

August 2006



Residential Update

Office of Energy Efficiency

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Weatherization TODAY... (but what about TOMORROW?)

submitted by Tom Andrews, OEE

During recent event planning meetings, an issue has continually been raised that currently does not have an adequate solution to address it. That issue is: How do we, the existing Weatherization Network, get younger people involved, interested and excited about the work we do? This major issue has two very important components, similar to the horns of a bull. The problem is that to only address one without knowing how to handle the other can still get you hurt.

So what are the two very important components of this bull's horns? First, the majority of the current Weatherization Network is getting older. More individuals are receiving 25 and 30-year achievement pins. Age has a knack of causing the body to ache a little longer; knees seem to get sore quicker and the blower door fan gets a little heavier. Age affects us all. How will we prepare younger people to perform these duties, to be the future crew leaders, installers and technicians? Because, as it has been stated in the past, it takes a special type of individual with a passion for the work they are doing, to work in the cold of winter or the heat of summer or to crawl into a space that no one has been into for years. The low-income population being served still very much needs our services, but will there be adequate staff to provide them in five or 10 years?

What "marketing" approach do we need to develop to reach out and get young people started in this career path, which is more than just weatherization? It actually involves home performance inspectors and contractors, home energy raters, renewable energy, "green" builders, trainers and consumer educators.

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Correction: In the March 2006 Issue of the Residential Update, the wrong funding source for the Residential Renewable Projects Grant Program was listed. Please accept our apologies for this error.

Funding for the Renewable Grants comes from the Energy Loan Fund (ELF) that is financed by a rider on the electric utility bills of customers of the four investor-owned utility companies. The investor-owned utilities include: American Electric Power and subsidiaries, First Energy and subsidiaries, Cinergy, and Dayton Power & Light.

Weatherization TODAY...

(continued)

The second equally important component is the loss of advocates. Not only are some current staff taking the opportunity to retire, but, sadly, we are also losing dedicated and trailblazing leaders. In the last couple of years, Ohio has lost some strong advocates for the low-income population, most recently with the passing of Bob (Bubba) Pitts. Who will step forward and be the new “torch-bearers”, to spread the word of the great work being done within the weatherization network and the need to continue funding these much needed activities? Many “advocates” became excited about assisting the low-income population due to initiatives of the Johnson presidency, such as the “Great Society” some 40 years ago. While others worked for changes in energy efficiency due to the oil embargoes affecting the country 30 years ago during the Carter administration (30 some years ago). Still others got involved with the movement of utility company participation in low-income weatherization (20 some years ago). What important issue in the minds of people today will get them engaged in spreading the message of the great weatherization work being done and of the need to continue funding low-income programs? Where will we find individuals who will step up and continue the advocacy?

The symbolism of the horns of a bull was used to show that neither of these two components can be dealt with separately. Addressing the need to get “new blood” into the work force can be an exercise in futility if those new workers will be laid off in a couple years due to lack of funding. Yet, having advocates promoting the work being done for the low-income population and not having an adequate work force to perform the necessary work can cause the weatherization network to look bad to policy makers. As the old saying goes “Let’s grab the bull by the horns” and begin looking at options to address this issue.

PY’05 OVERALLS / Air Leakage Reduction Results

submitted by Dennis Biddle, OEE

Ohio
Variable
End
Results
Air
Leakage
Level
Scale

The individual agency air leakage reduction results for PY’05 have been compiled, and for the fourth consecutive year statewide progress at meeting the OVERALLS Target Reduction Goals has been made.

Sixty percent of the homes weatherized in PY’05 were OVERALLS applicable homes (2,750 CFM50 or higher PRE blower door reading). Ohio’s HWAP providers were successful at meeting the OVERALLS goal on 61% of these homes (up from 58% in PY’04).

Improvement was also seen as the number of providers with individual success rates in the 80%-to-100% range rose from 12 to 13, and from 14 to 19 in the 60%-to-79% range (PY’04 to PY’05).

