

## Year 2008

### 2008 Reports and Papers

- Statewide Air Emissions Calculations from Wind and Other Renewables Summary Report (ESL-TR-08-08-02)
  
- Estimation of Annual Reductions of NOx Emissions in ERCOT for the HB3693 Electricity Savings Goals (ESL-TR-08-12-01)
  
- NOx Emissions Reduction From Continuous Commissioning® Measures for the Dallas-Fort Worth International Airport (ESL-TR-08-09-04)
  
- Simulation of Off-grid, Single-family Detached Residences in U.S. Climates (Malhotra) SimBuild Conference '08 paper
  
- Development of a Simplified Simulation Tool for High Performance K-5 Schools in Hot and Humid Climates (Im) SimBuild Conference '08 paper
  
- Development of a Simulation Toolkit for the Selection of High-Performance Systems for Office Buildings in Hot and Humid Climates (Phase I: Calibrated Simulation of the Case Study Building) (Cho) SimBuild Conference '08 paper

### 2008 Hot and Humid Conference papers by ESL Personnel:

- Methodology for Residential Building Energy Simulations Implemented in the International Code Compliance Calculator (IC3) (ESL-HH-08-12-02)
- Development of a Residential Code-compliant Web-based Calculator for Texas (ESL-HH-08-12-03)
- An Analysis of the Residential Energy Savings from the Implementation of the 2001 IECC and 2006 NAECA Appliance Standards in the State of Texas (ESL-HH-08-12-04)
- Development of an ASHRAE 152-2004 Duct Model for the Single-Family Residential House (ESL-HH-08-12-11)
- Calculating Emissions Reductions from Renewable Energy Programs and Its Application to the Wind Farms in the Texas ERCOT Region (ESL-HH-08-12-22)
- Analysis of Off-Grid, Off-Pipe Housing for Hot-Humid and Hot-Arid Climates (ESL-HH-08-12-26)

- Analysis of the Energy Savings Potential in K-5 Schools in Hot and Humid Climates (ESL-HH-08-12-28)
- Validation of the eCALC Commercial Code-Compliant Simulation Versus Measured Data from an Office Building in a Hot and Humid Climate (ESL-HH-08-12-31)
- Detailed Analysis of Thermal Mass Credits in a Code-Traceable DOE-2 Simulation of the 2001 IECC for a Single-Family Residence in Texas (ESL-HH-08-12-32)
- A Comparison of EnergyPlus to DOE-2.1E: Multiple Cases Ranging from a Sealed Box to a Residential Building (ESL-HH-08-12-33)
- Development of Data Quality Control Limits for Data Screening Through the 'Energy Balance' Method (ESL-HH-08-12-34)
- Design, Construction, Transportation, Operation and Post-Occupancy Analysis for the Texas A&M Solar Decathlon House (ESL-HH-08-12-37)
- Study of the Outside Air Enthalpy Effects in the Screening of Metered Building Energy Data (ESL-HH-08-12-42)