

Energy Recovery Ventilation Workshop



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RenewAire Corporate Headquarters
4510 Helgesen Drive
Madison, WI 53718

Presenters: Douglas Steege, Vice President, RenewAire Marketing and Sales, Dave Baldus, Applications Manager, Commercial Products, and other RenewAire Staff.

EVENT DETAIL

Today's buildings are built to be air-tight to control energy costs, humidity migration and provide stable, comfortable temperature conditions. Consequently, building occupancy and activities produces indoor air pollutants that can accumulate to unhealthy levels resulting in growing cases of short and long term building related illnesses. The solution prescribed by health authorities, building scientists and code officials is mechanical ventilation – an equal or pressure balanced amount of 'exhaust out' air and fresh outdoor 'supply in' air. But typical ventilation systems require a large amount of heating and cooling energy to maintain comfort in the ventilated space. RenewAire Energy Recovery Ventilation systems provide the required ventilation rates without the associated energy penalty. This course provides design professionals the necessary understanding and tools to successfully incorporate this technology into commercial buildings.

DISCUSSION TOPICS

LEED Certification and the Contribution of Energy Recovery Ventilation to LEED points

Transferring Heat & Humidity without Rotating Wheels

- The RenewAire Enthalpic Core – The Moisture Magnet
- Minimum and Maximum Air Flow through the Core
- How the Core Remains Clean.
- The Importance of Zero Cross Leakage and No Purge Air
- The rejection of viruses and other large molecules
- How RenewAire Achieves 0% Exhaust Air Transfer
- The Proof - ARI Testing
- Comparison of RenewAire Core to Desiccant Wheels and Other Products
- How Does the Competition Stack Up?
- A Demonstration of the Efficiency of the RenewAire Core Design Outside of ARI Design Conditions
- Attributes of the new RenewAire C4 core.
- Q&A

ERV Applications in the Real World

- RenewAire Installation Examples and Common Design Questions
- How can RenewAire Operate at Extreme Temperatures without an Active Mechanical Defrost?
- How do I Maximize the Performance of my RenewAire ERV?
- How do I Control My RenewAire Energy recovery Ventilator?
- Can my Economizer Co-exist with a RenewAire ERV?
- When do I use a Rooftop Unit vs. the Rooftop End Connect Model?
- Can I use my RenewAire unit in Smokey Applications?
- Applications Where RenewAire Solutions are not Suggested
- Q&A

RenewAire Tools

- RenewAire Design Tool Demonstration

RenewAire Plant Tour

COSTS _____

Free, but registration is required

Contact: Bob Ward 800.627.4499 x213