

November 2006



Residential Update

Office of Energy Efficiency

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States Remember Peter Dreyfuss

(portions reprinted with permission of Diane Shea, NASEO)

State energy offices noted with sadness the passing on October 2nd of Peter Dreyfuss, DOE Senior Advisor at the Golden Field Office. Fifty-seven years old, Peter had been head of the Chicago Regional DOE Office, and recently relocated to Colorado to work at the Western Project Management Center. With DOE since 1997, he left behind many friends and colleagues in the energy community.



Celebrations to commemorate Peter's life were held across the country. One was held in Golden, Colorado by the management and staff of that office. Another was held in the Kansas City, Missouri area where Peter began his career. A third was held the evening of November 15th in Washington, D.C.

Peter's family has asked that those who would like to make donations in Peter's name should choose any charity or cause that has environmental connections as a primary mission. One of Peter's greatest career accomplishments was work in helping to establish the Metropolitan Energy Center in Kansas City and serving as its Executive Director. The Center has agreed to accept contributions in memory of Peter; information can be found at the [Metropolitan Energy Center](http://www.kcenergy.org/PeterDreyfuss.htm) website at <http://www.kcenergy.org/PeterDreyfuss.htm>.

Messages of condolence may be sent to Peter's brother, Stanley Dreyfuss, 1315 191st Street Homewood, IL 60430-4415 Home (708) 798-3806; Cell (708) 906-4129; Email: SDREYFUSS@AOL.COM.

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ACI Home Performance Conference 2007 to be held in Cleveland, Ohio

submitted by Tim Lenahan, OEE



Preparations are well underway for the ACI Home Performance Conference to be held April 23-27, 2007. The conference will be held at the Renaissance Cleveland Hotel in downtown Cleveland. The conference is being hosted by the Ohio Department of Development with support from the Cleveland Green Building Coalition. This is a great opportunity to blend the design sensibility of green building with the sound practices of building science.

The Core Conference Planning Committee met in September to develop the draft agenda. That effort resulted in a very strong and balanced agenda. ACI staff has since refined the agenda and confirmation of presenters is well on its way. The short-course planning efforts are also underway. Changes to the timing of the conference will result in fewer short courses being offered so don't wait to sign up for them next year.

The Leadership and Host Planning Committees have met regularly. These committees focus on marketing, identifying sponsor and tradeshow leads, and offering input into the overall conference design. The Host Planning Committee is a wonderful group of participants from a broad range of backgrounds and interests. The enthusiasm of the group is a sign of the good things to come.

For those of you from out-of-state, keep an eye on the ACI website (<http://www.affordablecomfort.org/>) for the early registration contest. Open to non-Ohio residents, the Cleveland Convention and Visitors Bureau has donated a package that includes air-fare for two (from airports served by Continental), a nights lodging at the Renaissance Hotel, tickets to the Rock and Roll Hall of Fame, and tickets to the House of Blues.

The hotel is located next to the Terminal Tower Mall and Rail Station. Rail service is available from the airport. You can even remote-park by the Lake and ride in on the rail past Browns Stadium and the Rock and Roll Hall of Fame. Cleveland is also served by Amtrak and you can catch the rail at the station.

There will be plenty to do in Cleveland. The Indians are in town at the end of the week. Take in some blues and don't forget the Rock and Roll Hall of Fame. Cleveland is on the shores of Lake Erie. It is refreshing to walk along the lake and relaxing to watch the water.

Check the ACI website often for the latest agenda, logistical information, and online registration. Keep an eye out for the sector specific agendas that will be posted on the website. As always, there will be a Weatherization specific agenda. See you in Cleveland!



Rock and Roll Hall of Fame

Accessing the 10th Edition of the Weatherization Program Standards

submitted by Tom Andrews, OEE



Now that the latest edition of the Weatherization Program Standards (WPS) has been completed, here are some tips on being able to access and use the document. The complete document is located on the Office of Energy Efficiency's website (www.odod.state.oh.us/cdd/oee/Weatherization_Program_Standards.htm) You can either click on the entire document or you may click on individual chapters.

If you need to search the document for a word or a phrase, click on "View entire document". You can search the document by clicking on the icon of the "Binoculars". If you have *Adobe 7.0*, an area will be shown that allows you to enter a word or a phrase. The results will show how many times the word or phrase was found and will show a table with all of the occurrences. If you have an earlier version of *Adobe*, your search will bring up the first occurrence of the word or phrase for which you are searching. For example, if I typed in "Tom Andrews", version 7.0 will show one occurrence and will show the page where it was found. An earlier version will only show the location.

