

The logo for ComEd, featuring the word "ComEd" in a bold, red, sans-serif font. A white starburst graphic is positioned between the "m" and "E". A registered trademark symbol (®) is located to the upper right of the "d".

ComEd®

An Exelon Company

The logo for the Illinois Department of Commerce and Economic Opportunity (dceo). The letters "dceo" are in a blue, lowercase, sans-serif font. Below the letters, the full name "ILLINOIS DEPARTMENT OF COMMERCE AND ECONOMIC OPPORTUNITY" is written in a smaller, blue, uppercase, sans-serif font.

dceo
ILLINOIS DEPARTMENT OF COMMERCE AND ECONOMIC OPPORTUNITY

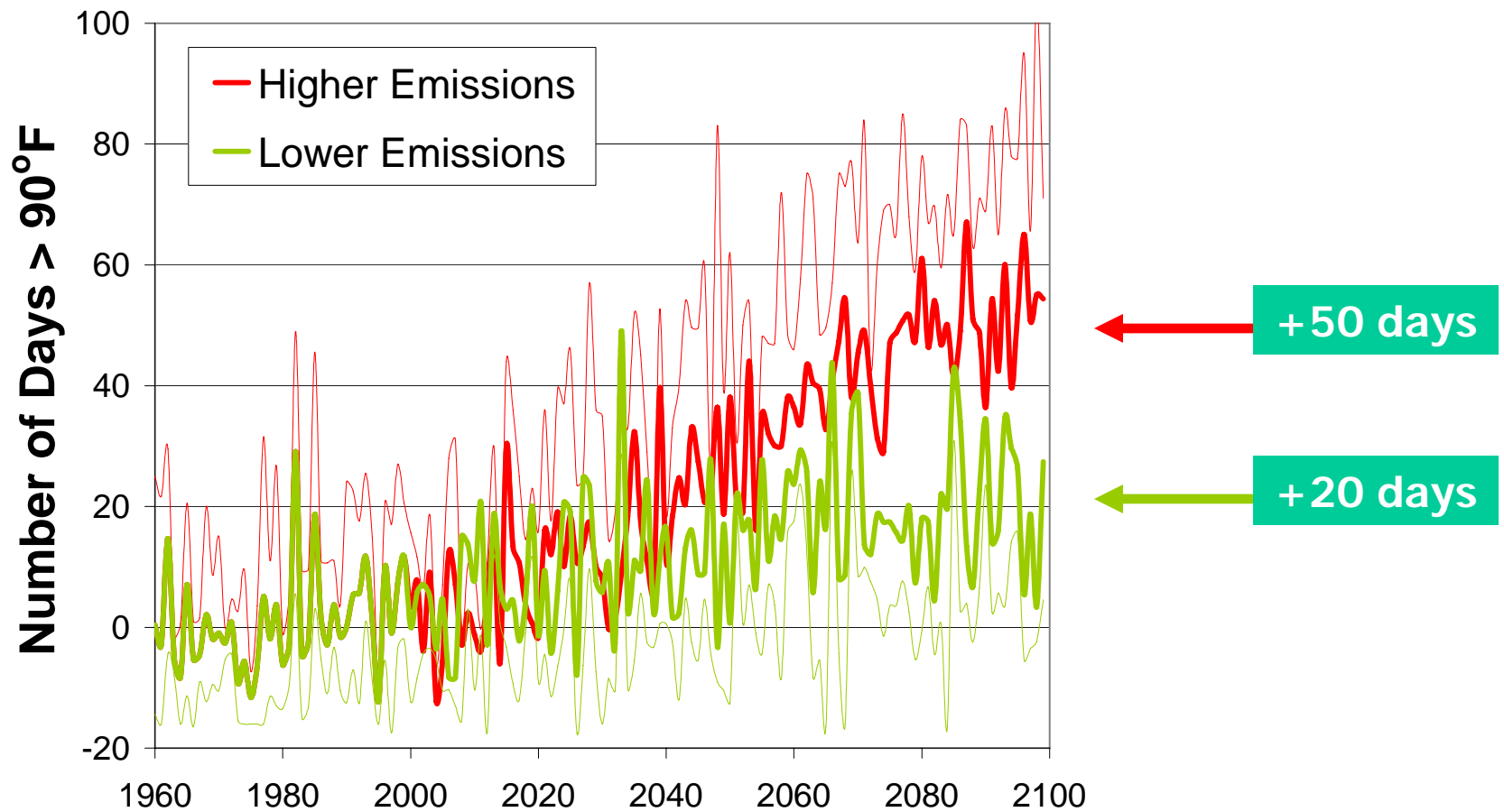
Energy Efficiency and Demand Response Plan

