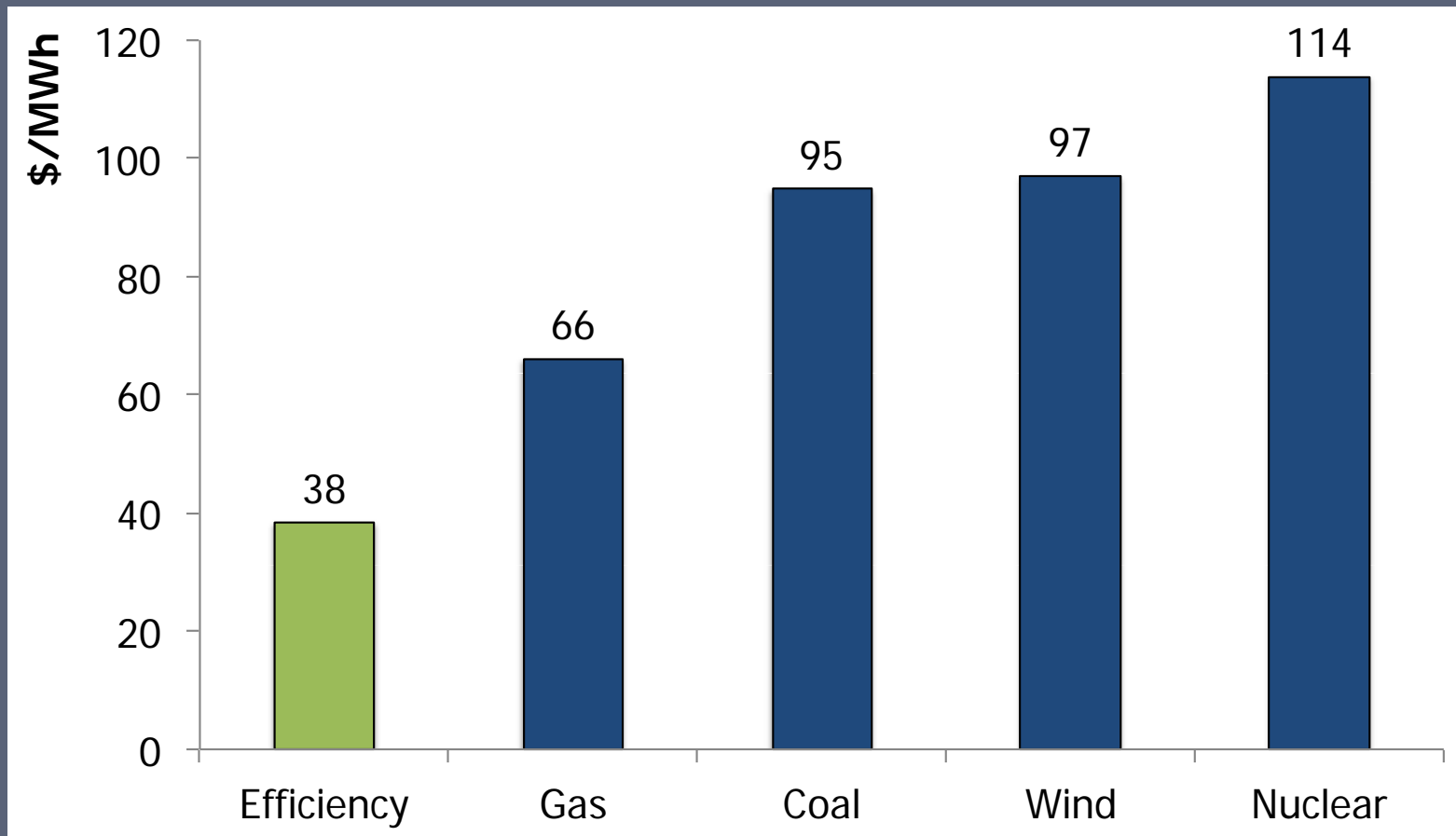




THE BIG PICTURE

MWCOG – 9/20/2012

Relative cost of energy resources*



* Source: U.S. EIA, Annual Energy Outlook and Form EIA-861

Energy Efficiency is Lowest Cost Energy Resource



Power Plant Inner Workings



Power Plant Inner Workings



Charlottesville Area Power Plant



NOVA Area Power Plant



A bright idea
THAT COULD WIN YOU A
\$10,000
HOME ENERGY MAKEOVER!



