



## Industrial Energy Manager

### A Strategic Approach to Sustainable Energy Savings

Electrical energy can account for a significant percentage of the operating costs of industrial organizations. Due to increasing energy demand in B.C., the projection is that electricity energy costs will continue to rise in the future. The development of a long-term plan to increase energy efficiency can address that risk and provide an effective cost reduction strategy.

Because many organizations do not have the human resources or time to develop an energy management program, BC Hydro now offers industrial transmission customers a strategic advantage: the expertise and skills of an industry-focused energy manager – one who is skilled in the technical and managerial aspects of industrial energy management.

### Benefits for Industrial Customers

An energy manager can be a key business asset, giving your organization a competitive advantage in the marketplace. As the “energy champion” within your company, an energy manager provides leadership and guidance on energy management issues. An energy manager can help you realize these benefits:

- Sustainable energy savings through the implementation of a strategic approach to energy management
- A more informed, motivated and proactive workforce who are able to contribute efficiency solutions
- Better coordination of energy management activities between internal departments and teams
- Achievable, sustainable energy savings through the implementation of a comprehensive, strategic energy management plan based on continuous improvement of operations

### What an Energy Manager can do for your Organization

An industrial Energy Manager can provide solutions for many industrial challenges. Typical activities include:

- Developing an effective communications and employee awareness strategy to lead behavioural change and education of your workforce
- Developing a systematic, process-oriented program of energy management that will provide sustainable energy savings

By working together, we'll identify the best and most sustainable energy management program for your business – one that's focused on continuous improvement. The result? Reduced energy and maintenance costs and improved productivity, making your business more competitive.



ENERGY EFFICIENCY IS EASIER

- Coordinating multi-functional teams to address energy management challenges in a variety of internal departments, such as Purchasing, Training, Human Resources, Operations and Maintenance
- Conducting energy-use baseline and energy management assessments
- Developing Monitoring, Targeting and Reporting, and Measurement and Verification protocols – important elements of a sustainable energy management program – and training employees in their use
- Leading the identification, evaluation and implementation of energy efficiency projects
- Evaluating purchasing strategies to optimize equipment life-cycle costing

**How BC Hydro Can Help**

The Industrial Energy Manager program co-funds the cost of hiring an energy manager for your operation. We will work with you to determine the scope of work for the energy manager and tailor the program to your company's unique business needs. <sup>1</sup>

To ensure a high level of expertise, qualified energy managers will be drawn from a pool of individuals who have appropriate industrial experience, skills and training. These candidates may be registered with the BC Hydro Power Smart Alliance group. The energy manager may be either an employee or a consultant.

With BC Hydro co-funding, the program is low-cost and low-risk for your organization.

The table below summarizes the features of the two Energy Manager options.

Option	Who It's For	Deliverables	Key Features	Funding	Benefits
Energy Manager	Industrial Power Smart Partners implementing energy-saving projects, business process improvements and employee awareness initiatives	Quarterly reports summarizing projects completed and energy savings achieved	Additional Power Smart initiatives support energy management practices	BC Hydro co-funds cost of hiring Energy Manager	Lower energy costs, reduced equipment wear and tear, and increased productivity resulting from energy efficiency improvements
Energy Manager with SEMP	Industrial Power Smart Partners interested in and able to implement continuous improvement in energy management	SEMP developed through a BC Hydro-sponsored workshop  Quarterly reports summarizing projects completed and energy savings achieved	SEMP is executed by the Energy Manager  Additional Power Smart initiatives support energy management practices and SEMP implementation	BC Hydro co-funds cost of hiring Energy Manager plus additional costs to support SEMP  Extended Energy Manager term, up to two years	Sustained, operation-wide energy and maintenance savings and productivity gains

<sup>1</sup> While the Energy Manager program is designed to focus on electrical energy efficiency, thermal energy forms may also be considered.