This may be fine for a word or phrase that is only occurring once, but if you typed in the word "CAZ", version 7.0 will show 74 occurrences and will show a listing of all the locations. The earlier version will only show the location of the first occurrence beyond where you are currently located in the document. You will need to click on the "Binocular with the arrow" (*find next*) to go through the document locating other occurrences of the word "CAZ".

Possible HVAC training facility

submitted by Tom Andrews, OEE

Recently, staff from two local providers, the Ohio Weatherization Training center (OWTC) and the OEE visited the Refrigeration Sales Corporation (RSC) distribution center in Valley View, Ohio. The center is located just east of Independence, near the intersection of the southern outerbelt around Cleveland and Interstate 77.

RSC distributes HVAC materials and also provides training sessions for HVAC contractors within this facility. The purpose of this visit was to view and discuss the possibility of using the facility for training HWAP staff and HVAC technicians.

The facility has props for hands-on training, which includes the new 90+ units and other various heating units seen by HWAP personnel. Also, staff of RSC seemed to be very enthusiastic about the possibility of their training facility being used during the day (since their usage is mostly evenings) and are looking forward to bringing in other combustion appliances for training needs, such as domestic hot water heaters and a cookstove.

The OEE believes that working with a recognized leader in HVAC sales and training is a great opportunity to increase HVAC training capability in the state. It will also allow OWTC staff to work with field HVAC professionals and gain new insights and training techniques. Another benefit of using the RSC facility is to give local HWAP providers a choice between Cleveland or Columbus RSC sites for the training. This will cut down on travel costs and windshield time for staff attending the trainings. It will also help to improve the knowledge and skills of the technicians working for licensed contractors within the program. It would be a great collaboration for all parties involved in HVAC.

Production Considerations ~ Keep That Machine Running

submitted by Chris Allwein, OEE

It can be tough to make production. That's what we used to call it at my agency. Each crew had a certain number of jobs they were required to complete each month. If you got 'em finished, you "made production," and didn't have a thing to worry about. At least until the end of the next month, anyway. In Ohio, each crew at each agency still has a certain number of jobs they must complete each month in order to make production. When they don't, the Energy Coordinator and the fiscal people are very unhappy, and other things happen that are bad. However, those things are the subject for a future article, hopefully to be written by an administrative person in such a way that it won't make our heads swim. All we need to know as crew people and technical people is that it's important to try to make production each month. How do we do that on a consistent basis? Are there certain tools and techniques that give us a better chance to be successful than others? How many people make up an ideal crew? Is there a certain philosophy to employ, or a specific brand of coffee we should drink?

When I was an HWAP field person, our agency crews consisted of two people. We used Force IIs (the green ones), Milwaukee cordless tools, one-inch bits, and drank White Castle coffee. We were required to complete seven jobs each month. I know some of you, especially those familiar with all the things the Ohio HWAP Standards currently require you to do for each job, are thinking that sounds a bit unrealistic. Perhaps it would be nowadays. Back then, our agency covered one county, most of which was and still is occupied by the city of Columbus. We had lots of freeways and big streets. So we didn't have the kind of drive time that a rural agency covering a three or five county area may have. We didn't have to complete the extensive diagnostic testing that is now required. There was basically a six-point blower door test, but not much else. That is either good or bad, depending on your perspective. In terms of performing tests, writing down results, trying to figure out what they mean, and all the time that takes, it's a good thing. In terms of protecting the program recipients' health and safety (and structural durability), it probably wasn't good to leave a completed unit without doing those tests.

The Ohio Program has undergone tremendous changes in the 20 years between my time on a weatherization crew and the present. However, there are still a few things a crew should keep in mind when they approach their work, in order to maximize time available to spend on each job, and to consistently make production goals. I'll tell you what I think, and then hopefully, you'll add your ideas and comments, which will be printed in a future issue.

Completing a job efficiently then and now requires many things, but we'll focus on three of them: Deciding ahead of time who will do what and when getting the machine running as soon as possible (and keeping it running), and staying on the job as long as possible each day.

