

# Innovative Outstanding Weatherization Assistance News

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From all of us in the  
Weatherization Bureau  
in Des Moines

Jim, Gwen, Mark, Marcia,  
Chris, Mike and Rosemary

## Welcome

Happy Holidays to all of you! We are proud to offer you our first IOWAN of 2007 and look forward to sharing information with you this year!

The first HEAP installment was recently received by the DCAA and contracts were mailed to each agency. Please note that this contract does not include the "Equipment/Training" line item. Once the DCAA receives the next and final HEAP installment, the "Equipment/Training" line item will be included. Should you have any questions about your contract, feel free to contact

the DCAA office.

In October, I asked to hear from you about whether your agency has a chore service. So far, I have only heard from two agencies. Please send me an email at [Christine.Taylor@iowa.gov](mailto:Christine.Taylor@iowa.gov) and let me know what your agency has to offer.

We are working on the 2007 training schedule. Feel free to send me an email at [Christine.Taylor@iowa.gov](mailto:Christine.Taylor@iowa.gov) with any training suggestions for the next program year.

## Statistics

<u>Item</u>	<u>*QTRLY</u>	<u>**YTD</u>
Houses Worked On	540	1459
Completions	497	1331
Closed Incomplete	43	128
Owner-Occupied	478	1292
Rentals	162	167
Elderly-Occupied	200	498
Disabled-Occupied	250	640
Occupied by Young Children	89	217
Furnace Replacements	277	725
Refrigerator Replacements	226	640
Freezer Replacements	97	243
Average Costs per House	5807	6541

Totals for all agencies combined

\*QTRLY (June 2006—November 2006)

\*\* YTD (Program Year through November 2006)

# Agency Spotlight—Hawkeye Area Community Action Program, Inc.

## Furnace Trouble

Hawkeye Area Community Action Program, Inc. (HACAP) recently weatherized a round house. The client had complained about difficulties with her furnace, which had been built by her husband in 1962. She noticed that every time the blower came on, there would be little piles of sand by the registers. Not only was she having trouble with her furnace, she was also experiencing respiratory problems and had been hospitalized several times.

After a brief evaluation of the furnace and ductwork, the furnace contractor and the evaluator determined there was a breach in the supply ducts. They were hoping to be able to simply run a smaller size duct inside the existing ones. However, once the furnace was removed from its compartment (the house was built on a slab); they discovered that the existing ducts were cardboard and collapsing. Because the house



Sand mice brought in

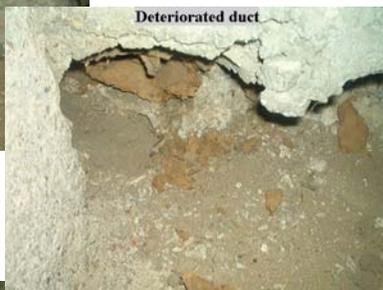


Concrete plenum

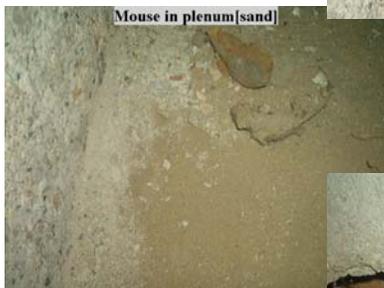
did not have an attic, the only solution they could come up with was to replace the existing furnace with an up-flow model, seal off the plenum in the floor, block off the existing registers, and run new ducts along the ceiling to each of the heated rooms. Fortunately, a friend of the client is going to enclose the ducts so they aren't visible.



Smashed cardboard ducts



Deteriorated duct



Mouse in plenum[sand]



Sand & deter. ducts



## Governor-elect Culver and Lt. Governor-elect Patty Judge Announce Appointments

For Immediate Release  
December 20, 2006

Contact: Brad Anderson  
(515) 725-2008 (office) or (515) 953-9414 (cell)

### Governor-elect Culver and Lt. Governor-elect Patty Judge Announce Appointments *PATRICK DILLON NAMED AS CHIEF OF STAFF*

**(Des Moines)** Today, Governor-elect Chet Culver and Lt. Governor-elect Patty Judge announced the first-round of appointments to their administration. Included in the appointments are five directors of state agencies and Patrick Dillon as the Governor-elect's Chief of Staff.

"I am excited to have such qualified and experienced public servants who are willing to work hard and serve the people of Iowa," said Governor-elect Culver. "One of the most important jobs I have is finding the best people possible to fill these positions, and I feel I have done that with these appointments. The people I have appointed have a vast amount of experience at various levels of government and I am truly honored to have them be a part of our administration."

