

Energy Impact Illinois

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Agenda

- Introductions
- Building Science
- Energy Impact Illinois
- Q&A

- What is Energy Impact Illinois?
 - A federally funded program designed to promote sustainability in the Chicago area
 - Offers financial assistance to homeowners for cost-effective home repairs



Through the Chicago Metropolitan Agency for Planning (CMAP), Chicagoland received **\$ 25 Million**

– Why?

- Chicagoland has many older homes which need to be updated
- The goal is to educate homeowners and kick-start demand for energy efficiency retrofits

– What is the funding specifically for?

- To make homes energy efficient through simple home improvements
- Air sealing and insulation

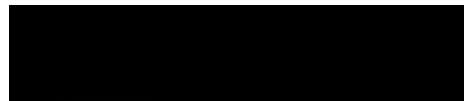
About EI2

ENERGY IMPACT ILLINOIS

- An alliance of government, utilities and non-profit groups dedicated to home energy efficiency.
- We are a third party advocate for YOU, the homeowner
- EI2 is a federally funded program that will be available to homeowners through May 2013.



Chicago Metropolitan
Agency for Planning



Retrofit Chicago partnership

- <https://www.youtube.com/watch?v=Q5Uwxjt-ZIA>

Building Science

- What is air sealing and insulation?
- How do these projects help save on energy?
- What tools do assessors use to analyze your home?