**For a Sustainable Illinois
October 24, 2008**

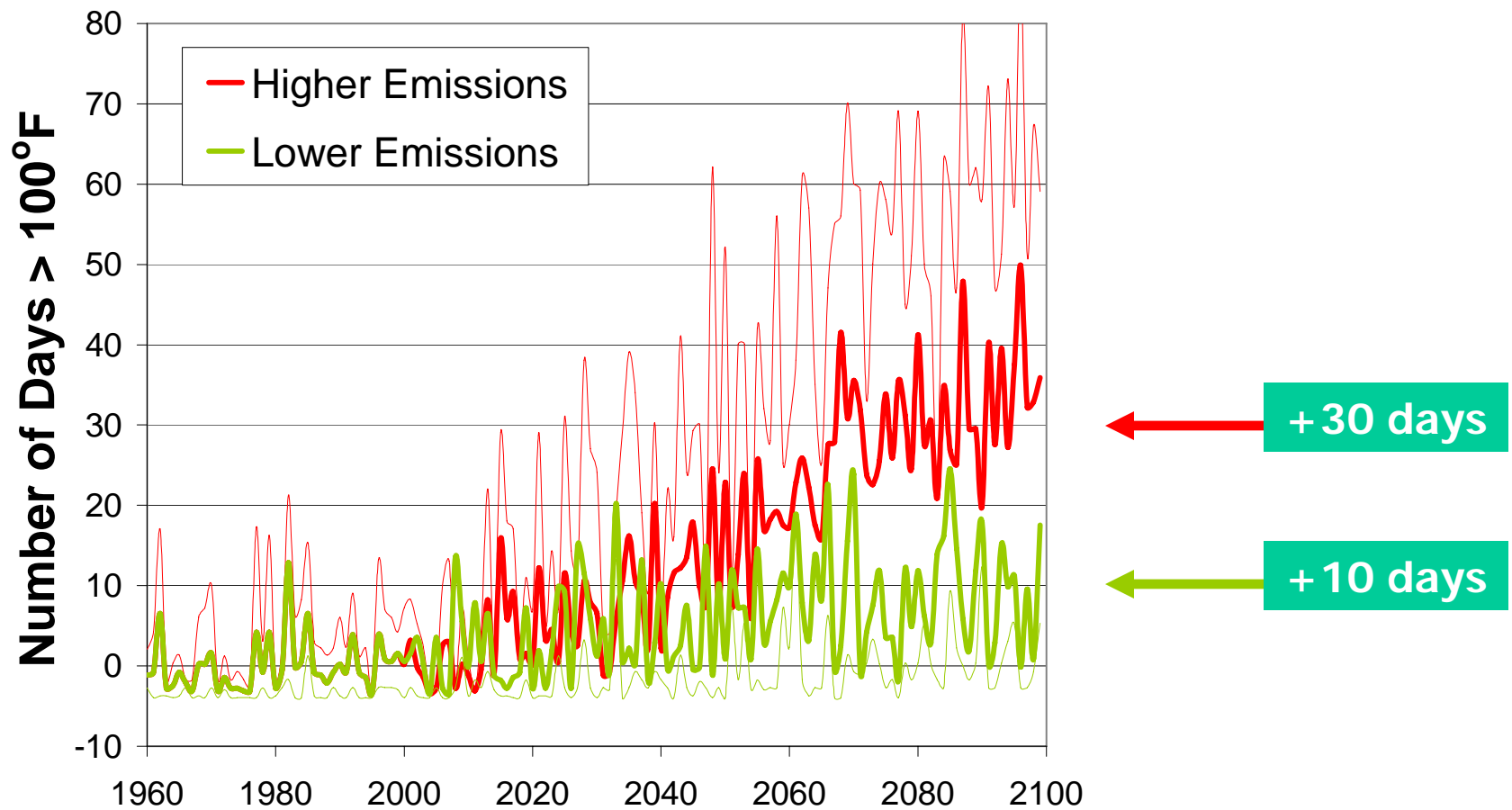
Global climate change presents an unprecedented challenge.

Addressing it will require nothing less than a profound transformation of the energy systems we have come to depend on, in ways large and small, literally every minute of every day.

