

CNYC HOUSING CONFERENCE

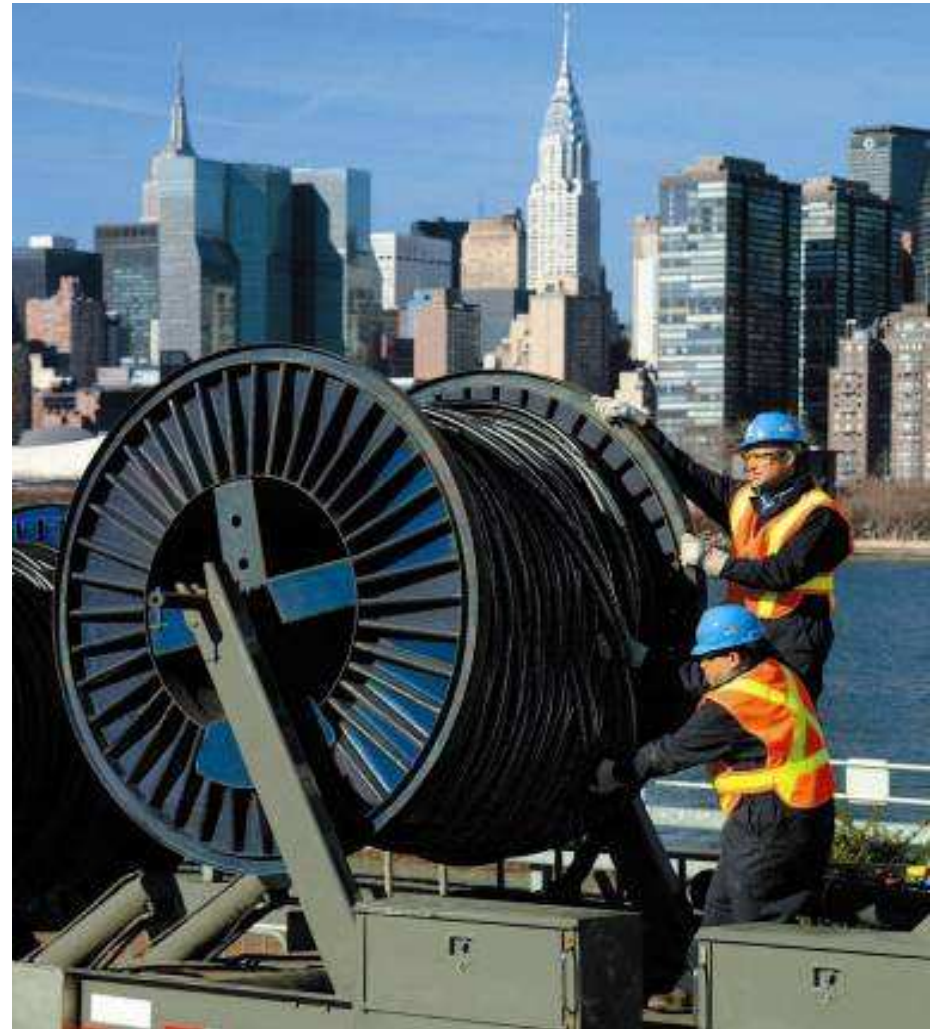
Con Edison
Energy Efficiency
Programs

November 14, 2010



Who We Are At Con Edison

- 660 sq. mile service territory
- 133,000 miles of T&D cable
- Over 3.3 million unique electric, gas and steam accounts; serve about 10 million people
- 76,000 people/sq. mile
- 2,000 MW/sq. mile at peak
- Over 600,000,000 sq. ft. of office space
- 421,000 businesses
- 900,000 residential buildings
- 58 **billion** kWh of electric consumption



