



Advice and
financial incentives
to become more
Energy Efficient

Sponsored by Efficiency NB



5-Day Comprehensive Course for Energy Managers • Preparation for the CEM® Examination

CEM • As the most widely recognized professional certification in the energy management field, the Certified Energy Manager (CEM) credential offers you an ever expanding and diverse range of benefits within your profession.

Increasingly, government and utility-run energy management programs are requiring CEM designations as part of their review and approval processes. Increasingly, companies are turning to CEMs within their companies to lead energy management initiatives. These are just a few examples of how certified energy managers realize a critical competitive edge in the energy management marketplace. If you'd like to learn more about the many ways that having your CEM credential can help you and your company, [click here](#).

There are currently more than 7200 Certified Energy Managers throughout the world and over 600 presently in Canada.

Overview

Through this offering, you will engage in a detailed program of instruction covering the technical, economic and regulatory aspects of effective energy management, and the latest energy cost reduction techniques and strategies.

The seminar provides a comprehensive learning and problem-solving forum and specific preparation for the CEM® certification examination.

On the afternoon of day five, the Certified Energy Manager® examination will be administered to seminar participants who have applied for certification.

Who should attend?

This special in-depth, five-day seminar is ideal for energy management professionals, project engineers, and energy managers from the industrial and buildings sectors, utilities, and energy service providers who want to achieve the CEM® designation to:

- Better Manage Energy Costs
- Better Serve their energy management clients
- Build an Energy Management Program
- Gain recognition of their expertise, joining a growing community of Certified Energy Managers in Canada.

Date and Location

September 14–18, 2009
Holiday Inn Express Hotel and Suites
400 Main Street
Saint John NB E2K 4N5
Phone: 506-642-2622
Or 1 877 660-8550

Note: A block of rooms has been set aside for course participants at a special rate of \$115 per night, including parking and breakfast. When booking your room, notify the hotel that you are attending the CEM Course through CIET to obtain the special rate

Enroll in the CEM preparatory course, and begin taking advantage of the knowledge that the CEM designation can bring to you

Course outline

- Codes, Standards and Indoor Air Quality
- Energy Procurement
- Energy Accounting and Economics
- Building Automation and Control Systems
- Energy Audits and Instrumentation
- Green Buildings, LEED and Energy Star
- Electrical Systems
- Thermal Energy Storage Systems
- HVAC Systems
- Lighting Systems
- Motors and Drives
- Boiler and Steam Systems Industrial Systems
- Maintenance and Commissioning
- Building Envelope
- Alternative Financing
- Cogeneration and CHP Systems



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About the Instructors

Clint D. Christenson, CEM is a Senior Energy Engineer for NORESKO, Inc., where he is responsible for developing results oriented strategies with Noresko partners. He previously served as Director of Advanced Solutions for Johnson Controls, Inc. and also served as Director of Oklahoma State University's Industrial Assessment Center. His broad experience in energy management has included the conducting of over 150 industrial, commercial, and institutional energy surveys over 20 years. He has published widely in the energy field, and made numerous presentations at national and international conferences.

Jon Feldman, CEM, is an Energy Management Consultant with Hatch Consulting based in Oakville Ontario. Jon has a degree in Chemical Engineering from the University of Cape Town, South Africa. He has spent over 25 years working for clients in a wide range of process industries, including mining, mineral processing, metals,

pulp & paper, manufacturing, and food & beverage. During the last five years Jon has led over 70 energy reviews at a range of industrial facilities. For Hatch's clients, Jon focuses on combining the technical and organizational aspects of energy management to deliver substantial and sustainable savings. Engaging with site staff during workshops, and developing pragmatic implementation plans have been key factors in the success of these assignments. Jon is an accredited trainer for a "presentation skills" course, and has presented at several international conferences. Having conducted numerous innovative energy-management workshops, in a variety of industries, he brings to the CEM course not only a Canadian perspective, but also a wealth of information about the practical energy-management issues facing companies today.

Efficiency NB

Through Efficiency NB, the Government of New Brunswick is providing practical solutions to help New Brunswickers use energy more efficiently, make better energy choices, manage energy expenses and lessen the impact of energy use on the environment.