Since WPS 302-1.1a directs providers to “Continue to locate and seal air leakage sites until the target reduction goal is met or surpassed” (unless a valid technical reason that prevents this from happening exists), staff that perform air-sealing measures should be guided to do the following:

- First, the Initial Inspector must define the building envelope properly (air barrier and thermal barrier), determining which areas of the home are *inside* and which areas are *outside*;

PY'05 OVERALLS / Air Leakage Reduction Results

(continued)

- Next, using the blower door and a smoke bottle, the Initial Inspector should identify specific air leakage sites and call for their cost effective sealing (if applicable, Zone Pressure Testing can also be done)
- If sidewall insulation is to be installed, now is the time to do so
- Air sealing can now take place; Zone Pressure Testing should be used to verify its effectiveness
- Before turning the job over to the Final Inspector, the crew/contractor should ensure that (unless a documented valid technical reason exists) it has met/surpassed the applicable OVERALLS Target Reduction Goal
- The Final Inspector must ensure that cost effective air sealing has taken place and that the Target Goal has been reached (unless a valid technical reason prevents this from happening)

In order to make their jobs easier and more effective, the Inspectors and technicians **must use** the tools they have at their disposal: blower door, smoke bottles, and Zone Pressure Testing. As always, the OWTC and OEE staff stand ready to assist agencies by improving the quality of their services.

PY'05 OVERALLS Standings

<u>Agency</u>	<u>Pass %</u>	<u>Agency</u>	<u>Pass %</u>
105 - CLS	97%	129 - Stark	62%
121 - Lorain	93%	133H - Ironton Lawrence	60%
126 - WSOS	89%	133O - Scioto	60%
133D - Gallia Meigs	89%	103 - SOURCES	58%
111C - Cudell	89%	133N - Ross	58%
133E - GMN	88%	139 - EANDC	56%
134 - Miami	87%	111K - Detroit Shoreway	56%
108 - Clinton Clark	86%	133G - Highland	55%
116 - Lancaster Fairfield	84%	143 - Columbus LEADS	55%
102 - Ashtabula	82%	136 - Van Wert	55%
133B - HAP CAP	82%	111B - CHN	53%
127 - PICCA	82%	117 - Fayette	52%
133C - Belmont	80%	130 - Summit	51%
133F - HarCaTus	78%	123 - MYCAP	46%
142 - WSOS/Erie Huron	78%	131 - Trumbull	44%
138 - GLS	76%	111J - Fairfax	43%
133I - Jackson Vinton	75%	109 - Cuyahoga	41%
133J - Jefferson	75%	112A - CAP Dayton	39%
133K - KnoHoCo	75%	111D - Lutheran Housing	34%
133L - Muskingum	74%	112D - Warren Co. Comm. Svcs.	31%
114 - DMU	73%	140 - MORPC	28%
120 - LEADS	72%	110 - Ohio Heartland	26%
137 - Clermont	70%	113 - NOCAC	24%
132 - Wayne Medina	68%	125 - MRM	24%
133P - Washington Morgan	67%	133A - Adams Brown	21%
133R - Columbiana	67%	111G - Mt. Pleasant NOW	19%
119 - HHWP	65%	107 - Cincinnati	11%
133M - Pike	63%	128 - Portage	N/A
122 - NHS Toledo	62%		

EPP Tips and Ideas

submitted by Scott Kashuba, OEE



When installing a compact fluorescent lamp (CFL) how do you handle the lamp?

Do you install it by holding on to the base or
Do you install it by handling the glass tube?

You may be asking yourself, “What is the difference as long as it gets installed?”. However, the correct answer is: Install it by holding onto the base. Below is a photo of a catastrophic CFL failure that was installed in the fixture by handling the glass tube.

CFL manufacturers warn against installing a lamp by holding onto the glass tube. Installing in this manner may cause micro-cracks in the tube resulting in premature failure of the CFL.

In some instances, installing a CFL in certain fixtures by handling the base may be difficult. One example would be a ceiling fan with four or five lights. Typically, the shades are too small to hold the CFL by the base and fit your hand into the fixture. This may necessitate purchasing a “globe” type CFL. The globe type fixture may be handled during the installation process.



For additional information, please contact your CFL manufacturer.

Columbus LEADS Heats the Town

submitted by Pat Williams, Columbus LEADS

Columbus LEADS Weatherization is working with the Air Conditioning Contractors of America (furnace contractors) for the next *Heat the Town Columbus* event . This annual event is scheduled to take place on September 30, 2006 at Battelle, which is located at 505 King Avenue, in Columbus. Columbus LEADS will work with Senior Options, the Veterans Administration and many other service agencies to locate eligible residents. Approximately 200 Franklin County residents will receive services at no charge.

While there is no defined income criteria, residents must be low- income or on a fixed low- to moderate-income and be a homeowner. Unfortunately, mobile homes cannot be served. A waiver must be signed for insurance purposes. The work includes: clean and tune, minor repairs, and CO testing throughout the dwelling. Last year, there were about 80-90 volunteer service techs who participated in this effort. Many community action programs throughout Ohio as well as other states are getting involved and will be offering the same services on the same day.

