



Department of  
Development

Office of Community Services

## Residential Update

Ted Strickland, Governor

Lee Fisher, Lt. Governor

Director, Ohio Department of Development

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## Federal Congress Looks Favorably at Energy Programs

Submitted by Tim Lenahan, OCS Staff

Congress and President Bush passed a Continuing Resolution (CR) for fiscal year 2009 that was signed into law on September 30, 2008. The CR established funding for the Weatherization Assistance Program (WAP) and Low-Income Home Energy Assistance Program (LIHEAP). In the CR, a base funding for weatherization under the Department of Energy (DOE) budget could be \$227 million nationally. This equates to about \$13 million for Ohio. It is unclear what the final number will be as DOE has the discretion under a CR to adjust the weatherization budget, as it is not a separate line item in their budget. It could range from the President's requested budget of \$0 to the Senate's appropriation of \$250 million nationally. The CR runs until March 6, 2009. It may be close to that date before states are notified of the final budget.

Also part of the CR, emergency funding of \$250 million was established for the weatherization program nationally. The emergency funding will be available until it is spent, but Congress expects the funds to be quickly spent to serve more homes. The DOE has released the allocations to the states for the emergency funding and Ohio will get approximately \$14.7 million. DOE will also allow states to create a two-year budget that will allow Ohio to submit a plan for program years 2009 and 2010.

Ohio could see DOE funding up to \$28 million.

Another part of the CR was a substantial increase in funding for LIHEAP with a total allocation of \$5.1 billion. Since Ohio's HWAP receives 15 percent of the LIHEAP allocation received by the State of Ohio, Ohio will get approximately \$33 million.

Combined funding could be approximately \$58 million, up from the current year budget of \$35 million. Production goals would increase significantly from the current 6,600 units per year to over 10,000 units per year. This will require a significant expansion of capacity at the local level. The OCS will be gathering information from the agencies to help formulate a plan to assist with the expansion needs. The OCS has unobligated DOE and contingency funds from LIHEAP to help with this year's needed growth. Your help in meeting this challenge is needed, as the end result will be an increased number of low-income homes receiving much needed services.

## Updated HWAP Metrics Information

Submitted by Tom Andrews, OCS Staff

This information is based on the Annual Energy Outlook for 2008 and the first-year savings are based on the February 2008 Short Term Energy Outlook, both produced by Oak Ridge National Laboratory.

- The average first-year savings based on the current Short Term Energy Outlook for 2008 is currently \$413 or more per household.
- Reduces a household’s annual gas heating consumption by approximately 32 percent.
- The estimated average energy benefit in 2006 dollars over the life of the measures installed is \$5,274.
- The benefit / cost ratio is 1.65 (in other words, for every \$1.00 of weatherization, the benefit in savings is \$1.65).
- The estimated average value of non-energy benefits in 2006 dollars is \$3,446.
- The societal benefit / cost ratio is 2.72 (in other words, for every \$1.00 of weatherization, the society benefit is \$2.72. This includes the \$1.65 for energy savings benefit along with \$1.07 associated with non-energy benefits such as the costs for reductions in electricity generation, associated pollutants from residential and power plant emissions, supports direct jobs, and reduces demand for imported oil by the equivalent of 18 million barrels annually).

## Lead Safe Weatherization

Submitted by Tim Lenahan, OCS Staff

The Ohio Weatherization Program has reviewed its current Lead Safe Weatherization (LSW) practices to determine what was needed to prepare for the renewed policies that will become effective in program year 2009. Many felt that the current efforts were sufficient to prevent the creation of a lead dust hazard in homes weatherized. Field observations by state staff left doubts as it was rare to find the HEPA vacuums on the weatherization trucks. Some were even found in the warehouse still in the original box. Polyethylene sheeting, if used, was rolled up and put in the back of the truck.

So how could it be determined if LSW was working? Conducting testing at homes weatherized was not appropriate. If the source of lead dust is not removed from a home, the dust levels will return to pre-cleaned levels and it would be impossible to determine if LSW was effective. After a little thinking, it was decided to test the crew and contractor work trucks. The trucks themselves should not have lead paint and they all run on unleaded gas. If LSW was working, the lead hazard would be contained and the work trucks should not have lead dust in them.

