



**Partners in  
Project Green**

A Program of Toronto and Region Conservation Authority

# **ELC & SME Consortium**

## Energy Manager Support Services

November 16, 2022

We respectfully acknowledge that we are situated on the Traditional Territories and Treaty Lands, in particular those of the Mississaugas of the Credit First Nation, as well as the Anishinaabe of the Williams Treaty First Nations, the Huron Wendat, the Haudenosaunee, and the Metis Nation.

As stewards of land and water resources within the Greater Toronto Region, Toronto and Region Conservation Authority appreciates and respects the history and diversity of the land and is grateful to have the opportunity to work and meet on this territory.



# Additional Resources

- [yrnature.ca/acknowledging\\_land](http://yrnature.ca/acknowledging_land)
- [edgeofthebush.ca](http://edgeofthebush.ca)
- [native-land.ca](http://native-land.ca)
- Text 1-855-917-5263 with your City and Province to learn whose traditional territory you're on  
(standard text messaging rates may apply)



# Agenda

Time	Activity
1:00-1:10pm	Introduction and Updates
1:10-1:35pm	Energy Manager Support Services with Goldfin
1:35-2:00pm	Q&A/ Discussion



# Introduction



# Upcoming ELC Sessions

Date	Topic	Location
December 1, 2022 @ 1pm	<i>Member Roundtable (In-Person/ Virtual)</i>	<i>TRCA Head Office 101 Exchange Avenue, Vaughan</i>

\*\*Please contact Matt Brunette if you are interested in hosting an ELC Site Visits next year



# Updates and Reminders

- ELC member reporting for 2022:
  - 2022 consumption metrics for energy, natural gas, and water saving projects/ upgrades
  - Tracking helps us celebrate our impact as a consortium of energy leaders!
  - Complete and return spreadsheet by **Jan 20, 2023**

Energy Conservation Measure Description	Utility	Annual Consumption Savings		Monetary Savings (\$)
			kWh	
			m3	
			L	
			kW	



# Updates and Reminders

- PPG Executive Management Committee is open for applications:
  - Eight seats for businesses available for PPG members in good standing
  - 2-yr renewable term, starting March 2023
  - 2-hr quarterly meetings
  - Act as a catalyst for new ideas, innovation, and excellence
  - Provide strategic oversight to PPG
- More info: <https://partnersinprojectgreen.com/blog/ppg-executive-management-committee-is-open-for-applications/>





# Updates and Reminders

**The 2022 People Power Challenge Is Complete!**

*Congratulations, **Sheridan College**. You are the 2022 People Power Challenge Champions!*

## Final Scores



PPC 2022 final scores

<https://partnersinprojectgreen.com/people-power-challenge-2022/>



# Today's Speaker



**Andrew Knox, Ph.D., P.Eng, CEM, CMVP**

Andrew@goldfin.ca

416-770-5669

Andrew Knox has been supporting Energy Managers in meeting their goals for over 5 years, since before the start of the IESO's Energy Manager Support Services.

He is an expert not only in the technical challenges Energy Managers face, but also the organizational, operational, and financial barriers to delivering consistent high-quality energy performance optimization.





# Energy Manager Support Services

**NOVEMBER 16, 2022**

# Energy Manager Support Services and the Save on Energy EM community

**Andrew Knox**

Senior Program Manager, CEM, CMVP, Cp EnMS

# How Energy Manager Support Services can help you

1. Free services from Energy Manager Support Services
2. Identifying your organization's barriers to systemic energy performance management
3. Services in 2023



