



MEEA
Midwest Energy Efficiency Alliance

LEVERAGING RESOURCES TO FORTIFY PILLAR I

USGBC Healthy and High Performing
Schools Symposium

Friday, April 8, 2016

Introductions



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Midwest Energy Efficiency Alliance (MEEA)

- ❖ MEEA is a nonprofit membership organization with 150+ members, including:
 - Electric and Gas Utilities
 - State and local governments
 - Manufacturers and retailers
 - Academic and research institutions
 - Energy service companies and contractors
- ❖ Since 2000, MEEA has been the leading source for raising awareness and advancing sound energy efficiency policies and programs in the Midwest
- ❖ MEEA balances the diverse interests of its members and network across the public and private sectors, creating a common ground to affect positive change for energy efficiency in the Midwest.





<http://www.mwalliance.org/conference/agenda/>

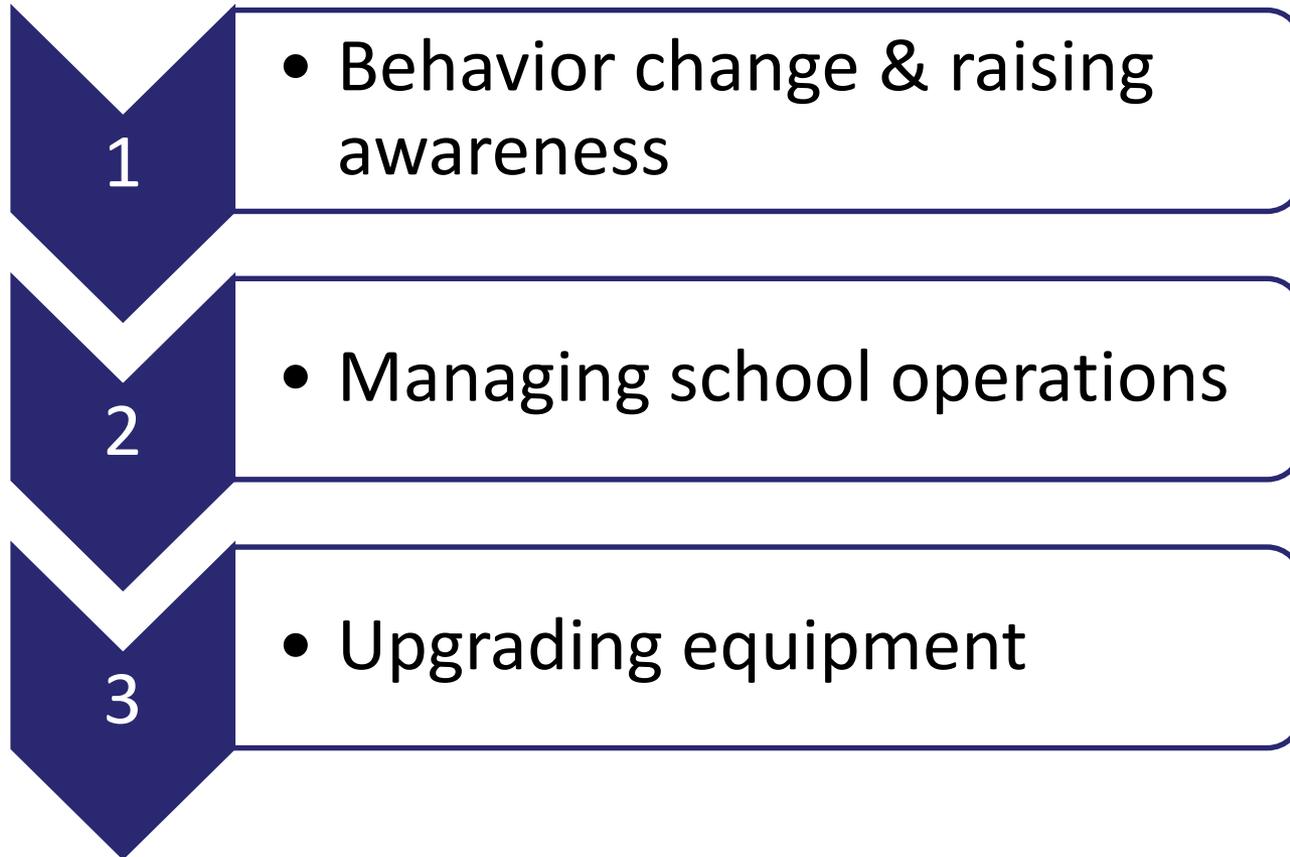
Learning Objectives

Leave the session with a better understanding of how to:

- Measure, benchmark and improve facility energy usage
- Benchmark other sustainability metrics
- Find funding for energy efficiency improvements
- Access resources to aid implementation
- Tie sustainability efforts into education

