

IR Basics

WxTV will take an in depth look at the use of thermography in weatherization for assessing building condition. We'll travel to Vermont and visit with John Snell, a Level III veteran trainer of nearly 30 years, who'll show how this technology allows us to see things no other technology can. But first, an interesting look at the history of IR. (Running Length: 15:44) <http://wxtvonline.org/2011/06/ir-basics/>

Learning Objectives

By viewing this video, participants will be able to:

- State a brief history of thermography and IR fundamentals
- Identify several supplementary and complimentary tools for an IR gun
- Interpret the read-out of an IR gun screen
- Describe how thermography aids in illustrating how buildings are interconnected

IREC Relevance: <http://www.irecusa.org/credentialing/key-docs/>

(This episode of WxTV may contain content relevant to all JTAs listed below – those JTAs which are underlined relate specifically to its content)

- JTA – Crew Leader
- JTA – Energy Auditor
- JTA – Quality Control Inspector
- JTA – Retrofit Installer Technician

Weatherization Assistance Program Standardized Curricula:

<http://www.waptac.org/Training-Tools/WAP-Standardized-Curricula.aspx>

(This episode of WxTV may contain content relevant to all Standardized Curricula listed below – those Standardized Curricula which are underlined relate specifically to its content)

- Crew leader 2.0
- Energy Auditor – Single Family 2.0
- Health and Safety Training for Programmatic Staff
- Heating Systems for Energy Auditors/Inspectors
- Lead Safe Weatherization (LSW)
- Mechanical Systems – Multifamily
- Quality Control Inspector 2.0
- Train the Trainer
- Weatherization Installer/Technician Fundamentals 2.0
- Weatherization Installer/Technician Mobile Homes
- Weatherization Energy Auditor – Single Family
- Weatherization Technical Monitor/Inspector

Key Terminology

Air-leakage
Blower-door
Depressurizing
IR gun
Infrared

Insulation
Knee wall
Millikelvin
Probe
Thermography

Supplemental Materials

Web Resources

<http://www.nrel.gov/>

<http://energy.gov/>

<http://www.resnet.us/>

Video Information

Location: Vermont

Individuals Featured: John Snell

Montana State University Extension Housing Program

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