizations.**

Additional funding caps per eligible activity are stated on the SEMI website.

SEMI also allows in-kind contributions from the facility to offset the co-funding requirement for certain activities.

PROGRAM COMPLETION: March 31, 2027



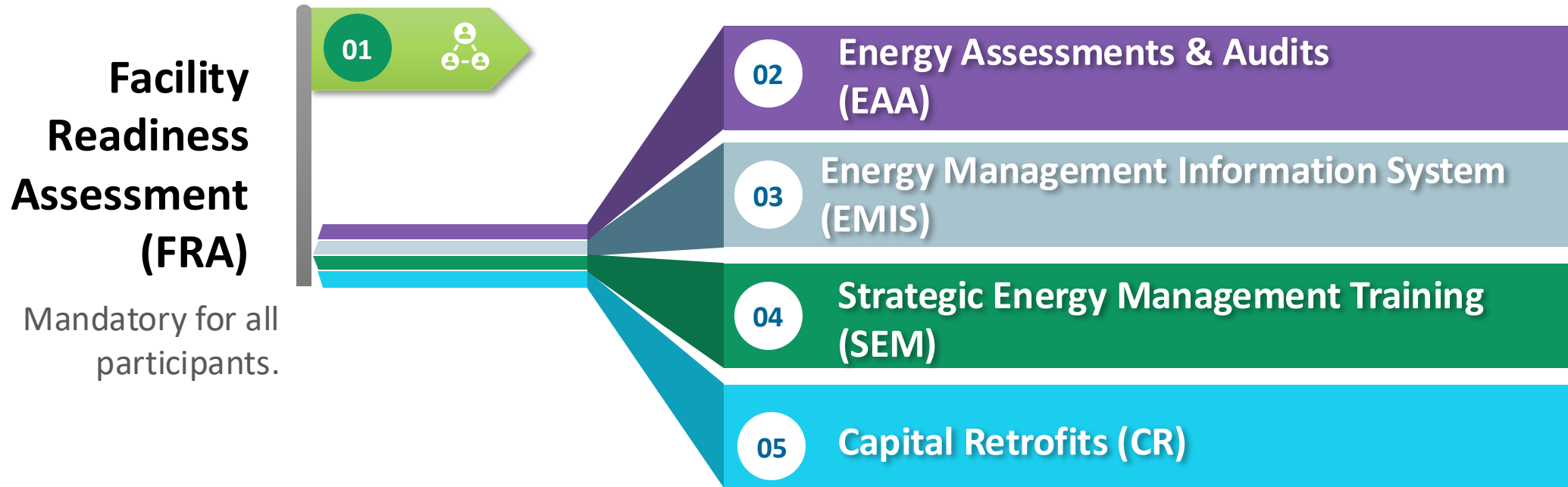
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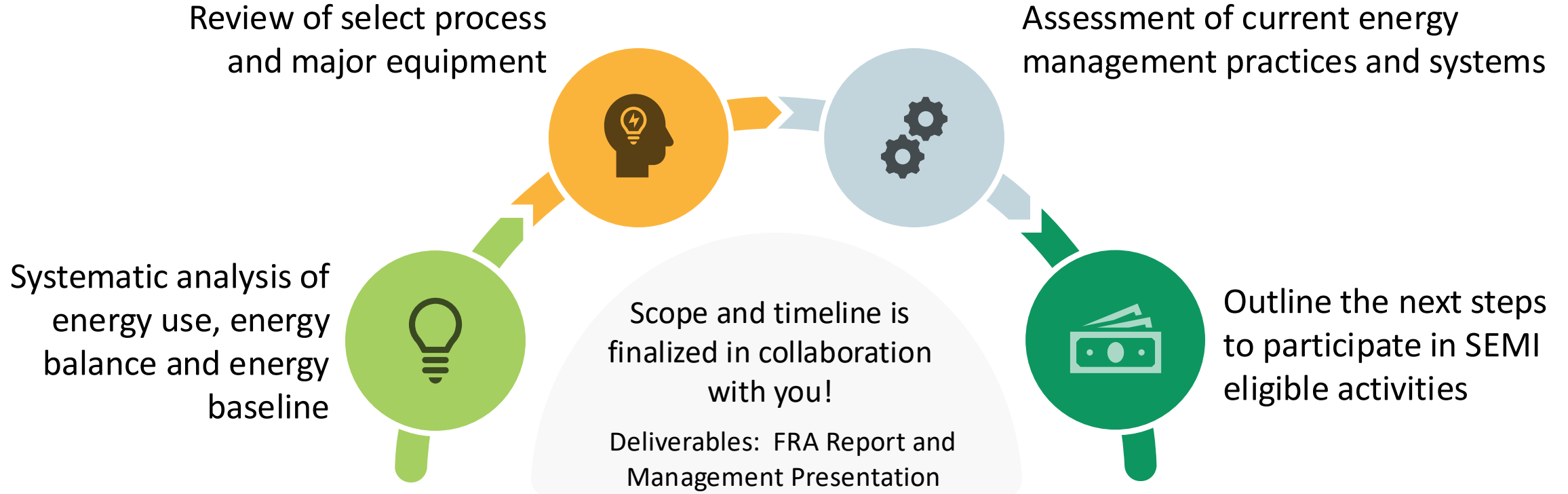
Eligibility