Today's announcements include:

**Patrick Dillon, Chief of Staff:** Patrick Dillon most recently served as Campaign Manager for Governor-elect Culver and Lt. Governor-elect Judge, and is currently serving as a senior advisor to the gubernatorial transition. Previously, he has served in senior roles for former U.S. Senator and Vice-Presidential nominee John Edwards, former U.S. Senate Majority Leader Tom Daschle, Congressman Leonard Boswell, and former Virginia Governor Mark Warner. He is a 1999 graduate of Georgetown University and lives in Des Moines.

**Charles Krogmeier, Director of the Iowa Department of Management:** Krogmeier has been serving as Transition Director for Governor-elect Culver and has served as First Deputy Secretary of State since June of 2004. Prior to that he was a partner in the Des Moines law firm of Brown, Winick, Graves, Gross, Baskerville and Schoenebaum for 7 years. Krogmeier began his career in public service as a Lee County Supervisor (1979-86) followed by service as General Counsel to the Iowa Department of Transportation (1986-89) and as a Deputy Attorney General (1989-1997).

**Kevin Concannon, Director of the Iowa Department of Human Services:** Kevin Concannon was appointed the Director of the Department of Human Services in March 2003. Prior to his appointment, Concannon served as the state of Maine's Department of Human Services Commissioner from February 1995 to February 2003. Previously, he was the Director of the Oregon Department of Human Services from 1987-1995. From 1980 to 1987, he served as the Commissioner of the Maine Department of Mental Health and Mental Retardation. He has held a number of national leadership roles, including serving as President of the American Public Welfare Association (APWA) from 1993 to 1994, and as a member of the APWA Task Force on self-sufficiency. He was President of the National Association of State Mental Health Program Directors in 1987-1988, and served as a member of the American Public Welfare Association's Board of Directors and the American Public Human Services Association Board from 1991-1998. Concannon earned a Bachelor of Arts degree from Saint Francis Xavier University and a Master's Degree in Social Work from Saint Francis Xavier University and the Maritime School of Social Work in Halifax, Nova Scotia. He has pursued further study at the University of Connecticut and the University of Southern Maine.

**Judy Jeffrey, Director of the Iowa Department of Education:** Before serving as director, Judy Jeffrey had been the state's Early Childhood, Elementary & Secondary Division administrator since 1996. Before that, she served 24 years in the Council Bluffs Community School district in various administrative and classroom teaching positions. Jeffrey also has been an instructor at Creighton University, and has taught in other Iowa districts including Cedar Falls and Goldfield, where she began her teaching

—Continued on page 4

## Governor-elect Culver and Lt. Governor-elect Patty Judge Announce Appointments—Continued

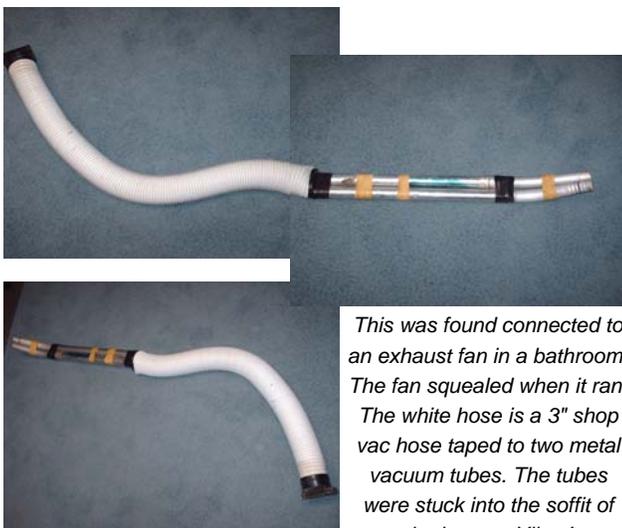
— Continued from page 3

career in 1964. She was president of the Council of Chief State School Officers Deputy Commission from 2001-2003, and currently co-chairs the CCSSO Task Force on Math and Science Education, and serves on the ESEA Reauthorization Task Force. Jeffrey earned her bachelor's degree from the University of Northern Iowa in 1963 and her master's degree in 1981 from Creighton University.

**Walter Reed, Jr., Director of the Iowa Department of Human Rights:** Walter Reed was appointed the Director of the Iowa Department of Human Rights in 2005. A Waterloo native, Reed previously served nearly 10 years as Executive Director of the Waterloo Commission on Human Rights and spent six years successfully building the Cedar Valley Diversity Appreciation Team and Study Circles Program. He is also a member of the State Board of Corrections. Reed holds a bachelor's degree from Wartburg College and has continued his education through numerous courses in human rights enforcement, compliance, management and financial administration.