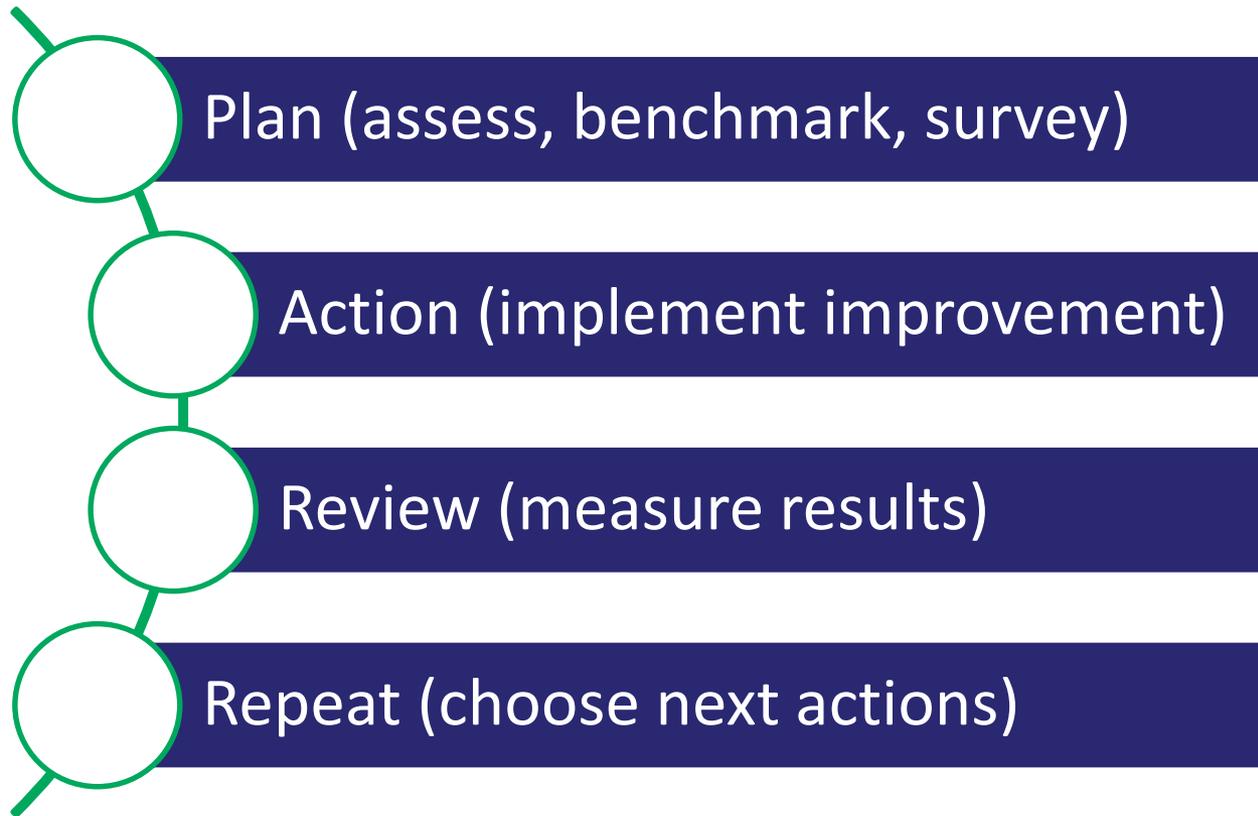
Facility Energy Use

Three Routes to EE Savings



*Adapted from [Powering Down](#)

Understanding Resource Use to Create Efficiency Cycle



*Adapted from SEDAC

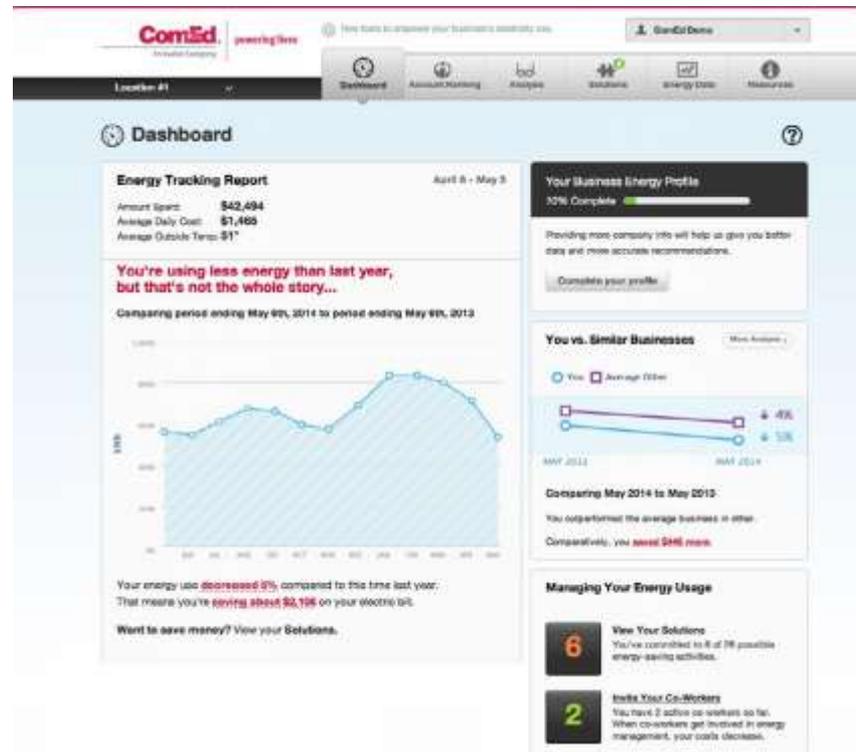
Benchmark

- Evaluate or check energy & sustainability metrics by comparison
 - Compare to property type, your buildings, past & target performance
- Review energy consumption vs. climate
 - Use your benchmarking tool
 - By hand: use at least a year of data and plot monthly energy consumption to compare heating degree days & cooling & look for anomalies*
 - www.degreedays.net/
- Free tools

*from SEDAC

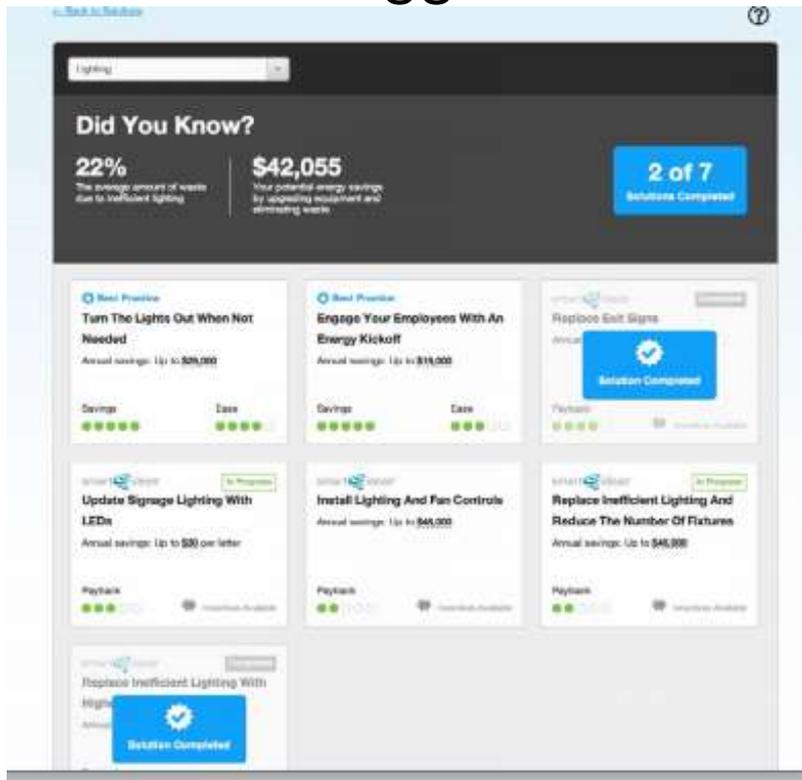
ComEd Business Energy Analyzer (BEA)