- ✓ 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
- ✓ May also include those that are engaged in energy consuming processes, and that involve the physical or chemical transformation of materials or substances into new products. Products may be finished (ready to use or consume) or semi-finished (raw material).

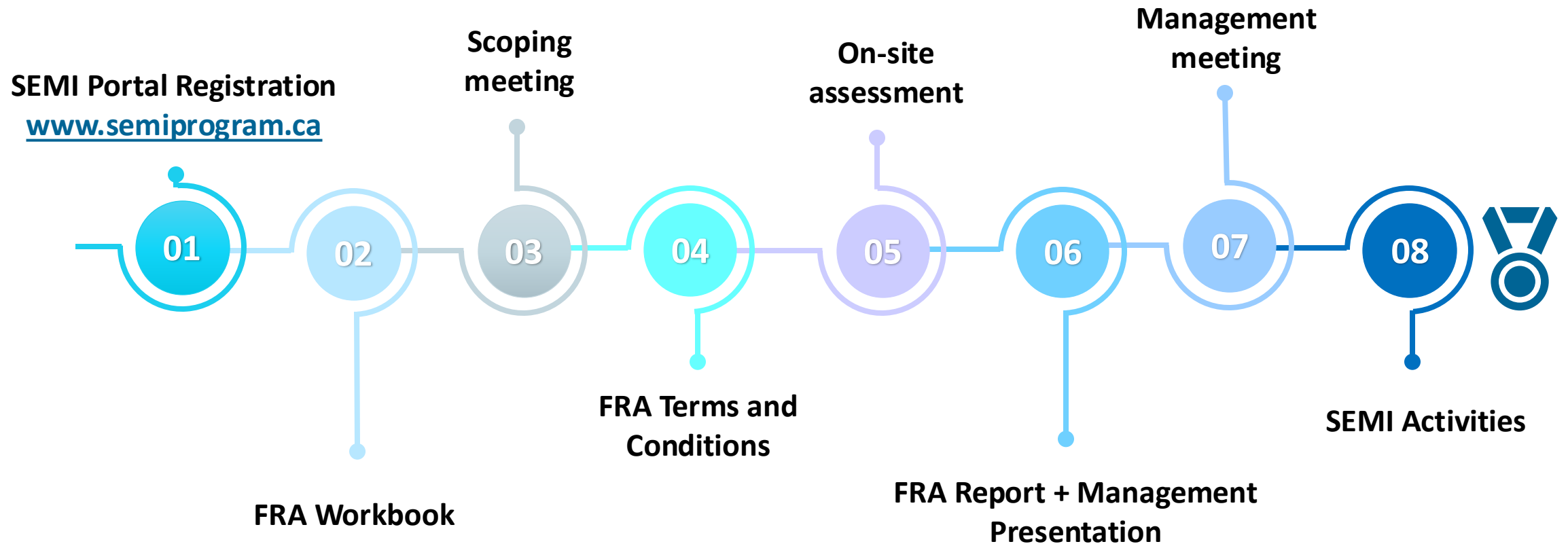
SEMI Program Activities



Facility Readiness Assessment (FRA)