**Mark Schuling, Director of the Iowa Department of Revenue:** Mark R. Schuling became director of the Iowa Department of Revenue on December 15, 2005. Mr. Schuling has been a practicing attorney for 25 years in Des Moines and has worked in private practice on tax litigation. During four of those years, he was an assistant attorney general in the Iowa Attorney General's Office and advised the department on statutes, rules, and declaratory rulings. Mr. Schuling is the chair of the Iowa State University Alumni Association Audit Committee and of the Des Moines School Board Audit Committee and is president of the Youth Law Center Board of Directors. He is a member of the Iowa State Bar Association Taxation Section Council and the District Court 5C Associate District Judge Nomination Committee. In addition to holding a doctor of jurisprudence degree from Drake University Law School, Mr. Schuling is also a certified public accountant.

## Extreme Photos



*This was found connected to an exhaust fan in a bathroom. The fan squealed when it ran. The white hose is a 3" shop vac hose taped to two metal vacuum tubes. The tubes were stuck into the soffit of the house... Yikes!*



*This is a picture of a water heater that the client had rigged to heat the building. The water heater used pipes under the floor to radiantly heat the house. The problem is that when they take a shower, all the hot water is expended and there is not hot water to heat the house.*

## Why We Require Garage Leakage Testing for Tuck-under and Attached Garages

Why must garage leakage testing (zone pressure diagnostics) be done on all homes that have an attached or tuck-under garage? Garage leakage testing is done to determine the extent of air leakage between the garage and the living area of the house. This is important because air movement can transport pollutants from the garage into the living area of a house. When an automobile engine is started, it puts out very high levels of carbon monoxide (CO). Even if the car is backed out soon after starting, if the garage door is closed, high levels of CO are trapped in the garage. If there are cracks or gaps in the entry door frame or in the wall between the garage and the house; or if there are wiring or plumbing penetrations, the CO will find its way through these leakage pathways into the home. (According to a recent study, the number one cause of CO alarm calls is from CO leaking into homes from attached garages.)

In addition to carbon monoxide, automobile exhaust also contains other pathogens such as nitrogen dioxide, sulphur dioxide, and benzene. Garages are also used to store other products that contain harmful pollutants. Examples of this include gasoline, paint, varnish, insecticides, and herbicides.

The Iowa Weatherization Program has established a CFM target of post weatherization leakage between a garage and the living area of a house. If post weatherization CFM leakage is above the target, air sealing of the wall between the garage and the living area of the house must be done to get the CFM leakage as low as possible. Be sure to review the *Work Standards* for more information regarding zone pressure diagnostics.

## News

**Compact Fluorescent Light Bulbs and Wal-Mart**—Have you heard about Wal-Mart aiming to sell 100 million energy efficient light bulbs in 2007? Yes. They plan to sell 100 million compact fluorescent light bulbs at their Wal-Mart and Sam's Club stores by the end of 2007. If you would like to know more about one of Wal-Mart's newest endeavors, visit [www.eere.energy.gov/news/enn.cfm](http://www.eere.energy.gov/news/enn.cfm), and view the Energy Efficiency and Renewable Energy newsletter published December 20th.

For more information about measures installed by the Iowa Weatherization Program, visit our website [www.weatherization.iowa.gov](http://www.weatherization.iowa.gov), click on Presentations/Publications in the left-hand table of contents, and then click on SLICE Report.

**Top Ten First-Year Client Bill Savings for Calendar Year 2005**—The top ten measures installed in 2005 by the Weatherization Program that saved the most energy for our clients are listed at the right.

High Efficiency System Replacement	\$223
Wall Insulation	\$182
Standard Efficiency System Replacement	\$155
Refrigerator Removal	\$98
Refrigerator Exchange	\$83
Ceiling Insulation	\$78
Freezer Removal	\$68
Foundation/Crawlspace Insulation	\$66
Freezer Exchange	\$63
Infiltration Reduction	\$52

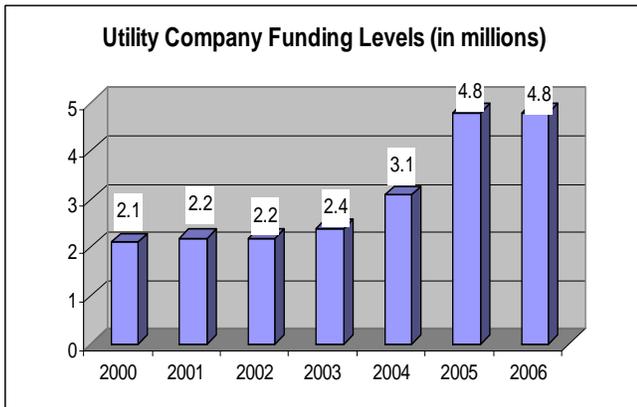
### Tentative 2007 Fiscal Monitoring Schedule

January	Southern Iowa Economic Development Polk County
February	South Central Iowa Community Action
March	Community Action of Eastern Iowa Mid-Iowa Community Action Red Rock Area Community Action Program
April	MATURA Community Action of Southeast Iowa
May	New Opportunities, Inc.

