Two Week Look Ahead

Powerhouse Chiller Plant Expansion and Upgrades

Construction Activities for the Next Two Weeks

Columbia University’s goal is to provide economical and reliable air conditioning on a 24-hour basis to its Morningside campus buildings. In order to meet growing cooling demands, the University has committed to undertake a major expansion of its central refrigeration plant located in the original powerhouse. The new refrigeration machines will provide an additional 5,600 tons of cooling. Project completion is anticipated by fall 2010.

Construction Activities for the Weeks of:
March 15, 2010 and March 22, 2010

Week of March 15, 2010
General Activities
- Restoration of the powerhouse ash pit walls begins in preparation for the installation of the new floor.
- Modifications to the rigging structural assembly begins.
- Structural steel posts will be delivered and rigged to the Fairchild roof for the new cooling tower supports.
- Removal of the abandoned chillers in Fairchild’s penthouse machine room continues.

Week of March 22, 2010
General Activities
- Restoration of the powerhouse ash pit walls continue.
- Modifications to the rigging structure continues.
- Removal of the abandoned chillers in Fairchild’s penthouse machine room continues.
- Installation of electric conduits for the new 4160 volt service to the powerhouse begins at the CEPSR main switch gear room.

Looking Ahead
- During the upcoming months, there will be much activity in the areas of the Grove and Fairchild buildings. New cooling towers will be rigged in place on the Fairchild roof, which will require the use of the largest mobile crane available in New York City.
- In addition, 30 inch diameter pipe risers will be erected along the east side of the Fairchild building. The pipe risers will provide the cooling water for the new refrigeration machines.

Need More Information?
- For questions or concerns, please e-mail proj@columbia.edu or call the Columbia University Facilities Services Center at 212-854-2222