

ASHRAE Technical FAQ

ID 47

Question What [research](#) is ASHRAE currently conducting regarding energy efficiency?

Each year ASHRAE devotes the October issue of the [ASHRAE Journal](#) to that year's Research Report. The following active projects regarding energy efficiency are listed in the October 2016 issue:

1196-RP Develop Software to Calculate the Application Seasonal Efficiency of Commercial Space Heating Boiler Systems Based on ASHRAE Standard 155P

1607-TRP Design and Utilization of Thermal Energy Storage to Increase the Ability of Power Systems to Support Renewable Energy Resources

1624-RP Effective Energy-Efficient School Classroom Ventilation for Temperate Zones

1627-RP An Evaluation of the Actual Energy Performance of Small Office and K-12 School Buildings Designed in Accordance with the 30% ASHRAE Advanced Energy Design Guide

Answer 1629-RP Testing and Modeling Energy Performance of Active Chilled Beam Systems

1634-RP Guide for Sustainable Refrigerated Facilities and Refrigeration Systems

1649-RP IAQ and Energy Efficiency Implications of High Efficiency Filters in Residential Buildings

1651-RP Development of Maximum Technically Achievable Energy Targets for Commercial Buildings

1666-RP Experimental Evaluation of the Thermal and Ventilation Performance of Stratified Air Distribution Systems Coupled with Passive Beams

1681-RP Low Energy Lighting Heat Gain Distribution in Buildings

1696-RP Thermal and Moisture Transport Property Values of New Building and Insulating Materials

1702-TRP Case Studies to Test Performance Measurement Protocols

1710-RP Effects of Dynamic Shading Devices on Daylighting and Energy Performance of Perimeter Zones

1712-RP Design Guide for Dedicated Outdoor Air Systems

1719-RP Design Guide for Cool Thermal Storage

1747-RP Implementation of RP-1457 CO₂-based Demand Controlled Ventilation for Multiple Zone HVAC Systems in Direct Digital Control Systems

1771-RP Energy Modeling of Typical Commercial Buildings in Support of the ASHRAE Building Energy Quotient Energy (bEQ) Rating Program

Final reports to completed ASHRAE research projects related to energy efficiency, and all other topics, are available (for free to ASHRAE members) at the [Research](#) page of www.ashrae.org.

ASHRAE Pubs [ASHRAE Journal](#), October issue each year.

Topic References energy efficiency, research

	Cognizant ASHRAE Committees	Refer to Organization
1	TC 7.6	
2	RAC	
3		
4		
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