

weatherize  **DC**



**Weatherization:
Building Community, Saving Money,
Creating Jobs**

July 26, 2011

GCAAR Meeting

Today's Agenda

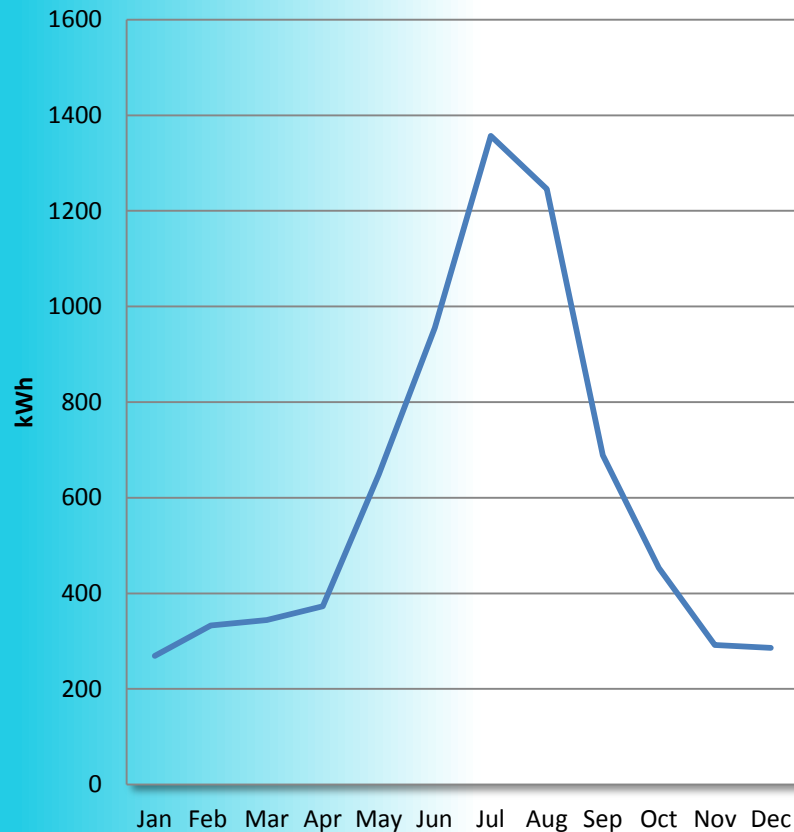
- Why Weatherization?
- Home Performance 101
- WeatherizeDC and Green Job Creation
- The Weatherization Pathway
- From a Realtors Perspective
- Collaborative Opportunities

Why weatherization?

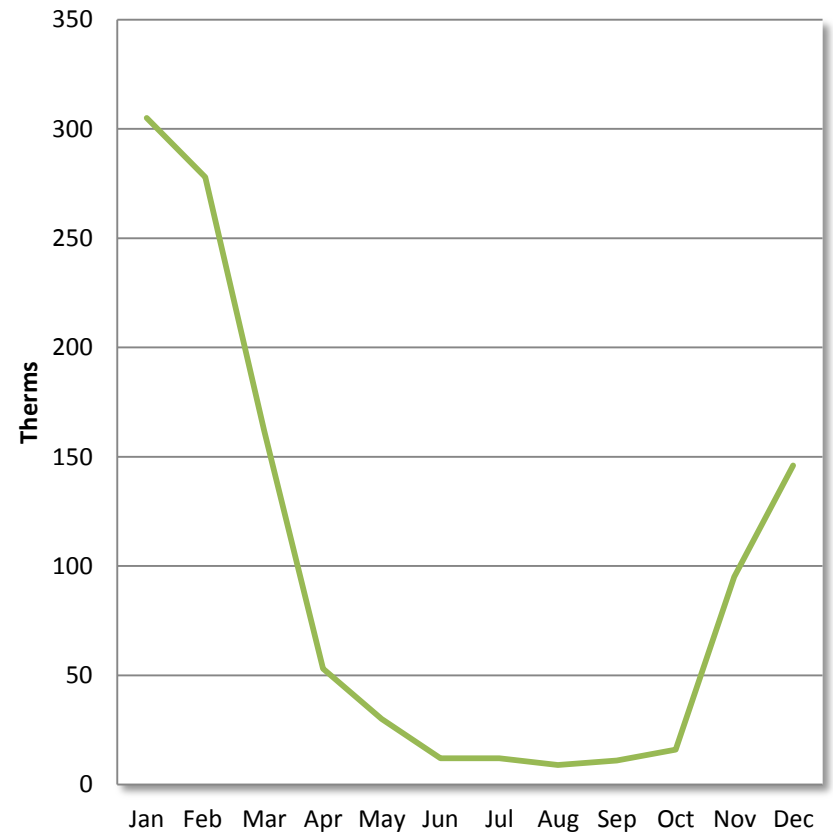
- Comfort in your home
- Save money, lower energy usage
- Environmental Responsibility
- Create Good, Local Green Jobs