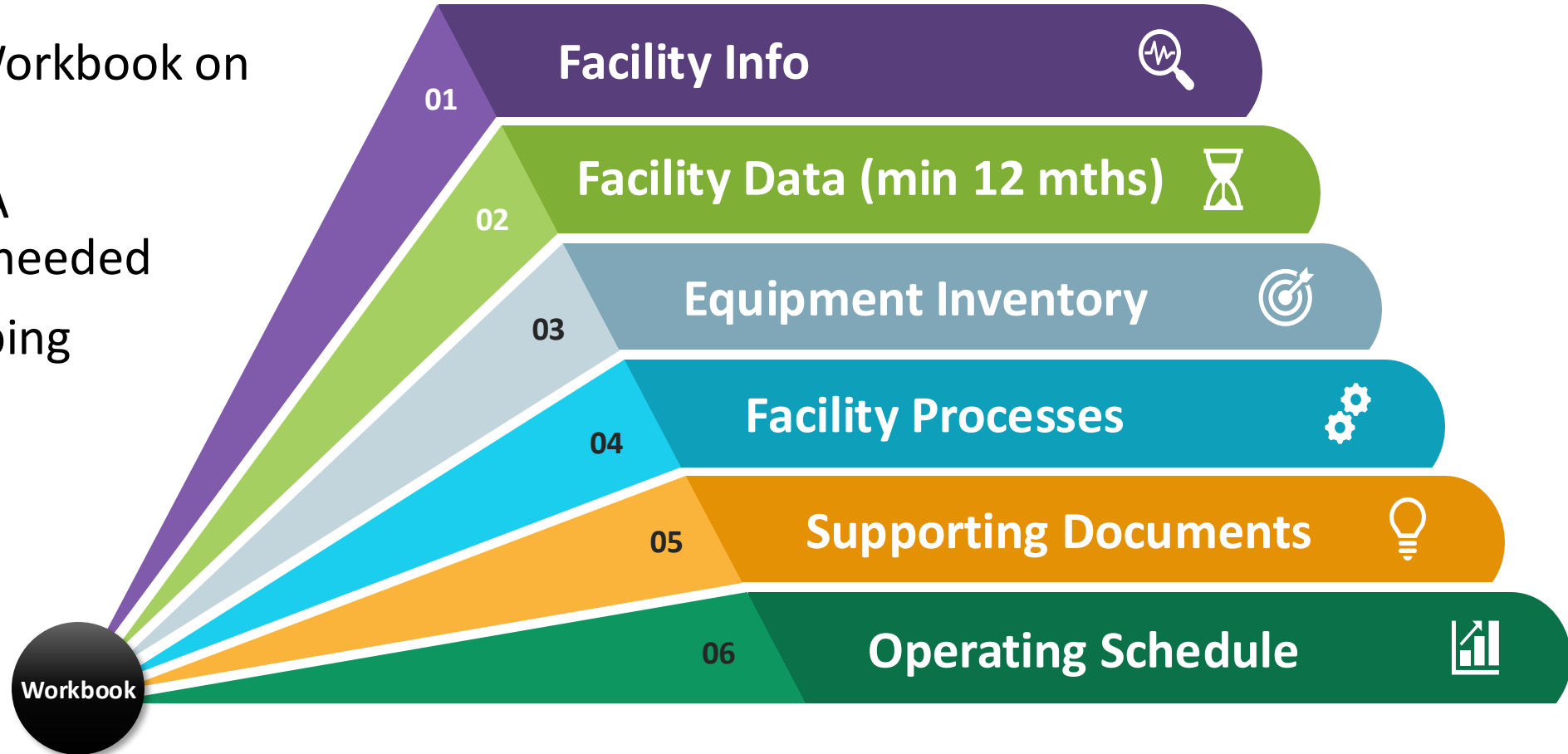


FRA Process Overview

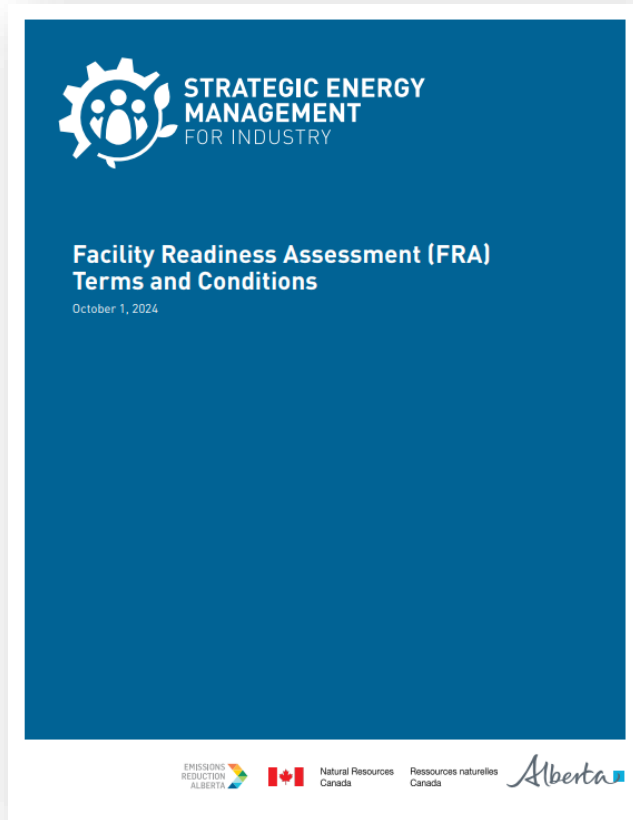


FRA Workbook (02) & Scoping Meeting (03)

1. Submit FRA Workbook on SEMI Portal
2. Follow-up FRA Workbook, if needed
3. Schedule scoping meeting



