DCEO Trade Ally Program

Presentation by:

John Cuttica
Director, Energy Resources Center,
University of Illinois at Chicago

Sam Rinaldi
Coordinator, DCEO Trade Ally Program
Energy Resources Center, University of Illinois at Chicago

Agnes Mrozowski
Assistant Deputy Director
Illinois Energy Office
1. DCEO Trade Ally Program Introduction
2. Illinois Energy Now Incentive Programs (Overview)
3. Illinois Energy Now Program Application Process
What Are DCEO Trade Allies?

**Partners** that work to bring Illinois Energy Now Incentives Programs to DCEO Customers:

- Public Sector
- &
- Low Income
Public Sector

- Local Governments
- Public Schools (K–12)
- Community Colleges
- Public Universities
- State Facilities
- Federal Facilities
Low Income Residential Sector

- Affordable Housing
- Public Housing Authorities
- Implementation Agencies
Why Develop a DCEO Trade Ally Program?
Opportunity for DCEO to:

- Develop Program Partnerships
- Provide Training on Program Implementation
- Provide Program Support/Guidance
- Recognize Partner Impact on Program
- Provide Link Between Illinois Energy Now Program & Customers
Opportunity for Trade Allies to:

- Work Closely with DCEO Staff & Engineers
- Utilize Illinois Energy Now Program as a Sales Tool
- Increase Business
- Provide Feedback to DCEO on What you Need and Want in the Program
Who Should Become a DCEO Trade Ally?

- Contractors
- Consultants
- Engineers
- Architects
- Energy Advocates
- Providers of Energy Saving Products
- Others
DCEO Trade Ally Program

- Dedicated Trade Ally Section on Website [www.illinoisenergy.org](http://www.illinoisenergy.org)
- On Line List of Trade Allies
- Up-dates on IEN Programs Specific to your Business
- Access to Free Training Webinars
- Help-line by E mail or Phone
- Weekly Personalized Assistance
- Trade Ally Rallies Throughout the State
- Recognition Awards for Outstanding Participation
Program Incentives lower up-front costs for your customers.

Customers looking for industry professionals can find your business listed on the Trade Ally website.

Networking opportunities with DCEO Account Managers and other Trade Allies.

Access to program marketing materials that help you sell energy efficient products and services.
Requirements

- Submit Trade Ally Application
- Attend a basic training course
- Complete at least one DCEO incentive project per year
First Step: Fill Out Application

- Contact Information
- Type of Business
- Services & Products
- Service Territory

An Application Form will be e-mailed to all attendees following the webinar and will be available online at www.illinoisenergy.org
Your email address will be your username
DCEO Trade Ally Program

Please fill in the form below to sign up for access to the DCEO Trade Ally Program registration system. All fields are required. You must provide a valid email address. Password must be between 6 and 12 characters.

Sign Up

Company Name *
Email Address *
Password *
Confirm Password *

Submit
DCEO Trade Ally Program Registration Form

**Company Info**

- **Company Name**: draniko
- **CEO First Name**
- **CEO Last Name**
- **Street Address**
- **Address Line 2**
- **City**
- **State**: IL Illinois
- **Zip Code**
- **Web Site**
- **Fax Number**: - - ext [Field]
Alternative Contact Info

First Name
Last Name
E-mail Address
Position
Phone Number

Target Customer Sector Serviced (check all that apply) *
- Public (Government)
- Private (Commercial and Residential)
- Low Income

Business Type (must select at least one)**
- Contractor
- Management
- Wholesaler
- Manufacturer's Representative
- Consultant (Engineering)
- Architecture
- Energy Audits
- ESCO (Energy Services Company) Services
- Recycling
- New Construction
- Other
Contact Information

Sam Rinaldi
Coordinator, DCEO Trade Ally Program

312–996–2554
samr@uic.edu
Energy Efficiency Portfolio Standard
Illinois Energy Now

What is Illinois Energy Now?

In 2007, legislation amended the Illinois Public Utilities Act and required that the State’s largest utility providers and the Department of Commerce & Economic Opportunity (DCEO) develop a portfolio of electric energy efficiency programs to meet legislative goals that reduces energy demand.

In 2009, legislation was passed to include natural gas energy efficiency programs to meet legislative reduction goals.