# 2021 Energy Manager Awards

November 24<sup>th</sup>, 2022

8:30 a.m. – Noon

International Centre, Mississauga

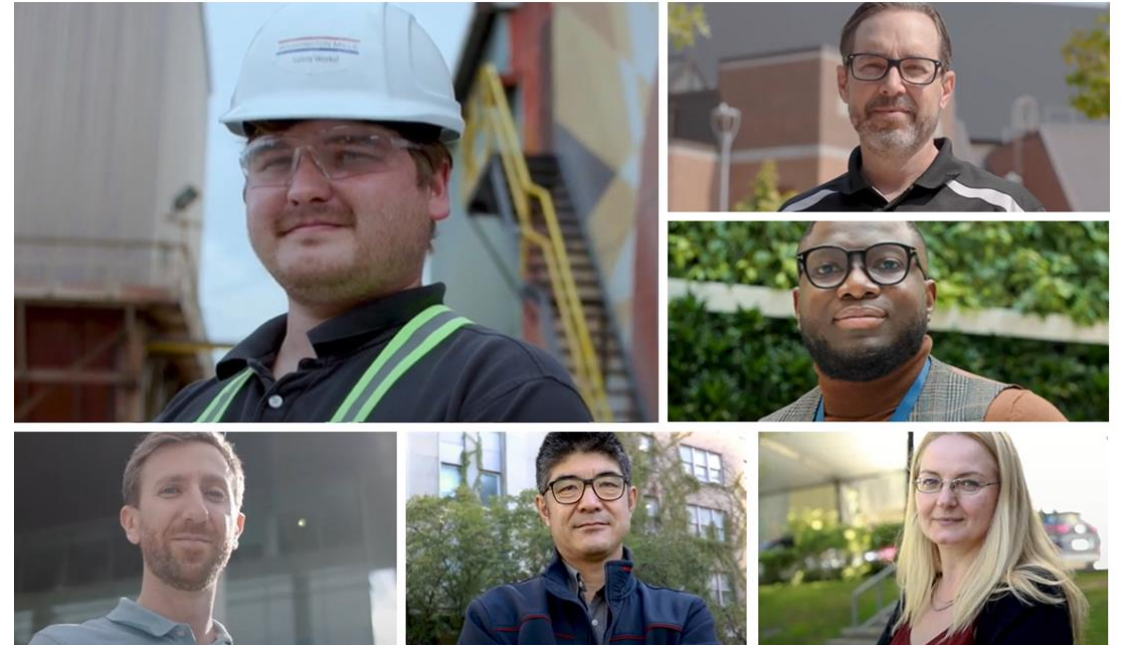
Register Now →  
Space is Limited!



- In-person networking with your peers
- Interactive panel discussion with award winners on their key success factors
- Free to attend; continental breakfast provided

For more info, contact:  
[admin@energymanagerprogram.ca](mailto:admin@energymanagerprogram.ca)

## Previous 2020 Award Winners



# EMSS can provide you with free services

Sign up at [emss.goldfin.ca](https://emss.goldfin.ca)

- Coaching Services
- Training and tools
- Learning platform
- Workshops & Meet-ups
- Connection with other Energy Managers



**SAVE ON ENERGY** | DELIVERY PARTNER

Welcome to the Energy Manager Learning Platform!

An online resource for Ontario's energy management community. To register please contact [admin@energymanagerprogram.ca](mailto:admin@energymanagerprogram.ca).

**Login**  
Please login to get started.



# Coaching services help you tackle your problems

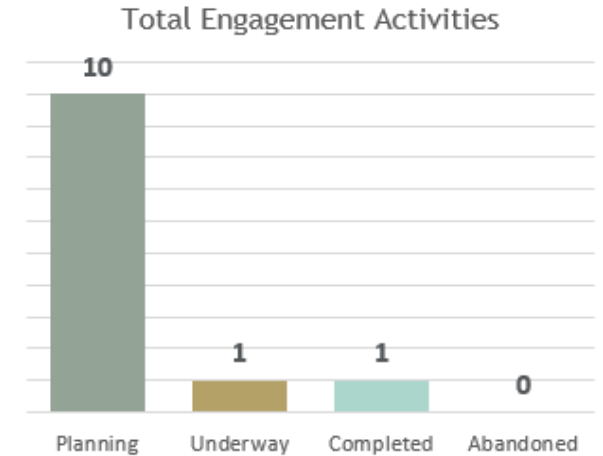
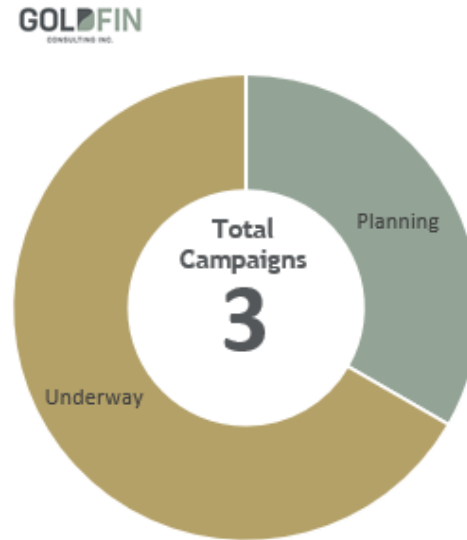
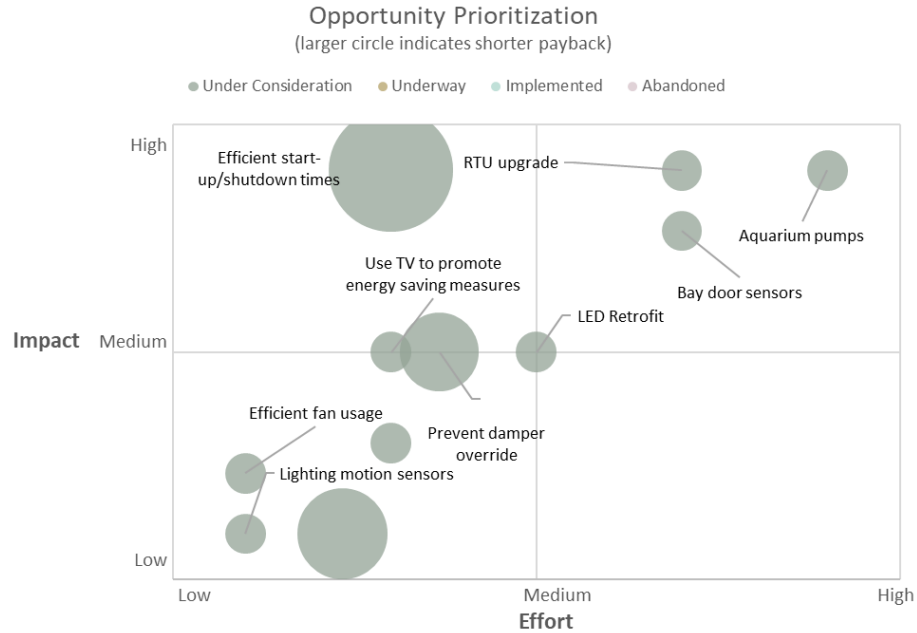


