



An Exelon Company



Energy Usage Data System

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Energy Data Services
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Data Privacy Solutions Workshop

February 13, 2015

ComEd:

- 3.8 Million Electric Customers in Chicago/Northern IL
- 350,000 Business Customers

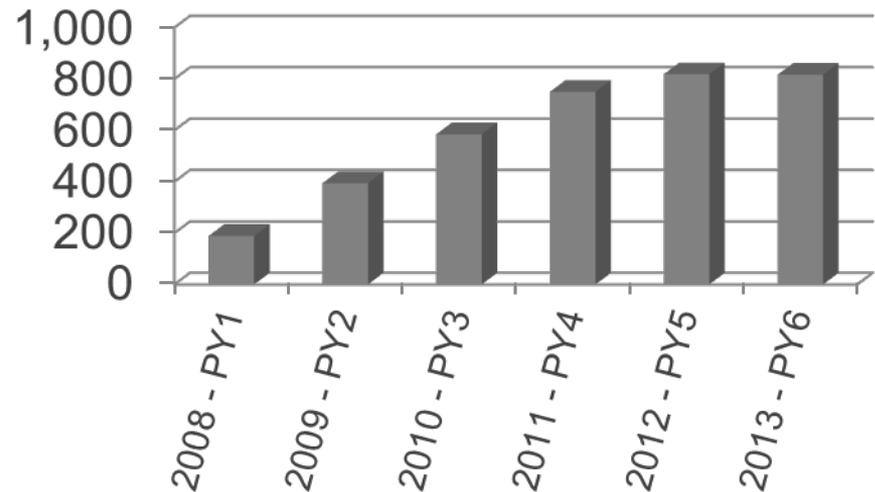
Energy Data Services:

- ✓ Energy Usage Data System (EUDS)
- ✓ Energy Insights Online (EIO) - Web Based Energy Consumption Tracking
- ✓ Enterprise Service Bus (ESB)

What is *Smart Ideas for Your Business*?

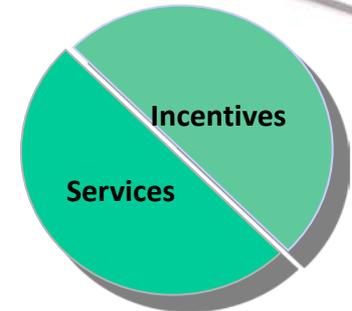
- **Provides incentives for energy efficiency upgrades and equipment**
- Part of Illinois energy legislation passed in 2007
- Program implemented by ComEd, Ameren Illinois and the Illinois Department of Commerce and Economic Opportunity (DCEO)
- Now in seventh year of program
- Ratepayer funded program

Smart Ideas Energy Efficiency Goals (MWh)



Smart Ideas Helps You Become More Energy Efficient

- ✓ *Smart Ideas* Opportunity Assessments
- ✓ Standard and Custom incentives
- ✓ New Construction
- ✓ Small Business Energy Savings
- ✓ Data Center
- ✓ Commercial Real Estate
- ✓ Business Instant Lighting Discounts (BILD)
- ✓ Commercial Building Optimization
 - Retro-commissioning
 - Monitoring Based Retro-commissioning
- ✓ Industrial Systems Optimization
 - Compressed Air
 - Process Cooling
 - Refrigeration



Energy Data Services is the “Gateway” to Customer Efficiency Benchmarking

- 1) Enroll for access to ComEd data tools and ENERGY STAR Portfolio Manager
- 2) Benchmark facilities to identify potential areas for improvement
- 3) Take advantage of ComEd Smart Ideas for Your Business incentives
- 4) Lower energy use with low cost / no cost operational improvements

Energy Star Benchmarking



- ✓ The **ENERGY STAR** rating system allows owners and operators of commercial buildings to compare their buildings' energy performance to that of similar buildings throughout the U.S.
- ✓ The rating is calculated on a 1-to-100 scale using basic data regarding the buildings' physical attributes, operating characteristics, location, and monthly energy consumption
- ✓ Buildings that score a **75** or higher and maintain a healthy indoor environment are eligible to receive the ENERGY STAR for Buildings label

Energy Usage Data System (EUDS)

- ✓ Enter your Portfolio of Commercial / Multi-Family Buildings
- ✓ Provides Whole-Building Aggregated kWh usage
- ✓ Automated End to End Data Retrieval and Reporting
- ✓ Export Usage Data for input into EPA Portfolio Manager
- ✓ Secure System and Data Transmission

The screenshot displays the login interface for the Energy Usage Data System. At the top left is the ComEd logo with the tagline 'An Exelon Company'. To the right, the title 'ENERGY USAGE DATA SYSTEM' is displayed above a banner image of wind turbines and solar panels. The main section is titled 'User Authentication' and contains two input fields: 'Username' and 'Password'. Below these fields is a blue 'Login' button and a link for 'Forgot Password?'. At the bottom of the page, there are three logos: 'smart ideas', 'CALICO energy services', and 'ENERGY STAR PARTNER'.