Illinois Energy Now is the Department of Commerce & Economic Opportunity’s program that is designed to administer the electric and natural gas rebates for public sector customers.
Program Structure

ComEd
Ameren

Electric Efficiency

DCEO

Electric Efficiency
Gas Efficiency

Private Sector Businesses Residential Non-profits

Public Sector Governments K-12 schools Community colleges Public universities

Low-income residential sector Affordable housing PHAs Implementation agencies

Nicor Integrys Ameren

Gas Efficiency

Private Sector Businesses Residential Non-profits
Illinois Energy Now
Program Structure

DCEO Public Sector

- Local governments
  - Municipalities
  - Townships & County facilities
- Special units of local government
  - Library & Park districts
  - Public safety
  - Water reclamation districts
- State and federal agencies
- Public Schools
  - K-12 Public Schools
  - Public community colleges
  - Public universities

Electric & Gas Utilities

- Privately owned businesses
- Privately owned industrial & commercial facilities
- Private Schools
  - Private K-12 schools
  - Private colleges
  - Private universities
- Not-for-profit
  - Museums
  - Foundations
  - Trade Organizations
- Residential
### Illinois Energy Now Estimated Budget

<table>
<thead>
<tr>
<th>Year</th>
<th>Electric</th>
<th>Natural Gas</th>
</tr>
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<tbody>
<tr>
<td>2011</td>
<td>$54 million</td>
<td>$15 million</td>
</tr>
<tr>
<td>2012</td>
<td>$55 million</td>
<td>$22 million</td>
</tr>
<tr>
<td>2013</td>
<td>$55 million</td>
<td>$30 million</td>
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</table>
### 2011-2012 Program Year PSEE Standard and Custom Estimated Funding Available

<table>
<thead>
<tr>
<th>Funding Level</th>
<th>Ameren Electric</th>
<th>ComEd</th>
<th>Ameren Natural Gas</th>
<th>Nicor</th>
<th>Peoples</th>
<th>Northshore</th>
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</thead>
<tbody>
<tr>
<td>Year 4 Budget</td>
<td>$7.7 M</td>
<td>$20.2 M</td>
<td>$2.0 M</td>
<td>$4.4 M</td>
<td>$1.2 M</td>
<td>$271 K</td>
</tr>
</tbody>
</table>

Year 4 funds are available for projects completed 6/1/11 – 5/15/12.
Illinois Energy Now
Who has Received Electric Incentives?

- Local Govt.: 49%
- k-12 Schools: 23%
- University: 16%
- Community College: 5%
- State: 6%
- Federal: 1%
• Standard and Custom lighting projects are the most common project types.
Integrated Natural Gas and Electric Efficiency Programs
Eligibility and Funding Availability
www.illinoisenergy.org


Please Check here for Funding Availability before proceeding with Application for Illinois Energy Now Public Sector Standard and Custom Incentive Programs.

Table 1. Funding Availability June 1, 2011

<table>
<thead>
<tr>
<th>ELECTRIC</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Ameren</td>
<td>Yes</td>
</tr>
<tr>
<td>ComEd</td>
<td>Yes</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>NATURAL GAS</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Ameren</td>
<td>Yes</td>
</tr>
<tr>
<td>Nicor</td>
<td>Yes</td>
</tr>
<tr>
<td>North Shore</td>
<td>Yes</td>
</tr>
<tr>
<td>Peoples</td>
<td>Yes</td>
</tr>
</tbody>
</table>
ILLINOIS ENERGY NOW
Standard Program

“Off the Shelf” Equipment for items such as:

Electricity
- Lighting Equipment
- HVAC Equipment
- Refrigeration Equipment
- Motors and Drives
- LED traffic signals
- Kitchen/refrigeration equipment

Natural Gas
- Gas Furnaces
  - Water Heaters ≥50 gallon (Tanked & Tankless)
  - Boilers
  - Condensing Boiler
- Kitchen steam cookers
- Low Flow spray valves
Increased incentives for electric air conditioning equipment

New incentives added for:

- Natural gas furnaces and boilers
- Ground Source Heat Pumps (GSHP)
  - Baseline all electric
  - Baseline electric HVAC and natural gas heating
  - Baseline existing GSHP ≤ 13 EER
- Natural gas water heaters
  - Tanked
  - Tankless
  - Condensing
For those electric and/or natural gas efficiency measures not listed in Standard Incentive Program:

- Electric Custom Incentive = $0.12 per annual kWh savings
- Exterior LED or Induction Lighting Incentive = $0.30 per annual kWh savings
- Natural Gas Custom Incentive = $1.25 per annual therms savings
- Simple payback must be 1 to 7 years
Illinois Energy Now
New Construction Program

- Encourages applicants to design new or rehabbed buildings to achieve the greatest level of energy efficiency
- Offers $0.08/kWh and $0.80/therm incentives for facility design improvements *beyond code*
- Design Bonus offered for LEED buildings
- Estimated electricity savings must be documented by energy modeling and/or supporting calculations
Illinois Energy Now
Retro-Commissioning Program

- Helps identify and implement low cost tune-ups and adjustments to existing building operating systems
- Focus on HVAC and building control systems
- Administered by Smart Energy Design Assistance Center (SEDAC)
- Year 3 provided funding for ~16 projects
- Not end-of-life
Township High School District 214

Existing T-8 fluorescent fixtures reconfigured to remove lamps and re-lamped 32W T-8 lamps to reduced wattage 25W T-8 lamps. Replaced existing incandescent lamps with CFL’s. Installed occupancy sensors.

