



Chicago Green Healthcare Initiative

Overview of the
Peoples Gas and North Shore Gas
Natural Gas Savings Programs

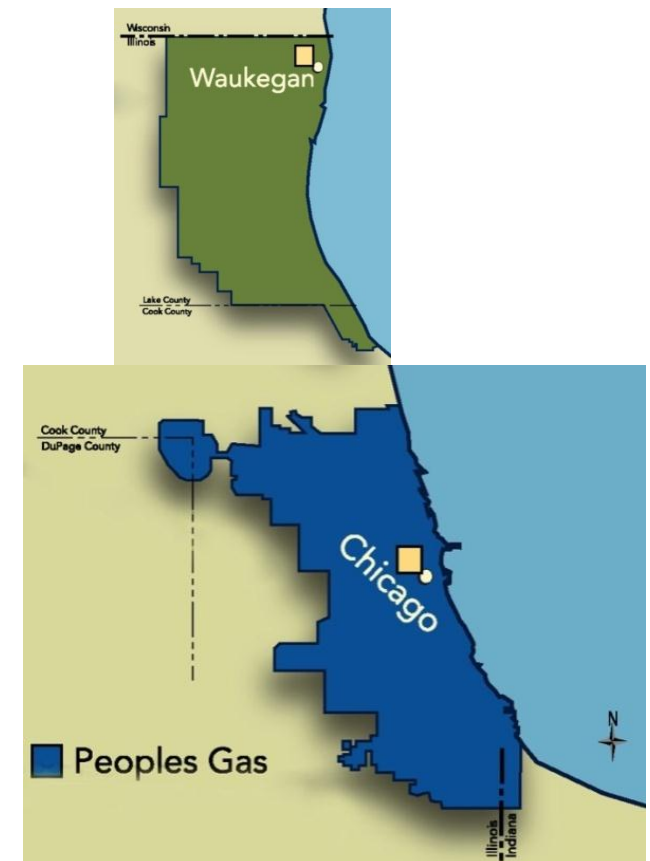
Natural Gas Efficiency in Buildings

October 19, 2012

Jim Hauser

Program Basics

- Legislative mandate: SB 1918
- Programs funded by you – the customer, based on consumption
- Franklin Energy provides program support for Peoples Gas and North Shore Gas Natural Gas Savings Programs



Residential Programs Overview

Prescriptive Rebate Program (co-delivered with ComEd)

- Furnaces, air conditioners, boilers, reset controls, insulation
- On Bill Finance Option for qualifying furnaces & air conditioners



Multi-Family Direct Install (co-delivered with ComEd)

- FREE Direct Install measures – energy-efficient showerheads, CFLs, etc.
- Targets apartment buildings 3 units or greater

Single-Family Direct Install

- FREE Direct Install measures – energy-efficient faucet aerators, shower heads, pipe insulation, etc.
- Single-family homes, two-flats, townhomes

C&I Programs Overview

Prescriptive Rebate Program

- One-for-one replacements of predetermined measures (boiler/furnace replacement, steam traps)

Custom Rebate Program

- Energy saving projects with tangible energy savings not covered by prescriptive rebates

Small Business Energy Savings (co-delivered with ComEd)

- FREE on-site energy assessment and installation of energy saving devices for small businesses

Retro-Commissioning (co-delivered with ComEd)

- Expert analysis of your commercial or industrial building to ensure optimal performance of energy-using systems



C&I Prescriptive Program

- Incentivize the purchase and installation of high efficiency equipment
- Some key equipment
 - Steam Trap Repair
 - Boiler Maintenance and Controls
 - Furnace/Boiler Replacement
 - Pipe Insulation
 - Food Service Equipment



Example Prescriptive Incentives

Measure	Peoples / North Shore
HW Boilers – depending on size and efficiency	\$2 - \$6.67 / MBH input
Steam Traps – documentation needed	\$60 / trap
High-pressure steam traps	\$150-200 / trap
Condensing Unit Heater, $\geq 90\%$ TE	\$2 / MBH input
Boiler & Burner Tune-Ups – documentation needed	\$.40 / MBH input
Boiler Cut-Out / Reset Controls	\$250 / control
Food Service Equipment	\$28 – 1000 / unit
Programmable Thermostats	\$40 / unit
Gas Water Heaters	\$ 100 - \$200



Limited Time Bonus Offerings

- **Featured Programs:** Residential (excludes central AC and attic insulation), Commercial & Industrial, and Small Business Energy Savings
- **Phase 1 Timing:** Now through November 30, 2012
 - Offering **DOUBLE bonus rebates** for Residential and C&I Prescriptive Programs (For Custom **Demand Control Ventilation** Applications: Additional \$.50/therm)
 - Offering a 30% increase in gas rebates for Small Business Energy Savings
- **Phase 2 Timing:** December 1 through December 31, 2012
 - Offering a 50% increase in rebates for Residential and C&I Programs (For Custom **Demand Control Ventilation** Applications: Additional \$.50/therm)
 - Offering a 15% increase in gas rebates for Small Business Energy Savings

Example BONUS Incentives

Measure	Peoples / North Shore
HW Boilers – depending on size and efficiency	\$4 - \$13.34 / MBH input
Steam Traps – documentation needed	\$120 / trap
High-pressure steam traps	\$300-400 / trap
Condensing Unit Heater, $\geq 90\%$ TE	\$4 / MBH input
Boiler & Burner Tune-Ups – documentation needed	\$.80 / MBH input
Boiler Cut-Out / Reset Controls	\$500 / control
Food Service Equipment	\$56 – 2,000 / unit
Programmable Thermostats	\$80 / unit
Gas Water Heaters	\$ 200 - \$400

