

## *Economizer Opportunities & Challenges*

# Test & Certify Ventilation Systems and Economizers

**Learn to effectively test, diagnose, and sell economizer and ventilation improvements.**

More than 50% of economizers in the field are either non-functioning, disabled, installed improperly, or have never been plugged in! In this two-day training course, you'll learn to apply practical field techniques and procedures to set up economizers, test functionality, and diagnose and repair malfunctioning units.

Looking to understand the in's and out's of economizer performance? Wondering how you can enter this field, or to brush up on your skills? This course will open doors to new customers and keep current customers satisfied. This advanced training will help you understand how to improve economizer performance and remedy deficiencies. Includes hands-on testing, diagnosing, repairing, and commissioning operating economizers.

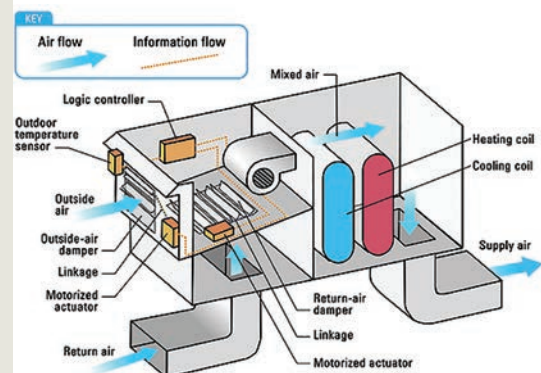
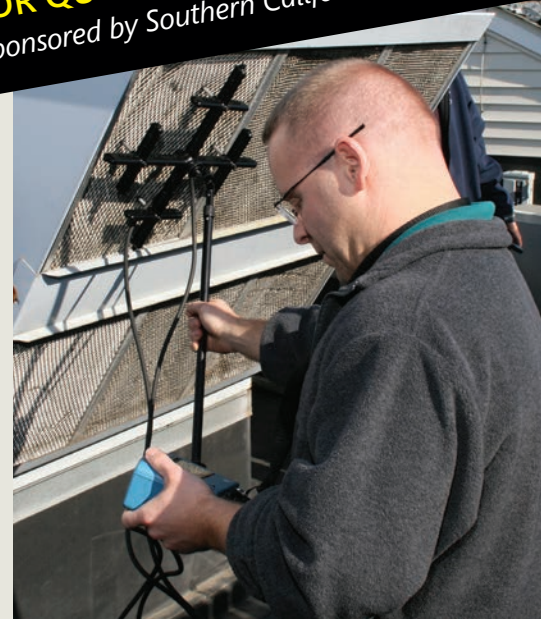
Economizers are key to maintaining a buildings energy-efficiency, and optimizing an economizer will result in proven increases in efficiency and comfort.

You will also learn how to:

- Perform advanced airflow and temperature measurements to calculate economizer Btus
- Determine economizer impacts on energy efficiency
- Use and apply basic ventilation standards and applications in the field
- Test, diagnose, and prescribe solutions to typical economizer and system ventilation issues
- Document knowledge increase of current standards and codes applications in the field
- Commission a basic economizer and controller
- Publish certified economizer and ventilation reports
- And much more...

*\*This special pricing is available exclusively to HVAC professionals who work in Southern California Edison's territory. Your final registration is subject to verification for discount eligibility.*

**ONLY \$100**  
**FOR QUALIFYING CONTRACTORS\***  
Sponsored by Southern California Edison



Leading the Industry in  
Performance-Based Contracting™

# Test & Certify Ventilation Systems and Economizers



## Agenda:

- Introduction, Webinar Logistics & Course Preview
- What's driving building owners to upgrade economizers?
- Ventilation and Air Change Calculations
- Test Instruments and Report Forms – *with hands-on demo*
- Measure Fan Airflow – *with hands-on demo*
- Diagnose and Resolve Fan Airflow Issues – *with hands-on demo*
- Variable Speed Fan Controls – *with hands-on demo*
- Measure Economizer Airflow – *with hands-on demo*
- Measure Economizer Airflow – *with hands-on demo*
- Diagnose and Resolve Economizer Airflow Issues – *with hands-on demo*
- Test, Diagnose and Resolve Building and Room Airflow and Pressure Defects
- Build a ventilation scope of work
- How to Set up an Economizer Controller – *with hands-on demo*
- Commission Ventilation Systems – *with hands-on demo*
- Create certified ventilation system reports
- Course review and Exam Prep

*The course concludes with NCI's exclusive Certified Economizer and Ventilation Specialist certification exam.*

*"Being able to talk to customers on how they can save is fantastic."*

*Kenny Lacey, Aire Rite Air Conditioning & Refrigeration*

*"The instructors are really knowledgeable. They explain the subject with detail."*

*Cristian Olvera, One Stop HVAC*

*"I increased my sales while making people comfortable."*

*Kent Donnelly, Tetra Mechanical*

## Who Should Attend?

Owners, Managers, HVAC Balancing Professionals, Service Technicians, Installers, Facility Management Personnel

## Frequently Asked Questions

**Q: Are there any prerequisites?**

Yes. NCI Commercial Air Balancing certification or National Balancing Council certification.

**Q: What are the start and end times of the class and is lunch included?**

The typical NCI training day is 8:00 am to 5:00 pm. Light refreshments and lunch are included.

## Who is NCI?

National Comfort Institute, Inc. (NCI) is the world leader in HVAC System Performance and Air Balancing training. We created the industry's best practices, processes, and forms and have been teaching them for decades.

What makes NCI's approach different? We show you how to thoroughly test and diagnose the system using practical, easy-to-follow methods so you'll know exactly what to do to provide your customers with optimum comfort and energy efficiency.

NCI coined the phrase "Performance-Based Contracting™", a unique approach to managing a contracting business through accountability and measurable results. During the past two decades, NCI has trained and certified more than 25,000 HVAC industry professionals. For more information about NCI, please call **800-633-7058** or visit **www.nationalcomfortinstitute.com**.



## Additional Educational Opportunities from NCI:

- Residential HVAC System Performance & Air Balancing
- Hydronic Testing, Adjusting, & Balancing
- Large Commercial Balancing (National Balancing Council)
- Airflow Testing & Diagnostics
- Combustion Performance and CO Safety
- Commercial HVAC System Performance
- Commercial Air Balancing
- Duct System Optimization
- Refrigerant-Side Performance



**Call 800-633-7058 or visit NationalComfortInstitute.com**