



ComEd® Energy Efficiency Program

SMART THERMOSTATS – WHERE WE’VE BEEN AND WHERE WE’RE HEADED



PLMA

San Francisco, CA
April 20, 2016

ComEd®

An Exelon Company

Utility Overview

Electric-only distribution utility

3.85 million customers (70% of Illinois Population)

Single-family = ~1.9 million

Multi-family = ~1 million

Service Territory: 11,428 square miles



Energy Efficiency Portfolio

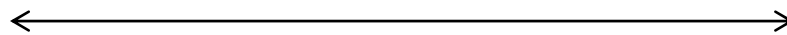
- Part of Illinois energy legislation passed in 2007
- Ratepayer funded
- Currently in Program Year 8: June 1, 2015 – May 31, 2016

Home Savings

Assessments
Rebates
Discounts
Recycling



ComEd Energy Efficiency Program



Business Savings

Small Business
Standard and Custom
New Construction
Mid-stream Lighting
Retro-commissioning
Industrial Systems

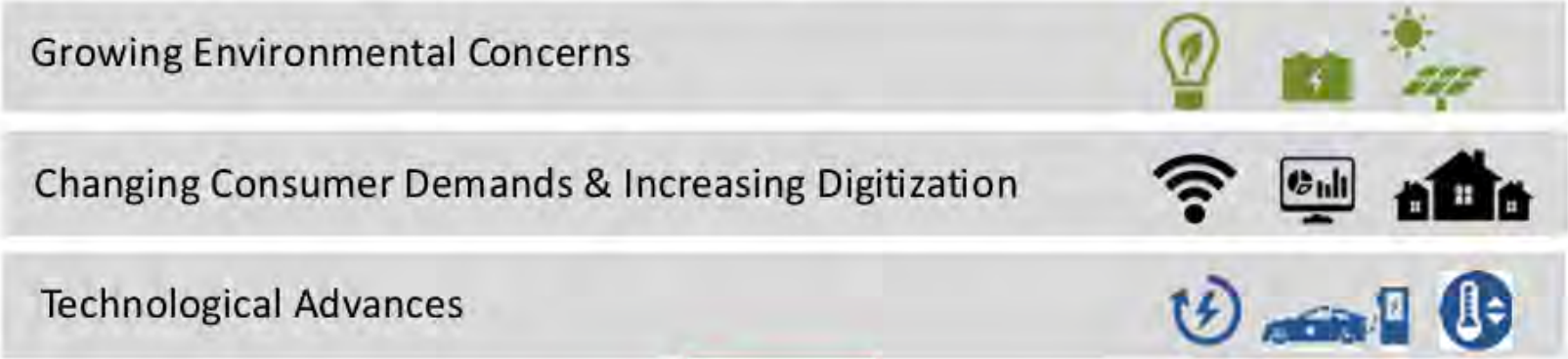


Residential Demand Response Portfolio

- ✓ Central Air Conditioning Cycling Program
 - 71,000 Participants
 - Traditional Load Control Switch
 - 50 MW
- ✓ Peak Time Savings
 - 150,000 Participants
 - Behavioral Demand Response
 - 20 MW

Why are we here?

As we look toward the future, we see and anticipate a significant disruption to our 130-year old industry. Three trends in what customers want are driving that disruption.



The Energy Future our Customers Want
Clean, lean, custom, reliable, resilient, and secure, while retaining the foundational policy goals of the electric system: **accessible, affordable, and fair**

Why Smart Thermostats?

- Additional savings beyond programmable, without sacrificing comfort
- Shifting Demographics = a fundamentally different customer
- Customers want more control and to save money
- Entry point for the “Smart Energy Home” concept
- Creates more opportunities for customers to participate in both demand response and energy efficiency programs

Demand Response – Where have we been?

Central AC Cycling Thermostat Pilot

- Pilot Phase 1 = June 1, 2014 – May 31, 2015
 - Received a \$100 sign up rebate per thermostat
 - \$40 Demand Response incentive for the summer
- Pilot Phase 2 = June 1, 2015 – May 31, 2016
 - \$40 Demand Response incentive for the summer
- 3,250 Customers Total
- 93% Satisfaction on Nest Feedback Survey
- Thermostats included Nest and Ecofactor (through Comcast)



Demand Response – Where have we been?

