



Environmental Design (LEED) program and the Building Owners and Managers Association (BOMA) of Canada's Building Environmental Standards (BEST) program.

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### Building recommissioning

Recommissioning is one of the most cost-effective ways to improve an existing building's energy performance. It improves how building equipment and systems function together and resolves problems that can develop during design, construction and daily operations. Recommissioning leads to lower energy costs, increased performance, improved indoor air quality and enhanced property values and can yield energy savings of up to 16 percent with a typical payback of just over a year.<sup>2</sup>

Technical advice and information – including workshops, courses, software, guides, case studies and other offerings – are available from NRCan to get your existing building commissioning projects under way.

### Energy-efficient federal buildings

**Leading by example:** The Federal Buildings Initiative (FBI) is a key tool to enable federal departments and agencies to reach their emissions reduction targets under the Federal Sustainable Development Strategy.

Since 1991, the FBI has assisted with more than 85 retrofit projects, generating over \$43 million in annual savings. The FBI has been expanded recently to offer an even greater level of service, including a community of practice on energy efficiency best practices. Offering in-depth support and technical advice to navigate the government procurement process, the FBI facilitates energy performance contracts and provides advice on environmental assessments. The FBI also maintains an online list of energy service companies that can bid on federal projects.

<sup>1</sup> EnergyIdeas Clearinghouse, *Building Commissioning for New Buildings: Energy Efficiency Factsheet*, Washington State University, [www.energyideas.org/documents/factsheets/BuildingCommissioning.pdf](http://www.energyideas.org/documents/factsheets/BuildingCommissioning.pdf).

<sup>2</sup> Mills, Evan, *Building Commissioning: A Golden Opportunity for Reducing Energy Costs and Greenhouse Gas Emissions*. Lawrence Berkeley National Laboratory, July 21, 2009, p. 22, [cx.lbl.gov/2009-assessment.html](http://cx.lbl.gov/2009-assessment.html).

## Capacity building

**Training, information and awareness-building** are essential to a comprehensive approach to energy efficiency. An integrated approach includes not only the "hard" elements, such as capital upgrades, but also the "softer" elements, such as organizational and behavioural change. Ongoing capacity building ensures that technical and operating staff are qualified to operate equipment safely and is key to keeping your energy strategy on track. **ecoENERGY Efficiency for Buildings** offers tools, information and how-to guides to increase the capacity of your staff and address both the "hard" and "soft" sides of energy management.

**Dollars to \$ense workshops:** Our renowned energy management workshops have already provided practical information and know-how to more than 23 000 people across Canada. We can train your employees to use the latest tools, incorporate best practices and build a culture of energy efficiency. Workshops can be customized to meet the specific needs of your organization. Register for the following workshops across Canada:

- Energy Management Information Systems
- Recommissioning for buildings
- Energy Management Planning
- Spot the Energy Savings Opportunities
- Energy Monitoring
- Energy Efficiency Financing

**RETScreen® International training:** When designing or retrofitting a building, use RETScreen® Clean Energy Project Analysis Software. This unique decision-support tool helps you evaluate savings for a wide range of renewable energy and energy-efficient technologies. NRCan's RETScreen® software is a proven enabler of clean energy projects worldwide. Visit [retscreen.net](http://retscreen.net) to find out more.

### For more information

**ecoENERGY Efficiency for Buildings** offers a wide range of tools and publications, including newsletters, online calculators, case studies, technical fact sheets, guides and financing information. For more information, visit NRCan's Office of Energy Efficiency at [oee.nrcan.gc.ca](http://oee.nrcan.gc.ca).

Natural Resources Canada's Office of Energy Efficiency  
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