

**PROUD TO PROVIDE  
HEALTHY AND**

# **SUSTAINABLE IAQ**

## **INDOOR AIR QUALITY MATTERS**

INCREASED AIR-SEALING INTEGRITY DUE TO ENHANCED BUILDING CONSTRUCTION METHODOLOGIES NECESSITATES IMPROVED VENTILATION. WITHOUT IT, INTERNALLY GENERATED CONTAMINANTS ACCUMULATE AND CAUSE DEFICIENT INDOOR AIR QUALITY (IAQ), WHICH LEADS TO HEALTH PROBLEMS, REDUCED WORK PRODUCTIVITY AND POOR STUDENT PERFORMANCE. DEFICIENT IAQ IS A SERIOUS PROBLEM:

- ON AVERAGE, AMERICANS SPEND 90% OF THEIR TIME INDOORS
- DEFICIENT IAQ IS ESTIMATED TO COST THE U.S. ECONOMY \$168 BILLION ANNUALLY
- THE EPA RANKS INDOOR AIR POLLUTANTS AS A TOP-FIVE ENVIRONMENTAL HEALTH RISK

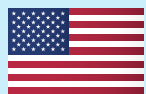
## **REDUCE LOADS**

RenewAire technology reduces heating and cooling electrical loads during both winter and summer, which in turn decreases HVAC equipment size and needs. This scaling down means units can be smaller and fewer are required, which ensures efficient operations and keeps both energy use and costs low, while at the same time maintaining high IAQ.

## **OPTIMIZE ENERGY EFFICIENCY**

Our fifth-generation, enthalpic-core, static-plate Energy Recovery Ventilators (ERVs) optimize energy efficiency by keeping airstreams separate while heat and humidity pass from one airstream to the other. This exchange of energy, which would otherwise be wasted, moderates temperature and moisture, decreases equipment needs and drives operational efficiencies.

## **WIND-POWERED PLANT IN MADISON, WI**



As the first manufacturer of static-plate core technology in North America over 30 years ago, and with 180,000+ successful installations, RenewAire is one of the largest ERV producers in the USA. Located in Madison, WI, our plant is 100% wind-powered and one of the few buildings worldwide to be LEED- and Green Globes-certified, as well as having achieved Energy Star Building status.

**RENEWAIRE EVERYWHERE**



Read our white paper on IAQ

1.800.627.4499 ♦ [WWW.RENEWAIRE.COM](http://WWW.RENEWAIRE.COM)

## VENTILATION SOLUTIONS FOR EVERY APPLICATION



### REDUCE COMMON INDOOR AIR CONTAMINANTS

**1. HUMIDITY**

Exhaled breath, water sources (faucets, showers, leaks, floods)

**2. CARBON DIOXIDE**

Constituent of exhaled breath

**3. FORMALDEHYDE**

Off-gassed from adhesives, fabric treatments, stains and varnishes

**4. ODORS**

Bathrooms, kitchens, dry-erase markers, occupant odors (perfume, soap/shampoo residue, clothing detergent, general odors), pets

**5. TOBACCO SMOKE**

Smoking areas close to building entrance

**6. PHTHALATES**

Off-gassed from adhesives, vinyl flooring, wood finishes, plastic plumbing pipes, other building materials

**7. VOCs, TOXIC GASES AND VAPORS**

Off-gassed from furniture, carpets, paints, cleaners, solvents, glues, building materials

**8. OZONE**

Off-gassed from photocopiers, electrostatic air cleaners, other office equipment

## RENEWAIRE EVERYWHERE



100%



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