Deciding who does what and when: Whether you have two, three or four people on the crew, everyone should know exactly what they're going to do once you get there. You already know what measures and retrofits the job calls for, because that's how you fill out your material request sheet. So, perhaps you arrive at a job with a three-person crew. After brief introductions, one person checks the basement and attic for bypasses into the sidewalls, one person begins hooking up the machine, and the third person is working lead-safe and removing the siding. Doesn't this situation sound ideal? What might really happen: After introductions, the resident complains about how cold and drafty the windows are, and insists on showing the crew leader every window problem in detail on the first floor. Or maybe the second person can't find the attic access, because it's in a closet packed full of stuff.

Production Considerations ~ Keep That Machine Running

(continued)

The third person is downstairs in the basement, trying to hook up the machine. The floor is wet, the dryer plug is hard to get to, and today is wash day. Should he unplug it, or shouldn't he? Being organized does not eliminate these and other difficulties. Weatherizing a house is a difficult job, and conditions at a site can make it even more difficult.

Document the difficulties, and diligently work through or around them. The point is that everyone should have an assignment before you arrive at the house. Every day, each member of the crew knows what he or she is going to be doing before reaching the job site.

Get the machine running as soon as possible (and keep it running): Once you've arrived at the job site get started on required insulation retrofits as soon as possible. Most site-built houses or manufactured houses (mobile homes) require at least one retrofit that involves using an insulation machine. Many times, this is the most extensive part of the work, and it can be the most time-consuming. Therefore, work assignments should be geared toward completing insulation retrofits first. In the above scenario, one person is putting the machine together, the second person is checking for bypasses, and the third person is removing siding to access the wall cavities. If the resident insists on showing you the bad windows, ask them to show you the ones on the side of the house that will be insulated first. While you're looking at the windows, you can also check the walls for cracks or other weaknesses, and check around the window frames for possible leaks. If you have to caulk around a window frame to prevent cellulose from blowing in, you are completing two tasks at once. You've made the resident happy because you're addressing the windows, and preventing insulation from blowing in around the frames.

In addition, completing a sidewall insulation retrofit first may reduce time spent on other tasks. Once the dense-pack wall insulation is complete, communication between the attic and the conditioned space through sidewall cavities will be reduced or eliminated. It may also reduce the amount of air sealing work needed to achieve the minimum OVERALLS reduction. Once the insulation retrofits are complete, all crewmembers are available to finish any leftover tasks.

Staying on the job: When we had a particularly large or difficult house assigned to us, we prepared to stay on the job. We packed a lunch and kept a cooler full of water. We kept the machine hooked up and the tools out. In the summer, we worked 10-hour days. This meant less "down" time and time spent traveling to and from the job.

Remember, this is one old-timer's version of best practices to make production. I welcome your comments, suggestions, and criticisms. If you do something differently, or something completely different, let me know what you do, why you do it, and how it works. Sharing good ideas not only improves Ohio's Program, but also benefits Program recipients. As stated, we would like to print your comments and ideas in a future issue. You can reach me at (614) 466-8310, or via email at callwein@odod.state.oh.us. I look forward to hearing from you.

Installing Carbon Monoxide and Smoke Alarms With HWAP Funds

submitted by Chris Allwein, OEE

When a residence contains a secondary unvented heating appliance (e.g., a kerosene heater), or a solid-fuel combustion appliance (e.g., a woodstove), an HWAP provider is required to install a safety device as part of the weatherization process. These devices are measures that add an element of protection for the residents of homes receiving weatherization services. Guidelines for installation (when, where and how) are presented in Section 1505 of the Ohio Weatherization Program Standards (OWPS). Initial and final inspectors, along with crew leaders and contractors, should be aware of these guidelines.

A carbon monoxide alarm *shall* be installed in two instances. The first is in all homes that have a secondary unvented space heater in operation. In other words, they have a primary system (e.g., a forced-air furnace). The space heater is a back-up or supplemental source of heat. These are often used in manufactured housing (mobile homes) when the residents have run out of fuel oil or LP gas for the furnace. Unvented gas heaters often exist in mudrooms, basements, or converted porches. While these appliances have detailed warning stickers on them, many times the requirement of an open window (for fresh air) and/or maintenance procedures are not closely followed.

