“SHOW ME THE MONEY”

GRANTS, REBATES AND RESOURCES FOR YOUR CAMPUS ENERGY EFFICIENCY AND SUSTAINABILITY INITIATIVES

Ed Choklek – FGM Architects (& IL DCEO Trade Ally)
Illinois Energy Now and SEDAC Programs

Illinois Clean Energy Community Foundation (ICECF) Grant and Incentive Programs

Specialized Grant/Incentive/Rebate Programs

NO Cost Next Steps to Take Back on Campus
Total Pool of Grants/Rebates Available - $77M

Standard & Custom Incentive Programs - $300K
New Construction Program (>15,000 SF) - $300K
Boiler System Efficiency Program - $125K
Energy Assessments and Retro-Commissioning
Savings Through Efficient Products STEP Program
## Utility Service Areas

- **Electric Utilities**
  - Ameren Illinois
  - ComEd

- **Gas Utilities**
  - Ameren Illinois
  - Nicor
  - North Shore
  - Peoples

## Public Sector

- All Government Agencies
- Public Schools
- Community Colleges
- Public Universities
- Some Non-Profit Organizations
STANDARD & CUSTOM INCENTIVE PROGRAM
GRANT/REBATE OVERVIEW
IL DCEO Energy & Recycling Office
PUBLIC SECTOR
STANDARD & CUSTOM REBATES

Standard Measures
- Lighting (In and Out)
- HVAC Systems
- Kitchen Equipment
- Other Equipment
  - HVAC VSD
  - NG Water Heaters
  - Showerheads
  - Compressed Air
  - LED Traffic Signals

Custom Measures
- Electric & Gas measures not listed as Standard and that show 1-7 year payback
- Non-HVAC VSD
- Geothermal Installations
  - $0.12 per kWh saved
  - $3.00 per Therm saved

Maximum rebate of 75% of total project cost + bonuses
**WARNING POTENTIAL CHANGES IN FUTURE PROGRAM YEARS**

- **T-12s:** Standard Rebate for all T-12 retrofit and new fixture replacements will be significantly reduced, due to implemented federal energy efficiency standards.

- **LEDs:** Exterior LED and induction lighting rebate will likely decrease from current rate of $0.30 per kWh saved to $0.20 per kWh saved due to market acceptance.

- **Natural Gas:** Custom Rebate rate may be reduced to $2.00 per therm saved due to stable commodity costs.
Illinois Energy Now is an ongoing program funded through 2017 that runs from June 1 to May 31.

Funding is on a first-come, first-served basis and certain programs do sell out each grant cycle.

**April 1, 2015** – Deadline for submitting this grant cycle’s new Pre-Approval Applications.

**May 8, 2015** – Deadline for completing projects and submitting Final Applications for this grant cycle.
SWEET DEAL AND PARTNER BONUSES

10% Sweet Deal Bonus for projects and Final Applications completed by Halloween (10/31/14)

5% Sweet Deal Bonus for projects and Final Applications completed by Valentine’s Day (2/14/15)

15% Partner Bonus for participating in a Partner Program energy assessment or an IEN event
NEW CONSTRUCTION PROGRAM HIGHLIGHTS
There is **NO** requirement for LEED Certification. Incentives either performance based or prescriptive. Performance based on energy modeling analysis ($0.08/kWh and $2.00/therm up to $300K). Prescriptive based on exceeding code requirements (lighting, envelope, mechanical systems, water heating, & kitchen equipment up to $2.50/SF). Extra bonus ($100K) for beyond code performance.
BOILER SYSTEM EFFICIENCY PROGRAM

(FORMERLY THE BOILER TUNE-UP PROGRAM)
Encourages investments in steam boiler systems. Maximum incentive is $125K ($1500 for Tune-Ups)

Natural Gas Boiler Tune-Ups
Steam Trap Repair and Replacement
Pipe Insulation (Existing Pipes Only)
Boiler Controls and Retrofits
SAVINGS THROUGH EFFICIENT PRODUCTS (STEP) PROGRAM
## SAVINGS THROUGH EFFICIENT PRODUCTS (STEP) PROGRAM

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<th>GOALS</th>
<th>Reduce energy and costs for public facilities</th>
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<td>• Free energy assessment</td>
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<td>• Free plug-and-play products provided</td>
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<td>• Install products</td>
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<td>• Receive savings report with more opportunities</td>
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STEP OVERVIEW

STEP provides plug-and-play energy-saving products at no cost to eligible public facilities.