\$10,000
GRAND PRIZE MAKEOVER

\$5,000
SECOND PRIZE MAKEOVER

\$3,000
THIRD PRIZE MAKEOVER

NOVA Contest : www.novaenergycontest.com

20%
gain



Home Performance with ENERGY STAR® Summary of Energy Improvements Performed



Home Address:

John Q. Public
100 Main Street
Charlottesville, VA 22901

Work Performed by:
A PLUS Insulation Company

Work Verified by:
The Best Energy Auditor

Work Completed on:
January 31 2011


Cynthia Adams

Executive Director

Home Performance Improvements:

*Accessed all kneewall areas & foamed 6" open cell foam and installed passive grates

*Main attic-foamed entire roof deck with 6" open cell foam

*Insulated basement floor to an R30 with fiberglass batts

*Installed humidistat in attic to monitor moisture

*Insulated all hot piping runs off DHW tank

*Insulated rim joist with open 3" open cell foam

Home Performance Results Achieved:

All attic areas were addressed and reconfigured spaces brought duct work into conditioned areas. Entire floor area was insulated. Stratification issues improved.

Environmental Impact of Improvements:

Fuel usage and emissions reduced by treating entire attic and floor areas.



HOME PERFORMANCE WITH
ENERGY STAR

Home Performance with ENERGY STAR® offers a comprehensive, whole-house approach to home improvement that results in better energy efficiency, greater comfort, and lower energy bills.

ENERGY STAR is a voluntary partnership sponsored by the U.S. EPA and U.S. DOE to protect the environment through superior energy efficiency.

Home Performance with ENERGY STAR

Guidelines for Work Performed

- **Any door hatch or access that can't be properly sealed and insulated should be repaired, replaced or reconfigured.**
- Attic hatches should be weather stripped to be air tight and insulated
- Insulation should be permanently attached, and clean sides covered with foil
- Pull down stairs should be weathered stripped and covered with a box retrofitted with a prefabricated off shelf unit.
- Doors should be weather stripped, have sweeps, close securely and be a complete pressure/thermal boundary.
- Attic accesses should be weather and vermin proof.
- Knee wall doors and hatches should be air tight and open easily if accessed with 2" RFI to an R 14 or something equivalent. Insulation should be secured and covered with foil skim tape.
- Crawlspace hatch in wet areas should be constructed out of pressure treated wood with Styrofoam on back side for an R 10.
- Floor hatches should fit securely, be air tight, and have 2-3" of RFI on top and foil skim tape.
- Crawlspaces accesses should easily open, should be secured, and be weathered treated wood if a persistent moisture condition exists.

LEAP Home Performance with ENERGY STAR Guidelines v.2

Required Standards, Best Practices, and Program Information for Participating Contractors



Steps in the HPwES Program

- Online energy profile (enroll)
- In home assessment (test in)
- Energy improvements
- Test out/Quality Assurance check
- Certificate mailed when improvements provide 20% or more savings



Advantages for Homeowner

- Pre-qualified contractors
- Energy plan – what to do, when
- Online support – LEAP's My Project page
- Low interest financing
- Bundling of rebates
- Unbiased help/peace of mind
- HPwES Certificate

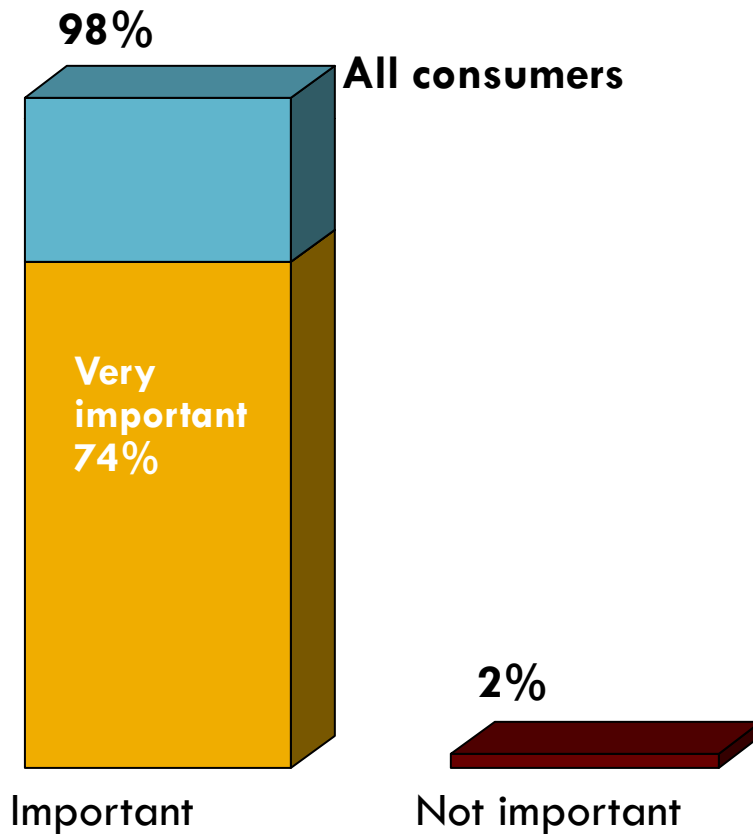




Happy Homeowners

Most Virginians say that saving energy is very important.