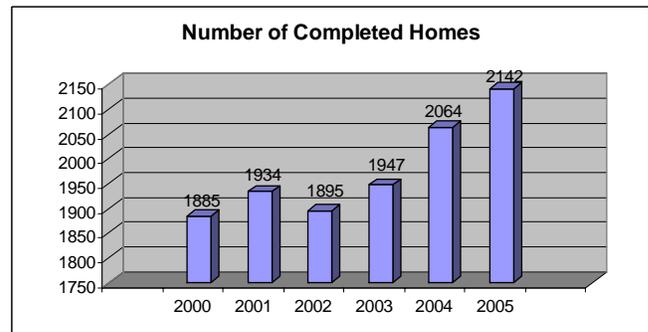
## Changes within the Weatherization Program

As you know, there have been many changes within the Weatherization Program since its inception. The accompanying charts provide a snapshot of some of those changes.

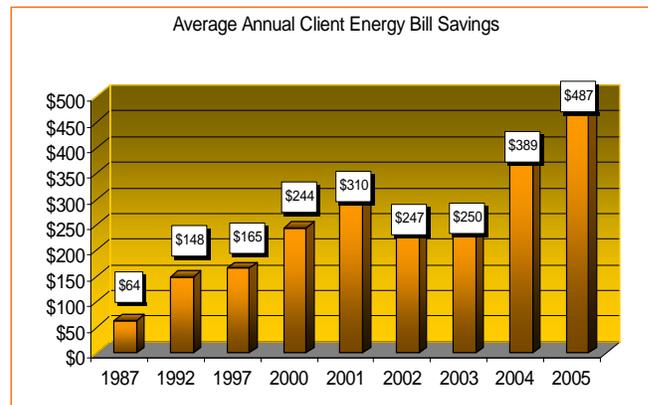
There have been increased funding levels from the regulated, investor-owned utility companies. In 2000, the funding level was \$2.1 million. The funding level grew to \$4.8 million in 2006.



The number of homes served by the program has increased from 1,885 homes per year to 2,142 homes.



Clients have realized an Increase in annual energy savings for completed homes. In 1987, the average annual client energy bill savings was only \$64. That savings increased to \$487 in 2005.



## Upcoming Events

**Save the Date!**

**ACI Home Performance Conference**

April 23-27, 2007  
Cleveland, Ohio

**Coming Soon—The new 2007 Training Schedule**  
[www.weatherization.iowa.gov](http://www.weatherization.iowa.gov) !

**Tentative 2006 Program Monitoring Schedule**

January	Polk County
February	North Iowa
March	None Scheduled
April	MATURA Operation Threshold
May	Upper Des Moines Opportunity, Inc.

## Speed Bumps

- Water heaters are still a problem. Water heaters that the utilities pay for need to meet the .62EF. Most of the time you need to look up the model number on the manufacturer's website. This was in the last two editions of the IOWAN. There is a listing of water heaters meeting utility requirements in the October 2005 IOWAN, which is on the weatherization website at [www.weatherization.iowa.gov](http://www.weatherization.iowa.gov) under Publications.  
  
Water heaters need to be at least 1-1/2 inches off of the ground as per the standards. I am calling for corrective action when this is not done. This is not a simple procedure for the installer to go back and do as it involves changes to the water lines and gas line. (Section 2022.03 page 47)
- Materials being used for door sealing are of poor quality; some of which do not meet the Weatherization Standards. I have seen thresholds, weatherstripping, sweeps, and door bottoms that are falling apart, which is unacceptable. (Section 4010 page 4)
- Remember to insulate above windows and doors when insulating walls. When insulating walk up attic stairs and floored attics, be sure to dense pack. (Section 5000)
- Light bulbs that are on longer than 1-1/2 hours per day can and should be replaced. The bulbs are to be installed by an agency representative; not left with the client.
- Ventilation is to be installed if the home is below the BTL at final inspection. (Section 2080)
- Holes in brick chimneys in the basement need to be sealed with either metal or masonry. Other material such as foam products are not to be used for sealing. (Section 4010 page 2)
- Bulkheads or soffits, mostly found in kitchens and bathrooms, need to be sealed from the attic at ceiling level. (Section 4010)

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***Please feel free to copy and distribute.***

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### Iowa Bureau of Weatherization

Department of Human Rights  
Community Action Agency  
Lucas State Office Building, 2nd Floor  
Des Moines, Iowa 50319

***We're on the Web!!!***  
***[www.weatherization.iowa.gov](http://www.weatherization.iowa.gov)***

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