Peak Time Savings – Direct Load Control Pilot

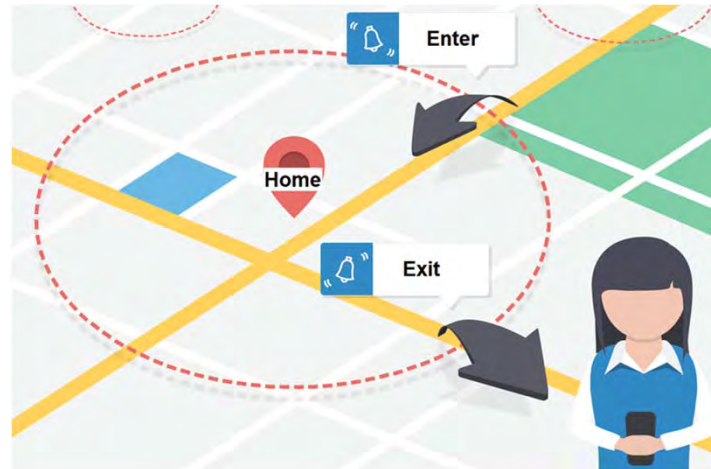
- Pilot Phase: June 1, 2014 – May 31, 2015
- 270 Participants
- 50% Cycling
- Smart thermostats: Honeywell FocusPro, Honeywell VisionPro, and Honeywell Smart 9000
- Goal: Provide customers on Peak Time Savings with a Direct Control option for the program by exploring different thermostat and DLC technologies



Energy Efficiency - Where are we now?