- Your actual energy usage data
- BEA pinpoints high use periods
- Suggests efficiency solutions
- Compare to your previous years or to others
- Need Smart Meter



ComEd Business Energy Analyzer (BEA)

Low Cost Suggestions



Benchmark Analysis



EPA Portfolio Manager

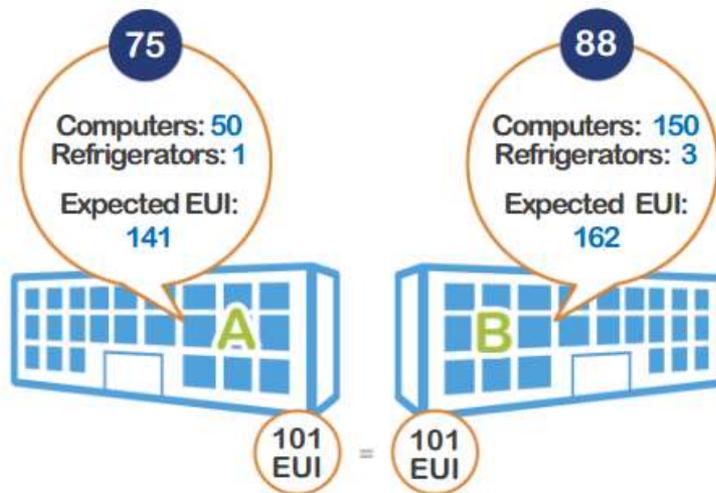
- Energy performance
- Water efficiency
- Carbon emissions
- Minimal upkeep, can connect to utility
- Gives Energy Use Intensity (EUI) score
- Compare to property type, your portfolio, past & target performance, [The Sustainable Buildings Checklist](#)



[Get started](#)

Portfolio Manager Data Trends: Energy Use in K-12 Schools

- Short report based on Portfolio Manager data across the country.



← Range of Values →

Property Characteristic	5th percentile	Median	95th percentile
Square Feet	23,211	74,519	284,599
Computers per 1,000 ft ²	0.7	2.1	5.2
Walk-in Refrigeration Units per 1,000 ft ²	0.00	0.01	0.04
Cooking Facilities?		79% say yes	
High School?		19% say yes	
Heating Degree Days	1,021	4,710	7,650
Cooling Degree Days	227	1,108	3,432

Benchmarking to Audit

- When reviewing utility information consider (leading to audit):
 - Current building operation
 - Energy end uses
 - Overall performance

Audit Energy Use

- Review current building use through benchmarking work
- Energy Audit
 - Internal: End-use estimates can be based on the following:
 - Detailed measurements over time
 - Spot measurements with est. of run times on an annual basis
 - Detailed calculation or hourly simulations based on building drawings and specifications (calibrated model)
 - Assumption of typical end-use densities ([CBECS](#), etc.)
 - [ENERGY STAR Treasure Hunt Guide: Simple Steps to Finding Energy Savings](#): two- to three-day event that engages employees in identifying low-cost energy savings opportunities from behavioral, operational, and maintenance actions
 - Trade Ally
 - Free or low-cost audit through The Department
 - May provide roadmap

*from SEDAC

Building Systems: Remember 3 Parts

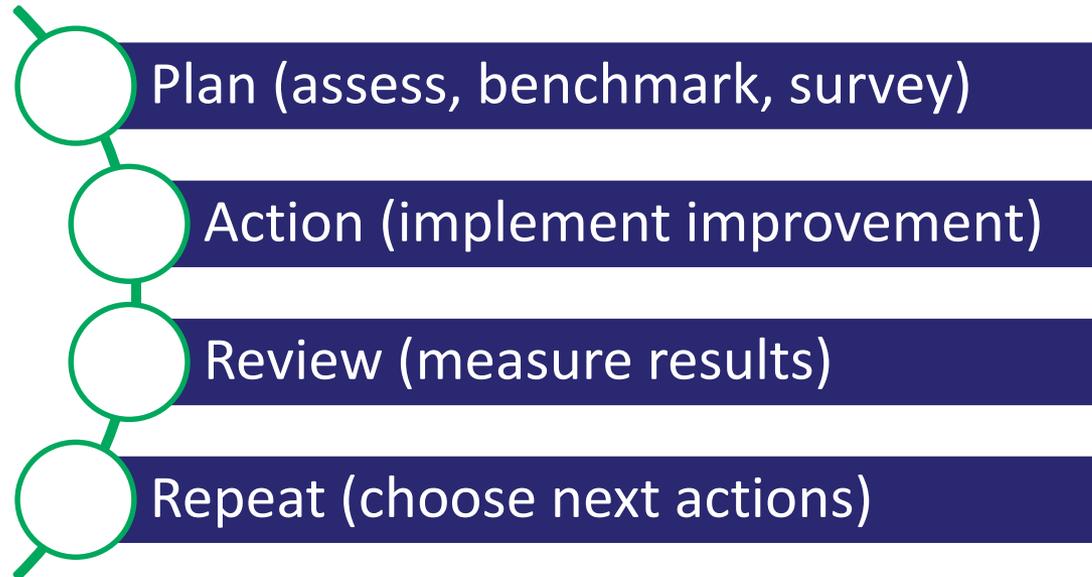
- Energized system
- Non-energized system
- Human system

ComEd Energy Insights Online

- [Energy Insights Online](#) monitors your electricity consumption via special recording meters and converts this data into simple, easy-to-understand usage graphs and reports that you can access online.
- Enhance energy data access & visibility with Green Button Connect My Data (GBC).

