



An Exelon Company



# Energy Usage Data System

“An enterprise web system that enables building managers to fully manage their usage data requests”

CEE Ask the Experts Workshop

Tuesday, June 2, 2009

## ComEd:

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

## Energy Data Services:

- ✓ Energy Insights Online (EIO) - Web Based Energy Consumption Tracking
  - Manage Energy Usage by meter (half hour increments)
  - Compares usage with outside temperature
- ✓ Energy Usage Data System

## **ComEd's 2008-2010 Energy Efficiency & Demand Response Plan:**

*“ComEd will encourage customers to use the building benchmarking services available as a first step toward adoption of “whole building” perspective on energy management. ComEd will provide building energy consumption data needed for benchmarking to building owners and, based on the level of consumer interest, may move toward automated data transfer for benchmarking.”*

# Drivers to Benchmarking - Market Transformation:

## 1) Commission Requirements:

“To further promote market transformation related to energy efficiency, ComEd will provide building energy consumption data needed for benchmarking and load profiling to building owners, and move toward automated data transfer for benchmarking and online market-specific benchmark tools.”

Program proposal that ComEd filed with the ICC  
November 15, 2007

## 2) Billing System - CIMS - Windows Based

# Business Decision to Automate

## Manual Process:

- Cost
- Time & Labor Intensive
- Long Cycle/Turnaround Times
- Limited Number of Requests

## Automate:

- Mandated
- Encourage Benchmarking
- Involve Key Stakeholders
- Easy to Use
- Automate Submissions Directly to ENERGY STAR® Portfolio Manager (July 2009)

Partnership with:



## IT Contractors- On Site at ComEd

- Energy Industry Consultants with Hardware/Software expertise
- Begin March '08, Completed by June '08, Rollout October '08

## ✓ Requirements captured from all key stakeholders

- |                       |                          |
|-----------------------|--------------------------|
| ✓LCS Account Managers | ✓Customer (Building Mgr) |
| ✓Marketing            | ✓Customer Service Reps   |
| ✓IT (ComEd)           | ✓Billing                 |
| ✓EPA                  | ✓Legal                   |

## 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

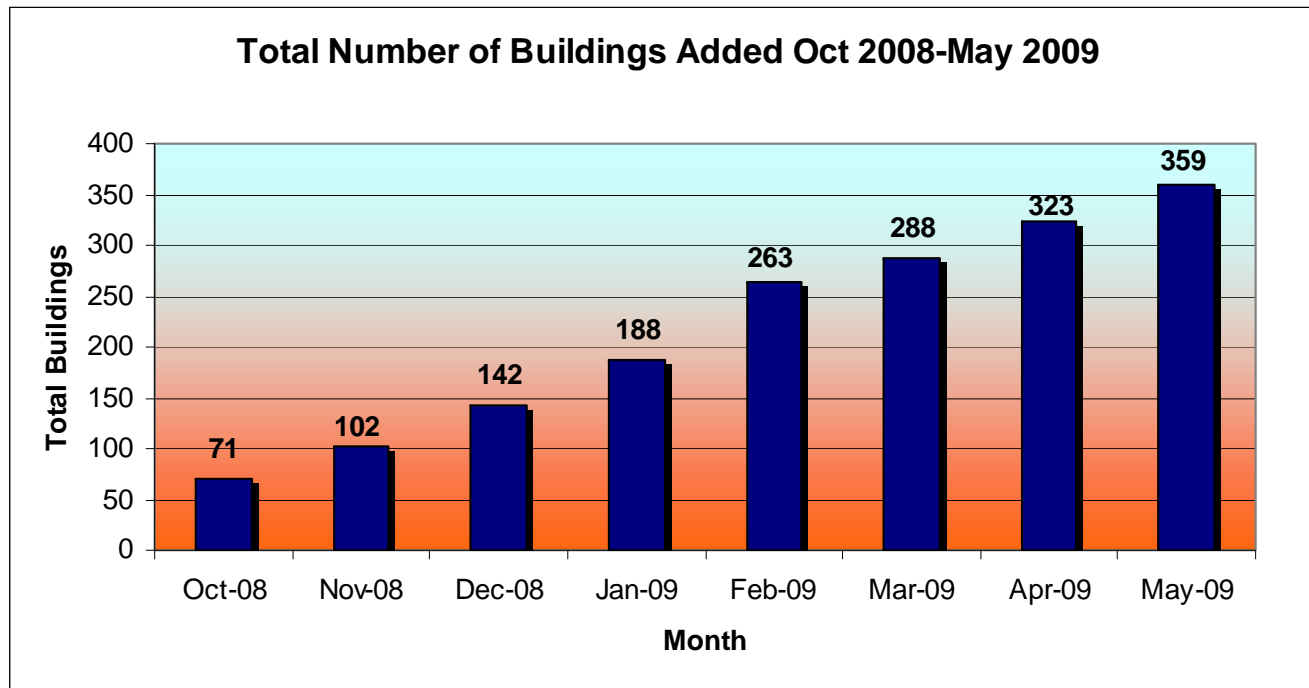
## EUDS Promotions/Training

- ✓ Building Owners & Managers Association (BOMA)
- ✓ Illinois Retail Merchants Association (IRMA)
- ✓ EPA ENERGY STAR® Portfolio Manager Training Workshops
- ✓ ComEd Bill Inserts - 350,000 inserts sent during two separate business billing cycles
- ✓ Monthly Newsletters
- ✓ Green Ribbon Workshops (1,400 business customers)
- ✓ Event Marketing
- ✓ Training Webinars
- ✓ LCS Account Managers (Customer meetings)