Image by Kat SS T, 23 April 2017

- Advice on project M&V and Program reporting
- Guidance on technical or data analysis
- Support implementing energy management best practices
- Talking through tough energy management issues



# EMSS has tools we can train you to use

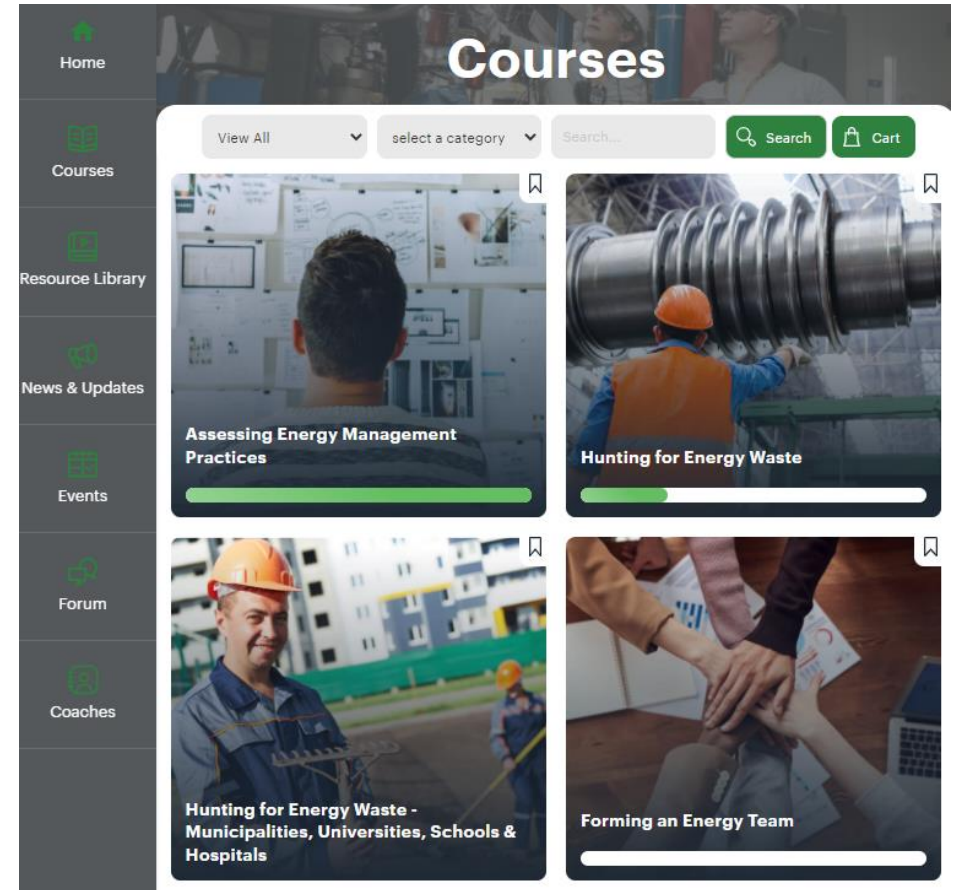


# Engaging online courses are available

Focused on implementing specific components of strategic energy management.

