

STRATEGIC ENERGY MANAGEMENT (SEM)

Access up to \$100,000 worth of training for your industrial facility

Strategic Energy Management (SEM) is one of four activities in Emissions Reduction Alberta's (ERA) \$50 million **Strategic Energy Management for Industry (SEMI)** program.

SEMI offers up to \$100,000 worth of training for your industrial or manufacturing facility to participate in SEM.

SEM is a structured process to improve an organization's energy performance through assessment, prioritization, and implementation of practices, processes, and policies that generate sustainable energy savings.

KEY BENEFITS



**INCREASE PROFITABILITY
AND PRODUCTIVITY**



REDUCE ENERGY COSTS



**GAIN KNOWLEDGE, EXPERTISE,
AND TRAINING**



**DEMONSTRATE A COMMITMENT
TO SUSTAINABILITY**

OUR APPROACH

SEM uses a group training structure facilitated by a qualified energy practitioner through training, coaching, peer-to-peer knowledge sharing, and technical support. The SEM curriculum is tailored to meet the needs of the participants in the training group.

Collaborative Learning Environment

- ▶ Learn from others in your training group by sharing experiences and best practices

One-on-One Coaching

- ▶ Receive personalized guidance to help develop and implement energy management policies and procedures that work for your facility

Employee Awareness Materials and Tools

- ▶ Get access to tools and strategies to foster energy awareness throughout your organization

Expert Access

- ▶ Gain insights from industry experts to deepen your understanding of energy management and optimize your energy systems

Integrated Financial Analysis Framework

- ▶ Access integrated project analysis, including cost-benefit analysis for capital projects

"Reducing emissions through energy efficiency is a powerful way industries can make a mark on reducing their carbon footprint while reducing energy costs. The SEMI program is an ideal opportunity for industries seeking to decarbonize through energy management and retrofits."

- **Stephanie Voysey, Head of Sustainability and Environment, Lafarge, Western Canada**

SEM CORE STREAM

Participants can choose one of two SEM streams. The SEM Core Stream is tailored for facilities aiming to **enhance their technical capacity and implement effective energy management practices**. This stream is designed to meet the needs of agile, entrepreneurial organizations.

Participants will gain access to technical expertise to advance energy management among staff and identify potential energy savings within their organization.

- ▶ **Participants per facility:** 1 (or more)
- ▶ **Duration:** 12 months
- ▶ **Focus:** Technical capacity building and establishing energy management
- ▶ **Outcome:** An SEM plan that identifies opportunities for sustainable energy savings

SEM COMPREHENSIVE STREAM

The SEM Comprehensive Stream caters to facilities that **recognize the critical role of process in driving change**. These are facilities with an existing emphasis on management systems and quality, seeking to achieve lasting energy savings.

This stream focuses on knowledge transfer and designing an SEM plan that aligns with the culture and needs of your facility. Participants will receive one-on-one coaching over an extended period to help advance energy management across various aspects of the organization.

- ▶ **Participants per facility:** 2 (or more)
- ▶ **Duration:** 18 months
- ▶ **Focus:** Facility alignment on energy management and increased organizational capacity
- ▶ **Outcome:** An SEM plan that fosters facility-wide sustainable energy management

COST TO PARTICIPATE

For-profit organizations can offset the cost of SEM training through in-kind contributions. An example of an in-kind contribution is the time spent by an employee to participate in the SEM training or to implement SEM at their facility. SEMI will evaluate in-kind contributions for each participant on a case-by-case basis.

SEM training is provided at no cost to not-for-profits and Indigenous organizations.

ABOUT SEMI

Emissions Reduction Alberta's Strategic Energy Management for Industry (SEMI) program is designed to provide industrial and manufacturing facilities with knowledge, expertise, and training in energy management.

With \$50 million in funding provided by the Government of Alberta and Natural Resources Canada (NRCan), SEMI will help the province's industrial and manufacturing sectors increase competitiveness and reduce emissions. The program ends in March 2027.

SCAN TO LEARN MORE

GET IN TOUCH:

semi@eralberta.ca



HOW TO APPLY