The second instance is when a forced-air system (e.g., gas, oil or electric furnace and/or air conditioning system) draws return air from a space containing a wood stove, fireplace, or any other space-heating or water-heating combustion appliance. The situation described here could be a return air register in a living room where a fireplace exists. Or, a return air opening may exist in a finished portion of a basement away from the furnace, which also happens to contain an atmospheric hot water tank. Both of these instances assume that a working device is not present. If the required device is present, make sure it works and the customer understands how to use it.

Notice that installation of a carbon monoxide alarm is not an option; the word *shall* means it is a requirement. The purpose of this requirement is to offset a possible safety hazard created by the good work performed by the weatherization program. Because the house is a system, tightening up conditioned spaces with air-sealing measures and insulation retrofits may drastically change the way a combustion appliance works. A well-insulated home could cause back drafting problems, or make an existing problem worse. For example, a hot water tank that was already back drafting occasionally now back drafts every time the furnace comes on. The carbon monoxide spilled into the living area hangs around longer because good air sealing work decreased the number of air changes occurring in the structure.

A smoke alarm *shall* also be installed in two instances. The first is in all homes that have a space heater in operation. Notice that this requirement does not specify whether the space heater is vented or unvented. The alarm *shall* be installed in either case. In fact, this requirement does not specify the type of fuel used to operate the space heater. If a space heater exists, a smoke alarm must be installed. The second instance is when the home contains a wood stove or operational fireplace. It does not matter here whether there is a return register for a forced-air system in the same space. If a wood stove or a fireplace exists, the smoke alarm is required.

Under OWPS 1505 requirements, an HWAP provider may be required to install both types of alarms in certain cases. If the house contains a wood stove in the same space as a return register for a forced-air system, both alarms *shall* be installed. If the mobile home contains an unvented space heater, both alarms *shall* be installed.

Installing Carbon Monoxide and Smoke Alarms with HWAP Funds

(continued)

The other subsections of OWPS 1505 include requirements for verbal and written information about the alarms (and more importantly, what to do if the alarm goes off!) to be given to the consumer. Each agency should have this information prepared to go in the form of a letter or flyer that is easy for the residents to understand. The agency may choose, instead, to use the instruction manual for the specific alarm(s) being used. In either case, the inspector, crew leader, or contractor should spend a few minutes assisting the residents in becoming acquainted with the instructions, and highlighting the specific points noted in 1505-1.4 and 1505-2.4.

Specific installation instructions are presented in 1505-1.1 and 1505-2.1. Agency field staff should also be familiar with these, along with the manufacturer's instructions of the particular units employed to fulfill these requirements.

All of the requirements in section 1505 regarding carbon monoxide alarms and smoke alarms should be reviewed with HWAP field staff and contractors. It is important to keep these guidelines in mind when working on any kind of HWAP-eligible unit, and employ them in all applicable situations. Any questions about these requirements may be relayed to any OWTC or OEE staff.

Another use for charcoal

submitted by Joe Millisor, Ohio Heartland CAC



Now that the summer cookout months are almost over, what are you going to do with that leftover charcoal? Chances are if you leave it in your shed (or wherever you store your grill), it may get wet or damp, and eventually be thrown away. Instead, let's put it to good use.

How often have you opened a closet and got a scent of mildew and the clothes are moist and the same thing is happening in the basement? A quick and easy solution to this problem is to sit buckets of charcoal in the basement or closet. The charcoal acts as a natural absorbent and works great and is not harmful to pets, etc. It works great for small moisture (mildewing) problems.

The best use is in high-humidity areas (i.e., washer/dryer areas, small unvented bath areas, etc.). I've had success in these areas where there is a musty smell. Remember, charcoal is used as a filtration device in water resource areas. This idea was given to me by an elderly man from Florida who says it's a common method used by some of the older people in the humid southern states.



HWAP Quarterly Production Report through September 2006

submitted by Tom Andrews, OEE

The PY 2006 2nd Quarter Production Report has been emailed to all grantees. Grantees who are currently below 80% of their YTD Production Goals should review their HWAP program operations to ensure that production goals will be met or exceeded during the last six months of the program year.

If you have any questions or concerns with the information in this report, please contact Tom Andrews at (614) 466-7400.