Working with the Ohio Weatherization Training Center, the state selected three different agency crews and one weatherization contractor and tested their trucks for lead dust. Samples were taken from the rear cargo floor area, the driver side floor, and the insulation tube. At some of the agencies, further testing was done at the warehouse and in the break room.

The following chart shows the results of this very small sample of tests. Keep in mind that the EPA action level for floors is 40 µg/ft<sup>2</sup>. Pb is the chemical symbol for Lead.

Sample Location	Total Pb µg	Area ft <sup>2</sup>	Pb µg/ft <sup>2</sup>
Truck A Driver Floor	54	0.82	65
Truck A Cargo Floor	15	1.3	11
A Sidewall Tube	14	1	14
Truck A Work Bench	110	1.3	79
Warehouse A	<10	1.6	<6.4
Truck B Driver Floor	85	0.77	110
Truck B Cargo Floor	36	1.5	24

(continued)

Sample Location	Total Pb µg	Area ft <sup>2</sup>	Pb µg/ft <sup>2</sup>
B Sidewall Tube	11	0.88	13
C Lunch Table	<10	1	<10
C Table Top	<10	1.2	<8.4
C Storage Room Floor	42	1.6	27
C Office Desk Top	<10	1.4	<7.3
Truck C Driver Floor	360	0.53	670
Truck C Cargo Floor	160	1	160
C Sidewall Tube	33	1.4	24
Truck D Driver Floor	57	0.73	79
Truck D Cargo Floor	15	1	15
D Sidewall Tube	21	1.1	20

What can we tell from these results? The trucks tested had lead dust in them, sometimes at levels far exceeding the EPA action level. We can't say the lead came from customers' homes although that is a strong possibility. The trucks themselves should be too new to contain lead-based paints. Although some lead was found in the warehouse, the levels suggest that contamination in the trucks did not come from there.

There is likelihood that the crew/contractors are tracking lead dust into customer homes, the office spaces, and their own homes.

All trucks used in the past to weatherize pre-1978 homes should be thoroughly cleaned using a HEPA vacuum and wet cleaning procedures. This includes the cab area as well as all tools and equipment. LSW practices should then be used. Workers should not be allowed to eat their lunch in the cab or cargo area until the trucks are cleaned. Forget the five second rule - if food falls on the floor of the cab don't eat it. Even putting a water bottle on the floor of the truck could pick up lead dust that would then end up on your hands.

### Successful Collaboration

Submitted by Tom Calhoun, COAD Staff

Gallia-Meigs Community Action Agency (CAA) has effectively used several funding sources to help a family in need. High utility bills and frequent illness made this household a priority. The homeowner stated that her family was often sick with respiratory ailments.

The Corporation for Ohio Appalachian Development's Energy Services Staff provided electric baseload measures utilizing funds from the Electric Partnership Program (EPP) and referred the weatherization work to Gallia-Meigs CAA. Unfortunately, because of significant moisture intrusion in the crawlspace and mold in the home, weatherization work had to be deferred until a solution and funds could be found.

Through due diligence and a number of funding sources, CAA staff were able to remediate the moisture intrusion by installing new gutters and downspouts, and adding additional topsoil to keep rainwater away from the foundation. The home received attic and crawlspace perimeter insulation, ground vapor barrier, bath fans were installed and vented to the outside, and electric baseload measures. A low CFM exhaust fan was installed in the crawlspace to maintain a negative pressure and remove moisture. The mold was properly cleaned-up and has not returned. The homeowner stated that her family is much healthier and has not been ill since the work was completed.

Gallia-Meigs CAA utilized funds from the EPP, TANF, HEAP and HWAP to install measures in this home.

## **EPP Success Story**

Submitted by Steve Creed, OCS Staff

A client from Springfield recently contacted OCS to share her experience with the EPP. Honeywell DMC conducted an audit and provided Compact Fluorescent Lightbulbs (CFLs), low flow water saving aerators and showerhead, a waterbed cover, and a new refrigerator. Several months later Mrs. Brown called to let me know the impact the program had on her electric consumption. She told me she follows the Action Plan that was formed with her and had even gone out and bought more CFLs to replace other bulbs that weren't cost-effective for the program to replace. Her consumption had dropped from 2748 kWh to 1664 kWh. She said that her bill was \$100 less than what it was before the measures were installed. She had followed the auditors advice and had compared her monthly usage to the usage of the same month a year earlier. Mrs. Brown was very happy with the results; so much that she called me again the next month to inform me that she was still seeing the savings. This time her bill had gone from 2888 kWh the year before to 1029 kWh now. Many people do not see savings of this magnitude but because she followed the program and went a step further, she has since reduced her consumption by nearly two-thirds.