## Support for Energy Usage Data System:

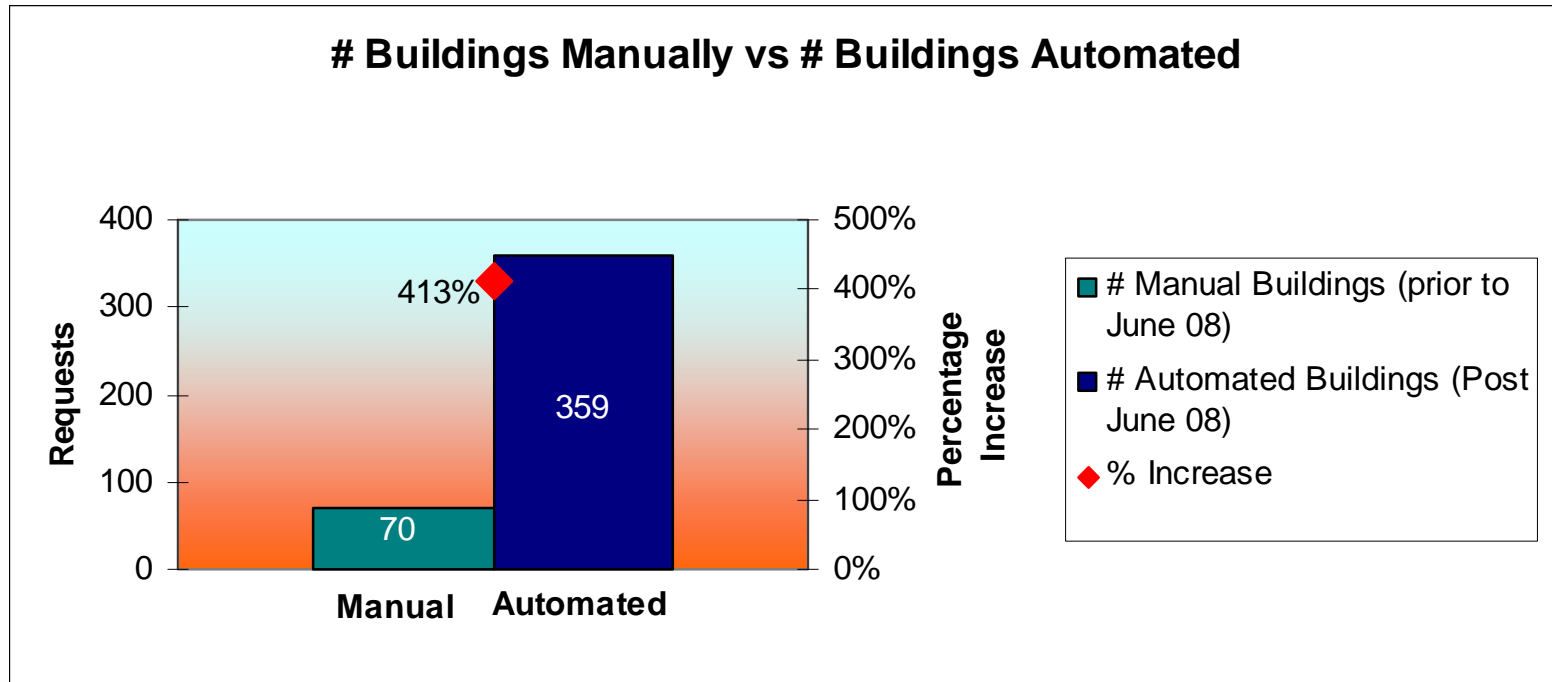
- ✓ Technical Support (Invaluable Technologies)
- ✓ Admin Support (Mad Dash Inc.)
- ✓ Online Mailbox
- ✓ Online Training
  - Job Aids
  - Webinars
- ✓ LCS Account Managers
- ✓ Ongoing joint training workshops with the EPA

# Results:



## Buildings Added Oct 2008-May 2009

## Results:



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

***Over 5,000 months of data requests since June 2008***

# EUDS 2.0 Enhancements, July 2009:

Usage Details

Month Year	Total Monthly Usage (kWh)
Jan 2008	1,034,512
Feb 2008	1,992,810
Mar 2008	1,023,400
Apr 2008	1,101,244
May 2008	1,150,307
Jun 2008	1,456,716
Jul 2008	1,768,211
Aug 2008	1,256,720
Sep 2008	1,320,029
Oct 2008	1,204,351
<b>Total</b>	<b>13,308,300</b>

[Submit to ENERGY STAR](#)

[Back](#) | [Dashboard](#) | [Request Management](#)

New Feature - Submit Usage Data Directly to ENERGY STAR Portfolio Manager!