FRA Terms and Conditions (04)



- Standard form contract at www.eralberta.ca/SEMI
- Customized scope of work schedule
- Co-Funding schedule

On-site Assessment (05)

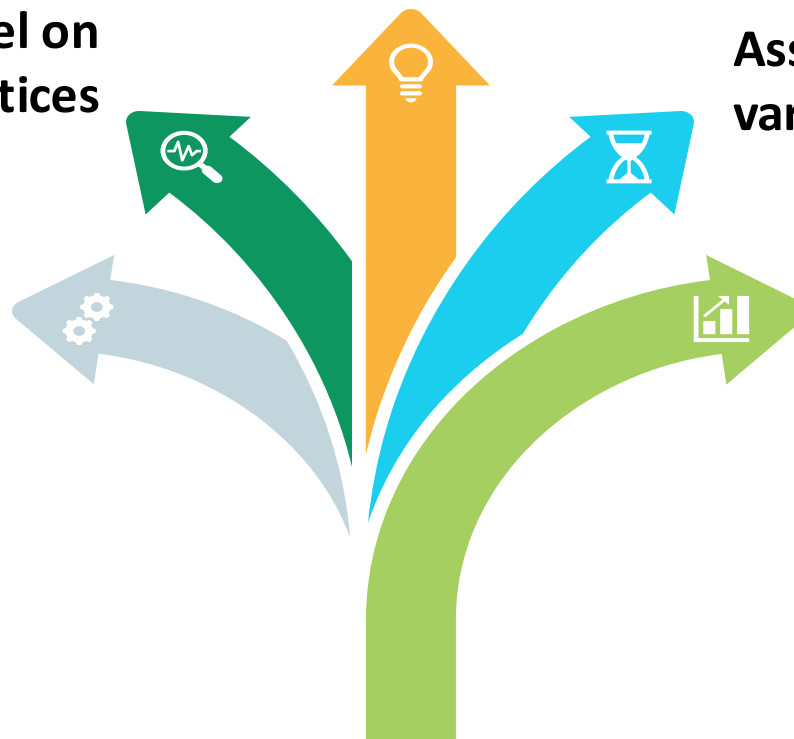
**Observe energy use
and validate data**

