

March 25, 2026



Ennova

WEBINAR

Existing Building Commissioning
with Save on Energy Support

AGENDA

1. Welcome
2. Watt's New at Enova
3. EBCx with Save on Energy
4. Discussion

Feel free to ask questions at any point during the webinar!



Fast Facts



1,108 km²

Service territory

164,851

Business and residential customers

306

Employees

Our Purpose:

To energize and empower our communities.

Our Vision:

To drive what's next in energy and sustainability for our communities and beyond.

Assets

\$638M

Capital assets

12

Transformer stations

3,699

Kilometers of line

45,699

Poles

19,591

Transformers

2,074 km
overhead

1,625 km
underground

WATT'S NEW



WATT'S NEW AT ENOVA

□ Customer Information System Consolidation

- *new account number for customers in Waterloo, Woolwich and Wellesley*

□ March is Fraud Prevention Month

- *no threats to disconnect service over the phone*
- *no bill payments over the phone, in office or online*
- *no unsolicited visits about energy services*

□ Electrical Safety Survey

- *quick and anonymous, conducted online and over the phone*
- *enovapower.com/safetysurvey*

SUPPORT FROM ENOVA POWER

□ Your single point of contact

- *expert advice for anything energy or utility related*
- *think of us as an extension of your team*
- *no cost for our support*

□ Energy Assessment & Project Development

- *lean on our experiences and lessons learned*

□ Incentive Application Support

- *Save on Energy, Enbridge, NRCan, municipal*
- *Business Benefits Finder website - Canada*



EXISTING BUILDING COMMISSIONING

Unlocking Energy Savings Through Operational Optimization

Presented by:
WalterFedy | Energy & Carbon Solutions Team



WALTERFEDY



PATRICK DARBY

WalterFedy

Director of Energy &
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Energy Engineer & Project Manager



WALTERFEDY

A TEAM THAT'S BUILT **TO SUPPORT YOU**



75 YEARS IN BUSINESS
300+ TEAM MEMBERS
5 OFFICES ACROSS CANADA



ENERGY & CARBON SOLUTIONS TEAM

Our team supports building owners across Canada with:

- Building commissioning
- Energy & carbon reduction strategies (energy audits & GHG feasibility studies)
- Utility incentive program support
- Building systems optimization
- Geothermal design

Highlights:

- EBCx Qualified Commissioning Provider
- 40+ years of commissioning experience
- Certified Commissioning Professionals (CCP)
- Projects across healthcare, education, municipal, & commercial facilities



ENERGY AUDIT

- 1 CAPITAL INTENSIVE MEASURES
- 2 DEEP ENERGY RETROFIT
- 3 CX DEPENDENT PERFORMANCE

EBCx

- 1 NO / LOW COST MEASURES
- 2 FINE TUNING EXISTING SYSTEMS
- 3 OPERATORS CONTINUALLY OPTIMIZE PERFORMANCE

WHY WE'RE TALKING ABOUT EBCX TODAY

Most buildings are not operating as efficiently as they could.

Even well-managed buildings experience:

- Control schedules overridden
- Setpoints drifting over time
- Equipment operating longer than required
- Sensors out of calibration
- BAS sequences not optimized
- Heating & cooling fighting each other

This leads to:

- Higher energy costs
- Increased carbon emissions
- Reduced equipment life



EXISTING BUILDING COMMISSIONING (EBCX)



Building owners and operators are finding that **Existing Building Commissioning (EBCx)** can pay for itself in as little as a few months, with ongoing operational cost reductions continuing for the **remaining building lifecycle.**

WHAT IS EXISTING BUILDING COMMISSIONING?

EBCx is a systematic process that **optimizes the performance of existing buildings** by fine-tuning systems & identifying operational improvements.

GOALS INCLUDE:

For Operators:

- Fewer complaints
- Better control of systems
- Easier troubleshooting

For Administrators:

- Lower operating costs
- Better asset performance
- Supports budgeting decisions

For Everyone:

- Improved comfort
- Energy and carbon reduction
- Extended equipment life

THE GOOD NEWS!

Many of these inefficiencies can be corrected through **operational improvements rather than capital upgrades.**

Existing Building Commissioning helps identify and implement:

- Low-cost improvements
- No-cost operational changes
- Controls optimization
- Scheduling improvements

WHAT MAKES A BUILDING THE PERFECT CANDIDATE?

Older than 6-7 years old

Has a BAS system that can be optimized or has distributed controls

Min. 750,000 kWh of usage per year for Save on Energy EBCx eligibility

Typical ECMs:

- Scheduling
- Optimize Outdoor Air
- Delivery mismatch (unit vs BAS)
- Physical damage
- Heat Recovery optimization (malfunction)
- Controls (elimination of simultaneous heating & cooling)



WHAT DOES EBCX INCLUDE?

Investigate

Review energy use
& building data

1

2

Identify issues/ECMs

Find inefficiencies and
control problems

Implement fixes

Adjust schedules,
recalibrate sensors,
optimize controls

3

4

Verify and monitor

Ensure improvements persist

WHY ENOVA SUPPORTS EBCX

Utilities recognize that operational improvements are one of the **most cost-effective ways to reduce energy consumption.**

Benefits to the grid:

Reduced peak demand

Improved energy efficiency

Lower emissions

Better system reliability

This is why programs like **Save on Energy** provide incentives.