City of Chicago Global Warming Task Force: Increasing Number of Days with $T_{max} > 90^{\circ}\text{F}$



City of Chicago Global Warming Task Force: Increasing Number of Days with $T_{max} > 100^{\circ}\text{F}$



- Bringing about this transformation won't be easy, won't be quick, and almost certainly won't be cheap.
- Energy-efficiency programs can provide the least expensive near-term reductions—in fact, many of programs produce net benefits for customers because the energy savings they generate more than outweigh the cost of the efficiency improvements.

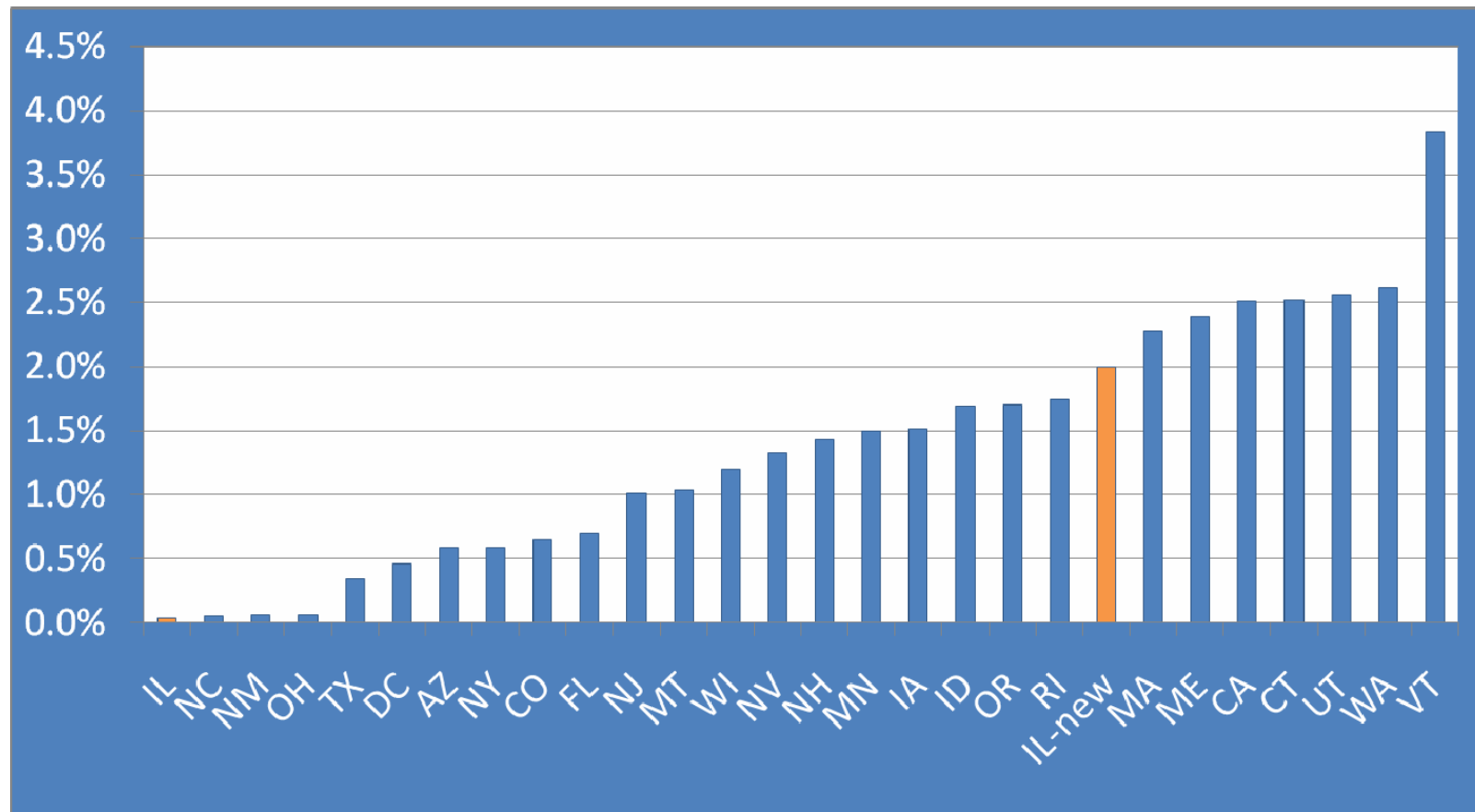
Energy Efficiency and renewable energy are key elements in many municipal – *and private sector* – sustainability strategies