Agency	Grant Amount	Planned Goals YTD	Actual YTD Completions	% of Goals
102/ASHTABULA	\$894,400	114	116	102%
103/SOURCES	\$227,377	21	22	105%
105/CLS	\$377,348	42	47	112%
107CINCINNATI	\$1,872,781	215	134	62.%
108/CLINTON	\$603,878	74	76	103%
109/CUYAHOGA	\$1,452,387	159	116	73%
110/OHIO HEARTLAND	\$461,356	55	60	109%
111/CLEVELAND	\$3,621,114	220	156	71%
112CAP OF GREATER DAYTON	\$3,032,092	357	371	104%
113/NORTHWESTERN	\$474,477	52	54	104%
114/D-M-U	\$382,234	44	42	95%
116/LANCASTER/FAIRFIELD	\$252,595	32	32	100%
117/FAYETTE	\$190,139	24	26	108%
119/H.H.W.P.	\$872,614	103	103	100%
120/LEADS	\$380,608	42	45	107%
121/LORAIN	\$483,485	64	51	80%
122/LUCAS/TOLEDO	\$1,490,227	173	174	101%
123/MAHONING / YOUNGSTOWN	\$1,270,635	135	122	90%
126/W.S.O.S.	\$795,489	95	88	93%
127/PICKAWAY	\$207,968	25	25	100%
128/PORTAGE	\$398,732	53	53	100%
129/STARK	\$799,026	92	97	105%
130/SUMMIT	\$1,177,507	145	126	87%
131/TRUMBULL CAP	\$621,650	60	37	62%
132/WAYNE/MEDINA	\$423,516	59	28	47%
133/C.O.A.D.	\$6,912,821	778	868	112%
134/MIAMI	\$301,820	36	36	100%
136/VAN WERT	\$177,708	21	4	19%
137/CLERMONT	\$352,316	38	37	97%
138/GROUNDLEVELSOLUTIONS	\$630,505	70	55	79%
139/EANDC	\$309,266	18	18	100%
140/MORPC	\$820,933	89	67	75%
142/WSOS/EH	\$337,250	40	24	60%
143/COLUMBUS LEADS	\$1,642,692	224	232	104%
144/GR. LEVEL SOL. R-M	\$484,759	52	56	108%
TOTALS	\$34,733,705	3821	3598	

First-half PY'06 OVERALLS / Air Leakage Reduction Results

submitted by Dennis Biddle, OEE

The individual agency air leakage reduction results for the first six months of PY'06 have been completed, and many providers continue to climb the ladder towards the top. Twenty-two providers achieved success rates of 80% or higher (up from 13 providers in PY05), including three providers who met/exceeded the Target Goal on every OVERALLS-applicable home they weatherized! Although the percentage of OVERALLS homes increased slightly statewide from last year (60% to 63%), the statewide average success rate jumped from 61% to 68%! CONGRATULATIONS go out to everyone whose success rates are going up !!!

!!! KEEP UP THE GREAT WORK !!!

Agency	Success Rate	# of Jobs that are OVERALLS applicable	% of all Jobs that are OVERALLS applicable	Total # Jobs
105 -CLS	100%	27	57%	47
111K - Detroit Shoreway	100%	3	75%	4
128 - Portage	100%	1	2%	53
116 - Lancaster Fairfield	94%	18	56%	32
120 - LEADS	93%	15	48%	31
133C - Belmont	93%	15	50%	30
137 - Clermont	93%	15	42%	36
139 - EANDC	93%	14	78%	18
126 - WSOS	92%	24	60%	40
108 - Clinton Clark	90%	40	80%	50
132 - Wayne Medina	90%	10	37%	27
142 - WSOS/Erie Huron	89%	19	79%	24
133D - Gallia Meigs	89%	9	53%	17
111C - Cudell	88%	25	83%	30
133I - Jackson Vinton	88%	16	42%	38
133R - Columbiana	88%	8	67%	12
133B - HAP CAP	87%	53	65%	81
121 - Lorain	83%	23	77%	30
133E - GMN	83%	23	85%	27
127 - PICCA	83%	12	71%	17
134 - Miami	83%	12	43%	28
133F - HarCaTus	82%	28	53%	53
102 - Ashtabula	78%	79	72%	109
133P - Washington Morgan	74%	31	74%	42
130 - Summit	72%	54	44%	122
129 - Stark	71%	38	73%	52
114 - DMU	71%	31	74%	42
119 - HHWP	69%	48	49%	97
143 - Columbus LEADS	69%	16	53%	30
122 - NHS Toledo	68%	140	84%	167
103 - SOURCES	67%	12	60%	20
136 - Van Wert	67%	3	75%	4
112A - CAP Dayton	65%	150	69%	217

