Weatherization: Foundation of the U.S. Energy Efficiency Market
Weatherization from the Past

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Weatherization Now!
Weatherization sets the BAR!

Weatherization set the standard for the residential energy efficiency retrofit and home performance industry by developing:

Guidelines for Home Energy Professionals
The Core 4

- Standard Work Specifications
- Job Task Analysis
- Worker Certification
- Accredited Training Centers
Standard Work Specifications (SWS)

**Defining the Work**

-The Standard Work Specifications (SWS) define the minimum acceptable outcomes for any weatherization or home performance task to be effective, durable, and safe.
Job Task Analysis (JTA’s)

Validate the Training

- The JTAs for the four major energy upgrade job classifications define what a worker needs to know and do.

The four job classifications are:

- Retrofit Installer Technician
  - Crew Leader
  - Energy Auditor
  - Quality Control Inspector
Certify the Worker

- The Certification Blueprints synthesize the content of the SWS and the JTAs and lay out a road map for robust worker certifications.

- Nationally Recognized Industry Credentials that are Portable and Transferable Between the Public and Private Sectors.
Home Energy Professional Career Ladder

- Retrofit Installer Tech
- Crew Leader
- Energy Auditor
- Quality Control Inspector

Retrofit Installer Tech -> Crew Leader -> Energy Auditor -> Quality Control Inspector
National Accreditation of Weatherization Training Centers

- Drive consistency across the country
- Raise the bar nationally for quality training and retrofits
Proven Results

WEATHERIZATION FUNDING

10% Administrative Costs
15% Health & Safety Costs
55% Program Operations Costs
20% Training & Technical Assistance Costs

$4,695 Average Weatherization Cost Per Unit

8,500 Jobs Supported

$264 Annual Energy Cost Savings
18% Annual Heating Consumption Savings
7% Annual Electric Consumption Savings

For Every

$1.00 Invested in Weatherization
$1.72 Energy Related Benefits
$4.50 Is Generated in Energy & Non-Energy Benefits
Proven Results – High ROI

$4.50 IS GENERATED IN ENERGY & NON-ENERGY BENEFITS PER $1 INVESTED

- Improved IAQ
- CO Poisoning
- Increased Quality of Life
- Energy Savings
- Local Green Jobs
- Local Economic Development
- Impact on Environment

Delivered through a Trusted, Trained, Credentialed National network to the Highest Quality Standards!

- Health
- Safety
- Energy Savings
- Local Green Jobs
- Impact on Environment

- Improved IAQ
- Asthma
- Hypothermia
- Skin/Eyes Irritation
- Less Sick Days
- Less Doctor/ER Visits
- CO Poisoning
- Fires
- Electrocutions
- Thermal Comfort
- Time at Home
- Family Life
- Indoor Air Quality
- Average Savings $264/year
- 8,500 Direct Local Jobs
- 100,000 Indirect Jobs
- Local Jobs
- Community Reinvestment
- Savings equivalent to 24.1M barrels of oil annually
- Prevents emission of 18.5M+ tons of CO2 annually

$4.50 IS GENERATED IN ENERGY & NON-ENERGY BENEFITS PER $1 INVESTED
Leveraging

WASHINGTON GAS

COLUMBIA GAS of VIRGINIA

APPALACHIAN POWER

ODEC

DOMINION ENERGY

Old Dominion Electric Cooperative

VIRGINIA NATURAL GAS

2009 $0.00

2013 $1M

2019 $10M

EE Pilots

EE Programs

2021 $50M?

EE & Renewables Programs
My Why Picture!  What’s Yours?