- Climate Action Plans
- Municipal Green Buildings
- Green Collar Job Creation

A number of states have enacted laws that make funding available for energy efficiency programs and require that a percentage of electricity sold come from renewable sources

- The 2007 Illinois Power Agency Act (Public Act 95-0481) established historic energy efficiency, demand response and renewable energy goals, propelling Illinois to a position of national leadership

Public Benefit Funding for Energy Efficiency as a Percent of Utility Revenue



Public Act 95-0481 makes more than \$325 million available for incentives that reduce electricity use in Illinois in the first three years

- 3-year program portfolio developed and administered by ComEd and Ameren Illinois for their customers
- Targeted sectors: residential, commercial, industrial and public
- 10% of total annual budget set aside for programs benefiting units of local government (administered by Illinois DCEO)

Programs focus on

- Energy Efficiency
- Demand Response
- Education and outreach
- Market Transformation
- R&D/emerging technologies

ComEd's *Smart Ideas* Energy Efficiency Portfolio Incentives

ComEd's *Smart Ideas for Your Home* provides incentives for:

- ENERGY STAR® Lighting
- Appliance Recycling
- Central Air Conditioning Cycling
- All-electric Efficiency Upgrades (for Multi-Family & SFH)
- High Efficiency A/C and Quality Installation (June 2009)
- HVAC Tune-Up (June 2009)

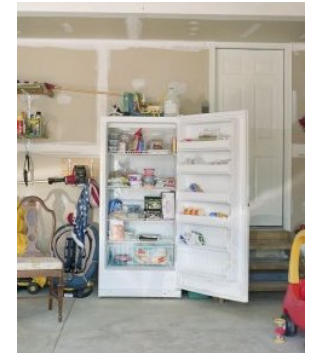


ComEd's *Smart Ideas for Your Business* provides incentives for:

- Lighting
- HVAC
- Refrigeration
- Motors
- Custom energy efficiency projects
- Retrocommissioning (January 2009)
- New Construction (June 2009)
- Small Business CFL Intro Kit (January 2009)

Serves

Private Sector
 Residential Customers
 Business Customers
 Nonprofit organizations
 - Museums
 - Foundations
 - Trade organizations
 Private K-12 schools
 Private community colleges
 Private universities



DCEO's Electric Efficiency Portfolio Incentives & Service Offerings

- **Public Sector Program**

- Lighting
- HVAC
- Refrigeration
- Motors
- Retrocommissioning
- Custom energy efficiency projects

- **Low Income/Residential**

- New construction/Gut rehab
- Remodeling/Weatherization

- **Technical Assistance**

- Building assessments
- Design assistance
- Large customer management practices
- Energy performance contracting

- **Education & Training**

- Building codes
- Building operators/owners
- Design/construction & HVAC replacement industry

Serves

Public Sector
Low-Income Customers
Public K-12 schools
Public community colleges
Public universities

ComEd's and DCEO's 3-year portfolio of incentives will

- Reduce energy consumption by 1.2 million MWh
- Reduce peak load by 330 MW
- Reduce carbon equivalent to removing 100,000 cars from the road
- Save customers a net \$155 million after program costs