This event is sponsored by WCMH TV Channel 4 and many others. Carr Supply and Grainger Supply are some of the vendors who will be donating supplies and needed parts.

OWTC SUMMER TRAINING SCHEDULE August thru October

Below is the COAD OWTC Training Schedule for August, September and October. When registering for a course, please be sure to register online using the new online registration website at www.coadinc.org.



If you have any questions about the courses offered, please contact Niki Morris at (740) 594-8499.

August

August 21-25	HUI (Heating Unit Inspection) WEEK 1
August 29-30	CEE (Consumer Energy Education)
August 31 - September 1	EBM (Electric Baseload Measurement)

September

September 6	MANJ (Short Form Manual J)
September 6-7	OFMR (Oil Furnace Maintenance and Repair)
September 6-7	MHWX (Mobile Home Weatherization)
September 7	LSWX (Lead Safe Weatherization)
September 12	Lead Risk Assessor Refresher
September 12-15	HUI (Heating Unit Inspection) WEEK 2
September 13	Lead-Safe Renovation and Remodeling
September 19-21	HD (House Diagnostics)
September 19-22	HHSE (House and Heating System Electricity)
September 26-29	INSR (Inspector Refresher)
September 27-28	MHWX (Mobile Home Weatherization)

October

October 3-6	IINS (Initial Inspection)
October 3-6	WXST (Weatherization Skills and Theory)
October 6-11	CEE (Consumer Energy Education)
October 12-13	EBM (Electric Baseload Measurement)
October 13	BPI (Building Performance Institute)
October 16-20	Lead Inspector/Risk Assessor
October 17-18	NEAT (National Energy Audit Tool)
October 19	MHEA (Mobile Home Energy Audit)
October 24-25	BDU (Blower Door Use)**
October 24-26	GFMR (Gas Furnace Maintenance & Repair)
October 26-27	DTS (Duct Testing & Sealing)**
October 31-November 3	FINS (Final Inspection)

***These will be regional sessions*



A Tribute to Bob “Bubba” Pitts

For 30 years, Bob Pitts, known as “Bubba” to his many friends and co-workers, was the heart and soul of the Corporation for Ohio Appalachian Development (COAD). Hired in 1976 to operate the organization’s energy office, he became the author and architect of many energy conservation programs statewide and helped draft the state’s first weatherization standards. Known to many as a tireless advocate for the poor, Bob never hesitated to speak out about what made sense when it came to fair and equitable distribution of resources to low-income families who resided in the Appalachian foothills he so loved and cherished.

A native of Pike County, he learned the value of community action through his work at the Community Action Committee of Pike County and the Jefferson County Community Action Council.

Through Bob’s leadership, COAD leveraged and invested over \$188 million in energy conservation programs that weatherized over 72,000 low-income homes throughout Appalachia Ohio. In 1987 Bob helped design the WarmChoice Program with Columbia Gas of Ohio and in 1990 he was instrumental in getting COAD approved as the official Ohio Weatherization Training Center. Today it is regarded as one of the premier Weatherization Training Centers in the United States and draws students from states throughout the country. He created the Targeted Energy Efficiency (TEE) Program in cooperation with American Electric Power in 1992 and helped shape Ohio’s Universal Service Fund/Electric Partnership Program when electric deregulation was adopted by the Ohio General Assembly.

As COAD’s Deputy Director, Bob expanded his responsibility and relished his opportunity to influence a variety of services and activities that impacted the entire organization. He was a huge part of COAD’s success and he leaves a monumental legacy.

An avid golfer and rabid fan of the Cleveland Browns and Ohio State Buckeyes, a lover of jazz, blues and rock music, always searching for the best pit barbeque and hot sauce, a free spirit whose cutting humor and sarcasm was the stuff of legends, his legion of friends were fiercely loyal to him.

He was loved and admired, respected and revered. Bob is survived by his beloved wife of 38 years, Susan, son Keith and daughter-in-law Amy, and his cherished grandson Christopher.

He will be greatly missed by all who knew him.

Upcoming Events

OEE Inspector Orientation Course

September 8, 2006

WSOS - Green Springs, Ohio

OEE Inspector Orientation Course

December 8, 2006

Location: TBD

OEE Energy Coordinator Orientation Course

January 2007

Location: TBD

OEE Inspector Orientation Course

March 9, 2007

Location: TBD

2007 ACI Home Performance Conference

April 23-27, 2007

Cleveland, Ohio