Determine Next Steps

- Create roadmap to guide your efficiency cycle



Efficiency Roadmap

- Consider:
 - Timing during the year
 - Financial analysis (tools on following slide)
 - Energy cost breakdown can provide some guidance
 - Focus on areas that show the most promise first (spend on natural gas vs. electric, large power draws show by software, metering or age/condition of equipment)
 - Balance with no cost/ low cost solutions
 - How to communicate to your business team
 - [DOE resources](#)
- Resources:
 - USGBC Green Schools [Roadmap to a Green Campus Guide](#)

Tools to Determine Next Steps

- [SEDAC's Economics Calculator](#)
-->
- [DOE Cash Flow Opportunity Calculator](#)
 - How much new energy efficiency equipment can be purchased from the anticipated savings?
 - Should this equipment purchase be financed now or is it better to wait and use cash from a future budget? (avoid paying interest)
 - Will we lose money by waiting for a lower interest rate?
- SEDAC Audit to rank opportunities

The image shows a web-based calculator interface titled "Energy Project Economics Calculator". It features a table of input and output fields. The input fields, marked as "Required Fields", include: First Cost (\$), Annual Savings (\$/year), Discount Rate (%), Life of Measure (years), Financing Interest Rate (%), and Loan Period (years). Below these are "Calculate" and "Reset" buttons. The output fields, which are highlighted in green, include: Simple Pay Back (years), Internal Rate of Return (%), and Net Present Value (\$). All fields are currently empty.

Energy Project Economics Calculator	
* Required Fields	
First Cost (\$)*	<input type="text"/>
Annual Savings (\$/year)*	<input type="text"/>
Discount Rate (%)*	<input type="text"/>
Life of Measure (years)*	<input type="text"/>
Financing Interest Rate (%)	<input type="text"/>
Loan Period (years)	<input type="text"/>
<input type="button" value="Calculate"/> <input type="button" value="Reset"/>	
Simple Pay Back (years)	<input type="text"/>
Internal Rate of Return (%)	<input type="text"/>
Net Present Value (\$)	<input type="text"/>

Free & Low-Cost Options

No-Cost Energy Cost Reduction Measures (ENERGY STAR®)

- Adjust thermostats when space is unoccupied.
- Turn off lights when rooms are not occupied.
- Take advantage of winter daylight by leaving window blinds open.
- Disconnect unnecessary or unused equipment.

Low-Cost Energy Cost Reduction Measures

- Install programmable thermostats.
- Install occupancy sensors.
- Replace incandescent light bulbs with LEDs or CFLs.
- Install awnings, window shades, or window films to keep out the summer sun and lower air-conditioning costs.
- Purchase ENERGY STAR office equipment that you can take with you if you move to another location.
- Caulk and weather-strip windows and doors.
- Fix leaky faucets and toilets to conserve water.

Sustainability Metrics

Thinking more efficiently: Knowing your metrics can help you make informed decisions and tell your efficiency story!

Water

- Back to [Portfolio Manager](#)
- Colorado Waterwise [Water Conservation Assessment Toolkit](#)
- [Learning Gate Community School](#) case study & water conservation toolkit

Waste & Recycling

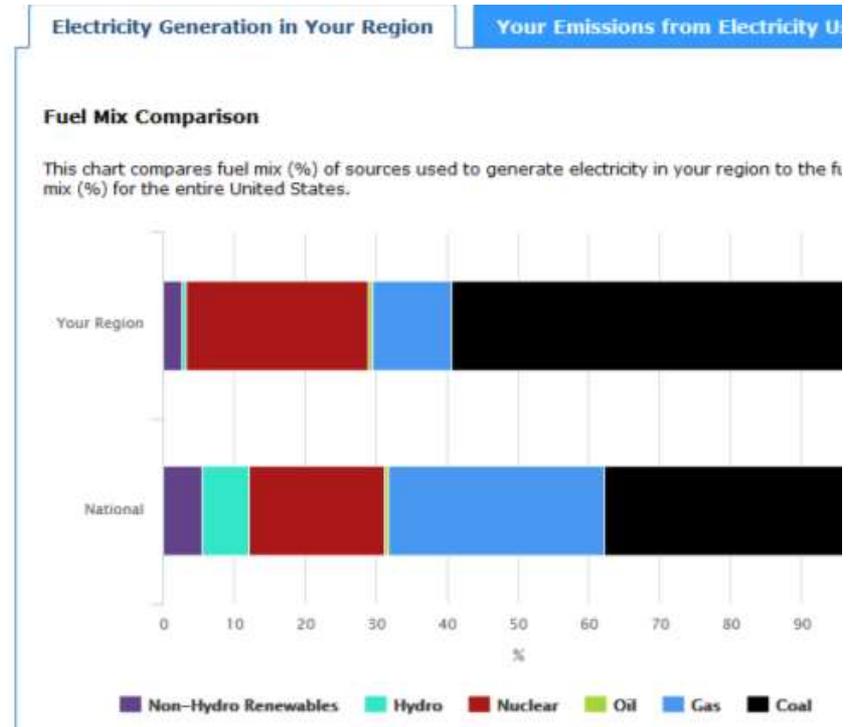
- EPA - Waste Reduction Model (WARM) → Waste Reduction Model (WARM) to help solid waste planners and organizations track and voluntarily report greenhouse gas (GHG) emissions reductions from several different waste management practices
- The [Food Waste Management Calculator](#) estimates the cost competitiveness of alternatives to food waste disposal, including source reduction, donation, composting, & recycling of yellow grease.
- EPA – [Food Recovery Challenge](#)
- EPA - [Food Waste Assessment Guidebook](#)
- [EPA - Food and Packaging Waste Prevention Tool](#) automatically creates graphs & data summaries to identify patterns of waste (2 wks min., .xls/m which is an Excel format with Macros enabled.)

