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 29, 2010 and April 5, 2010*

### Week of March 29, 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 continues at the CEPSR main switch gear room.

### Week of April 5, 2010

**General Activities**

- Restoration of the powerhouse ash pit walls continue.
- Re-supporting of the rigging structure begins.
- Demolition of the abandoned chillers in the Fairchild penthouse machine room continues.
- Installation of the new 4160 volt electric service to the powerhouse from CEPSR continues in the CEPSR steam plant area.
- Excavation begins in the coal tunnel to connect the powerhouse ash pit to the compressor machine 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 projx@columbia.edu or call the Columbia University Facilities Services Center at 212-854-2222