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Insulation

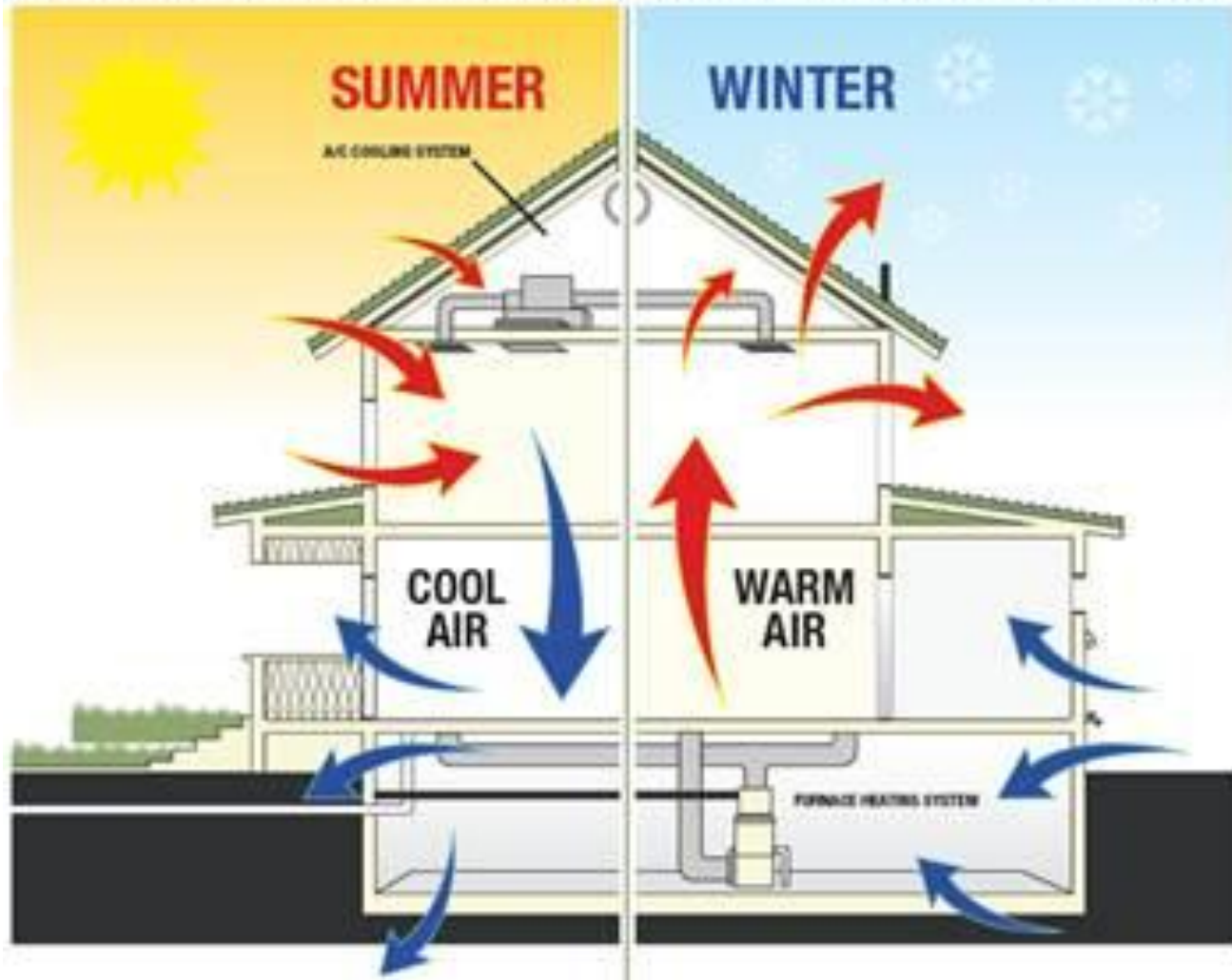
Air sealing



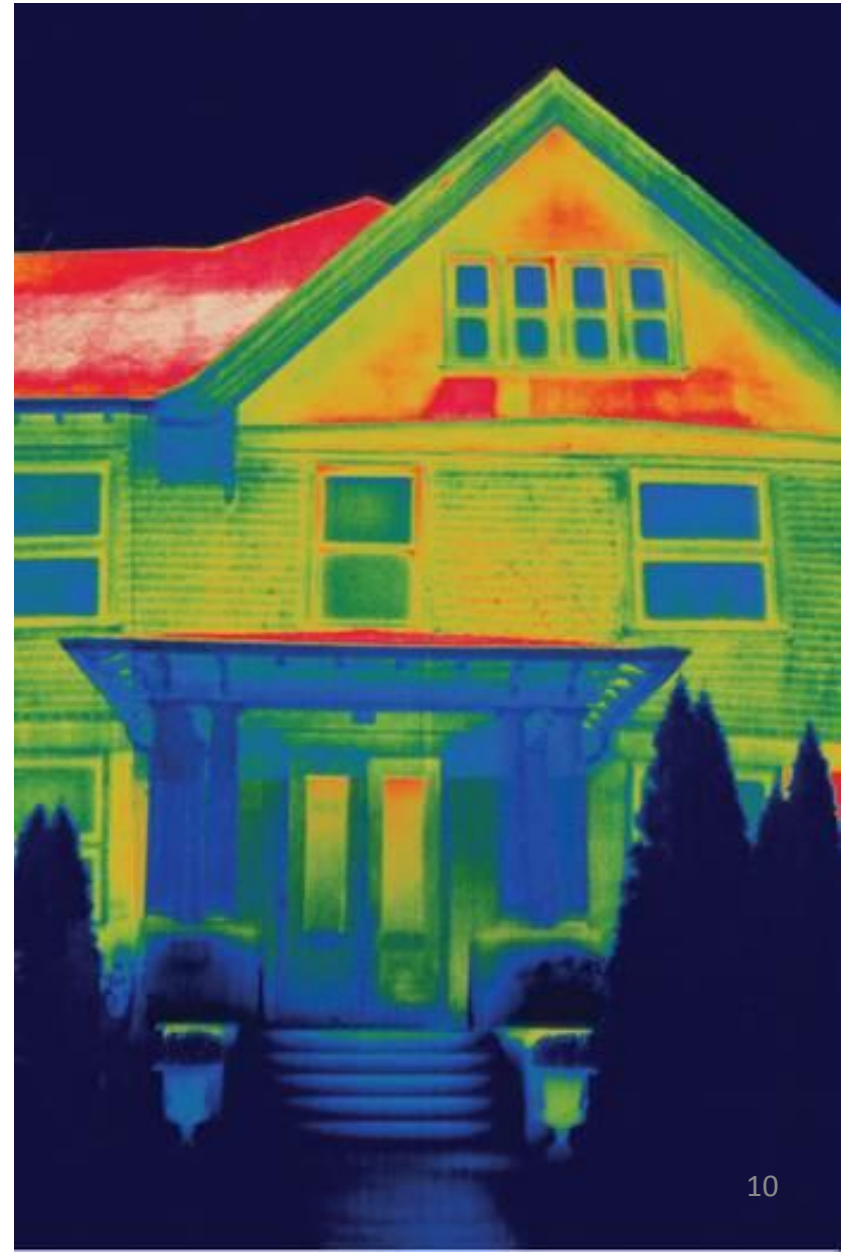
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Air leaks

SEASONAL AIR MOVEMENT THROUGH A HOME



Infrared camera



Ice Dam



What EI2 Offers

Program Details

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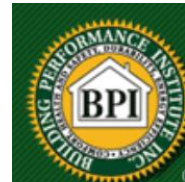
Who qualifies, what qualifies

- Who?
 - EI2 is available to homeowners of every income bracket. It is not income dependent.
- What?
 - Single Family Homes
 - Owners of 2-4 unit buildings



Work Force

- Trained and Certified
 - BPI certified (Envelop & Analyst)
 - Has business licenses and insurance
- Thoroughly reviewed by CNT Energy Experts
 - CNT Energy visits a contractor's completed jobs before admittance.
 - CNT Energy visits 5 first jobs, 4 of next 20, and 5% after that.
- Advocating for you
 - Energy Impact Illinois works to ensure that all contracting is satisfactory, but if there is a problem, homeowners should let us know.