Efficiency NB has partnered with the [Canadian Institute for Energy Training](#) (CIET) and the [Association of Energy Engineers](#) (AEE), to bring the CEM preparatory course to New Brunswick for the first time. This is just one way Efficiency NB is working to increase the capacity and competitive position of New Brunswick Firms and Individuals in the growing field of energy management.

Efficiency NB has engaged to date two-thirds of the largest energy users in New Brunswick in energy efficiency initiatives through its Industrial Program. It has successfully transformed the commercial lighting market through its award-winning Bright Ideas program and continues to experience increasing demand for its commercial retrofit program, Energy Smart, and its commercial new construction program Start Smart.

These successes are increasingly building a demand for skilled Energy Management Professionals, both in the commercial and industrial sectors, as well as for the firms that provide professional services to these sectors.

More Information

To get more information on resources available, including other preparatory materials and resources, go to <http://www.aeecenter.org/certification/CEMpage.htm>

As a participant in this program, you will receive:

- Comprehensive Course Workbook
- Guide to Energy Management
- 4 CEUs and Course Certificate



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Registration Form • Certified Energy Manager Seminar

Two Ways to Register:

Mail: CIET, 125 Milne Place, Rockwood, ON N0B2K0

Fax: 1 519 856-0061

Please register me for: The 5-Day Training Course
 Certification Exam

Pay By:

Purchase Order No. _____ Cheque
 Credit Card (VISA, MasterCard, AMEX) (We will call for card details)

Name _____	Job Title _____
Organization Name _____	
Street Address _____	
City _____	Province, P. Code _____
Phone _____	Fax _____
Email _____	

Fees	
Regular Course Fee	\$1,950
AEE Member Course Fee	\$1,750
Govt/Nonprofit Course Fee	\$1,750
Special Efficiency NB course Fee available to Efficiency NB Program Participants and Service providers*	\$ 750
<i>*Special price available to one registrant only per company site in NB. Further individuals would be charged regular course fee minus \$150 Team Discount.</i>	
Certification/Exam Fee (all participants)	\$ 250
All fees subject to 5% GST	

Any Questions?

If you have any questions and would like to register to the course, contact the Canadian Institute for Energy Training at **1 800 461-7618** or visit www.cietcanada.com

Join these and many other Canadian Organizations that have participated in the CEM Program:

Efficiency NB • City of Saint John • Halifax Regional School Board • Nova Scotia Community College • Ameresco • Hatch Consulting • MCW Energy Reduction • Conestoga-Rovers • R.J.Burnside & Associates • Jacques Whitford • Stantec • Schneider Electric • Amerispec Canada • Johnson Controls • Spirax Sarco • Siemens • Morguard • O & Y Enterprise • Minto Development • Profac facilities Mgmt. • Oxford Properties • Colliers International • Bentall • Cadillac Fairview • BC Buildings Corp. • BC Housing • Prince Albert Grand Council • NRCan • PWGSC • Cities of Montreal, North Vancouver, Saskatoon, Richmond, Edmonton, Medicine Hat, Toronto, Kitchener, St. Catharines, Oshawa • Regions of Peel, Durham, Halton, York • Humber, Mohawk Colleges • University of Saskatchewan • Ryerson University • Toronto District School Board • Grand Erie District School Board • Scarborough, Mt. Sinai, Ottawa, Red Deer Regional Hospitals University Health Network, Motor Coach Industries Ford Motor Co. • Honda • Pratt and Whitney • Maple Leaf Consumer Food • Maple Lodge Farm • McCain Foods • Overwaitea Food Group • Cargill Foods • Kellogg Canada • Saputo • Parmalat Canada • Molson Canada • Syncrude • Petro Canada • Inco Ltd • Hudson Bay Mining and Smelting • Ivaco Rolling Mills • Steelcase • Falconbridge • Dofasco Unilever • 3M Canada • Dana Corporation • Siemens Building Technologies • Versacold • AECL • Husky I.M.S • Kimberly Clark • Catalyst Paper • Cariboo Pulp & Paper • Domtar Pulp & Paper • Eurocan Pulp & Paper • Scott Paper • Canadian Forest Products • Norske Canada • Abitibi-Consolidated • Tembec Industries Pulp • BC Hydro • Toronto Hydro • Manitoba Hydro • SaskPower • Enbridge • Union Gas • Gaz Metro