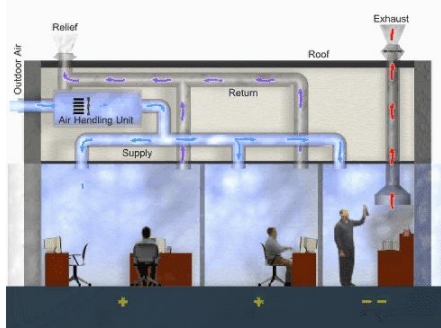


Excerpt from "Forming an Energy Team" course.

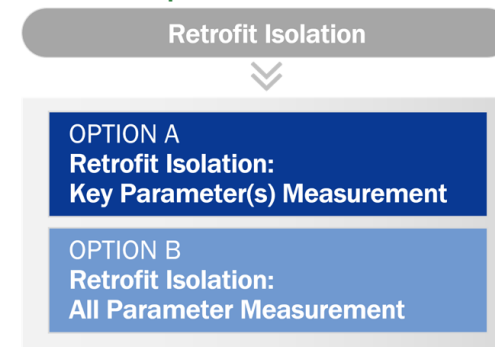


# EMSS offers workshops and meet-ups

HVAC workshop, July 2022



M&V workshop, June 2022



Fans Workshop, Nov 2022



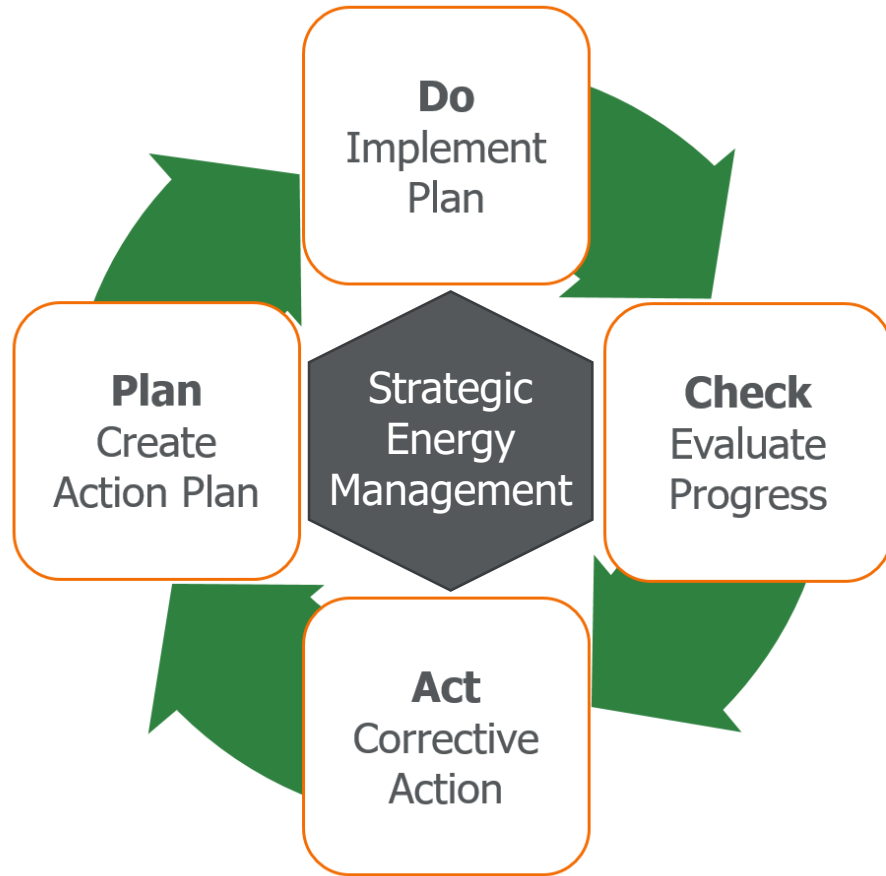
SEM workshop, Sept 2022



# Connecting with other Energy Managers



# Value of Continuous Energy Performance Improvement



- Embeds sustainable energy practices in normal operations
- Is a proven approach to enact real change
- Reduces energy costs and GHG emissions
- Enhances competitiveness
- Manages regulatory and market risks

# Strategic Energy Management (SEM)



## Components of SEM

- Management Commitment
- Planning
- Monitoring and Reporting
- Opportunity Identification and Implementation
- Operational Integration
- Employee Engagement