## **Weatherization Day 2008**

Submitted by Network Agencies

The 5th Annual Heat the Town Event was held on October 4, 2008 in Columbus. Held at Refrigeration Sales on Silver Drive, it was a heart warming sight to witness over 170 volunteers, 70 contractor trucks lined up, and 17 of Columbus' finest HVAC contractor companies, all setting aside their personal agendas to donate their time, talent, and funds, to make sure that over 255 households had their furnaces serviced FREE of charge before the harsh winter set in. Once again, the Air Conditioner Contractors Association (ACCA) and IMPACT Weatherization, the lead agency, organized this event to bring safe and warm heating services to over 255 clients. Smoke and CO detectors were also installed. A number of new furnaces were installed as a partnership with IMPACT Weatherization, Senior Options, and the city of Columbus.

Of the 255 households serviced, at least 50 percent of those homeowners were seniors.

Lieutenant Sawyer from the Columbus Fire Department. addressed how important the services provided would be very instrumental in preventing unnecessary house fires, due to faulty or non-working furnaces.

Trane Parts & Supply, Refrigeration Sales, Palmer Donavin, Johnstone Supply, Carr Supply, and the Bryant-Habegger Company donated the parts needed to provide the services.

The volunteers were treated to a wonderful barbeque, hosted by Refrigeration Sales and Joe Hirn. Kroger donated all of the food, paper items and condiments.

Over 15 companies donated items for the raffle that was held for our volunteers. Some of those companies included Spartan, Honeywell, Trane, Home Depot, Cameron Mitchell, and several others helped make this event the biggest and best event yet.

Betty Clark, ACCA; Pat Williams, Director of Energy and McLain Davis, Jr., administrative coordinator, both with IMPACT Weatherization; John Hetterscheidt, owner HETTER Heating; Joe Hirn and Ron Speck, from the host company Refrigeration Sales; and the many volunteers, supply houses, donors, and contractors wish to thank all those households that allowed us to share part of their day and to help make their winter a little more comfortable.

## Home Energy Efficiency Showcase Highlights Savings for Columbus Resident

Submitted by Pia Brady, MORPC Staff



Each year the Mid-Ohio Regional Planning Commission (MORPC) provides free home energy efficiency services to approximately 500 Franklin County residents. Betty Anderson is one of those lucky recipients. On October 30, 2008, MORPC held their annual Home Energy Efficiency Showcase at her Columbus home.

"It is wonderful and I appreciate every bit. This is great help for seniors," said Ms. Anderson as she watched MORPC technicians work on her home. Attendees, like Franklin County Commissioner Marilyn Brown and City of Columbus Council member Charleta Tavares, had the opportunity to see a behind the scenes look at insulation being installed in the home.

"I wanted insulation badly to keep the house warmer," said Ms. Anderson. MORPC provided a full energy audit on her home. She received a new furnace, CFLs, and over \$3,000 worth of insulation.

"Our clients average a 23 percent reduction in energy bills, which can add up to around \$325 per year in savings," said Erin Miller, MORPC Center for Energy and Environment Director.

MORPC's residential energy efficiency program is free to income-eligible clients thanks to funding from the Ohio Department of Development Office of Community Services' Home Weatherization Assistance Program (HWAP) and Columbia Gas of Ohio's WarmChoice Program.

### Save Energy & Money: Energy Efficiency Tips:

- Check your home's doors and windows for air leaks.
- Caulk and weatherstrip doors and windows that leak air.
- Insulate your attic, floors, and walls.
- Check the R-value of insulation prior to purchase. The higher the number, the better the effectiveness.