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Electric System Efficiency

Generation



Large Gas Turbine
31%

Fossil Fuel
33%

Combined Cycle
45%

ERRP
68%

Average Efficiency
33%

Transmission & Distribution



Transmission
98.8%

Distribution
96.5%

Average Efficiency
93%

Customers



Incandescent Lighting
8-12%



Room Air Conditioners
15-30%



Commercial Refrigeration
55%

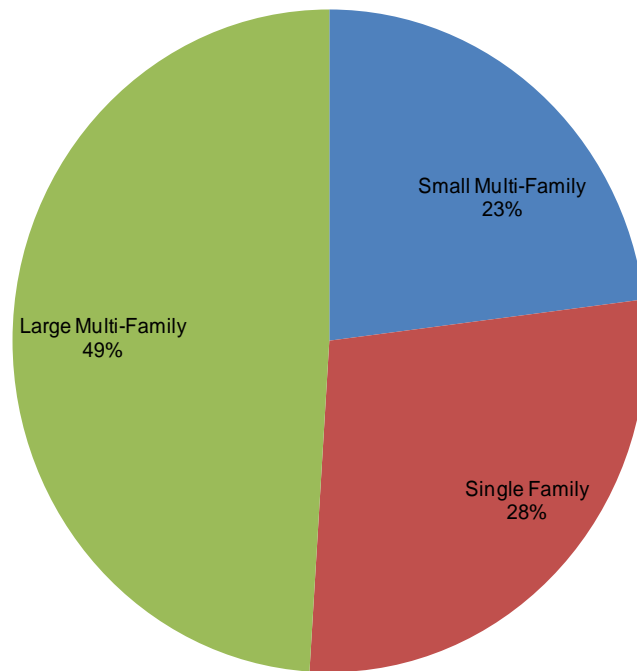


Commercial HVAC
65%

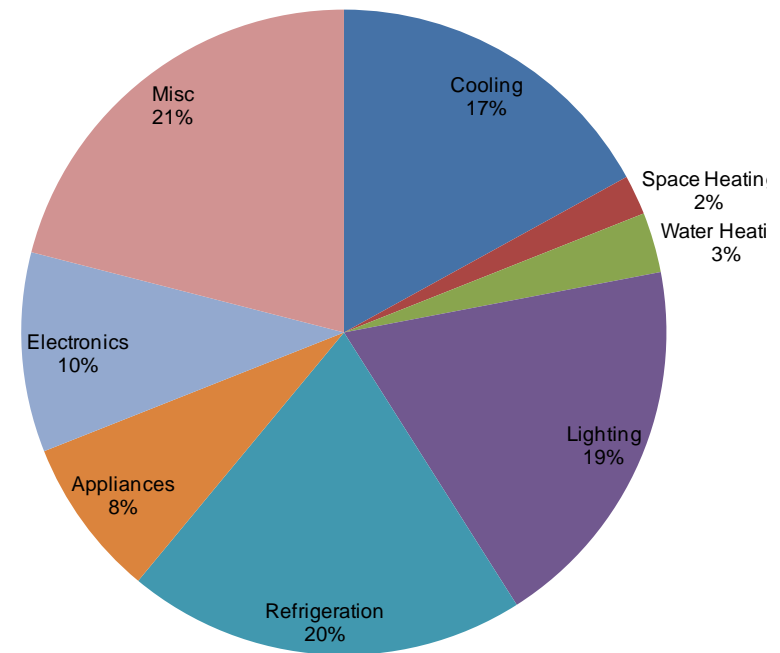
Average Efficiency
15-45%

Electricity Consumption Breakdown Residential

Market Segment

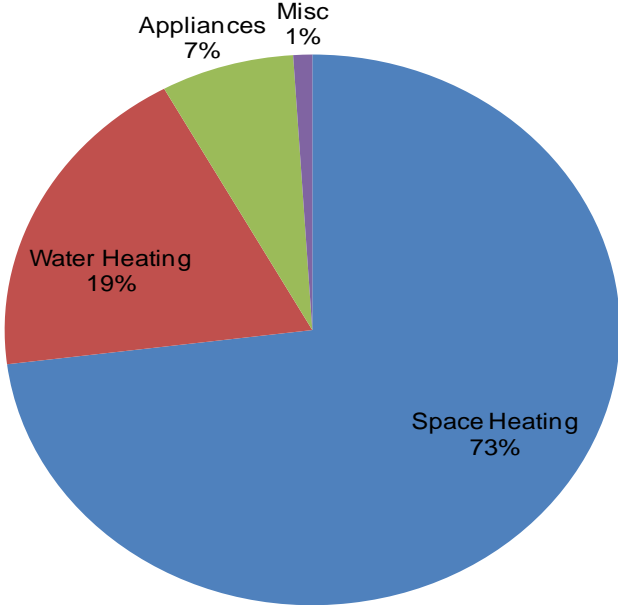


End Use

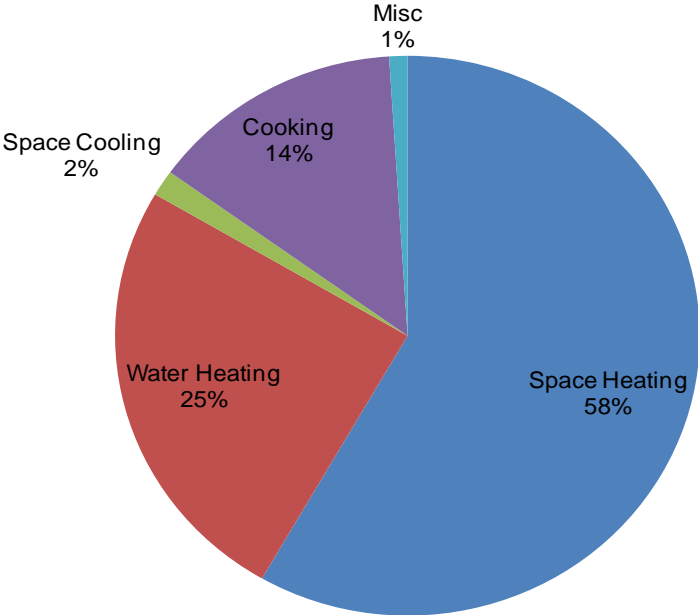


Natural Gas Consumption Breakdown Residential

1 – 4 units



5+ units



Space and water heating are predominant uses

How Do People In New York City Feel About Energy Efficiency?