First-half PY'06 OVERALLS

(continued)

Agency	Success Rate	# of Jobs that are OVERALLS applicable	% of all Jobs that are OVERALLS applicable	Total # Jobs
133K - KnoHoCo	64%	25	63%	40
138 - GLS	64%	14	25%	56
117 - Fayette	64%	11	46%	24
133G - Highland	64%	11	50%	22
133J - Jefferson	63%	30	77%	39
112D - Warren Co. Comm. Svcs.	63%	8	35%	23
111B - CHN	62%	21	58%	36
133N - Ross	59%	22	60%	37
109 - Cuyahoga	56%	71	67%	106
123 - MYCAP	54%	87	74%	118
133L - Muskingum	52%	21	84%	25
133M - Pike	52%	21	72%	29
110 - Ohio Heartland	51%	43	73%	59
133H - Ironton Lawrence	46%	35	65%	54
144 - GLS / MRM	45%	33	61%	54
133O - Scioto	44%	36	77%	47
133A - Adams Brown	44%	32	63%	51
140 - MORPC	33%	48	76%	63
111D - Comm. Hsng. Sols.	31%	16	89%	18
131 - Trumbull	27%	22	65%	34
107 - Cincinnati	22%	32	64%	50
113 - NOCAC	19%	31	58%	53
111G - Mt. Pleasant NOW	0%	1	100%	1
111J - Fairfax	n/a	0	0%	1
TOTAL	68%	1683	63%	2667

Weatherization Day 2006

submitted by Sue Moser, OEE

I would like to extend my thanks to all of the HWAP providers who held events to promote weatherization and energy efficiency in our communities. This year, we had a couple of different projects and six demonstrations throughout the state.

Press Release

Kelly Feeney of NOCAC developed an ad to be published in the Defiance Crescent News Paper for Weatherization Day 2006. The press release provided information on the scope of Ohio's weatherization program, how to apply for the services and a copy of the Weatherization Day proclamation that was signed by Governor Taft.

Coloring Contest

Carolyn Burris, GMN, devised a coloring contest for elementary school children to teach them and their parents how to conserve energy. She obtained permission to use four of the “I choose what I use” energy conservation tips that were developed by Rana Belshe and Lydia Gill Polley. The concept was for the children to bring them home and with their parents, read the tips, mark which ones they do and raise awareness of other actions they can take to reduce their energy use.

Carolyn reproduced the cards and distributed them to the local schools in the three counties serviced by GMN with the help of the Teen Program in Noble and Monroe Counties, Head Start in Guernsey County, the weatherization staff and the work development staff from the agency. A total of 470 entries were returned to the agency. These entries were judged and prizes were awarded. The grand prize winner received a \$100 savings bond; the second, third and honorable mention winners each received \$50 savings bonds. Local banks donated the bonds.

Carolyn was pleased with the results and plans to do it again next year.

Wood Stove Safety

Washington Morgan’s Kelly Palmer took a different approach. She was aware of the increase in wood burning stoves to heat homes and the safety concerns with using these stoves. She held two community meetings (one in Washington County and one in Morgan County) to educate consumers on energy conservation and wood stove safety. Kelly provided the energy efficiency education. A guild-certified wood stove installer presented information on wood stove installation and safety.

National Weatherization Day at Cleveland City Hall

On Friday, October 27, 2006, the city of Cleveland’s Home Weatherization Assistance Program and its Delegate Agencies, Cudell Improvement, Inc., Cleveland Housing Network and Community Housing Solutions, held a National Weatherization Day Celebration in the Rotunda of Cleveland City Hall.

More than 125 individuals visited the displays and received educational materials, HWAP applications and giveaways related to energy conservation. Booth staffers had the opportunity to answer visitors’ questions about the free home weatherization program and explain the process for receiving service.

- Cudell Improvement, Inc.’s display “walked” potential program applicants, via a series of photographs, through the HWAP work that is done on the home by certified contractors.



- Cleveland Housing Network distributed compact fluorescent light bulbs and toilet tank bags from its booth.

Weatherization Day 2006

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- Councilman Jay Westbrook, Ward 18, stopped by the event to lend his support and help promote the program.
- The City of Cleveland staffers distributed calendars, brochures, booklets and bookmarks – all geared towards energy conservation and home repair.

The event was very successful in heightening the awareness of the Home Weatherization Assistance Program and the need for energy conservation measures in everyday life.

