

**CEE Industrial Program Planning Committee
Energy Management Subcommittee**

Draft Summary of 10 CEE Member Energy Management Programs

Xcel Energy	Xcel's Process Efficiency Program was launched in 2007. Xcel qualifies plants for this program by providing a walk-thru energy audit and an Envinta One-2-Five energy management assessment session. To qualify, plants must have a minimum of 2 GWh or 8,000 mcf of conservation potential. Xcel offers a three-phase process to help qualifying customers integrate energy efficiency into their manufacturing processes and a management system. A corporate mandate must be put in place to help ensure that identified savings targets will be achieved. For additional information, see http://www.xcelenergy.com/XLWEB/CDA/0,3080,1-1-3_4530_39021_37977-33326-5_538_969-0,00.html
Ontario Power Authority	OPA is in the process of rolling out its Industrial Energy Efficiency Program. Program objectives include supporting the continual and positive evolution of energy management in Ontario's industrial sector towards a system-oriented approach and focusing on energy performance from a systemic point of view so that it may be effectively understood and reported within organizations, through comparisons to internal and external benchmarks. Under this program OPA plans to encourage the development and implementation of energy reduction initiatives in industrial processes, the installation of electricity monitoring and targeting systems; the hiring of energy managers; and specialized training and awareness programs. Program implementation is expected to take place in three phases with recruitment and acceptance by the Program Managers of eligible applications occurring in the fourth quarter of 2008. Additional details on the program can be found on OPA's website: http://business.everykilowattcounts.com/ .
NYSERDA	NYSERDA supports continuous energy improvement through its FlexTech and Technical Assistance programs. Under these programs, NYSERDA cost-shares the expense of hiring energy consultants to provide a variety of technical assistance services for customers, including development of long term capital budget strategies for the upgrade or replacement of energy-consuming equipment. These consultants are knowledgeable of NYSERDA's industrial program offerings and make an effort to tie any recommendations and specific measures into NYSERDA's program offerings. For details, see http://www.nyserda.org/programs/Commercial_Industrial/default.asp
NEEA	The Northwest Energy Efficiency Alliance (NEEA) Industrial Initiative is currently focused on implementing Continuous Energy Improvement (CEI) within the pulp and paper, and food processing industries. NEEA has been working with about 25 companies over the past 2 years to promote energy management. The program begins by supporting an energy management assessment using Envinta One-2-Five®. Then an action plan is developed that addresses the companies' organizational structure, management structure, and training needs. The program is targeted to larger customers – food processing plants with 250 employees and pulp and paper plants (they are all large). NEEA's role has been to coach the industrial customers to establish an energy management system and set goals. The program is delivered through a suite of contractors over the two year program. As a market transformation organization, NEEA sees energy management as one program measure that has important implications for changing management attitudes and behavior toward energy. For details, see http://www.nwalliance.org/ourwork/ourwork_bysector.aspx?sector=industrial
BC Hydro	BC Hydro has been supporting continuous energy improvement among its transmission class customers since 2000. Transmission customers are those that take power supply at 69 kilovolts and higher (pulp and paper, mining, etc.) Currently there are 65 transmission class customers representing 110 sites in BC. The Energy Management Initiatives support

	customers' management function while the end-use initiatives support project identification and implementation. In April 2008, the same energy management program was launched for distribution class customers. Distribution class customers are on a flat rate. BC Hydro's Alex Adams presented the energy management to CEE's Industrial Program Planning Committee on August 23. His presentation is available upon request. Also see BC Hydro's website, http://www.bchydro.com/business/pspartner/pspartner51113.html
Nevada Power	Nevada Power is planning to add a retro-commissioning and energy management component to the IRP in 2009.
Puget Sound Energy	PSE's Resource Conservation Manager Program assists in the hiring and training of a dedicated Resource Conservation Managers whose role is to evaluate facility energy use and work with maintenance staff and other personnel to reduce the usage and subsequent costs of electricity, natural gas, water, sewage and solid waste. Cost savings of 10 to 15 percent over a three-year period are achieved through behavioral changes and do not require major investments for equipment. The program incentives include the following: 1) Start-up incentive and performance based incentives available after initial start-up, 2) Free resource accounting software and free access to Energy Interval Service, and 3) Ongoing RCM training and technical support. For details, see: www.pse.com/solutions/forbusiness/pages/efficiencyComPrograms.aspx?tab=2&chapter=1
Energy Trust of Oregon	Energy Trust is planning a two-year pilot of CEI 2009-2010 delivered through a contractor that has worked with NEEA and BC Hydro. Elaine Prause noted that while NEEA has worked with a couple food processors and pulp and paper facilities in the NW, the Trust plans to offer CEI to all market types. Program participation is limited to about 15 sites in 2009. Elaine noted that the program is focusing on identifying participating companies with the "right" culture versus the "right" market sector or size.
WI FOE	The Practical Energy Management Program (PEM) is a half-day training course developed by SAIC for Wisconsin Focus on Energy. Targeted at larger commercial and industrial businesses, PEM is designed to help companies integrate energy management into their ongoing business practices for the purpose of reducing their energy use and costs. It provides a template that users can populate with their specific information to quickly and easily establish a sound program for managing energy resources within their organization. A survey taken in 2002, found that less than five percent of Wisconsin companies have a formal energy management program. Since 2003, SAIC has worked with the Focus Program and the state's major electric and gas utilities to deliver PEM to representatives of roughly 400 organizations through 18 half-day seminars across Wisconsin. A survey of training participants indicated that more than 60 percent used PEM in developing their energy programs including tracking utility costs, forming energy teams, monitoring energy using equipment and prioritizing among energy efficiency projects. Thirty percent of survey participants completed one or more energy saving projects. For details, see http://www.focusonenergy.com/Business/Education-and-Training/Practical_Energy.aspx
PG&E	PG&E is developing a Continuous Energy Improvement (CEI) program to support strategic and integrated energy planning for PG&E's key accounts and other complex customers. CEI covers planning energy projects, including customer commitment to energy management, customer assessments, action planning (using measurable Key Performance Indicators), project implementation, recognition of achievements, and continuous re-assessment of KPI's. The program also addresses customer culture transformation including appointing energy champion and energy teams, institutionalizing training, internal energy awareness campaigns and developing methods of recognizing energy achievements.

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