Functionality Overview

- ✓ One Time and Recurring Data Requests
- ✓ Tenant Verification
- ✓ Whole Building Data Usage Totals per Month (kWh)
- ✓ Automatically submit energy usage data to Portfolio Manager (ABS)

Partnership with:



IT Contractors- On Site at ComEd

- Energy Industry Consultants with Hardware/Software expertise
- Completed by June '08, Rollout October '08
- ABS Enhancement - 2009, Single customer locations – 2012
- Multi-family users (4+ tenants) - 2013

✓ Requirements captured from all key stakeholders

✓LCS Account Managers

✓Customer (Building Managers)

✓Marketing

✓Customer Service Reps

✓IT (ComEd)

✓Billing

✓EPA

✓Legal

Customer Privacy / Access to Data

- ✓ Software Safeguards
- ✓ Defined Enrollment Process
- ✓ Report Tracking
- ✓ Measurement and Verification
- ✓ Data Analytics

Admin Admin
Program Manager

My Profile

Data Portal Settings

Web Service

Username: XXXXXXXX
Password: XXXXXXXX
Poll Interval: XXXXXXXX

[Modify](#)

IMAP Server Settings

IMAP Server: webmail.ihost...
Port Number: 993
Username: energydatareq...
Password: (not shown)
Use SSL: true
Poll Interval: 1 min(s)

[Modify](#)

Tenant Settings

Min Tenants: 4

[Modify](#)

Request Manager Settings

Status Update

Last Check-in Details

Date: Aug 21 2012
Time: 13:32

Request Processing Time Settings

Maximum Waiting Time: 60 min(s)

[Modify](#)

Request processor

Current Mode: Request Manager

[Switch Over To FTPBatchProcessor](#)

Users Summary

Active Users:	657
Active Users Logged: (in the past 90 days)	173
Total Users:	657
Program Managers:	4
Program Analyst:	4
Account Managers:	91
Building Managers:	558

Request Summary

Requests Completed	
This Year:	2708
This Month:	205
Previous Month:	498
Requests Pending:	27
Requests Completed/Submitted:	5389

Building Summary

Active Buildings:	3176
New buildings this month:	45

Reports

- Status Report
- Buildings added / month
- Usage request / month
- Usage request months
- No. of requests / month
- Requests Sent To ENERGY STAR

Settings

Account Manager - Building Manager Mapping

Add Building:



Add New Building (Primary Address)

Building Name:	<input type="text" value="20 S Clark"/>
	No special characters other than [-] are allowed and the Building name cannot start with special characters.
Street Number:	<input type="text" value="20"/>
	Street number can have numbers seperated by (-). E.g., 13 , 134-235
Street Name:	<input type="text" value="Clark"/>
	No special characters other than [-] are allowed and the street name cannot start with these special characters.
Street Direction:	<input type="text" value="South"/>
State:	<input type="text" value="Illinois"/>
City:	<input type="text" value="Chicago"/>
Zip:	<input type="text" value="60606"/>
	Zip code should be in 5 digits. E.g., 50571
<input type="button" value="Save"/> <input type="button" value="Save & Add Secondary Address"/> <input type="button" value="Clear"/> <input type="button" value="Cancel"/>	

Add Request:

Building Name:	<input type="text" value="20 S Clark"/>
Starting Date:	<input type="text" value="01"/> <input type="text" value="Jan"/> <input type="text" value="2010"/> <input type="checkbox"/> Recurring
Start Date should be less than today's Date. Minimum 30 days gap should be there between today's date and end date.	
Ending Date:	<input type="text" value="31"/> <input type="text" value="Dec"/> <input type="text" value="2010"/>
End Date Should be more than Start Date .Minimum 30 days gap should be there between today's date and end date. End Date should be less than today's Date	
Request for:	<input type="text" value="Monthly"/>
Place Request:	<input checked="" type="radio"/> Now <input type="radio"/> Schedule Date Please select Schedule Date Date should be greater than today's date
	<input type="checkbox"/> Auto Confirm
<input type="button" value="Submit"/> <input type="button" value="Cancel"/>	

Verify Tenants:

Tenant Verification

[Export to Excel](#)

