

HVAC Design For Energy Efficiency **01.86.01**

Description:

The purpose of the section is to highlight the UMCP Design Standards for the energy efficiency design of HVAC in buildings.

Related Sections:

- TBD

Effective Date:

January 1, 2014

Applicable Standards:

- Forest Conservation Act to the Department of Natural Resources

General Requirements:

- The University is committed to energy-efficient design within the limits of budget constraints.
 - The HVAC designer is required to be alert to opportunities to reduce first cost with less-than-optimal concepts (but within the bounds of good practice and applicable energy codes), yet allow for the future retrofit to state-of-the-art energy-efficient equipment and concepts.
- Expanding: The University anticipates executing an arrangement with a performance contractor such that no cash retrofits funded by provable future energy savings could be routine.
- When a future retrofit opportunity has been identified, and the University agrees, the HVAC design must allow for the future installation (adequate space, etc.).
- The HVAC design must also allow provisions in the base design (pressure/temperature taps, flowmeter stations, etc.) for measurement techniques which will be used to establish a baseline of energy use, then to quantify the post-retrofit savings.