

CERTIFICATION PROGRAM OVERVIEW

Residential Energy Analyst (REA) Program

The REA program is the certification system designed for use by the Oregon weatherization assistance network to enhance and augment the building performance skills and knowledge of staff, contractors and consultants who serve in participating agencies, businesses, utilities and organizations. It was developed in cooperation with experts and specialists from Oregon Housing and Community Services (OHCS), the Oregon Energy Coordinators Association (OECA).

The REA program has become the vehicle by which best practices and Oregon standards are taught and established for weatherization programs. It is critical that organizations have in place an effective training framework and infrastructure as the platform for growth and flexibility in an ever-changing market and industry. The benefits of training can increase job satisfaction and morale among employees, employee motivation, efficiencies in processes and improve quality control.

The Core Courses

Energy Analyst

The Energy Analyst course is the first step towards becoming a state certified auditor and inspector. This course is designed for the comprehensive evaluation and documentation of a performance based energy audit specifically of the building shell, assessment of the efficiency and safety of the mechanical systems, and to establish the most cost-effective weatherization strategy using skills learned in the course. This course provides a sound knowledge of building science principles, air leakage testing, furnace and combustion appliance inspection procedures, and performance based energy auditing. It also provides hands-on training in the field with state-of-the-art diagnostic tools. This is an intensive, full-week training course. An open-book exam is given with a 75% or better as a passing grade to receive state certification.

Weatherization Installer

This course includes basic installation theory, application techniques and methodology for the installation of weatherization materials in both site-built and manufactured homes. Weatherization training includes lecture material on building science, home energy principles and construction technology, as well as lab exercises in all aspects of energy conservation installation techniques on both site-built and mobile homes. Students will be given a written exam as well as a hands on field test and must pass with a 75% or better to receive state certification.

Diagnostic Technician

In this class you will learn the basic protocols, requirements and standards for duct leakage and combustion safety testing including: combustion theory and venting principles, pressure balancing, heating appliance repair and tuning, IAQ and mechanical system performance, and using state-of-the-art diagnostic tools. This is an intensive, full-week training course. A written, open book written exam as well as a hands on field test will be given by which a score of 75% or better to receive state certification.

Continuing Education

The Oregon REA program continuing education requirements to maintain certifications are a total of fifty hours of pre-approved and/or OHCS/OECA sponsored classroom, tutorial, seminar, field training or workshop time at the end of 5 years.

Certifications are good for five years from the date of issue.

For More Information

For specific information concerning Residential Energy Analyst Program, Core Courses, Continuing Education or Advanced Certification contact the Oregon Energy Coordinators Association (OECA) at:

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