View per page

Pages: **1**

Status	Tenant Name	Tenant Address	Confirm/Deny	Category	Remarks
	ACCOUNTANTS INTERNATIONAL	20 S CLARK, UNIT 24WB, CHICAGO	<input type="radio"/> Confirm <input type="radio"/> Deny	Uncategorized	
	AFFILIATED NETWORK SERVICES	20 S CLARK, UNIT 1850, CHICAGO	<input type="radio"/> Confirm <input type="radio"/> Deny	Uncategorized	
	AGORA INS NETWKS SOLUTIONS	20 S CLARK, UNIT 800, CHICAGO	<input type="radio"/> Confirm <input type="radio"/> Deny	Uncategorized	
	AUDREY GAYNOR & ASSOC	20 S CLARK, UNIT 1620, CHICAGO	<input type="radio"/> Confirm <input type="radio"/> Deny	Uncategorized	
	BELONGIA SHAPIRO & FRANKLIN	20 S CLARK, UNIT 3E, CHICAGO	<input type="radio"/> Confirm <input type="radio"/> Deny	Uncategorized	
	BRANDWEIN & SMOLIN	20 S CLARK, UNIT 410, CHICAGO	<input type="radio"/> Confirm <input type="radio"/> Deny	Uncategorized	

- Active Tenant - Inactive Tenant

Please verify all the records in all the pages

[Confirm All](#)

[Submit Tenant List](#)

Data Returned -- Submit to ENERGY STAR

 [Export to Excel](#)

Usage Details

Month Year	Total Monthly Usage (kWh)
Jan 2010	1,082,966
Feb 2010	961,654
Mar 2010	657,748
Apr 2010	498,732
May 2010	557,258
Jun 2010	590,241
Jul 2010	652,061
Aug 2010	639,872
Sep 2010	710,775
Oct 2010	458,091
Nov 2010	678,545
Dec 2010	1,085,638
Total	8,573,581

[Submit to ENERGY STAR](#)

Before

(Manual Process)

- Cost to Customer
- Cycle Time 10-12 Days
- Labor Intensive
- Limited Number of Requests
- Data Provided Quarterly and/or Annually
- Customer contacts ComEd to obtain data

After

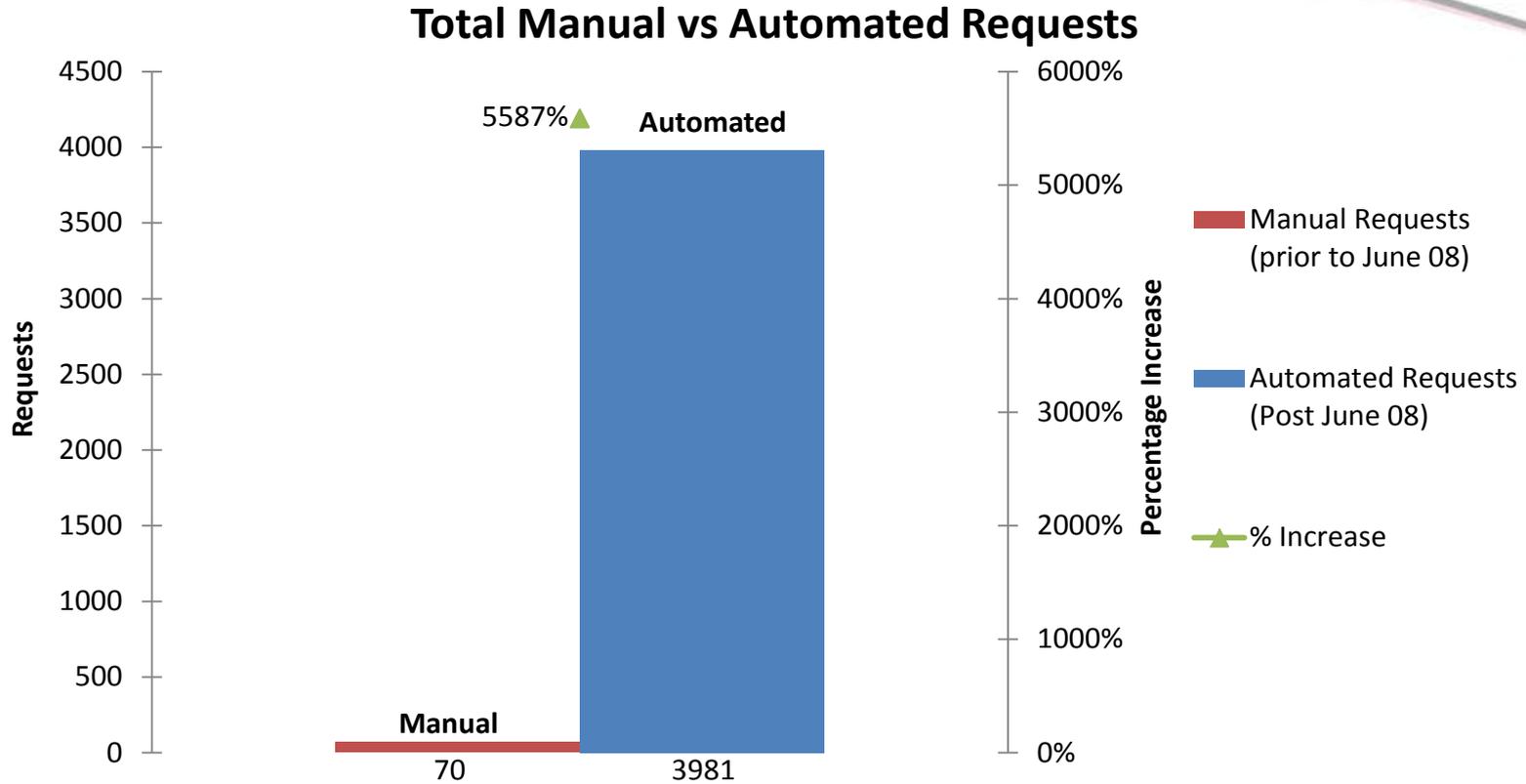
(Automated Process)