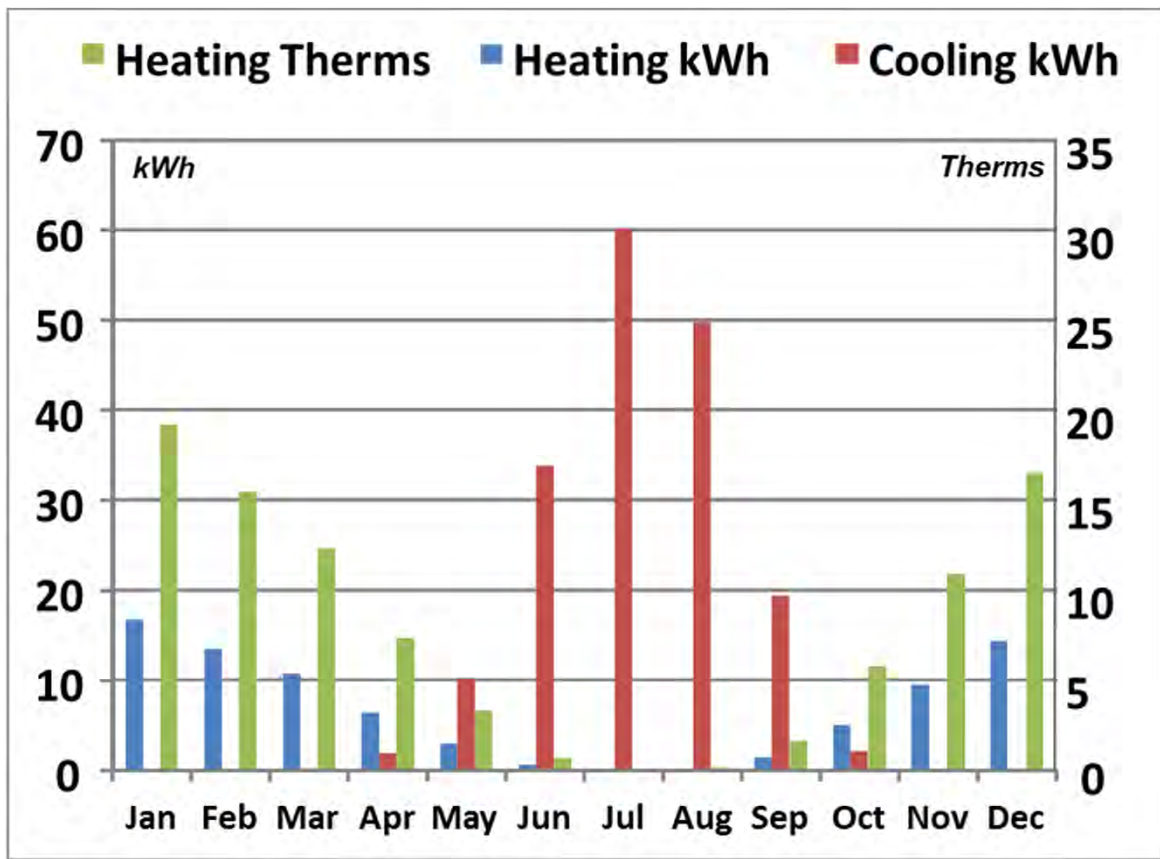
Smart Thermostat Requirements

- Wi-Fi enabled and controllable through a remote device.
- Connected to continuous 24 volt power supply source (through common wire or adapter).
- Incorporates occupancy based controls.
- Compatible with multi-stage heating and cooling units.
- Two year product warranty.



Smart Thermostat Energy Savings

From Illinois TRM 5.0:



Total Annual Smart Thermostat Energy Savings

Heating Therms: 88.4
 Heating kWh: 81.3
 Cooling kWh: 177.7

*Single-family home with central AC and natural gas furnace



Energy Efficiency - Where are we now?



THREE WAYS TO GET YOUR SMART THERMOSTAT

ComEd Smart Ideas® Energy Efficiency Program offers rebates and discounts on smart thermostats.*

SMART THERMOSTATS

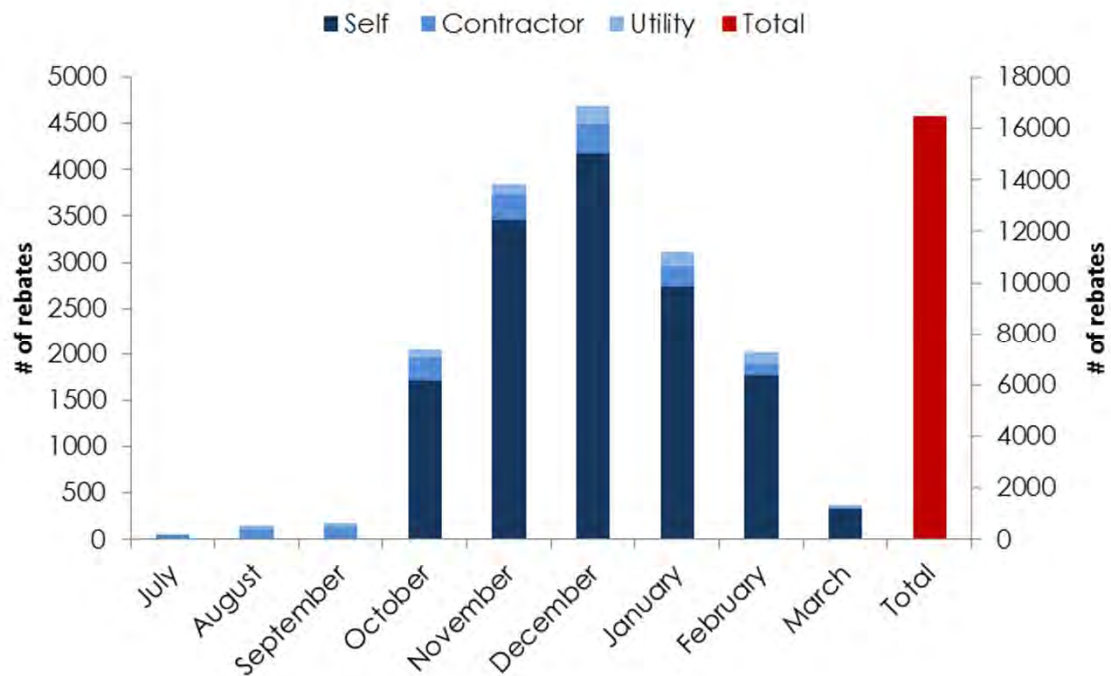
<p>Self-installed</p> <p>Purchase and Install your qualifying smart thermostat and receive a \$100 rebate from ComEd.</p>	<p>ecobee3, Nest Learning Thermostat</p> <p>\$100 rebate</p>
<p>Contractor-installed</p> <p>Use a professional contractor to install your qualifying smart thermostat and receive a \$125 rebate from ComEd.</p>	<p>ecobee3, Honeywell Lyric, Nest Learning Thermostat</p> <p>\$125 rebate</p>
<p>Utility-installed</p> <p>Receive a smart thermostat at the discounted price of \$150, including free installation during your Home Energy Assessment.</p>	<p>ecobee3</p> <p>\$150 discounted price</p>