# Management Commitment

Lack of management commitment is the greatest risk to your energy performance

## What does Management Commitment look like?

- Endorsing an energy policy that includes clear commitments
- Allocating human and financial resources to energy management
- Endorsing and empowering an energy team
- Assigning responsibility for energy performance

# Management Commitment at City of Mississauga

*"We couldn't have done all we've done to save energy and reduce our GHG emissions without resources. Management commitment gets you access to the resources you need, including money and trust. If you make good use of that trust to drive more commitment and you can create more success."*

Daniela Paraschiv, Energy Manager  
City of Mississauga  
Save on Energy Award Winner





# What are your barriers in energy management?

## Components of SEM

- Management Commitment
- Planning
- Monitoring and Reporting
- Opportunity Identification and Implementation
- Operational Integration
- Employee Engagement



Image by David Lally, 9 July 2011

# Starting points for addressing your barriers

- Energy Management Assessment
- Monitoring and Reporting training
- Forming an Energy Team
- Hunting for Energy Waste

Make an appointment with a coach now.



# The Strategic Energy Management program



In 2023, the IESO will launch a Strategic Energy Management (SEM) program that provides training, resources and enhanced technical support.

# 2021 Energy Manager Awards

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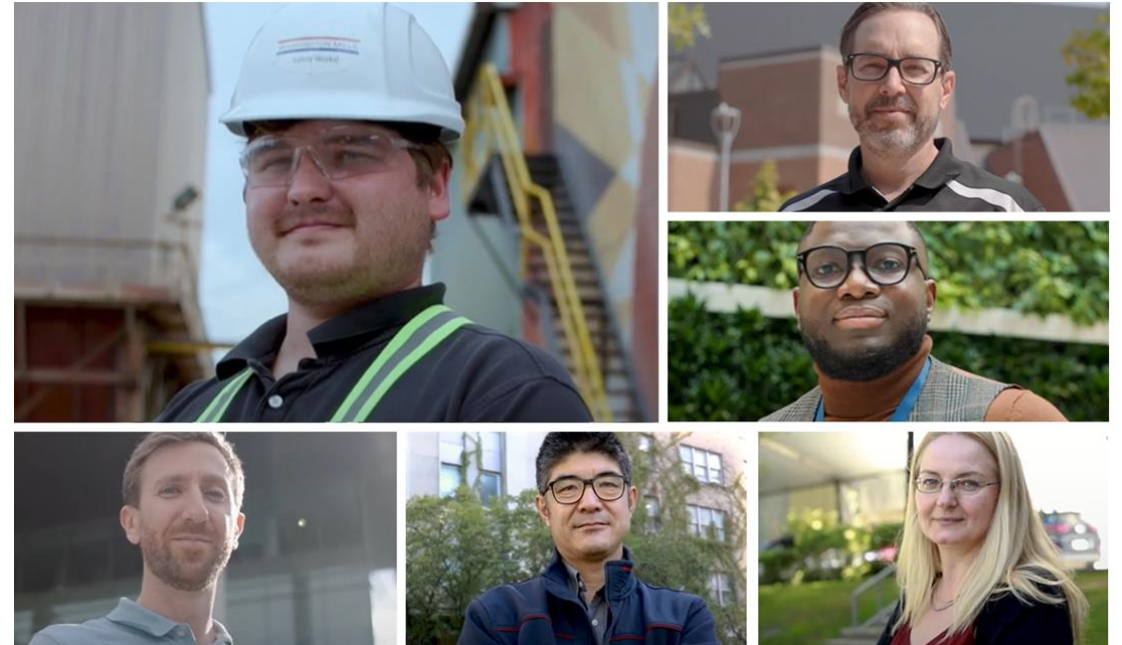
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## Previous 2020 Award Winners





Thank you!

# A Proven Path to Success

Faster

6-10% reduction after 2 years<sup>1</sup>

Higher

Cut energy use by **up to 20%** just through low-cost opportunities<sup>2</sup>

Further

Sustained annual reductions of **2.5%-3.5%**<sup>3</sup>

<sup>1</sup> ACEEE <sup>2</sup> Energy Trust of Oregon

<sup>3</sup> Harvard Business Review

# Energy Management Assessment questionnaire

Energy Management Assessment



Also find this questionnaire as a component of the “Assessing Energy Management Practices” course at

[emss.goldfin.ca](http://emss.goldfin.ca)



# Partners in Project Green

A Program of Toronto and Region Conservation Authority



# Thank You!