Products available include:
- LED Exit Signs
- Screw-in Outdoor LEDs
- Compact Florescent Lamps
- Occupancy Sensors
- Vending Machine Controls
- Faucet Aerators
- Green Nozzles
- Low-flow Showerheads
STEP 1: QUALIFY AND SIGN UP

To join the STEP 2014 - 2015 waitlist.

Visit:  
www.lights4learning.org/step

Email:  
step@mwalliance.org

Call:  
(312) 374-0928
STEP 2: WALKTHROUGH

Guide STEP engineer on a facility walkthrough

✓ Walkthroughs last approximately 1 hour

✓ Confirm types, locations, and number of energy-saving products to ship
STEP 3: INSTALL PRODUCTS

- After products arrive, confirm correct product counts within 2 weeks
- Install all products within 3 months
- Return any unused products via provided return slip
**STEP 4: VERIFY INSTALLATION**

- Take photos of installed products
- Complete *Installation Verification Form*
- Send photos and form within 1 month of installation deadline
RETRO-COMMISSIONING, ENERGY ASSESSMENTS, AND TECHNICAL SUPPORT

SEDAC UIUC
FREE technical services to Illinois entities planning energy efficiency and/or building improvements:

Energy Assistance and Assessments
- Phone help, Anytime!
- <15,000 sf - phone assistance
- 15,000-20,000 sf - depends on Energy Use Intensity
- >20,000 sf - assessment level varies depending on need

New Construction Design Assistance

Retro-Commissioning (Public Sector)
- Full RCx - >150,000 or very high energy user, <=10 y.o.
- Mini RCx – smaller, quick look at controls
- Dashboards – RCx clients who want to track energy use

Presentations/Training Workshops

Newsletters and Publications
ENERGY ASSESSMENT IMPACT

• Conducted over 1,500 energy assessments.
• Inspected over 158 million square feet.
• Identified over $54 million in annual savings, with over $12 million recommendations implemented.
• Typically identify 10-40% annual cost savings.
• Half of recommended energy efficiency measures have a simple payback of < 3 years.
RETRO-COMMISSIONING IMPACT

• Results in longer equipment life, lower utility bills and lower maintenance costs (Building Automation Systems)

• The majority of recommended/implemented measures have a quick payback, usually 18 months or less

• Implementation results in a typical annual energy use reduction of 16% or more + reduced operations costs

• SEDAC has provided RCx analyses for over 100 facilities, totaling 40 million square feet and identified over $9.9 million per year in savings
The Mini-RCx program provides additional services for public sector facilities that are not eligible for the traditional retro-commissioning program. This program identifies your readily-achievable savings opportunities through a quick review of energy use and building control system settings.

- Public facilities <150,000 sf
- HVAC system settings, schedules, set points
- Focus on quick implementation
ICECF ENERGY GRANT PROGRAMS

• Completely separate funding from IL DCEO Programs
  You can “double-dip” & “stack” these awards/incentives

• All programs have application deadlines set late in the year for the following year (except – Green Buildings)

• Energy Efficiency Grants (Adjusted Yearly)

• Green Buildings Grants (LEED Silver or better)

• Existing Building Energy Efficiency Grants (Limited)

• Renewable Energy Grants (Solar and Wind)

• Natural Areas Preservation Grants (Unique Focus)
SPECIALIZED GRANT PROGRAMS

• IL EPA – Illinois Green Infrastructure Grant Program for Stormwater Management (Small Projects Category)
• IL EPA – Nonpoint Source Water Pollution Grants
• IL DCEO – Electric Vehicle Charging Stations
• IL DCEO – Recycling and Food Scrap Composting
• IEMA – School Security Grant Program (New in 2014)
• US DOE – Emergency Management for H.E. Grants
• Chevrolet Clean Energy Campus Campaign (IGEN?)
Register and sign up for the STEP Program
Sign up for SEDAC’s monthly newsletter
Discuss whether an RCx study makes sense
Attend upcoming IEN workshops and Trade Ally Rallies in October, November and December
Provide copies of your handouts to campus facilities, sustainability and grant professionals
Schedule a visit from Ed C. or Ann T. to further discuss anything covered today in more detail