## Cincinnati-Hamilton County CAA Celebrates Weatherization Day 2008

Submitted by Tanya Pate, CHCCAA Staff



The Cincinnati-Hamilton County Community Action Agency (CHCCAA) celebrated Weatherization Day on Thursday, October 23, 2008. To demonstrate home weatherization techniques and raise awareness of its many benefits, CHCCAA invited representatives from the offices of several elected officials and from local companies to Weatherization Day 2008. The following individuals were in attendance:



- Neal Arlinghouse, Recker & Boerger;
- John Garner, CHCCAA Fatherhood & Healthy Relationships Program Coordinator;
- Andre Harper, U.S. Senator George Voinovich's Office;
- Darren Heat, Blevins, Inc.;
- Clinton Johnson, CHCCAA Community Services Director;
- Susan Moser, Ohio Department of Development;
- Kimberly Payne, CHCCAA Head Start Policy Council;
- Brewster Rhoades, Regional Director for Governor Strickland;
- Kristin Vennekotter, U.S. Senator Sherrod Brown's Office;
- Susan Walsh, Hamilton County Department of Community Development; and
- A representative from Valley Insulation.

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Participants watched and asked questions as technicians weatherized the home of local Cincinnati resident, Mr. Allen Feibelman, his wife, and his two children. Mr. Feibelman is one of many Hamilton County residents who cannot afford their utility bills nor make minor home improvements which would increase energy efficiency and lower utility bills. He received this free service through the CAA's weatherization program. The CAA installed a power-vented water heater, insulated the attic and sidewalls, replaced several panes of glass, and performed many air leakage retrofits to his home.

The CAA's Weatherization Day 2008 was a great success. Three local television crews and a newspaper reporter from the Cincinnati Enquirer covered the event. As a result, in the two business days following Weatherization Day, the CAA received more than 75 calls from people wanting to apply for weatherization services. Calls continue to come in from individuals who learned about CHCCAA's services through the Weatherization Day event.

## Open House Weatherization Demonstration

Submitted by Tom Calhoun, COAD Staff

It was a crisp and cool autumn morning on October 27, in beautiful Wellsville, a small town sitting along the Ohio River that was originally surveyed in 1770 by George Washington.

The HWAP crew members at the CAA of Columbiana County were ready to "strut their stuff" to show their guests that weatherization works. The guests included Congressman Charles Wilson and representatives from Governor Strickland's and Senator Sherrod Brown's offices as well as representatives from Columbia Gas, American Electric Power, and the OCS. The event was hosted by James and Anna Woyan (and their 13 year old Chihuahua, Oscar).



Weatherization Works

The Woyans have lived in their house for 35 of the 45 years they have been married. Anna worked as a school custodian and James worked in the brickyards. They raised three children and are now retired. Like many people, they are straining to live within their limited budget and that has been made more difficult as they've experienced medical issues. Anna says they feel blessed so long as they can "pay their bills, eat, and have a little bit left over." That has become increasingly more difficult, in part, because of ever increasing utility bills that account for over 14 percent of their budget. Why are their heating bills so high? It's not rocket

science: they live in an 80 year-old home that had no attic and wall insulation and was heated by 43 year-old furnace (with a cracked heat exchanger) that was partially disconnected from the ancient distribution system. That is no longer the case. With HWAP and Columbia Gas WarmChoice funding, the CAA demonstrated that by replacing the furnace, repairing the distribution system, and insulating the attic and walls they will reduce the Woyan's heating fuel use by over 50 percent. That means that the Woyans do not have to enroll on the PIPP Plan, they may have \$900 in annual savings that they can put back in their budget, and maybe, "buy Christmas gifts for the grandchildren this year."



Tom Calhoun, COAD, explaining the insulation procedures to Congressman Charles Wilson

Weatherization is all about the economy, environment and energy, but it is also about all of us who need assistance and guidance as we strive to adjust in these difficult times. One guest noted that "making homes more energy efficient is low hanging fruit that needs to be picked now and not later."

## Community Action Partnership of the Greater Dayton Area Celebrates Halloween and Weatherization

Submitted by John Bennett, CAP Dayton Staff

Children in the Preble County Head Start program recently celebrated Halloween and Weatherization Day by wearing their costumes and enjoying a fun, educational program on saving energy and home weatherization. Staff from the Community Action Partnership (CAP) presented the program as "CAP'N ENERGY," "Mrs. Powers," and "Mr. Watt."

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The children, ages three to five, learned about conserving energy by turning off lights and appliances when not needed. They also learned about home insulation and saw a demonstration of the infrared camera the agency uses to determine home insulation needs.