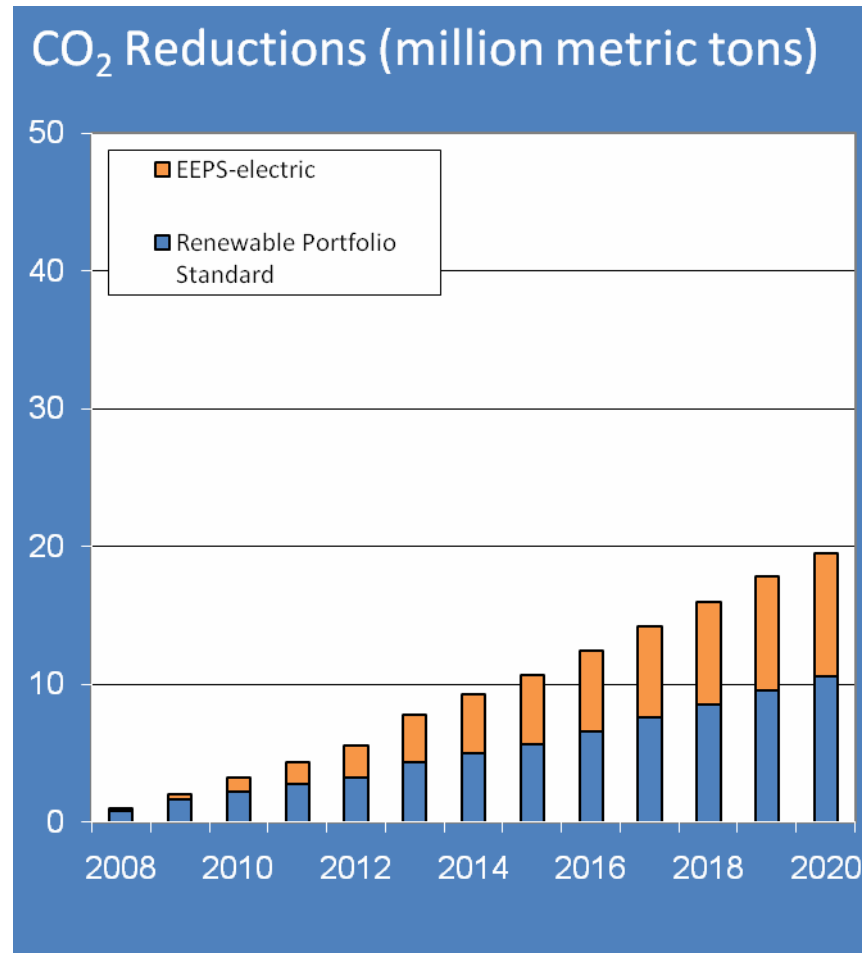
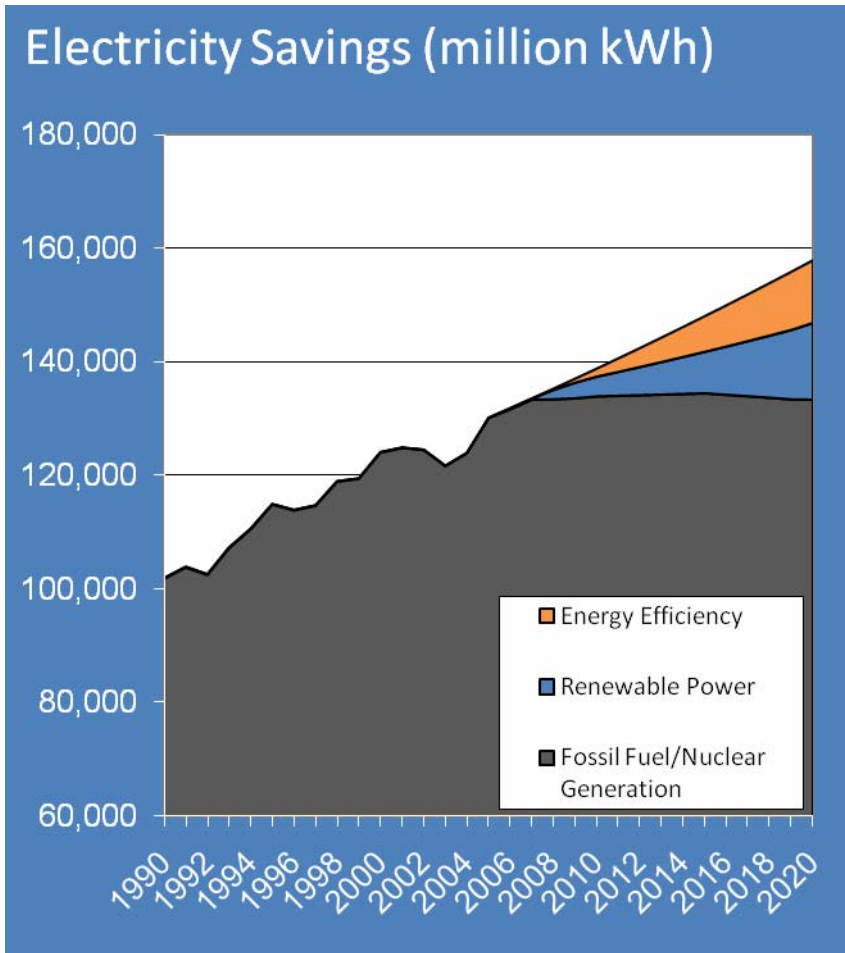
Estimated budget for programs

- \$39 million in Program Year 1 (6/1/08 – 5/31/09)
- \$82 million in Program Year 2 (6/1/09 – 5/31/10)
- \$127 million in Program Year 3 (6/1/10 – 5/31/11)

Program Year 1 progress to date

- ComEd's Smart Ideas for Your Business incentives are fully subscribed and new applications are being "wait listed"
- Demand for ComEd's Smart Ideas for Your Home residential programs is high
- DCEO Incentives still available

Environmental Benefit



What Measures/Activities are Ineligible for an Incentive?