Steps 1 and 2. Baseline and Alternative Scenarios

Material	Baseline Scenario				Tons Generated
	Tons Recycled	Tons Landfilled	Tons Combusted	Tons Composted	
Aluminum Cans	<input type="text"/>	<input type="text"/>	<input type="text"/>	N/A	0
Aluminum Ingot	<input type="text"/>	<input type="text"/>	<input type="text"/>	N/A	0
Steel Cans	<input type="text"/>	<input type="text"/>	<input type="text"/>	N/A	0
Copper Wire	<input type="text"/>	<input type="text"/>	<input type="text"/>	N/A	0
Glass	<input type="text"/>	<input type="text"/>	<input type="text"/>	N/A	0
HDPE	<input type="text"/>	<input type="text"/>	<input type="text"/>	N/A	0
LDPE	N/A	<input type="text"/>	<input type="text"/>	N/A	0
PET	<input type="text"/>	<input type="text"/>	<input type="text"/>	N/A	0
LLDPE	N/A	<input type="text"/>	<input type="text"/>	N/A	0
PP	N/A	<input type="text"/>	<input type="text"/>	N/A	0
PS	N/A	<input type="text"/>	<input type="text"/>	N/A	0
PVC	N/A	<input type="text"/>	<input type="text"/>	N/A	0
PLA	N/A	<input type="text"/>	<input type="text"/>	<input type="text"/>	0
Corrugated Containers	<input type="text"/>	<input type="text"/>	<input type="text"/>	N/A	0

Carbon Footprint - Power Profiler

- [EPA Power Profiler estimates emissions from electricity use](#)
- Enter your ZIP code & electric utility to:
 - Compare the fuel mix & air emissions rates of your region's electricity
 - Determine the air emissions impacts of your electricity use



EPA - Greenhouse Gas Equivalencies Calculator



- KWh
 - Therms
 - Gallons gasoline
 - Passenger vehicles
- into

The sum of the greenhouse gas emissions you entered above is of Carbon Dioxide Equivalent. This is equivalent to:

0.69 Metric Tons

Greenhouse gas emissions from



CO₂ emissions from



Funding

State of Illinois

The Department of Commerce & Economic Opportunity's Illinois Energy Now program is a portfolio of electric and natural gas efficiency programs administered by the State that includes incentives and services to save energy.



Illinois
Department of Commerce
& Economic Opportunity
Bruce Rauner, Governor



A word from our lawyers...



- We are still awaiting confirmation about whether the following programs will be available in this or coming years.
- Please use this information as a guideline (rather than a guarantee) for what may be available in the future.

State of Illinois

Snapshot of Energy Efficiency Programs for Schools:

- Trade Allies
- Standard & Custom Incentives
- New Construction
- Retro-Commissioning
- Natural Gas Boiler System Efficiency
- Combined Heat and Power
- Data Center
- Savings Through Efficient Products

www.ilenergynow.org



State of Illinois

Trade Ally Program

- Connects schools and other public facilities with qualified contractors and suppliers (e.g., mechanical and lighting contractors, engineers, architects, energy service companies, wholesalers, distributors, and retailers) who are familiar with state incentives and programs.
- Trade allies help schools navigate the system and ensure maximum incentives.

State of Illinois

Standard Rebates

The Standard Incentive Program provides set incentive (\$/product) levels for common retrofits for:

- Lighting
- HVAC
- Variable Speed Drives
- Demand-Controlled Ventilation
- Water Heaters
- LED Traffic Signals
- Kitchen Equipment

Custom Rebates

Incentives (\$/kWh or \$/therm) for approved energy efficiency improvements not listed in the Standard Incentive Program.

- \$0.12 per kWh reduced for electric savings
- \$2.50 per therm reduced for natural gas savings.

State of Illinois

How to Apply

- Public entities can submit a Pre-Approval Application which will estimate the incentive level.
- For program guidelines, application forms and equipment specifications please download the [2015-2016 Public Sector Standard and Custom Incentive Program Guidelines and Application Forms.](#)
- This school year's applications were accepted on a rolling basis until April 1, 2016. A new year begins June 1, 2016.

State of Illinois

Retro-Commissioning

- Provides funding to identify and implement low cost tune-ups and adjustments that improve the efficiency of existing public buildings' operating systems.
- Returns them to intended operation or design specifications, with a focus on building controls and HVAC systems.
- Delivered through a network of commissioning providers that have been trained in program protocols and participation processes.

State of Illinois

Natural Gas Boiler System Efficiency

- Provides cash incentives to encourage the owners of natural gas boilers to invest in a Boiler Tune-Up conducted by a qualified contractor.
- Up to 6% efficiency gain (expected pay back: 6 months).
- Incentives include:
 - Boiler Tune-Up
 - Pipe Insulation new/repair
 - Steam Trap new/repair
 - Boiler Reset Controls
 - Parallel Positioning Control System

State of Illinois

Data Center

- Schools with server closets or data centers can receive a free engineer walk-through audit and consultation
- Receive assistance applying for custom incentives
 - \$0.12/kWh saved

State of Illinois

Savings Through Efficient Products (STEP)

- STEP offers qualified public facilities free, high quality, energy saving products.
- Participation Process
 - Schedule and participate in a free onsite facility walkthrough assessment to gather product counts
 - Install the free products shipped to your facility within three months of delivery and begin saving energy, money and maintenance time
 - Complete the Installation Verification Form detailing where products were installed
 - Discover additional incentives, rebates, programs and educational opportunities available in Illinois via a customized report

Savings Through Efficient Products (STEP)

0 year payback

FACTS

GOALS	Reduce energy use
PROCESS	Free & simple process: <ul style="list-style-type: none">• Participate in walkthrough• Free plug-and-play products provided• Install products• Receive savings report with more opportunities
TARGET	Public facilities
FUNDING	Dep't Commerce
WEB	illinoisSTEP.org

STATS

- 500+ facilities
- Provided 28,000+ products to public facilities



Step 1. Recruitment – Trade Allies



Step 1. Recruitment – Direct Mail

DCEO ILLINOIS ENERGY NOW
Savings Through Efficient Products

Hello, Mr. Jensen -

The Hines VA campus qualifies for free energy- and money-saving products through the Illinois-sponsored Savings Through Efficient Products (STEP) program. Hines has been identified as one of the possible final STEP participants for the current program year due to its location in ComEd territory; the size and number of buildings on the campus; and Hines' participation in the Illinois Energy Now Data Center Pilot. In order for Hines VA to participate in STEP, the free product order must be finalized and shipped by May 31 and the provided products must be installed by July 31, 2015.