Demonstrations

On October 25, 2006, the **Mid Ohio Regional Planning Commission (MORPC)** held a Weatherization Showcase, which demonstrated how weatherization services affect those in need. The homeowner is a single mother. Three television networks were there to cover the event and interviewed the homeowner and a MORPC inspector. The media and attendees were able to watch first-hand as the technicians prepared a home for winter by making it more energy efficient. Columbia Gas, which provides utility weatherization funding under its WarmChoice program, received an award from the American Council for an Energy-Efficient Economy (ACEEE) and shared it with MORPC at the showcase event. As a key partner, MORPC was also honored for its weatherization program's success and effectiveness, which ACEEE deems as a model of "best practices" for utility-funded low-income energy efficiency programs across the nation.



Jackson-Vinton County Community Action held a Home Weatherization/Warm Choice Demonstration on Thursday, Oct 26th. The household is an extended family of four who has rented the 960 s.f. one-story dwelling for 13 years. The head of the household is an elderly lady who raised 7 children. She has several grandchildren and some great-grandchildren. She applied for weatherization because of high gas bills (\$179/month) and the utility company recently red-tagged her floor furnace because of a cracked heat exchanger. This was of special concern because she sits in a living room chair that is adjacent to the floor furnace. The water tank also leaked. Both appliances were replaced. This should reduce the customer's gas bills by \$424 and also reduce the water bills.



Weatherization Day 2006

(continued)

The event was attended by State Senator John Carey, Representative Clyde Evans and reporters from the local newspaper. Roger McCauley and Teri Combs of COAD, Adrian Andrews of Columbia Gas and Steve Creed from OEE also attended the event. Several stations were set up throughout the home for demonstration purposes. The attendees were able to observe a heating unit test using a combustion analyzer, sidewall tubing, attic and crawl space insulation and air leakage work. The Jackson-Vinton Weatherization crew did a good job demonstrating to Senator Carey, Rep. Evans and others the work that they do daily.

On October 30th, **Highland County Community Action Organization** held a Weatherization Demonstration in Mowrystown, Ohio.

It was held to show local and state officials the process and steps involved in the weatherization of a home. When the homeowners purchased the home in February, the oil furnace stopped working. The CAO was able to replace the furnace with a high efficiency one and insulate the home. It is estimated that the homeowner will reduce her heating bills by \$800. State Senator John Carey, Roger McCauley of COAD, staff of OEE, and several local county political leaders and civic leaders attended the event. The event was covered



by the local media. The story of the Demonstration was run as a front page article in the October 31 edition of the local paper, The Hillsboro Time Gazette.



Also on October 30th, **Ashtabula County Community Action** held a Weatherization Demonstration in Williamsfield, Ohio. Representative George Distel (99th District) and a reporter from the Ashtabula Star Beacon (local newspaper) attended the demonstration. In addition to weatherization measures that were installed with HWAP funds, the customer benefitted from minor home repairs done with United Way funds and chimney, roof and gutter repairs from the First Energy Community Connection program. The client was presented with a copy of Governor Taft's Weatherization Proclamation. Joe Vaughn, of OEE, presented a demonstration on the use and applicability of an Infrared Camera.

On October 31st, **Ground Level Solutions** held a Weatherization Demonstration in Mansfield, Ohio. The homeowner is a 45-year-old Army veteran who was injured in a work-related accident in 1994 and is now on disability. Last year, his heating bills ran \$350 to \$400 per month with the thermostat set at 60 degrees. With the work done by GLS, a new high-efficiency furnace was installed and the home was insulated. The event demonstrated sidewall tubing and attic insulation methods and explained the operation of the new furnace. It is expected that these measures will save the homeowner 30% on his heating bills this winter. Mayor Lydia Reid, County Commissioners Gary Utt and Tim Wert, Don Mitchell, City of Mansfield and reporters from the local newspaper (Mansfield News Journal) and the local television station, WMFD, attended the event. Also in attendance were representatives of the Ohio Consumers Council, Ohio Partners for Affordable Energy, Columbia Gas, and OEE.

