

HANDS-ON TRAINING LABS *for Educators of Building Performance and Weatherization Contractors*

Mechanically designed to operate like a traditional home, ECI Building Performance Labs allow educators to provide students with hands-on training right at the campus. Dozens of scenarios can be demonstrated in a fraction of the time it takes through traditional site visits. And with full control of mechanical systems and lab pressures, instructors are able to create a learning environment that bridges classroom lecture with hands-on training – all without ever leaving the property.



California's State Capitol Building in Sacramento.



BLOWER DOOR AND DUCT TESTING

Learn how to set-up, operate and properly interpret blower doors and duct testers using today's latest digital manometers and high power fans.



CAZ ANALYSIS

Learn how to identify, test and interpret findings in both single and dual Combustion Appliance Zones (CAZ), and how the lab's "bedroom and bathroom" impact both areas differently.



COMBUSTION ANALYSIS

Get "up and close" with four different furnace types – wall type, atmospherically vented, fan assisted, sealed combustion – and learn how to test for CO, draft, spillage and efficiency.



FURNACE ANALYSIS

Test low, mid and high efficiency FAU's to better understand the impact of atmospherically vented systems versus fan induced and sealed combustion units.



HOT WATER TANK TESTING

Learn how to properly perform a spillage, draft and CO test on a traditional propane hot water tank using both digital and handheld tools.



PRESSURE DIAGNOSTICS

With three individual rooms to test (each with ventilation and leakage controls), learn how using a manometer and pressure diagnostics can help locate areas of highest concern.



RANGE AND OVEN TESTING

From burner interpretation to vent and ambient air CO measurements, learn through hands-on testing how kitchen appliances impact the home's health and safety.



THERMAL IMAGING

From entry level to the most powerful IR cameras, learn how using thermal imaging to locate missing insulation, air leakage and other problems can be a very cost effective approach.



For additional information, purchase and rental availability, please call **(805) 644-2877** or visit us online at:

www.EnergyConservationInstitute.com