Step 1: Energy Assessments

- Reduced cost assessments (\$99)
 - Blower door, thermal scan, smoke sticks
 - Health and safety check
- Free Assessment for Impact Party Hosts
 - Recruit 5-10 homeowners
 - About 4 hours total
 - 2 hours for assessment
 - 2 hours for Impact Party



Instant Rebates of 70% up to \$1,750 for air sealing and insulation

- Average cost of work = \$2000 - \$4000
 - For example: \$2500 total
 - Subtract \$1750 (max for the rebate)
 - Upfront cost = \$750
- Average annual savings = \$500 per year
- Rebates for high efficiency furnaces and boilers are also available

Loans

- Helps cover cost after the rebate is applied
- Interest covered by Energy Impact for 12 months then capped at 8% interest
- Loans can be used for windows, duct work, boiler and furnace replacement or Energy Star appliances



The Benefits

- A more comfortable home
- Save money (on average \$500 per year)
- Increased property value
- A reduced carbon footprint



IHP Certificate



Illinois Home
Performance

Silver Certificate of Completion

Home address:

2442 N Comfort Lane
Energysavers, IL 61234

Work performed by:

AAA Home Performance

Work verified by:

Energy Impact Illinois

Work completed on: 2/14/2012

Jonathan Feipel, Deputy Director
Illinois Energy Office

Home Energy Upgrade Improvement

- Air sealing performed in attic and basement, reducing total air leakage rate by 30%
- R-38 insulation added to interior attic floor and installed an insulated attic hatch
- R-11+ wall cavity insulation installed in conditioned basement
- Vented registered bathtub fan to the outside
- Removed exposed exterior cinder block and caulked where block meets foundation

Savings **35 %**
estimated total
energy use reduction

\$ 450/year
estimated energy
bill reduction



HOME PERFORMANCE WITH
ENERGY STAR

Certificate issued 2/27/2012 by the Midwest Energy
Efficiency Alliance on behalf of the Illinois Energy Office

www.IllinoisHomePerformance.org

#S-0X



Help your community improve its environmental impact and energy efficiency by spreading the word out about
Energy Impact Illinois:

Host an Energy Impact Party

Become a volunteer

Contact Information:

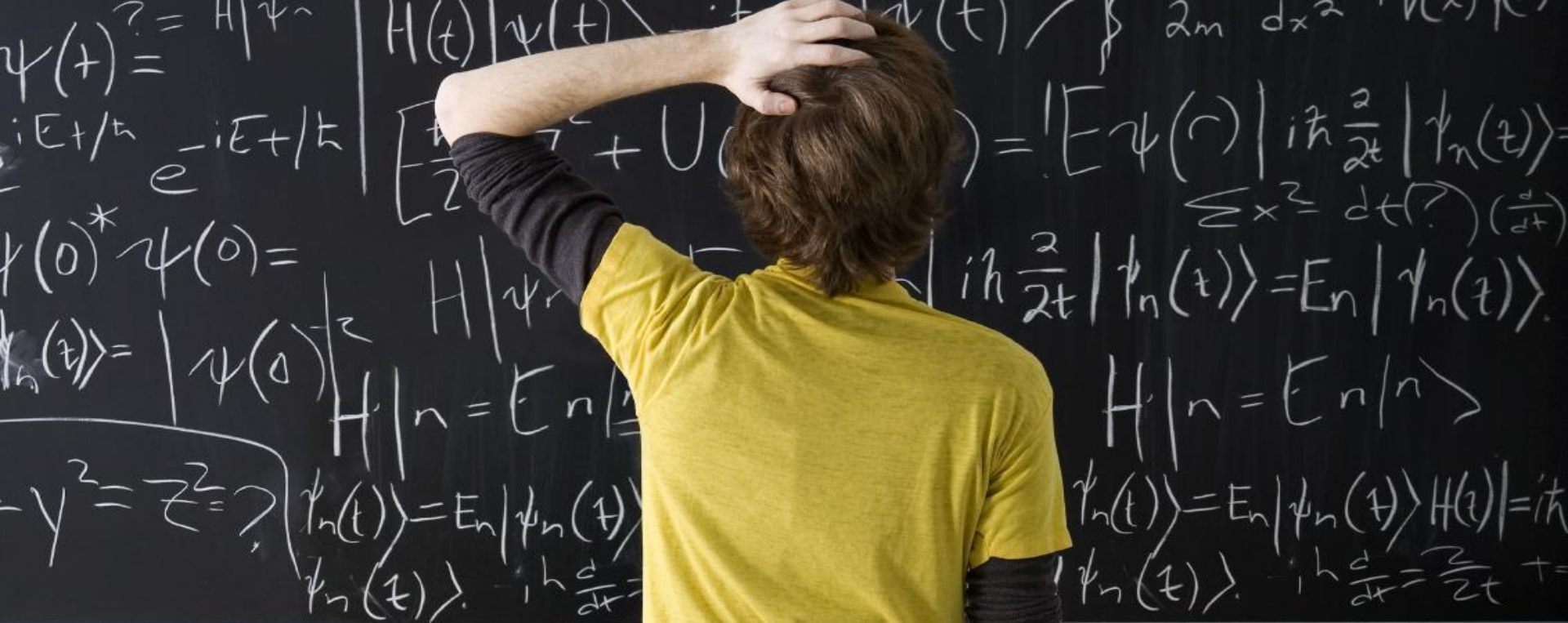
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Q&A