Free products include:

- Low-flow Faucet Aerators
- Low-flow Showerheads
- Kitchen Pre-rinse Green Nozzles
- CFLs
- LED Exit Signs
- Vending Machine Controls
- Occupancy Sensors
- Outdoor Screw-in LEDs

STEP PARTICIPATION PROCESS

- 1. SCHEDULE** and participate in a facility walkthrough to gather product counts. Note: this could be a virtual walkthrough given time constraints.
- 2. INSTALL** the free products shipped to your facility and begin saving energy, money and maintenance time.
- 3. DISCOVER** additional incentives, rebates, programs and educational opportunities. Sponsored by the Illinois Department of Commerce and Economic Opportunity, Illinois Energy Now offers many other ways to save.

We will follow up with you in the next few days to find out whether Hines would like to receive free energy saving products through STEP. We hope we'll have the chance to partner with you in the coming weeks and months to find easy ways to save energy.

Best Regards,
Catherine Krasner
Catherine Krasner
step@mwalliance.org, 312.784.7259

Note: Free products are available to public facilities supplied by Ameren, ComEd, Nicor Gas, North Shore Gas and/or Peoples Gas.

1-800-214-7954 www.ilenergynow.org

DCEO ILLINOIS ENERGY NOW
Savings Through Efficient Products

Hello,

Did you know that the state-sponsored Illinois Energy Now programs are available to help Illinois public safety departments save money through energy-efficient upgrades? Since your facilities have not participated in energy efficiency incentives through the state, you currently qualify for FREE energy- and money-saving products through the Savings Through Efficient Products (STEP) program. Many Illinois police and fire stations have already participated this year; we hope you will be next!

Free products include:

- Low-flow Faucet Aerators
- Low-flow Showerheads
- Kitchen Pre-rinse Green Nozzles
- CFLs
- Vending Machine Controls
- Occupancy Sensors
- Outdoor Screw-in LEDs

STEP PARTICIPATION PROCESS

- 1. SCHEDULE** and participate in a facility walkthrough to gather product counts. *The remaining 15 walkthrough appointments are expected to fill up fast, so reach out today to take advantage of this exciting offer!*
- 2. INSTALL** the free products shipped to your facility and begin saving energy, money and maintenance time.
- 3. DISCOVER** additional incentives, rebates, programs and educational opportunities.

Sponsored by the Illinois Department of Commerce and Economic Opportunity, Illinois Energy Now offers many other ways to save. Call 1-800-214-7954 or visit www.ilenergynow.org to learn about other energy efficiency programs.

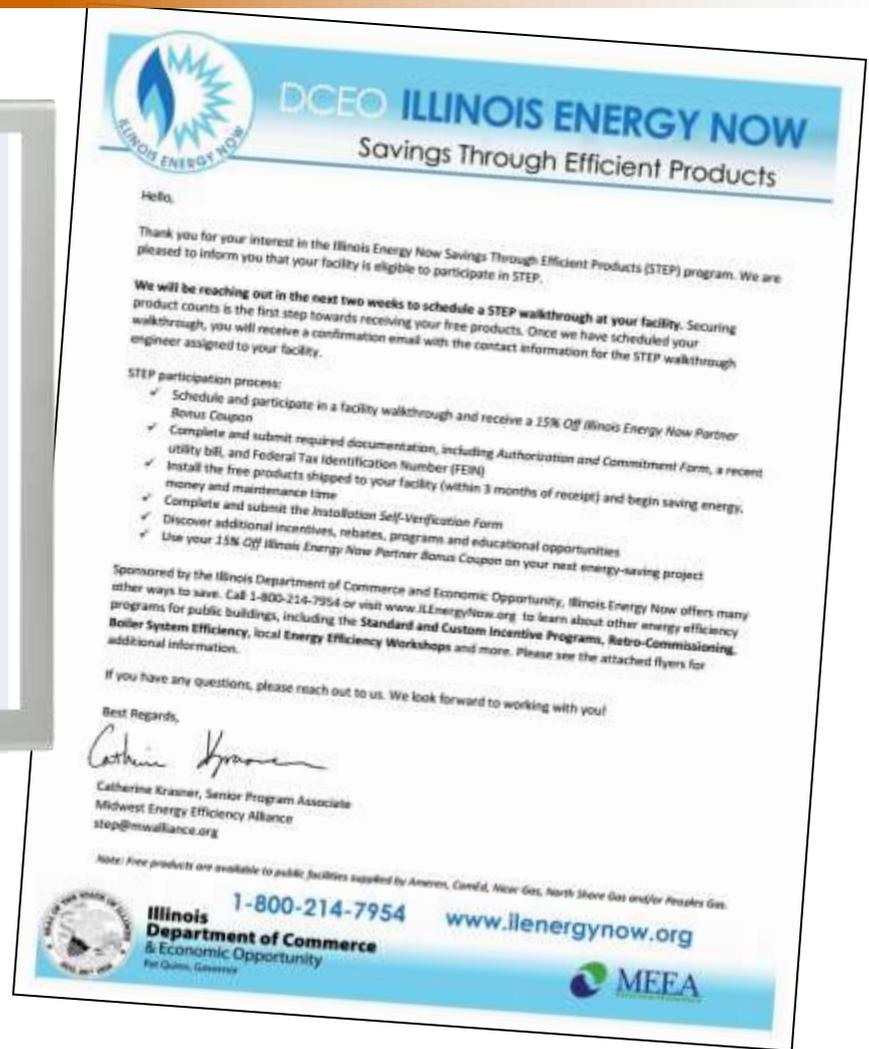
We are excited to partner with you in the coming months to find easy ways to save energy. If you have any questions or would like to schedule a walkthrough, please reach out to us!