Weatherization Day 2006

(continued)

Columbus LEADS held their demonstration on November 14th. The homeowner, Mr. Clapper, had worked as a trucker for 19 years, but was involved in a motorcycle accident in August 2003, and became disabled. One of his hobbies was working on their Columbus home, and the other 3 vacation homes they once owned in Florida. The Florida homes were lost as a result of the motorcycle accident he experienced. The family was able to pay off their Columbus home with savings accumulated before the accident, but they now live on his Social Security and a small pension. His wife is disabled also. They learned of the Columbus LEADS Weatherization Program, while applying for the Home Energy Assistance Program (HEAP). This couple is a prime example of how easily the typical middle class American family can lose most of their financial security overnight.



The demonstration highlighted attic and sidewall insulation methods and duct sealing. The work that was done at this house will make it more affordable for the couple to continue to live here and increase the comfort of the home.



Buzz Caul, **COAD** Peer Training Coordinator, was interviewed by Andrew Tillotson of the Athens NEWS Campus Reporter.

The article was written to educate southeastern Ohio residents on carbon monoxide (CO) poisoning, and also to serve as a reminder to have their furnaces checked for CO leaks and the dangers of CO poisoning as cold weather approaches.

CO poisoning is a serious health condition that can be fatal in some cases and often goes undiagnosed due to symptoms that mimic the flu, Caul said.

Furnaces are not the only possible source of CO poisoning, Caul said. Kerosene heaters can give off CO if not working properly, and according to WebMD, exhaust fumes from a car can reach dangerous levels if the vehicle is left running in the garage. Even if the garage door is open, CO can still leak back into the house.

HEAT THE TOWN *Columbus*

On September 30, 2006, **Columbus LEADS**, in partnership with the Central Ohio Air Conditioning Contractors of America (ACCA), took part in *Heat the Town Columbus*. Services for non-eligible HWAP clients were paid for with Heat the Town funds, while services provided to HWAP-eligible clients were paid for with HWAP funds.

For its third year, ACCA members provided heating systems and carbon-monoxide checks to Central Ohio residents in need. Thousands of Central Ohio residents go without heat during the winter because they can not afford to have their heating system cleaned and checked. A total of 186 clients received benefit from this very worthwhile event.

OWTC TRAINING SCHEDULE

December, January and February

Below is the COAD OWTC Training Schedule for December, January and February. When registering for a course, please register online using the new online registration website at <http://coadinc.org/Main.php?page=programs-cdds-training>. Classes are held in Athens, Ohio unless otherwise noted. ***CLASSES FOR 2007 ARE SUBJECT TO CHANGE WITHOUT NOTICE***



If you have any questions about the courses offered, please contact Niki Morris at (740) 594-8499 ext. 220.

December

December 5	Mold Location: Dayton, OH
December 5-6	Oil Furnace Maintenance and Repair
December 6	Mold Location: EANDC, Akron, OH
December 11-14	Heating Unit Inspection-Week 2
December 12	Mold Location: LEADS, Newark, OH
December 13	Mold Location: WSOS, Green Springs, OH
December 14	Mold Location: Cincinnati-Hamilton CAA Cincinnati, OH
December 19-20	Codes and Standards

January

January 4-5	Blower Door Use Location: TBD
January 9-11	Final Inspection
January 9-12	Weatherization Skills and Theory
January 23-26	Initial Inspection
January 30-Feb. 2	Heating Unit Inspection-Week 1

February

February 5-9	EPP Week 1
February 6-9	House Heating Systems Electric
February 6	Lead Safe Weatherization Location: TBD
February 7	Mold
February 12-16	EPP Week 2
February 13-16	Heating Unit Inspection Week 2
February 21-22	NEAT Location: TBD
February 23	MHEA Location: TBD
February 27-28	Mobile Home Weatherization Week 1
February 27-March 1	Inspector Refresher
February 27-March 2	Combustion Analysis for Contractors Certification Location: TBD

Upcoming Events

OEE Inspector Orientation Course

December 8, 2006

Location: Vern Riffe Center - Columbus, Ohio

Contact OEE to register

OEE Energy Coordinator Orientation Course

January 9-11, 2007

Location: Vern Riffe Center - Columbus, Ohio

Contact OEE to register

HWAP Monitoring Summit

January 18, 2007 (tentative) Columbus, Ohio

HWAP Public Hearing on 2007 State Plan

February 2007 (tentative)

OEE Inspector Orientation Course

March 9, 2007

Location: CAP Dayton - Dayton, Ohio

Contact OEE to register

ACI Home Performance Conference 2007

April 23-27, 2007

Cleveland, Ohio