Typical D.C. House Annual Energy Consumption

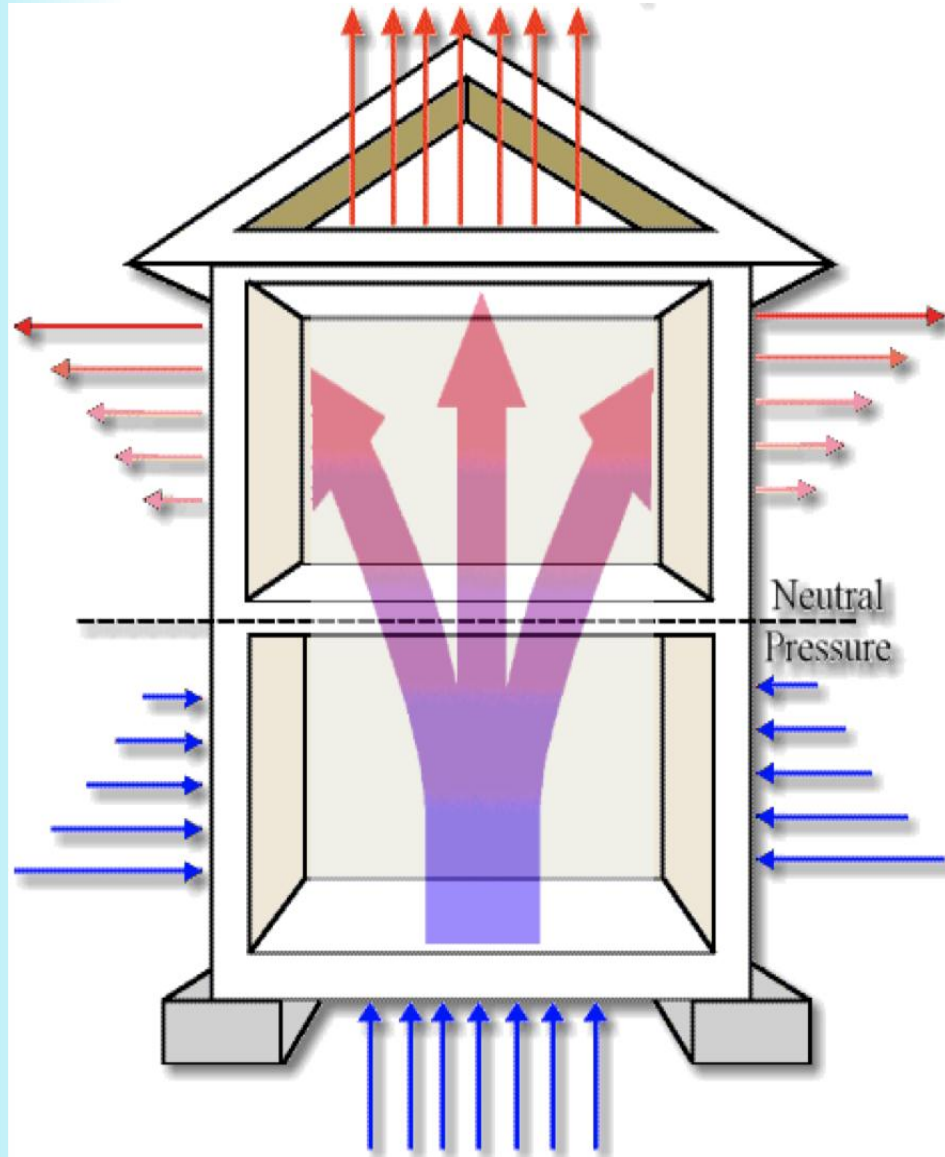
ELECTRIC





GAS

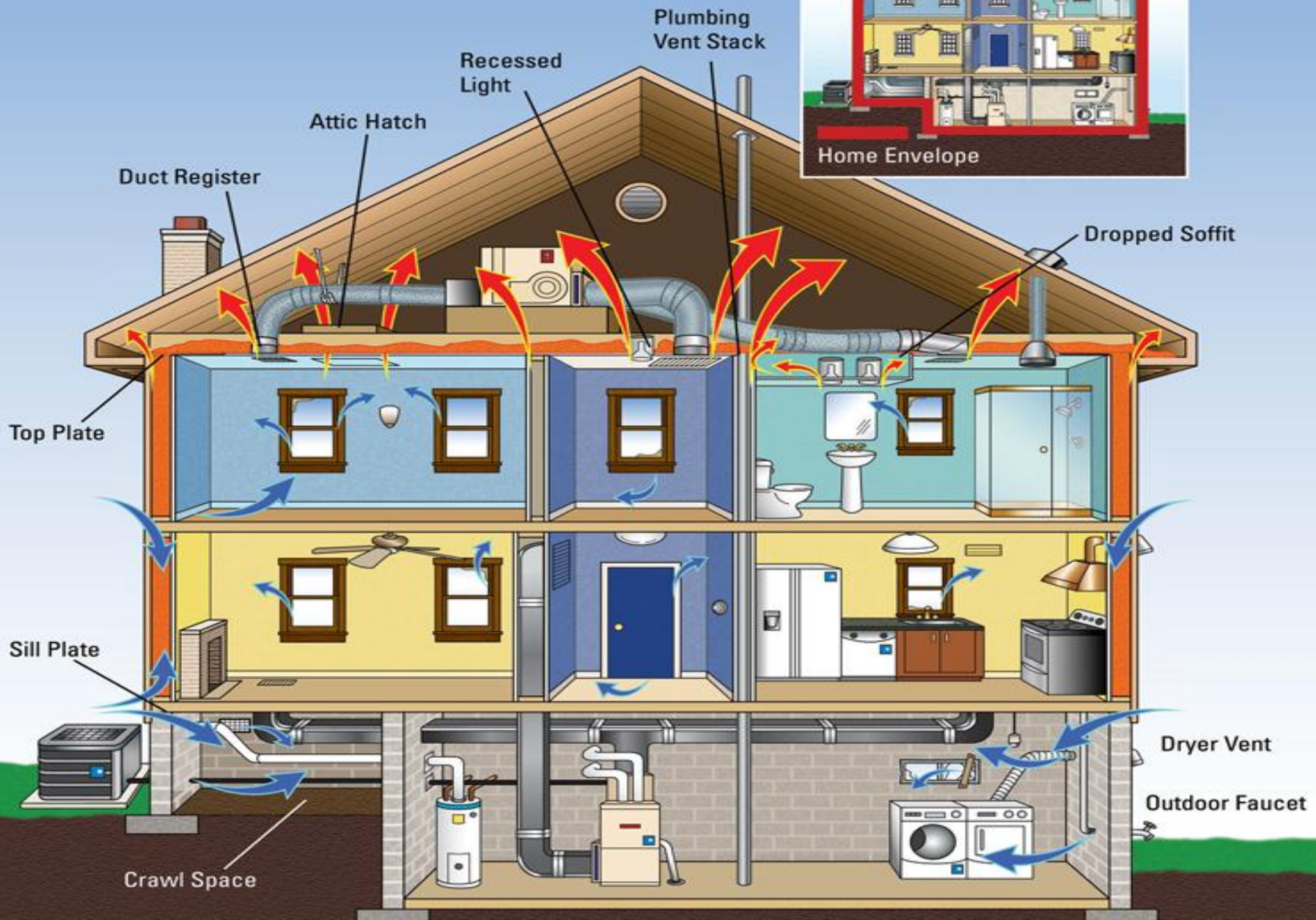


Home Performance 101: The Stack Effect



COMMON AIR LEAKS

-  Air Leaking into the house
-  Air Leaking out of the house

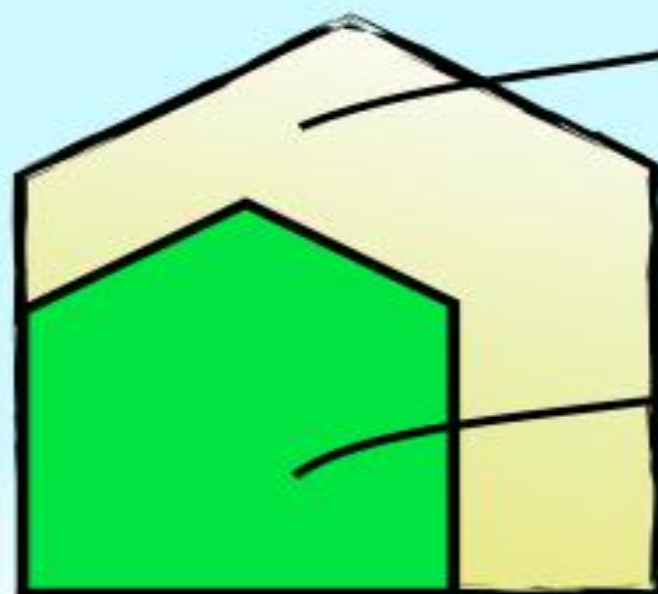


Improvement Opportunities

- 1 Low Insulation Levels
- 2 Duct Leakage
- 3 Inefficient Heat Pump
- 4 Incandescent Bulbs
- 5 Inefficient Appliances
- 6 Gas Tank Water Heater
- 7 Inefficient Furnace
- 8 Combustion Safety
- 9 Inefficient A/C
- 10 Duct Disconnect



HOME ENERGY USE (ANNUAL)



BEFORE WEATHERIZATION

1.55 ENERGY (therms)
60 CO₂ (tons)
\$3,795 ENERGY BILLS

AFTER WEATHERIZATION

1.08 ENERGY (therms)
42 CO₂ (tons)
\$2,646 ENERGY BILLS

SAVINGS = **.47 ENERGY (therms)**
 18 CO₂ (tons)
 \$1,150 ENERGY BILLS

FIGURES BASED ON AVERAGE SINGLE FAMILY HOUSE IN WASHINGTON D.C. ACHIEVING 30% ENERGY REDUCTION: <http://hesw1.lbl.gov>

Why DC?

- District Poverty Rate = 18.9%
 - Wards 7 & 8 = 27%
- District Unemployment Rate = 11.9%
 - Wards 7 & 8 = 25%
- Homes = 24% of District CO₂ Emissions

WeatherizeDC



