

ASHRAE RESEARCH: HELPING YOU SURVIVE WINTER

Research Projects Keeping You Warm This Winter

- 1196-RP - Develop Software to Calculate the Application Seasonal Efficiency of Commercial Space Heating Boiler Systems Based on ASHRAE Standard 155P
- 1267-RP - Development of an ASHRAE Design Manual for District Heating and Cooling Systems
- 1322-RP - Productivity and Perception Based Evaluation of Indoor Noise
- 1385-RP - Development of Design Tools for Surface Water Heat Pump Systems (SWHP)
- 1458-RP - Modeling Person-to-Person Contaminant Transport in a Mechanical Ventilation Space
- 1478-RP - Measuring Air-tightness of Mid- and High-rise Non-residential Buildings
- 1504-RP - Extension of the Clothing Insulation Database for Standard 55 and ISO 7730 to Provide data for Non-Western Clothing Ensembles
- 1544-RP - Establishing Benchmark Levels and Patterns of Commercial Building Hot Water Use
- 1550-RP - Thermal Performance of Insulating Coatings on Piping and Ductwork
- 1564-RP - Measurement of Oil Retention in the Microchannel Heat Exchanger
- 1613-RP - Update Climatic Design Data in Chapter 14 of the 2013 Handbook of Fundamentals
- 1624-RP - Effective Energy-Efficient School Classroom Ventilation for Temperate Zones
- 1646-RP - Measurements of Thermal Conductivity of Pipe Insulations at Below Ambient Temperatures and in Wet Condensing Conditions with Moisture Ingress
- 1674-RP - Research to Support the Revision to Ground Source Heat Pump: Design of Geothermal Systems for Commercial and Institutional Buildings (ASHRAE 1997)
- 1699-RP - Update Climatic Design Data in Chapter 14 of the 2017 Handbook of Fundamentals
- GIA 13-14 - Air-Side Economizer Low-Limits Effect on Energy and Thermal Comfort
- GIA 13-14 - Assessing the Performance of Buildings Due to Extreme Weather and Climate Change
- GIA 14-15 - Development and evaluation of novel membrane liquid desiccant air conditioning systems for hot-humid and cold-dry climates
- GIA 14-15 - Integrating thermal energy storage into hybrid solar assisted heat pump systems for residential houses in cold climate
- GIA 14-15 - Numerical and experimental investigation of control schemes for small scale ammonia water absorption heat pumps

For more information on these projects, visit:

<https://www.ashrae.org/standards-research-technology/research#researchproject>