



Governor Terry E. Branstad  
Lt. Governor Kim Reynolds  
San Wong, Director

## WEATHERIZATION PROGRAM Up-Coming Training Announcement

**Training Name:** Furnace Diagnostics and Combustion Health and Safety

**Course Description:**

This three day course is a combination of classroom and in-field training. Participants will learn about furnace components, basic electric, venting, and gas pressure issues. Participants will learn the basics of furnace and ductwork sizing and how to use combustion appliance testing equipment. Participants will also learn about condensing furnaces, boilers, heat pumps, and air conditioners.

Participants will learn to set up a house in worst-case conditions, and perform required draft and carbon monoxide testing for furnaces and water heaters using a digital monometer, monoxer, and TI-89 calculator. There will be discussion of test results and possible solutions. Participants will also learn steady state efficiency testing using a combustion analyzer and will learn how to calculate the Depressurization Tightness Limit (DTL).

These sessions will also focus on worst case set-up and CO testing.

**When:** September 19 – 21, 2016 – Begin at 10:00 on the 19<sup>th</sup>  
September 26 – 28, 2016 – Begin at 10:00 on the 26<sup>th</sup>

**Where:** Mid Iowa Community Action, 1001 S. 18<sup>th</sup>, Marshalltown. Agencies are responsible for making their own travel arrangements and room reservations.

**Reimbursement:** There will be no state reimbursement available.

**Other Info:** Class size is limited to six participants per session.

**For more information:** To reserve a spot please e-mail Marcia Thompson at [Marcia.Thompson@iowa.gov](mailto:Marcia.Thompson@iowa.gov). No telephone calls please. *This training is approved for local agency personnel only.*