- No Cost to Customer
- Cycle Time 1-2 Days
- Completely Automated
- Unlimited Number of Requests
- Monthly Data
- Customer empowered to obtain data whenever needed

Support for Energy Usage Data System:

- ✓ Technical Support
- ✓ Admin Support
- ✓ Online Mailbox
- ✓ Online Training
 - Job Aids
 - Webinars
- ✓ LCS Account Managers
- ✓ Ongoing joint training workshops with the EPA

EUDS Results:



Manual Buildings (<June 2008) vs Automated Buildings (>June 2008)

882 Building Managers Currently Using EUDS

Over 47,100 data requests since June 2008

Major Accounts using EUDS

- ✓ Walgreens
- ✓ Mercy Housing
- ✓ DK Condo
- ✓ Jones Lang LaSalle
- ✓ CB Richard Ellis
- ✓ University of Chicago Medical Center
- ✓ Hamilton Partners
- ✓ Cushman and Wakefield
- ✓ Advocate Healthcare

City of Chicago Energy Benchmarking Ordinance

- ✓ Enacted September 2013
- ✓ Requires large buildings in Chicago to track and report whole-building energy consumption
 - 50,000 square feet and above
 - Benchmarking using U.S. Environmental Protection Agency (EPA) ENERGY STAR Portfolio Manager
- ✓ Key dates for compliance
 - June 1, 2014 - 2016
 - Based on building square footage

EUDS Support – City of Chicago Energy Benchmarking Ordinance

- ✓ Training – 375 people – Benchmarking Courses
- ✓ Increased enrollments
 - 154 Building Owners, 289 Buildings (Since September 2013)
- ✓ Website Links – City of Chicago to ComEd
- ✓ Elevate Energy – Developed plan for customer inquiries
- ✓ Additional on-site training
 - Roosevelt University
 - Northwestern University
 - Chicago Higher Education Benchmarking Workshop at Loyola University
- ✓ Chartwell's Best Practices article

Better Buildings Energy Data Accelerator Initiative (U.S. Department of Energy & White House)

- ✓ Partnership with City of Chicago
- ✓ EUDS – Best in Class Solution – National Recognition
- ✓ Featured by U.S. Department of Housing and Urban Development (HUD) – Best Solution for Multi-Family Benchmarking
- ✓ Chartwell article featured on DOE Website
- ✓ Participated in Better Buildings Summit – Washington DC

Questions?

Smart Ideas Program questions ...

New Number! (855) 433-2700

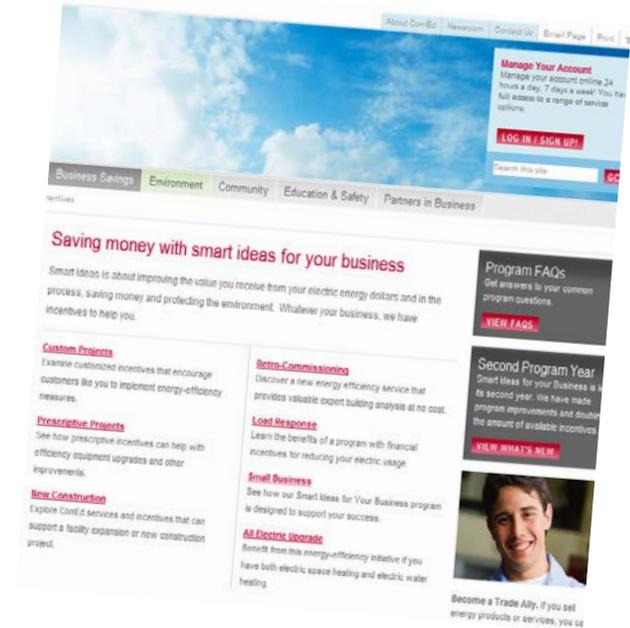
✓ www.ComEd.com/bizincentives

- Program information
- Application forms

Energy Data Services...

✓ www.ComEd.com/EnergyUsageData

- Enrollment information
- Training materials



Thank You!

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