

## **ENERGY STAR for Industry Program**

**ENERGY STAR for Industry** program is delivered by Natural Resources Canada (NRCan) in cooperation with the U.S. Environmental Protection Agency and recognizes verifiable energy achievements. Participation in the program demonstrates the willingness of Canadian businesses and organizations to drive the transition to a low-carbon, clean-growth economy. There are two components to the program: ENERGY STAR for Industry Certification and ENERGY STAR for Industry Challenge.

**ENERGY STAR for Industry Certification** benchmarks industrial energy use across Canada and the U.S. It awards facilities that score in the top 25% of energy efficient facilities. The benchmark tool, known as an Energy Performance Indicator (EPI), compares a facility's energy use to others in the same sector. The first Canada-U.S. EPI is for Integrated Steel Mills. NRCan is developing EPIs for other industry sectors, such as cement, fertilizer, automobile assembly and commercial baking for use in Canada.

The **ENERGY STAR Challenge for Industry** is a tool designed to establish or reinforce fundamental energy management practices in industrial facilities and improve energy performance. Facilities participate by pledging to reduce energy intensity by 10% within 5 years. At least 50% of energy use must be in manufacturing, and research and development, and a facility must be able to set a baseline energy metric.

For additional information on this program, please check out NRCan's [ENERGY STAR Certification](#) and [ENERGY STAR Challenge](#) webpages, join our [CIPEC LinkedIn group](#) and follow us on [Twitter](#).

## **NRCan Energy Efficiency Program Cost-Shared Assistance**

Natural Resources Canada has funding available to help companies with [energy management related projects and studies](#). We offer up to 50% of eligible projects costs to a maximum of \$40K for items such as consulting fees, training and salaries. Our programs are stackable with funding from other sources including provincial governments, municipalities and utilities.

Energy management systems are implemented quickly, produce results immediately, generally have payback periods of less than two years, and continually generate savings. Examples of Energy Management Systems include:

### **Energy Management Information Systems (EMIS):**

Implementing an EMIS can make energy visible across an organization – a critical element to meeting energy performance targets. It is a good idea to have one of these in place before looking at other energy reduction opportunities such as retrofits and process upgrades.

### **ISO50001 Energy Management Standard:**

ISO 50001 systems help businesses plan, measure and continually improve. They have been proven to increase energy efficiency, reduce costs, reduce emissions and improve competitiveness. Energy management systems, such as ISO50001, have resulted in energy savings of as much as 10% to 20% energy within the first 5 years of

implementation. Thousands of companies are ISO 50001 certified around the world – and the list is expanding.

Cost-shared assistance for certain energy management studies can help reduce the cost of hiring a technical firm to conduct assessments. NRCan can help fund:

**Process integration studies:**

These are about maximizing heat recovery between processes. It's relevant if your facility uses steam and hot water, and has a high refrigeration load and thermal energy use.

**Computational fluid dynamic studies:**

These are about improving combustion performance in specific equipment using computer modelling. Useful if your facility uses really large furnaces and boilers.

For more information on these and other NRCan programs contact info [info.ind@NRCan-RNCan.gc.ca](mailto:info.ind@NRCan-RNCan.gc.ca), or go to [www.cipec.ca](http://www.cipec.ca).