*Some restrictions may apply. Additional rebates may be available from Nicor Gas, North Shore Gas and Peoples Gas. Visit gas utility websites for details.

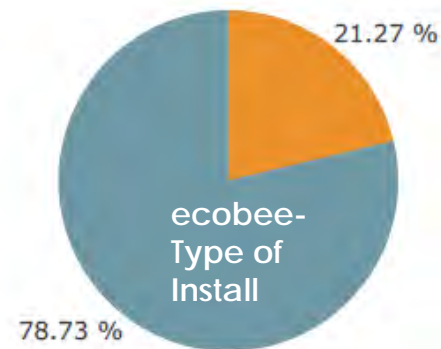
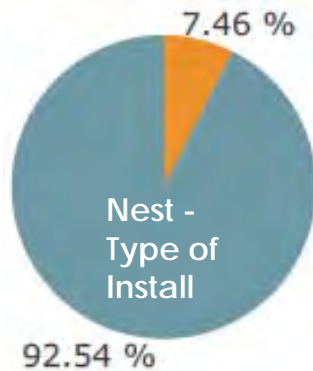
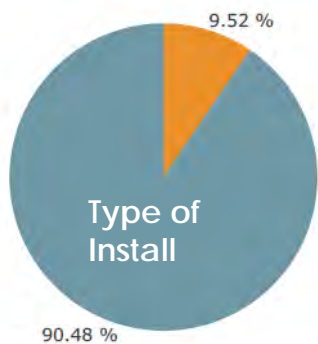
For more information call 855-433-2700 or visit ComEd.com/Rebates or ComEd.com/Assessment

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Energy Efficiency - Participation



Professional
Self



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Demand Response- Where are we now?

2016 Proposal for Central AC Cycling

- Include a Smart Thermostat Control Program as part of ComEd's Central AC Cycling beginning in the summer of 2016
- Continue to offer customers a \$40 incentive per summer for participation

2016 Peak Time Savings

- Investigating long term availability of thermostat options

Marketing – ComEd

DON'T FORGET YOUR REBATE

Apply online today at ComEd.com/Rebates

QUESTIONS? Call 855-433-2700

powering lives

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\$100 ComEd REBATE

on a Nest Learning Thermostat
See store associate for details.

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ComEd.com/Rebates

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ComEd REBATES ON SMART THERMOSTATS

Look for this label and save:

Then visit comed.com/rebates for full details.

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\$100 ComEd REBATE

on the Nest Learning Thermostat or ecobee3

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ALLEGANY POWER AND LIGHT

Energy Plan # 120000000

Valid thru: 12/31/15

05/01/14

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Marketing – Nest



Marketing - ecobee

**\$100
REBATE**
Learn more at
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Utility of the Future Customer Strategy

Build upon our investments to deliver value, in a agile way, for *all* of our customers bringing them choice, control and customization.

NON-EXHAUSTIVE

Innovation Pipeline



Voice of the Customer and Employee

Strategic Assets & Capabilities



Advanced Grid and Smart Meter Infrastructure



Business Intelligence and Data Analytics



Enhanced Digital Channels

Programs & Pilots



Peak Time Savings



Smart Connected Devices



Energy Marketplace



Expanded Energy Platform



 **Thank you!**

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Energy Efficiency: www.ComEd.com/rebates

Peak Time Savings: www.ComEd.com/PTS

Central AC Cycling: www.ComEd.com