**Interview key personnel on
energy practices**

**Assess operating routines and
variables impacting performance**

**Review relevant documents
and operational considerations**

**Identify opportunities for
energy improvement**



**STRATEGIC ENERGY
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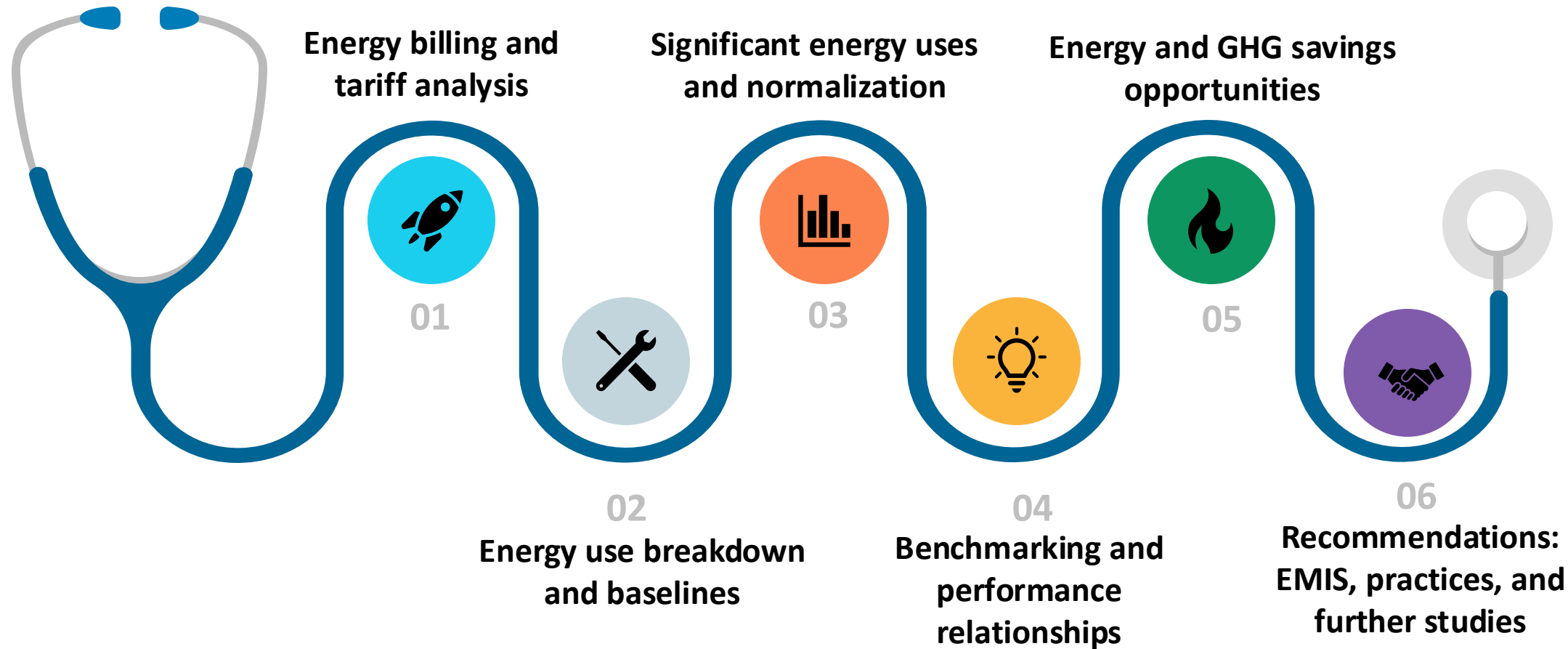
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FRA Report + Management Presentation (06)