Mission: Connect & empower communities to secure a sustainable future shared by all

WeatherizeDC Focus

- Increase consumer demand for **home energy efficiency improvements**
- Tie consumer investment to **job creation**
- Ensure **quality & advocate** for homeowners



Worker Spotlight: Natasha Muniz

“With the knowledge, skills and abilities I learned in two training programs, I was ready to start my career in the field, but needed someone to give me the opportunity to do so.”



Natasha Muniz is a Building Performance Specialist

Michael Fennell with Van Jones at Power Shift 2011



Green Jobs for people who need them most

- WeatherizeDC target population: 18 years old & one or more of the following
 - Income at or below 200% of the poverty line
 - Custodial single parent
 - Receives public assistance
 - Women
 - Chronically unemployed

WeatherizeDC, Green Economy and Equity

- Developing a jobs pathway where continued training, education, and certification must be provided
- Employee sponsored benefits
 - Healthcare
 - Disability insurance
 - Paid vacation
 - Retirement
- Family sustaining wages

Quality Assurance



Quality Assurance

- **Contractor Screening:** Businesses pass rigorous screening process
- **Competitive pricing:** Ensure fair pricing on estimates
- **Excellent Service Delivery:** high-quality experience for homeowners



Efficiency Job Creation Model



WeatherizeDC

Weatherization Pathway

1. Whole Home Energy Audit
2. Audit Report, or Audit Review and Recommendations
3. Estimates and Customer Advocacy
4. Weatherization
5. Energy Savings & Good, Local Green Job Creation!

Will you help build the equitable clean-energy economy?

- Sign up on list going around
- Weatherize Your Home
- Host a Home Energy Meeting
- Lead Neighborhood Weatherization Project

WeatherizeDC.org

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From a Realtors Perspective

- \$1 decrease in annual utility bills, increases home value by \$20¹
- Weatherization protects & improves home
- Comfort + lower cost= happier tenants
- Good, green jobs & housing market
- [DOE Home Energy Score](#)

¹More Evidence of Rational Market Values for Home Energy Efficiency. The Appraisal Institute, 1999.

Collaborative Opportunities

- Hosting Home Energy Meetings
- Neighborhood Weatherization Projects
- Volunteering
- Green Leases
- PIT Pilot (MultiFamily Buildings)