- Total project cost: $160,000
- Illinois Energy Now Incentive: $90,000
- Total Cost to School: $70,000

Estimated energy saved – 913,416 kWh per year, Estimated annual savings $75,000 – payback 1 year

Calculated during year 2 of the Illinois Energy Now program
When you Apply, Remember the Two E’s:
Use the *Excel* version of the application and *Email*.
illinois.energy@illinois.gov
Step 1: Submit a Pre-approval Application
  o Click the Pre-Approval check box on application
  o Complete the appropriate worksheet
  o Requires customer signature

Step 2: Receive Notice to Proceed from DCEO

Step 3: Install Equipment or Perform Project Work
  o Maintain documentation

Step 4: Submit a Final Application
  o Click the Final check box on application
  o Submit all required supporting documentation
  o Requires customer signature

Step 5: DCEO Processes Rebate or Grant
Public Sector Natural Gas Boiler Tune-Up Special Offering
Illinois Energy Now
Natural Gas Boiler Tune-Up Special

- Provides cash incentives to encourage owners of natural gas boilers (> 200,000 Btuh) to invest in a boiler tune-up by a qualified contractor

- Encourages contractors to identify further energy saving opportunities with the boiler system (steam trap and pipe insulation repair)

Heat Source MUST be Natural Gas
Illinois Energy Now
Natural Gas Boiler Tune-Up Special

Boiler Tune-Ups
- Boiler size >200,000 Btuh
- High/Low ($300) or Fully Modulating ($600)
- No previous tune-up within last 12 months

Steam traps
- For traps that are leaking steam (failed “open”)
- Detection required (thermal, ultrasound or visual)
- $60 per individual steam trap
- NEW! Higher incentives for High Pressure steam systems coming soon! (up to $300/steam trap)
Illinois Energy Now
Natural Gas Boiler Tune-Up Special

Contact
Stefano Galiasso
(312) 996–8646
boiler@uic.edu
DCEO Technical Assistance
Training & Education Programs
Partners: U of Illinois, SEDAC Design Assistance Experts and Energy Service Providers

Assist public sector/private building owners to identify opportunities to save energy and money

Provide energy audits, analysis and design assistance including:
- Design review and/or site inspection
- Computer modeling of base case and alternatives with ECMs
- Energy savings analysis
- Life cycle cost analysis
- Final report with recommendations

Retro-Commissioning

www.sedac.org
Building Industry Training & Education

Programs to train students and the building industry as well as to enhance the capacity of efficiency service providers, in order to meet long-term Program goals and includes:

1. Commercial & residential green building practices
2. Building code and beyond code training
4. Illinois Home Performance with Energy Star
5. Trade Ally Network support and training
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<tr>
<td><a href="http://www.illinoisenergy.org">www.illinoisenergy.org</a></td>
<td>DCEO Energy Programs: guidelines, RFPs, contacts, applications, and other resources</td>
</tr>
<tr>
<td><a href="http://www.ComEd.com">www.ComEd.com</a></td>
<td>ComEd Smart Ideas Business Solutions Programs</td>
</tr>
<tr>
<td><a href="http://www.nicorgasrebates.com">www.nicorgasrebates.com</a></td>
<td>Nicor Business Programs</td>
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<tr>
<td><a href="http://www.peoplesenergy.com">www.peoplesenergy.com</a></td>
<td>Peoples Energy Efficiency Business Programs</td>
</tr>
<tr>
<td><a href="http://www.northshoregas.com">www.northshoregas.com</a></td>
<td>Northshore Energy Efficiency Business Programs</td>
</tr>
<tr>
<td><a href="http://www.illinoiscleanenergy.org">www.illinoiscleanenergy.org</a></td>
<td>IL Clean Energy Community Foundation</td>
</tr>
<tr>
<td><a href="http://www.sedac.org">www.sedac.org</a></td>
<td>Smart Energy Design Center</td>
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Public Sector Program Contacts

- Trade Ally Program: Sam Rinaldi, 312.996.2554 samr@uic.edu
- New Applications: Sally Agnew, 217.785.5081 sally.agnew@illinois.gov
- Local Government: Andrea Reiff, 217.785.0164 andrea.reiff@illinois.gov
- Public Schools & Community Colleges: Byron Lloyd, 217.785.3412, byron.lloyd@illinois.gov
- State and Federal: Johnny Habibi, 217.785.2772 johnny.habibi@illinois.gov
- Public Universities, Retro-commissioning & New Construction: Tom Coe, 217.785.2433 tom.coe@illinois.gov
- Low Income: Don Falls, 217.785.1997 don.falls@illinois.gov
Contact Information

Agnes Mrozowski
Assistant Deputy Director
Illinois Energy Office
217-524-0933
agnes.mrozowski@illinois.gov

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