- Fuel Switching
- Solar / Wind projects
(other incentives available)
- Residential applications
(other incentives available)
- Onsite Generation
- Peak Shifting

ComEd's and DCEO's Common Incentive Offerings

- **Prescriptive Incentives**

- Menu of standard offerings
- Pre-determined specifications and savings calculations
- Lighting, Cooling, Refrigeration, Motors, and Drives

- **Custom Incentives**

- Prescriptive technologies CANNOT be given a custom incentive
- Project-specific incentives
- Incentive based on calculated energy savings
- Industrial Process, non-HVAC VFDs, Economizers

- **New Construction**

- Launching in June 2009
 - Systems track-smaller projects or projects in the later stages of design
 - Comprehensive track-large projects early in the design process
- Before this program launches, new construction projects will need to go through the custom application process

- **Retrocommissioning**

- Retro-commissioning is a full-building tune-up designed to help your building perform as if it were new.
- Will provide technical support and incentives to help building owners, management companies and facilities personnel increase their buildings' electric efficiency.
- Currently targeted toward buildings 150,000 square feet or greater.

ComEd's Unique Energy Efficiency Program Offerings

Energy Data

- **Energy Insights Online**
 - Web-based analysis tool
 - Converts energy usage data into easy-to-read graphs
 - Shows usage patterns
 - Need a recording meter

- **Automated Whole Building Data Retrieval**
 - ComEd will soon provide a web-based application for facility managers to retrieve whole building energy usage data
 - Usage data will be used for input into the ENERGY STAR portfolio manager
 - Facility managers will be able to query the application by building address and date ranges

DCEO's Unique Energy Efficiency Program Offerings

Incentive Programs

- **Low Income**
 - New Construction and Gut Rehab
 - Moderate Rehab
 - Single-family Retrofit

Market Transformation

- **Technical Assistance**
 - Smart Energy Design Assistance Center (SEDAC)
 - Large-customer Energy Analysis Program (LEAP)
 - Energy Performance Contracting
- **Education & Training**
 - Building Codes
 - Building Operators/Owners
 - Design/Construction and HVAC Replacement Industry

Other Related Offerings: DCEO's Renewable Energy Programs

- Approximately \$5 million per year for the Renewable Energy Resources Program
- Solar Energy Rebate Program: provides a rebate of 30 percent of eligible project costs up to \$10,000 related to a solar thermal or solar photovoltaic system installation
- Solar Energy Incentive Program: provides grants for eligible project costs related to a solar thermal system installation or certain photovoltaic installations over \$50,000 in total cost

Next Steps: A Planning Framework for Municipalities

- Define your climate change or other sustainability objectives
- Inventory internal resources and tools
 - Municipal buildings and operations
 - Established avenues of access to residents and businesses in your community
 - Budgets for capital improvements, health & human services, economic development, etc.
- Identify external resources that support your objectives
 - Organize your search for resources by answering four questions:
 - What do I need?
 - How much do I need?
 - When do I need it?
 - Who has it?

Next Steps: A Planning Framework for Municipalities

- Identify external resources (cont'd)
 - Resources include
 - ComEd's Smart Ideas energy efficiency programs for homes and businesses
 - DCEO's Public Sector, technical assistance and job training
 - IL State Treasurer's Office "Green Energy" loan program
 - Tax incentives and credits
 - Grants
- Identify partners who can help with implementation
 - Partners may include ComEd, Ameren, DCEO, Chamber of Commerce (and other membership associations), and Nonprofit Organizations
- Draft a Plan and schedule that leverages your resources and partners
 - Be realistic about schedule
- Keep going back to your project objectives and schedule to ask "Who else can help?"

For more information and applications:

Visit ComEd.com for *Smart Ideas for Your Home* and *Smart Ideas for Your Business*

Visit ActOnEnergy.net for information about Ameren's Energy Efficiency programs

Visit IllinoisEnergy.org for information about DCEO's programs

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