

ENSPiRE SESSION 1

A Practical Methodology for Energy Efficiency and Carbon Reduction

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Empowering You To Save

This webinar introduced a seven-step approach to identifying and implementing energy and carbon reduction opportunities in buildings. The focus was on reducing energy waste and improving efficiency before considering on-site generation or of sets as part of a Net Zero strategy.

Following this methodology can help organizations uncover practical and cost-effective solutions. A key takeaway is that Projects, Processes, and people must all be considered to achieve success in energy management.

Benefits of Energy Management

Being aware of and actively managing energy consumption in your buildings can provide a variety of benefits to your organization including:

- Direct and indirect energy savings
- Increased comfort, productivity, and safety
- Reduced environmental impact
- Improved equipment reliability

The 7 Steps

The 7 steps provide a methodical approach to assessing current energy use, exploring its influencing factors, and identifying potential reduction opportunities. Check out the Seven Steps Checklist for Energy Systems on the BOMA Enspire program resources page to help guide your analysis.

1. Understand Consumption, Price & Cost

- Understand how electrical and gas metering works, and how the timing of energy consumption can affect incremental and total energy costs.

2. Compare yourself

- Create a benchmark for your organization.
- Compare the buildings within your company and your organization/ buildings to other organizations/buildings within your sector.

3. Understand WHEN your building uses energy

- What are your daily, weekly, monthly consumption profiles?
- How can you monitor energy demand and why?

4. Understand WHERE your building uses energy

- Create an inventory of your building's power loads.
- Identify waste by comparing energy use to energy needs.

5. Eliminate energy waste

- Turn it of.
- Turn it down.
- Control it.

6. Improve energy efficiency

- Efficiency=output/input
- Size your equipment to match the need and maintain it.
- Eliminate energy waste.
- Address operational issues as they arise.

7. Optimize energy supply

- Look at ways of optimizing supply after reducing waste & increasing efficiency.
- Consider opportunities for heat recovery, on-site generation and renewable fuel & energy purchasing.

By following this seven-step methodology, organizations can uncover hidden inefficiencies, make informed decisions, and achieve measurable energy and carbon reductions. These steps not only lead to cost savings but also improve occupant comfort, system reliability, and environmental performance.

Access Resources and the session tool kit [here](#):

Access the Session recording [here](#):

May 15, 2025 Presented by

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ENSPiRE
A BOMA Initiative

Funded by Natural
Resources Canada's Deep
Retrofit Accelerator Initiative

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