“In light of increasing heating and cooling costs, it is critical that we educate everyone on energy conservation and ways that families can work to reduce their utility consumption,” said Leonard Florence, Director of Weatherization Assistance Programs for the CAP. “What better way to do this than to start young!”

The children and families attending the event received gift bags. The kids received an energy-themed coloring book, a meal coupon, and other treats. Adults received money-saving energy tips and contact information for the CAP weatherization programs.

## HWAP Open House Demonstration

Submitted by Denise Mowery, GLS Staff



Steve Dillehay, GLS Inspector, explains the Weatherization process to the local news media.

Ground Level Solutions, Inc. (GLS) held a HWAP Demonstration in Columbus on November 7, 2008 at the home of Maxine Reed.

Reed, like many other seniors, lives on a fixed income and the services she received thru the HWAP program will help reduce her energy costs significantly.

The program provided measures to assure that health and safety issues were corrected, made heating system repairs, vented the furnace, replaced the water heater, insulated the attic and sidewalls, and performed many air sealing measures.

She was very thankful for GLS staff and their contractors, Designed Comfort and ProCo Insulation Company. ODOD/OCS staff attended GLS' Weatherization Day 2008

while three local television crews covered this event. Special thanks go to Maxine Reed, GLS staff, HWAP contractors, and everyone involved who provided their time and services in making this event a success.

## Community Action Wayne-Medina Open House

Submitted by Donna Holmes, CAWM Staff



Community Action Wayne-Medina (CAWM) held an open house at their weatherization warehouse. Several displays were set up to demonstrate the work that is done under the weatherization program. A lamp and monitor demonstrated the usage of a CFL versus a regular bulb.

Crew Leader Mark Simms led tours explaining the work that is done, why it is done, and the correct and incorrect methods that are often done by do-it-yourselfers. Energy efficiency materials were available to show some simple measures that homeowners can do themselves to save on their electric and gas bills. Susan Moser from ODOD attended the event as well as several agency contractors, staff, and Community members. Lowes, Wolff Brothers, and Applied Energy were some of the local businesses who donated the CFLs and window kits to give away at the open house. Longhorn Steak house supplied the refreshments. CAWM thanks everyone who attended.



Crew Leader Mark Simms, CAWM

This event was very similar to the “GO Green” event held in April that CAWM participated in at the OSU campus in Wooster. We offered the same type of information and handouts. That event was very successful and had thousands of spectators that received information about the CAWM programs and what our housing department does.

## NHS of Toledo Weatherization Demonstration

Submitted by Dora Tharp, NHS Staff

Dora Tharp and the Neighborhood Housing Services (NHS) of Toledo staff staged a weatherization demonstration at the home of Thelma Turner on October 23, 2008. Mrs. Turner received a new roof, new furnace, and attic and sidewall insulation. NHS leveraged funds from the Home Weatherization Assistance Program, Columbia Gas WarmChoice, and First Energy Community Connections to provide the services.

For the event, the staff made a tape of the attic being blown with cellulose. This tape was on a loop and played during the whole demonstration for the attendees to see. Demonstrations were also given on the use of the infrared camera, sidewall tubing, and the heating system.

The event was attended by Toledo City Council members Michael Ashford and Wilma Brown, and representatives for Mark Sobczak, Frank Szollosi, Phillip Copeland and Lindsay Webb. All major television stations sent a camera crew to the event.

## Stark County Energy Fair

Submitted by Kim Parker, Stark County Staff

Stark County CAA hosted its 2<sup>nd</sup> Annual Energy Fair on October 30, 2008. The visitors were given information on simple ways to save money, energy, and to have a healthy home. They learned basic home weatherization, bill payment plan options and energy efficient lighting choices.

Among the participants were Green Energy Ohio, offering innovative ideas for alternative energy. Lowe's and Applied Energy Products had many energy conservation items for weatherization; Columbia Gas had information to help promote the WarmChoice program. The OCS brought their light bulb display to demonstrate the usage of a CFL versus a regular bulb. Agency HEAP and HWAP staff were there to answer questions or concerns about the programs.