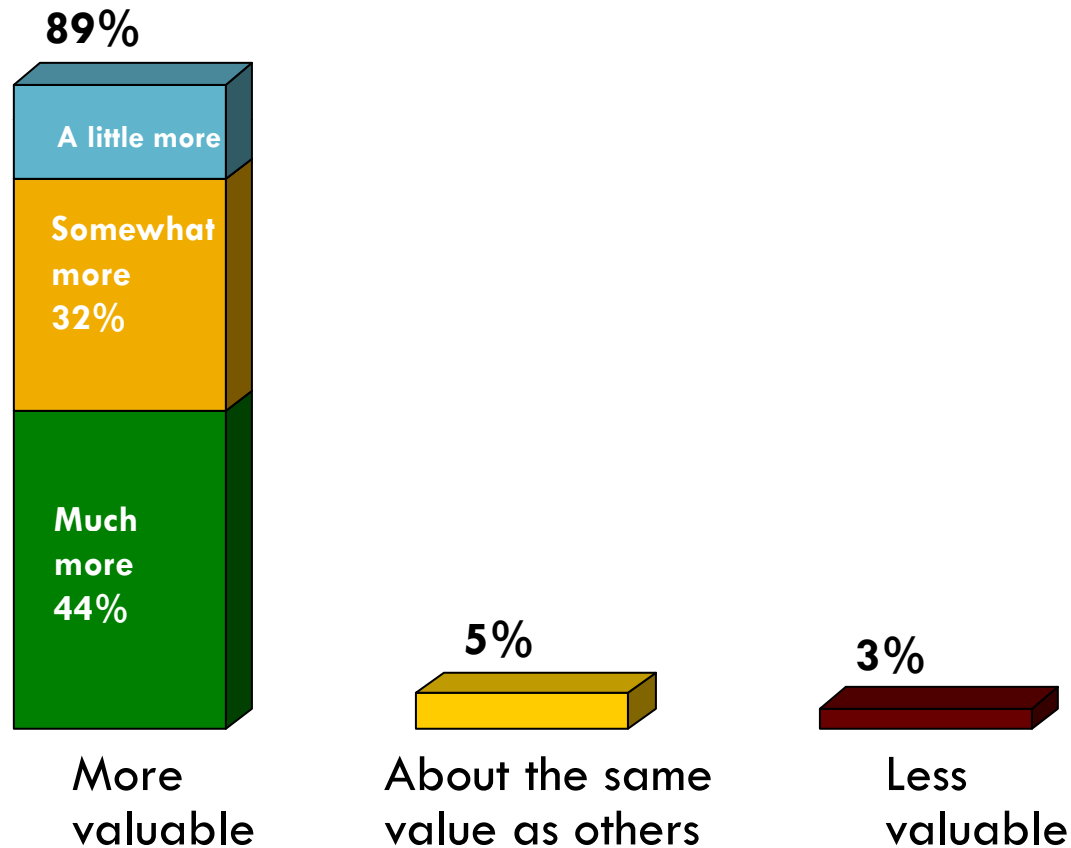
Is saving energy important to you? If so, how important is it?



Very Important	
Men	69%
Women	79%
DC suburbs	70%
Richmond	79%
Tidewater	72%
Roanoke/Lynchburg	84%

Virginians view energy efficient homes as more valuable.

If I were in the market for a new home and found a home that had been upgraded to use energy more efficiently and use less electricity, I would see this home as:



NOVA Commercial Program:

- SEP grant funded through VA DMME
- NVRC led – partners include MD state energy office, LEAP, Clean Energy Solutions, Institute for Market Transformation, Catalyst Financial Group, Chesapeake Crescent Initiative, and the Virginia Energy Efficiency Council
- Focus on policies, best practices, and pilot initiatives



□ **Mission**

To promote policies, programs, and technologies that expand investment in energy efficiency, our most affordable domestic energy resource, to create sustainable jobs, support long-term economic growth, and help deliver stable, reliable, and reasonably priced energy to residents and businesses in the Commonwealth.

□ **Purpose**

The purpose of the VA Energy Efficiency Council is to:

- Engage stakeholders to identify barriers and opportunities to energy efficiency as a resource in Virginia;
- Develop a strong, fact-based and balanced industry voice before local, state and national policymakers and regulators;
- Inform our members of events, legislation and regulation at the local, state and national level that affects their businesses;
- Provide networking, outreach, and business services for our state's energy efficiency industry.



Jobs Today, Tomorrow, Next Week



HOME ENERGY MEDICS



What LEAP Brings:

- Value-added Corporate Culture
- The Right Programs
- Training for Contractors
- Innovative Marketing Partnerships
- IT platform



The Power Plant of the Present





cynthia@leap-va.org