Management Meeting (07)

MANAGEMENT PRESENTATION DECK



- Baseline of current energy use and practices
- Summary of analysis and key findings
- Energy performance improvement recommendations

NEXT STEP

- Roadmap to leverage SEMI activities

In-kind contributions (“Co-funding”)

- SEMI program requires co-funding (“skin in the game”)
- In-Kind contributions are eligible and encouraged to demonstrate **engagement**
- **In-Kind contributions: offset or contribute value especially to FRA and SEM**
 - Prior energy studies, data compilation, capital planning, etc.
 - Time spent to prepare, review, participate, approve SEMI activities
 - Other expenses (internal or 3rd party) associated with SEMI activities
- In-kind contributions are specified in the various activity Terms and Conditions and documented in the Co-Funding Schedule.

Available support

Program Inquiries: SEMI@eralberta.ca or semi@enerva.ca

Portal Support: techsupport@semiprogram.ca

Stan Sirotkin stan.sirotkin@enerva.ca	Malka Labell malka.labell@enerva.ca	Andy Bennett andrew.bennett@enerva.ca	Sylvain Lauzon sylvain.lauzon@enerva.ca
<ul style="list-style-type: none"> • Mining 	<ul style="list-style-type: none"> • Upstream O&G (including Oilsands) extraction 	<ul style="list-style-type: none"> • Construction 	<ul style="list-style-type: none"> • Agriculture
<ul style="list-style-type: none"> • Pulp and Paper 	<ul style="list-style-type: none"> • Food and Beverage 	<ul style="list-style-type: none"> • Metal 	<ul style="list-style-type: none"> • Utilities
<ul style="list-style-type: none"> • Lumber 	<ul style="list-style-type: none"> • Textile 	<ul style="list-style-type: none"> • Machinery 	<ul style="list-style-type: none"> • Petroleum
<ul style="list-style-type: none"> • Waste, Water Treatment and Environmental 	<ul style="list-style-type: none"> • People and Goods Transportation 	<ul style="list-style-type: none"> • OEM 	<ul style="list-style-type: none"> • Cement
		<ul style="list-style-type: none"> • Pipelines 	<ul style="list-style-type: none"> • Coal
			<ul style="list-style-type: none"> • Chemicals

Getting started with SEMI

Please go to www.semiprogram.ca and register.