## Locking Out Old Man Winter

Submitted by Carmen Kuula, ACCAA Staff

The morning of October 30<sup>th</sup> started off with a brisk wind, reminding us of just how important the weatherization program is to households in our communities. With local officials present at the Site Demonstration, the staff of Ashtabula County CAA provided a first-hand look at the measures and techniques used to help our make our homes safe, warm and comfortable.

Those in attendance viewed a staff-produced video presentation about our program, witnessed a demonstration of the infrared Camera by Joe Vaughn, ODOD energy research analyst/technical field monitor, installation of side wall insulation, diagnostic testing of a hot water heater, blower door testing, and more.



CARMEN KUULA, director of the Ashtabula County HWAP watches as Joe Vaughn, energy research analyst/technical field monitor, ODOD/OCS, demonstrates an infrared camera used to detect energy leaks in a home.

The homeowner, a single mother raising two teenage sons, expressed her gratitude for the assistance offered to her through the program as well as some of our utility sponsored programs. "I was at my wits' end, not knowing where to turn or if I was going to have to move out of here" said the homeowner. "I was going to have to go bankrupt and lose my house from the utility bills I can't keep up with." The Weatherization Day event gives us an opportunity to spread the message about the many benefits of our program, especially the impact we make in our customers' lives.

The weatherization assistance program assists low-income families in Ashtabula, Geauga, and Lake Counties. ACCAA is scheduled to complete 186 households for the 2008 weatherization program year.

## Corporation for Ohio Appalachian Development Ohio Weatherization Training Center Training Schedule

Below is the COAD OWTC Training Schedule for January and February. To register for classes or if you need more information, please contact Niki Morris (740) 594-8499 ext 230 or via email at [nmorris@coadinc.org](mailto:nmorris@coadinc.org). The course list can be found at <http://owtc.coadinc.org/courselist.aspx>. All classes are held in Athens, Ohio, unless otherwise noted.



### January

- January 6-7     **BLOWER DOOR USE**  
Location: To be determined
- January 6-8     **FINAL INSPECTION**  
Location: COAD
- January 13-16   **ELECTRIC PARTNERSHIP PROGRAM WK 1**  
Location: To be determined
- January 21     **POLLUTION SAFE WEATHERIZATION WORK PRACTICES**  
Location: Columbia Gas
- January 21-23   **HOUSE DIAGNOSTICS**  
Location: COAD
- January 27-30   **ELECTRIC PARTNERSHIP PROGRAM WK 2**  
Location: To be determined
- January 27-30   **WEATHERIZATION SKILLS AND THEORY**  
Location: COAD
- January 27-31   **HOUSE & HEATING SYSTEMS ELECTRIC**  
Location: COAD

### February

- February 2-4     **CODES AND STANDARD**  
Location: COAD
- February 5-6     **BLOWER DOOR USE**  
Location: To be determined
- February 10-11   **NATIONAL ENERGY AUDIT TOOL (NEAT)**  
Location: COAD
- February 11-13   **GAS FURNACE MAINTENANCE/REPAIR**  
Location: COAD
- February 18-20   **HEATING UNIT INSPECTION**  
Location: COAD
- February 24-26   **INSPECTOR SERIES REFRESHER**  
Location: COAD

## Upcoming Events

### Inspector Orientation Course

**January 9, 2009**

*OCS Offices, Columbus, Ohio*

To register staff, please contact Tim Lenahan at (614) 466-8434 or via email at [tim.lenahan@development.ohio.gov](mailto:tim.lenahan@development.ohio.gov).

### Energy Coordinator Orientation

**January 13-15, 2009**

*OCS Offices, Columbus, Ohio*

To register staff, please contact Tom Andrews at (614) 466-7400 or via email at [thomas.andrews@development.ohio.gov](mailto:thomas.andrews@development.ohio.gov).

### 2009 NASCSP Mid-Winter Training Conference

**February 2-6, 2009**

*Washington Marriott Hotel  
Washington, DC*

### CSBG & WAP Orientation

**February 2-3, 2009**

#### Conference

**February 4-6, 2009**

For further questions, please email the Gove Group at [chomol@gove.org](mailto:chomol@gove.org).

### ACI Home Performance Conference 2009

**April 27 - May 1, 2009**

*Hyatt Regency Crown Center  
Kansas City, Missouri*

For registration assistance, please contact Affordable Comfort, Inc. at 1-800-344-4866, ext 10 or 26.

## Office of Community Services

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