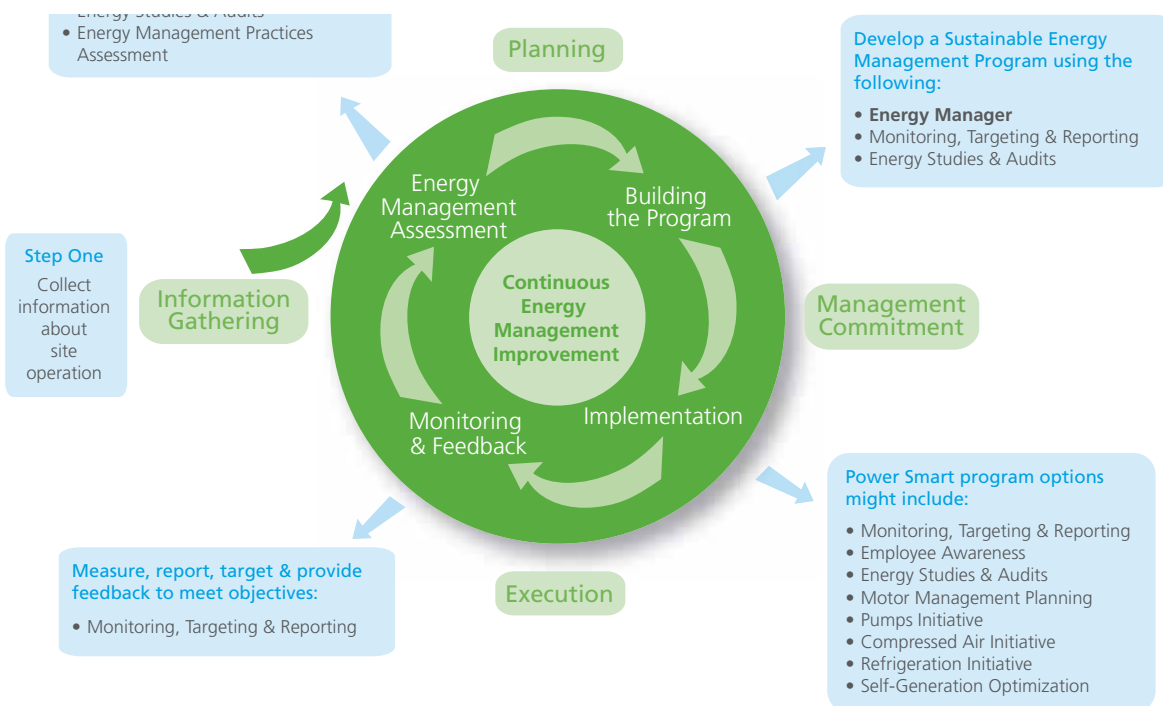
## How it Works

The Industrial Energy Manager program is designed for all BC Hydro industrial transmission customers participating in the Power Smart Partner program. We offer two options: "Energy Manager" is for customers who wish to focus on specific energy efficiency improvements, while "Energy Manager with SEMP" takes a more comprehensive approach, using the Sustainable Energy Management Program (SEMP) model to implement a program of continuous improvement in energy management. Talk to your Key Account Manager to determine which option is better for your business.

## The Sustainable Energy Management Program: A foundation for integrated energy improvement

Taking a comprehensive, integrated approach to energy management is the key to being able to capitalize on efficiency opportunities and realizing sustained energy savings. The diagram below shows how the Sustainable Energy Management program leverages other Industrial Power Smart initiatives, which have been designed to support continuous improvement in energy management. To determine which option is better for your business.

### Sustainable Energy Management Program



## For More Information

BC Hydro offers expertise that can help your organization achieve sustainable energy savings. Contact your Key Account Manager to discuss participating in the Industrial Energy Manager program or call us at 1 866 453-6400 or send an email to [industrial@bchydro.com](mailto:industrial@bchydro.com).

## A Comprehensive Approach to Manage Energy and Costs

BC Hydro offers Power Smart Partner Transmission customers a comprehensive and integrated approach to sustainable energy management. Whether your business goal is to reduce operating costs, improve competitiveness and profitability, improve facility environments or show corporate leadership through environmental practices, we can facilitate solutions to meet your needs. We offer programs including Energy Manager, Energy Studies & Audits, Employee Awareness & Training, Monitoring, Targeting & Reporting, and Motor Management Planning.

*Conservation is the first and best way to help meet B.C.'s future electricity needs.*

**BC hydro**  
**POWER SMART**

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