

**ASHRAE grant:
Training Requirements for Sustainable High Performance Building Operations**

The objective of this research is to develop a knowledge and skill base to properly train personnel who are actively involved with the operation, maintenance and management of high performance buildings with an intent to ensure optimum operational and maintenance practices that translate to energy savings and proper indoor air quality that are targeted by high performance buildings. The research targets both new and retrofitted construction of various types of buildings such as: offices, laboratories, food sales, public order and safety, public assembly, education, food service, nursing, lodging, service, healthcare, warehouse, retail, and high-rise residential.

The objective of this research is also to establish a basis for a potential certification and training program developed and conducted by ASHRAE that addresses the current issues faced by the building operation and maintenance personnel with an intent to ensure a uniformity and consistency in the methods used to address operation, maintenance and management of high performance buildings.

In addition, the objective is to align the outcome of the research with the procedures and the learning objectives established by the ASHRAE Learning Institute with an intent to establish ASHRAE's expansion into targeted new markets such as those for training of building operators.

Finally, the results obtained from the research will be available to be other outreach products developed by ASHRAE such as the marketing of the Building Energy Quotient with an intent to provide information and material that are relevant to and address the issues faced by current practices in building design and operation.