Regards,
Catherine Krasner
Catherine Krasner
step@mwalliance.org, 312.784.7259

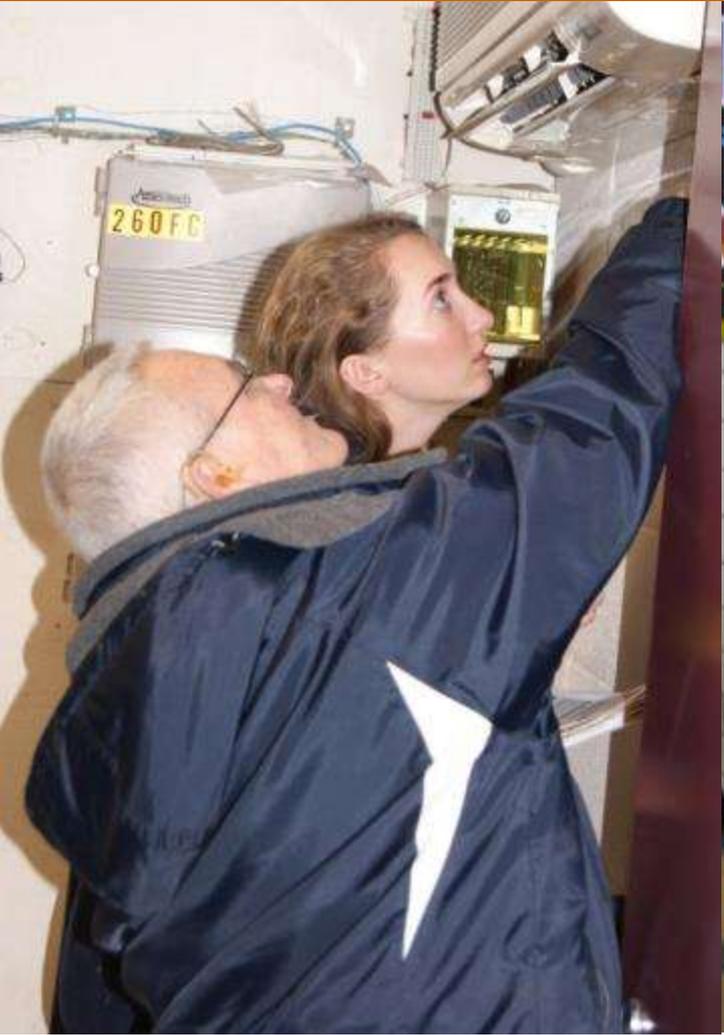
Note: Free products are available to public facilities supplied by Ameren, ComEd, Nicor Gas, North Shore Gas and/or Peoples Gas.

1-800-214-7954 www.ilenergynow.org

Step 2. Administer wait list



Step 3. Engineer-led walkthrough



Step 4. Ship products



DCEO ILLINOIS ENERGY NOW
Savings Through Efficient Products

Dear Illinois Public Facility,

Welcome to Savings Through Efficient Products! The Illinois Department of Commerce & Economic Opportunity is pleased to partner with you in the coming months to explore additional ways to enhance your facility's energy efficiency.

A STEP representative will be reaching out to you at a point in the process you have questions about. Please see the information below.

Everything you need to get started is included in the products you have received. Please refer to the instructions for the self-installation verification form. An order confirmation outlining the products you are returning any extra, incorrect, or damaged items to the Energy Efficiency Alliance (MEEA).

Timeline: Your facility will have three months to complete the installation and one month thereafter to complete the self-verification process.

Self-verification process: The self-verification process is a key component of our program. Once all received verification forms with the location of installed product to the self-verification process.

Learn more about Illinois Energy Now's programs at www.ilenergynow.org.

Best Regards,

 Catherine Krasser, Senior Program Associate
 Midwest Energy Efficiency Alliance
step@mwaalliance.org

1-800-214-7954



Illinois Department of Commerce & Economic Opportunity



DCEO ILLINOIS ENERGY NOW
Savings Through Efficient Products

STEP Product Installation Tips & Tricks

AERATORS

- Unscrew the old aerator by hand, using pliers or a wrench if necessary. Avoid damaging the delicate threads by unscrewing gently.
- If supplied, put the rubber washer inside the end of the aerator and screw it into the faucet by hand.
- Run water to test the seal. If any water leaks, tighten by hand or use pliers (note: to protect the aerator, put a cloth around it before tightening with any tools. Take care not to over-tighten the aerator).

- ✓ **PRO TIP 1:** STEP aerators are dual-threaded, which means they can fit faucets with either "female" or "male" threading. To switch from one to the other, simply remove the internal foam gasket from the aerator and screw it into place.
- ✓ **PRO TIP 2:** If the aerator does not fit, compare the faucet's diameter to a quarter and a nickel. If it matches the quarter, request the standard size. If it matches the nickel, request a junior aerator.
- ✓ **PRO TIP 3:** STEP also offers "Chicago-style" aerators. Tamper-proof Chicago aerators come with a key needed for installation; keep the key in a safe place for future needs.

COMPACT FLUORESCENT LIGHTBULBS (CFLs)

- Gently unscrew the old lightbulb by hand and dispose as appropriate.
- Install the CFL just as you would an incandescent bulb. Remove the CFL from its package and screw it into the light socket in a clockwise direction.
- If any CFLs break in the process, follow the EPA's recommended steps for safe clean-up here: <http://www2.epa.gov/cfl/cleaning-broken-cfl>.

- ✓ **PRO TIP 1:** STEP CFLs are not dimmable; do not attempt to install them in a dimmable socket.
- ✓ **PRO TIP 2:** STEP CFLs use only 13 watts each and have a similar brightness to 60-watt incandescent bulbs (approx. 900 lumens).
- ✓ **PRO TIP 3:** STEP CFLs do not perform as well in cold weather; they are recommended for indoor use only.

EXIT SIGNS

Follow the manufacturer's instructions to install new LED exit signs or retrofit kits.

- ✓ **PRO TIP 1:** New LED exit signs are customizable; the directional arrow plates can be easily removed and reinserted.
- ✓ **PRO TIP 2:** The LED retrofit kits feature an easy-to-install bar of LEDs on a circuit board; handwrite the brand to the sign (note: there are no pins involved).

Please flip the page for more tips!