Customer Attitude Study Results:

- Residential Interest: highest among condo/coop owners (49%) and 1-4 family homes (35%)
- Commercial Interest: 38% of commercial customers have high level of interest
- Factors driving interest:
 - Want to help the environment (32%)
 - Want to lower future bills (20%)
 - Want rebates/incentives (26%)
- Customer Expectations:
 - Participate in simple programs
 - Knowledge of cost savings, rebates, and payback
 - Individualized support from project start to finish

Con Edison's Energy Efficiency Programs

- Multi-Family Program
- Commercial programs
- Small Business Program
- Residential programs
- Oil to Gas Conversion

Multi-family Energy Efficiency Program

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Implementation Partner:

- The Association for Energy Affordability (AEA)
- 1-877-634-9443 or www.aeanyc.org/conedmultifamily

Typical Project Outline

- APPLICATION & ELIGIBILITY
- ENERGY SURVEY
- OWNER'S AGREEMENT
- MEASURE INSTALLATION
- POST-INSTALLATION INSPECTION
- INCENTIVE PAYMENT

Who is Eligible?

- 5 – 75 unit residential buildings
- Owners and property managers (including rent-controlled, rent-stabilized, market-rate rentals, co-ops, and condos)
- SBC paying Con Edison customer (electric and/or firm gas)
- No conflict with other SBC funded program (e.g. NYSERDA)

How do I Apply?

- Call center 1-877-634-9443
- Fill out or print online application
- Submit single building application Form 100-1a
- Submit portfolio building application Form 100-1b

How do I Schedule the Energy Survey?

- Assigned account manager will contact you
- Schedule a convenient time for Common Area and In-Unit survey
- Maximize tenant participation (residents fill out Form 200-2)
- Auditors will collect data on the following:
 - HVAC equipment
 - Lighting
 - Building Shell
 - Refrigerators

What do I Gain from the Survey?

- Free Direct Installs:
 - CFLs, smart strips, showerheads, faucet aerators.
- Survey Report containing:
 - Description of building conditions
 - Recommendations for energy efficiency upgrades
 - Scope of Work showing measure costs, savings, and Con Edison incentives

Sample Scope of Work

Energy Conservation Measure		Annual Electricity Savings		Annual Energy Savings (therms)	First Year Utility Savings (\$)	ConEd MFEEP Incentive (\$)	Estimated Measure Cost (\$)	Estimated Total Simple Payback (years)	Estimated Owner's Simple Payback (years)
		(kWh)	(kW)						
1	Interior Common Area Lighting: Fixtures	1,259	0.2	-	\$315	\$202	\$900	2.86	2.22
2	Interior Common Area Lighting: Occupancy Sensors	10,495	0.6	-	\$2,624	\$400	\$1,150	0.44	0.29
3	Energy Management System	-	-	851	\$1,191	\$7,788	\$11,125	9.34	2.80
4	Insulate Exposed Heating Pipes	-	-	204	\$286	\$340	\$544	1.90	0.71
5	Insulate Exposed DHW Pipes	-	-	57	\$80	\$225	\$375	4.70	1.88
5	Install Weatherstripping and Floor Sweeps	-	-	46	\$64	\$200	\$400	6.21	3.11
<i>Building Total:</i>		<i>11,754</i>	<i>0.8</i>	<i>1,158</i>	<i>\$4,560</i>	<i>\$9,155</i>	<i>\$14,494</i>	<i>3.18</i>	<i>1.17</i>

I Read my Survey Report, What Now?

- Select at least one measure from Scope of Work
- Sign Owner's Agreement Form 300-1
- Hire a contractor
- Have Con Edison help you coordinate funding from other programs (e.g. Weatherization)

How do I Know the Measures Were Installed Correctly?

- Contractors must be qualified participating professionals and supply warranties
- Con Edison will inspect during construction and post-construction
- Con Edison will help certify project completion with you and your contractors

I Completed the Project, How do I get Paid?