SAVE ON ENERGY PROGRAM OVERVIEW

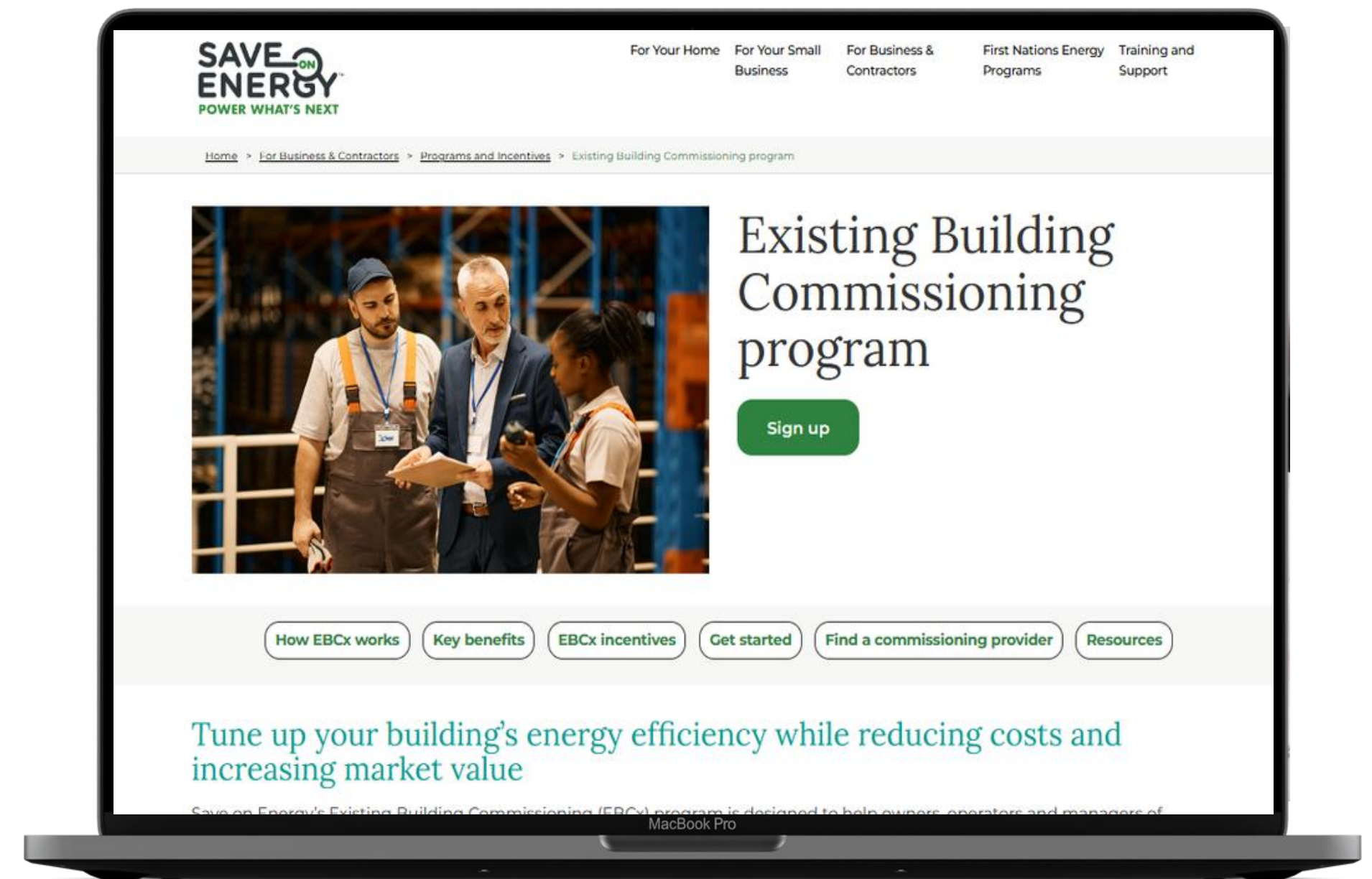
The Program Provides:

Funding for investigation

Incentives tied to energy savings

Structured process for implementation

Support from approved commissioning providers



WHO IS ELIGIBLE?

Typical participating facilities include:

Commercial office buildings

Institutional facilities

Industrial sites

Municipal buildings

Hospitals & healthcare facilities

Schools & universities



INCENTIVES

HOW DOES THE IESO INCENTIVE WORK?

1. Investigation Phase

Hire a CP to investigate your facility, prepare a report and draft a commissioning plan.

- ✓ Receive up to \$0.06 per square foot of the building area, subject to a maximum of \$50,000 per facility and/or 75% of the costs paid by the participant to the commissioning provider to undertake the investigation.

2. Implementation Phase

Implement energy-efficiency measures identified in the commissioning plan.

- ✓ Receive incentive of \$0.03 per kWh of confirmed energy savings, subject to a maximum of 30% of the facility's annual electricity consumption (kWh) calculated using the baseline model or \$50,000, whichever is lower.

3. Persistence Phase

Receive training from your CP to maintain and monitor systems for one year.

- ✓ Receive incentive of \$0.03 per kWh of persisting energy savings, subject to a maximum 30% of the facility's annual electricity consumption (kWh) calculated using the baseline model or \$50,000, whichever is lower. Savings are calculated and verified after the 12-month period.

The EBCx program has three phases, incentives are available to participants who complete each one.

OTHER STUDY INCENTIVES

Prescriptive incentives
(Equipment upgrades)

Energy assessments
(min. 100,000 m³ natural gas usage)

Limited time controls incentive
\$1.20/m³ saved

Year-round
\$0.40/m³ saved

Custom for complex portfolio projects



PROJECT RESULTS



Annual Impact

- 550,000 m³ Natural Gas Reduced
- 160,000 kWh Electricity Saved
- 1,060 Tonnes GHG Reduced

System Optimization Across Critical Infrastructure

Heating, ventilation, and heat recovery systems aligned for performance

Outcome

Lower operating costs. More funding for patient care.

WALTERFEDY

SAVE ON ENERGY



LEARN MORE HERE