1-800-214-7954 www.ilenergynow.org





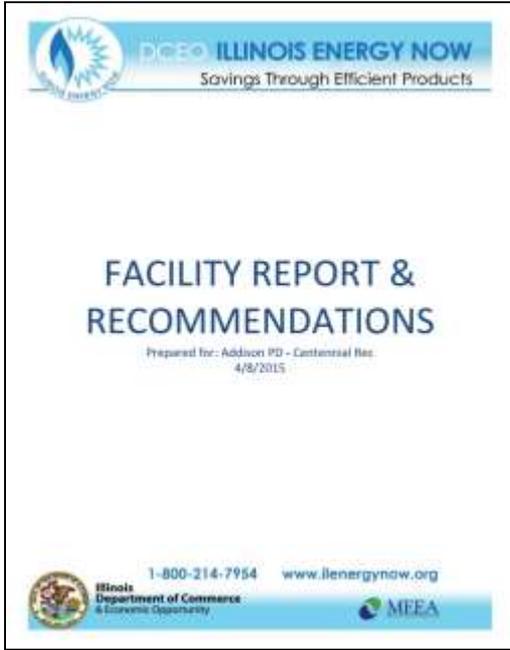
Step 5. Facility staff self-installs products



Step 6. Collect photos of installed products



Step 7. Issue facility reports & certificates



Case Study – Elementary & Middle School District

28

 facilities

District Blitz

STATS

GOALS Address incandescent exit signs & occupancy sensors in restrooms & offices

- 28 facilities
- 390,000 kWh est. annual savings
- 11,000 therms est. annual savings

ABOUT Scheduled all walkthroughs in a row

PRODUCTS 49 occupancy sensors, 370 new LED exit signs, aerators & vending machine controls



Case Study – Elementary & Middle School District



Case Study – Small School District

1 facility

Small District

STATS

GOALS Provide all qualified products to facilities

ABOUT Walkthrough of K-12 facility

PRODUCTS 25 occupancy sensors,
32 LED exit sign retrofit kits,
6 aerators &
1 vending machine control

- 1 facility
- 26,675 kWh est. annual savings
- 530 therms est. annual savings



Case Study – Small School District



www.ilenergynow.org

Other Funding Sources

Illinois Utility Programs



Other Sources of Funding & Assistance

- Illinois Clean Energy Community Foundation ([ICECF](#))
- Illinois Association of County Board Members ([IACBM](#))
 - free application assistance to Public Sector
- Metropolitan Mayors Caucus ([MMC](#))
 - direct incentives and help with purchasing.
- DSIREUSA.org
 - website listing all known energy programs by state
- Performance Contracting
 - innovative arrangement for designing, installing and financing energy improvement projects where the savings achieved by the project are guaranteed to amortize the cost of the project over the term of the agreement. [More info and help online.](#)
 - USGBC Resource: Paid-From-Savings Guide to Green Existing Buildings [Download](#)

Resources

Information Resources



Alliance to Save Energy

- PowerSave Schools ([Link](#))



EPA ENERGY STAR

- ENERGY STAR Score ([Link](#))
- K-12 Building Upgrade Manual ([Link](#))



Department of Energy

- Commercial Buildings Resource Database:
 - Financing Energy Upgrades for K-12 School Districts ([Link](#))
 - Advanced Energy Retrofit Guide for K-12 Schools ([Link](#))
 - Advanced Energy Design Guide for K-12 Schools ([Link](#))
 - Achieving 50% Energy Savings in New Schools ([Link](#))

Recognition



Green Ribbon Schools

- Each authority is permitted as many as five nominations. [Learn how to nominate online.](#)
- Criteria:
 - Reduced Environmental Impact and Costs
 - Improved Health and Wellness
 - Effective Environmental and Sustainability Education



ENERGY STAR

- Depending on your achievement levels, you can apply for recognition for your building or your organization. [Learn more.](#)
 - 20-percent recognition through the ENERGY STAR National Building Competition
 - ENERGY STAR certification for your building
 - ENERGY STAR Partner of the Year Award for your organization



Illinois Governor's Sustainability Awards

- Recognizes an elite group of leaders reducing environmental impact, contributing to the growth of a more sustainable Illinois economy.
- Applications for the [2016 Illinois Governor's Sustainability Award](#) are now being accepted!

Education

Student Research Examples



- Palos South Middle School Students do EE research & present ideas for EE improvements as part of their 8th grade capstone.



- *[Sacramento School District](#) featured 15 student teams guided by teachers to audit their school & find solutions. They then presented to community experts determining improvements.



- *The [Academy for Global Citizenship](#) in Chicago uses their school as an extended classroom & taps in to out of classroom staff expertise to help students connect with their building as a system.
 - *Featured: The Center for Green School's [The Whole-School Sustainability Framework](#)

Behavior Change

- Powering Down is a USGBC National guide to Behavior-Based Energy Conservation in schools that was developed by a [Resource Manager](#)
 - Report examines 5 public schools & finds they reduce electricity use by 20-37% through behavior change.



Environmental or Green Clubs

- You can use a student club or parent green team to help with your material & benchmarking use studies or for stakeholder surveys as well as to increase buy-in & create educational opportunity.
- Resources:
 - Chicago Conservation Corps: environmental service club for 6th-12th grade CPS students
 - Great resources for any club or classroom:
<http://chicagoconservationcorps.org/club-network-resources/>

Lights for Learning



Presentation feature age-appropriate information about electricity, energy efficiency, peak/off peak time, load shifting, & energy conservation. These presentations can be offered at school-wide assemblies or to individual classrooms or clubs.



**Saving Energy Through
Education and Fundraising**

ComEd Education Programs

Field Trips

Take an interactive field trip to ComEd's Discovery Lab in Rockford or the Smart Energy Hub in Chicago's Bridgeport neighborhood.

\$10,000 Earth Month Challenge

Elementary school students learn about energy management and compete for cash and prizes. Apply for the next Challenge!

School Visits & Career Fairs

A ComEd engineer can visit your classroom or school for presentations on energy, safety, technology and more.

Super Savers

Super Savers help educate students and their families

Examples of Engagement through Contests

Lights for Learning
WINNING STUDENT
POSTER (2015)



Lights for Learning
WINNING
STUDENT VIDEO
(2015)



Q&A

thank you!