- Check that all completion documentation is submitted to your account manager
- Con Edison will send you incentive check and rebate check in 6 to 8 weeks

Commercial & Industrial Programs

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Implementation Partner:

- Lockheed Martin
- 1-877-797-6347 or www.coned.com/energyefficiency

Commercial & Industrial Rebate Program

- Eligible Customers are Gas and Electric Commercial & Industrial Customers that pay the System Benefits Charge
- Program offers prescriptive rebates for energy savings measures:
 - Lighting
 - HVAC efficiency improvements
 - Boiler upgrades
 - Efficient motor and Variable Speed Drive installations
- There are no dollar limits in the rebate program.

Commercial & Industrial Custom Program

- Eligible Customers:
 - Any Con Edison Commercial or Industrial customer that contributes pays the System Benefits Charge
- Overview:
 - Performance-based incentives for cost-effective high-efficiency gas and electric equipment not covered under the Rebate Program
 - Incentives are tiered, and are based on kwh or therm savings
 - Technical assistance for feasibility and cost-effectiveness for potential energy efficiency measure; Con Edison will share up to 50% (\$67,000 max) of the cost
 - Custom measure projects are capped at: 1) \$250,000 for electric projects and \$100,000 for gas projects

Customer Process

1. Complete Application and submit
2. Application and measures will be reviewed
3. If accepted, a commitment letter will be issued
4. Customer signs and returns commitment letter
5. A pre-installation inspection may be performed
6. Installation of measures; when complete – customer notifies Con Edison
7. A post-installation inspection may be performed
8. Customer submits copies of paid invoices and a W-9
9. Con Edison issues rebate check

Small Business Direct Install Program

Implementation Partner:

- Willdan
- 1-888-945-5326 or www.coned.com/energyefficiency/businessdirect.asp

SBDI Program Details

- Eligible Customers:
 - Average peak monthly demand less than 100 kW
 - Service Classification 2, 4 or 9 and pay the SBC
- Overview:
 - Receive free energy survey
 - Free measures up to \$100
 - Compact fluorescent lamps (CFLs)
 - Low-flow water aerators
 - High pressure rinse sprayers
 - Water heater thermostat setback control
 - Incentives up to 70% of installed cost or incremental installed cost of equipment
- Implementation Partner is Willdan
 - ~30 subcontractors throughout Con Edison service territory

Customer Process

- To schedule free survey call (1-888-945-5326) or visit www.coned.com/energyefficiency/businessdirect.asp
- Survey
 - Identifies free measures
 - Proposes additional installed measures – costs/payback period
- Customer Signs Work Order
- Contractor Installs Free Measures (during survey if possible)
- If the customer goes forward with survey recommendations:
 - Con Edison pays up to 70%
 - Customer pays 30% to contractor

Residential Programs

Implementation Partner:

- Honeywell
- 1-800-430-9505 or www.coned.com/energyefficiency

Programs: Direct Install, HVAC, Appliance Bounty, Room AC (closed until Spring '11)

- **Eligible Customers:**

Residential customers who live in 1- 4 family homes and pay the System Benefits Charge

- **Overview:**

- \$50 price for a Home Energy Survey
- Free energy-saving products (CFLs, smart strip, weather-strip)
- Up to \$1,000 in rebates for energy efficient HVAC upgrades
- \$30 rebate for purchasing Energy Star AC
- \$30 rebate when we pick up an old & working second refrigerator

Oil-to-Gas Conversion Programs

Residential Oil-to-Gas Heating Conversion Program

Eligible Customers

- Single (1-4 units) and multi-family (5-75 units)
- Customers must be service adequate
- The customer must utilize a Con Ed certified plumbing contractor for the 5-75 unit sector
- The customer must install eligible high efficiency gas-fired heating equipment

Available offers:

- Up to \$3,000 is available for customers in the 1-4 market sector (combined oil to gas and efficiency rebates)
- Up to \$52,500 is available for customers in the 5-75 market sector (combined oil to gas and efficiency rebates)

Customized Oil-to-Gas Incentive Program

- Eligible Customer typically burns significant amounts of oil annually - 12-24 months of oil consumption data needed for analysis
 - Firm: burn minimum of 4,000 therms annually
 - Interruptible: minimum of 8,000 therms annually Customers in this program sector typically burn significant amounts of oil annually
- Rebate amounts vary and are subject to availability

Web site <http://www.coned.com/sales/naturalgas/home.asp>

Email sales@coned.com

Call 1-800-643-1289

THE GREEN TEAM CONTACT SUMMARY

Green Team Call Center: 1-877-870-6118,

- Multi-Family Program
1-877-634-9443 or www.aeanyc.org/conedmultifamily
- Commercial programs
1-877-797-6347 or www.coned.com/energyefficiency
- Small Business – Direct Install
1-888-945-5326 or www.coned.com/energyefficiency/businessdirect.asp
- Residential programs
1-800-430-9505 or www.coned.com/energyefficiency
- Oil to Gas Conversion
1-800-643-1289 or www.coned.com/sales/naturalgas/home.asp

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