C&I Custom Program



- Incentives for gas saving projects not listed under prescriptive program
 - Burner Retrofits
 - Heat Recovery
 - Ozone Laundry
- Energy Engineers work with customers and trade allies to calculate therm savings from project
- **Pre-Approval REQUIRED**

Custom Program Details

- Project must have a payback of 1 to 7 years
 - \$1/Therm saved up to 50% of project costs or buy-down to 1 year payback
- Project needs pre-approval, prior to commencement, invoice or PO

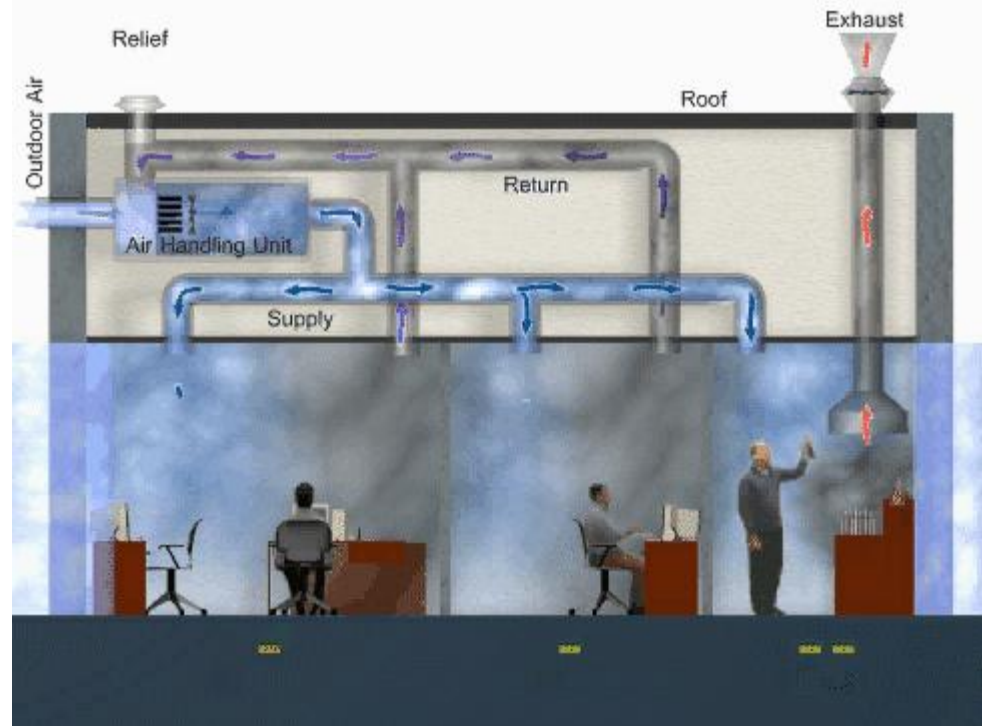
NEW Custom Incentive Limit for PY2

- Increased cap on custom incentives to **\$500,000** or 50% of total project cost
 - Was \$250,000
- **REQUIRES PRE-APPROVAL**



Retro-Commissioning

- Commissioning agents undertake a **detailed analysis of your building and systems** to uncover low/no cost O&M changes which can save substantial energy
- Example: over ventilating during unoccupied times
- Joint program with ComEd



MF DI Case Study: Resurrection Health Care

– Project Description:

- 670 Units

– Estimated Project Cost:

FREE!

– Rebate Amount:

Free Product and Labor

– Energy Savings:

18,090 therms/year

\$29,851 in gas and water savings



Prescriptive Case Study: Art Institute of Chicago

- **Project Description:**
 - Commercial Food Service Equipment Upgrades
- **Estimated Project Cost:**
\$43,940
- **Rebate Amount:**
\$7,000
- **Energy Savings:**
5,406 therms/year



Custom Case Study: Shriners Hospital



Shriners Hospitals
for Children™

– **Project Description:**

- Linkage-less Burner Controls,
4 boilers

– **Estimated Project Cost:**

\$38,686

– **Rebate Amount:**

\$16,892

– **Estimated Payback:**

1.3 years with incentive

Custom Case Study: Mt. Sinai

INTELLI-HOOD ENERGY ANALYSIS

PROJECT: Sinai Health System -

ADDRESS: 1500 California Ave. - Chicago, IL 60608,

APPLICATION: Retrofit / Existing Building

DATE: 9/17/2012

Total Energy Savings:	\$19,365 /YEAR		
Electrical Savings:	166,587 kWh/YEAR		
Fan Energy Savings:	\$10,149 /YEAR		
Heating Savings:	\$7,704 /YEAR		
Cooling Savings:	\$1,512 /YEAR		
Net Installed Cost:	\$30,736	ComEd Rebate \$ 5,250	
Installed Cost:	\$50,801	PG Rebate \$14,815*	
Other Adders & Deducts:	-\$20,065	Total	\$20,065

Payback Period: **1.6 YEARS**

Rate of Return: OVER 5 YEARS: 44%
OVER 10 YEARS: 52%

Environmental Savings: 223,226 lb CO₂/YEAR

Current Uncontrolled Cost: \$40,305 /YEAR

* Peoples Gas standard rebate is \$9,877 with a 50% bonus if installed and operational by April 1st, 2013.*

– Project Description:

- Demand Control Ventilation

– Estimated Project Cost:

\$48,301

– Rebate Amount:

\$14,816

– Energy Savings:

7,507 therms/year

RCx Case Study: S&C Electric

– Project Description:

- Optimized system operations
- Minimized outside air and added enthalpy economizer

– Incentive:

\$48,454

– Energy Savings:

142,633 therms





What should you do now?

- Review the information provided today. Start thinking about gas efficiency opportunities in your facility.
- Call **855-849-8928** to schedule a **free**, on-site **assessment** with our local energy advisors to identify additional opportunities.



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