**Ask your program advisor
for help if you need it!**

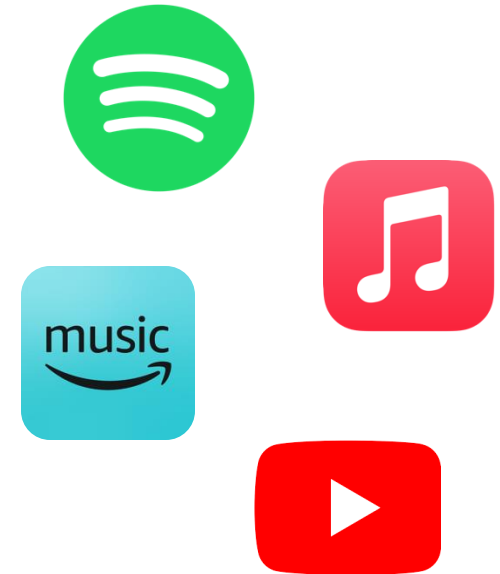
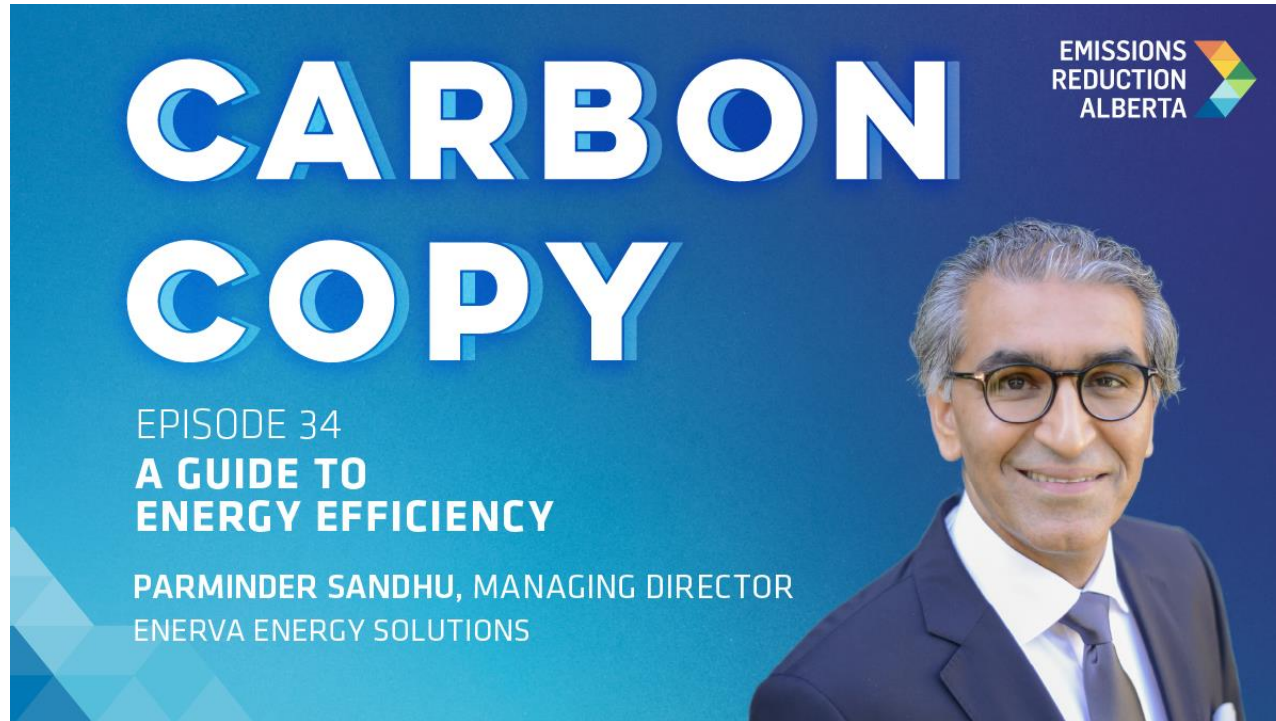
PARTICIPANTS

- 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.

Listen to ERA's latest Carbon Copy podcast



Frequently Asked Questions

- 1) How long will an FRA take to complete and what is the approximate cost?
- 2) How could service providers for energy optimization and reduction of specific energy consumption become part of the program?
- 3) I am a landlord and not eligible under NAICS, but my tenant has an eligible NAICS code. Can I still apply?



Questions?

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

Get Started with SEMI

Unanswered questions?

Review the guidelines and supporting materials online at www.eralberta.ca/semi

Email remaining questions to semi@eralberta.ca

Ready to begin your SEMI journey?

Register on the SEMI Portal semiprogram.ca today

This webinar will be posted on the ERA YouTube page.



THANK YOU

Visit eralberta.ca/semi for more
information



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