

Milestones for Redesign the of the Bennett Hall Basement HVAC System

University of Maine
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Goal:

Redesign the system currently in the basement of Bennett Hall to provide humidity control of less than 40% while keeping comfortable working temperatures. The goal of less than 40% is a starting point that may be adjusted after meetings with the professor that work in the basement.

Milestones:

September 27, 2005 – Review the existing design of the current ventilation system.

October 25, 2005 – Define characteristics of existing system components.

November 8, 2005 – Determine cooling and dehumidification loads system must perform.

November 22, 2005 – Define needed equipment system for each alternative method.

December 6, 2005 – Present first semester results.

December 13, 2005 – Determine operating costs of each system.

February 14, 2006 – Determine the new system coils and or new pump (depending on the coil selection)

February 21, 2006 – Determine the purchase cost for the new system

February 28, 2006 – Compare life cycle cost analysis of the system.

April 7, 2006 – Pick system and justify choice.

April 25, 2006 – Complete detailed design of the system.

May 3, 2006 – Set up of projects final review.

May 4, 2006 – Open house, operational review of projects.

May 10, 2006 – Final Report Complete.