## Building Management

+ New Building

### Customize Building Listing

View: 10 | 25 | 50 | 100 per page

Pages: 1

112	<a href="#">30 N LaSalle</a>	LaSalle	N	Chicago	Illinois	60602	Chris Howard	0	<input type="checkbox"/>		
100	<a href="#">30 S Wacker</a>	Wacker	S	Chicago	Illinois	60601	Chris Howard	0	<input checked="" type="checkbox"/>		
103	<a href="#">301 N Erie Street</a>	Erie	N	Chicago	Illinois	60634	Chris Howard	0	<input type="checkbox"/>		
109	<a href="#">500 W Monroe</a>	Monroe	W	Chicago	Illinois	60661	Chris Howard	0	<input type="checkbox"/>		
115	<a href="#">985 W Morgan Ave</a>	Morgan	W	Wheaton	Illinois	60189	Chris Howard	0	<input checked="" type="checkbox"/>		
113	<a href="#">Chocolate High</a>	Chocolate	S	Chicago	Illinois	60601	Chris Howard	0	<input checked="" type="checkbox"/>		
114	<a href="#">David's Condo Conversion</a>	Paul Revere		Wheaton	Illinois	60189	Chris Howard	0	<input checked="" type="checkbox"/>		
102	<a href="#">Drake Building</a>	Waters	N	Chicago	Illinois	60608	Chris Howard	0	<input type="checkbox"/>		
116	<a href="#">Glenbard Auto</a>	Main	N	Lombard	Illinois	60189	Chris Howard	0	<input type="checkbox"/>		
105	<a href="#">Ice Brook</a>	Marcus	S	Chicago	Illinois	60623	Chris Howard	0	<input checked="" type="checkbox"/>		



Activated button in Building Management screen shows data link to ENERGY STAR.

# Login Screen:

ENERGY USAGE DATA

User Authentication

Username

Password

Login

[Forgot Password?](#)

# Create Building:



Add New Building (Primary Address)

Building Name:   
No special characters other than [- ] are allowed.

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Street Number:   
Street number can have numbers separated by (-), E.g., 13 , 134-235

Street Name:   
No special characters other than [- ] are allowed and omit street type (Ex: Drive, Dr., Street, St., etc).

Street Direction:

State:


City:

Zip:   
Zip code should be in 5 digits. E.g., 50571

# Request Data:

Mr Building  
Building Manager My Profile

[Back](#) | [Dashboard](#) | [Request Management](#)

 **Make New Request**

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Building Name: **Briarbrook**

Starting Date:     Recurring  
Starting Date should be the first day of the month of your request.

Ending Date:     
Ending Date must be more than or equal to 30 days earlier than the current date.

Request for:

Place Request:  
 Now  
 Schedule Date  
Please select Schedule Date  
Date should be greater than today's date


Auto Confirm

# Tenant Verification

 [Export to Excel](#)

View **10** | 25 | 50 | 100 | per page

Pages: **1**

	GRETA I MERRICK	1027 BRIARBROOK, UNIT C, WHEATON	<input type="radio"/> Confirm <input type="radio"/> Deny	<input type="text"/>
	HEITMAN LLC	1027 BRIARBROOK, UNIT D, WHEATON	<input type="radio"/> Confirm <input type="radio"/> Deny	<input type="text"/>
	THERESA L CHOUINARD	1027 BRIARBROOK, UNIT A, WHEATON	<input type="radio"/> Confirm <input type="radio"/> Deny	<input type="text"/>
	THERESA L CHOUINARD	1027 BRIARBROOK, UNIT B, WHEATON	<input type="radio"/> Confirm <input type="radio"/> Deny	<input type="text"/>
	WENDY MAU	1027 BRIARBROOK, UNIT D, WHEATON	<input type="radio"/> Confirm <input type="radio"/> Deny	<input type="text"/>

 - Active Tenant     - Inactive Tenant

Please verify all the records in all the pages

[Confirm All](#)

[Submit Tenant List](#)

# Whole Building Usage Data:

Usage Details (Jan 2008 - Dec 2008)

Customize View



Export to Excel

## Usage Details

Month Year	Total Monthly Usage (kWh)
Jan 2008	995
Feb 2008	880
Mar 2008	804
Apr 2008	507
May 2008	647
Jun 2008	904
Jul 2008	1,187
Aug 2008	1,843
Sep 2008	888
Oct 2008	1,315
Nov 2008	909
Dec 2008	1,311
<b>Total</b>	<b>12,190</b>

# Questions?

# Thank You!

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