

Charter Street Heating Plant Rebuild, UW-Madison

Environmental Impact Statement Scoping Meeting

Wednesday, September 9, 2009

5:30 p.m. to 8:30 p.m.

The UW-Madison Welcome Center atrium contains various display stations which show conceptual aspects of the proposed project and detail several key impacts that will be evaluated. Please utilize these stations and nearby experts to understand the currently proposed project components with the understanding that your input will help shape the project as it moves forward.

The purpose of tonight's Scoping Meeting is to kick-off the Environmental Impact Statement (EIS) process as required under Wisconsin State Statute §1.11 and UW System Administration guidelines. An initial requirement of the EIS is the scoping process, with the intent of presenting the proposal and identifying at an early stage any potential impacts of the project on the physical, biological, social, cultural, and economic environments. Impacts identified during this process are incorporated into a draft EIS which is made available to the public for a 45-day review period, and is circulated to appropriate federal, state, and local agencies. A public meeting will be held on the draft EIS, as well as the Final EIS released in 2010.

The back side of this sheet provides some basic information on this project. Additionally, please take a copy of the separate comment form to provide written comments on any of the subject matter presented tonight. Additional comment forms are provided near the refreshments in the large conference room.

Agenda for Tonight's Event

5:30 pm	Self-guided review of displays and discussions with experts
6:15 pm	Formal presentation (recorded)
7:00 pm	Open forum for public comments (recorded)
8:00 pm	Revisit displays and experts
8:30 pm	Meeting conclusion

The proposed \$250 million Charter Street Heating Plant Rebuild project is a result of an agreement reached in November 2008 between the Department of Administration, the University of Wisconsin, and the Sierra Club to provide non-coal fuel source for steam generation to heat and cool UW-Madison Campus buildings.

Copies of tonight's handouts, video recording of the presentation, PowerPoint presentation, and stations can be found at www.ayresprojectinfo.com/Charter.

Additional comments will be included in the Draft EIS, if received by November 1, 2009. Please direct your comments to:

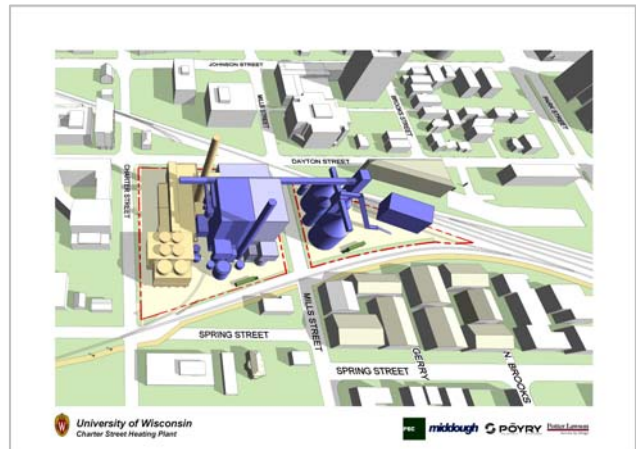
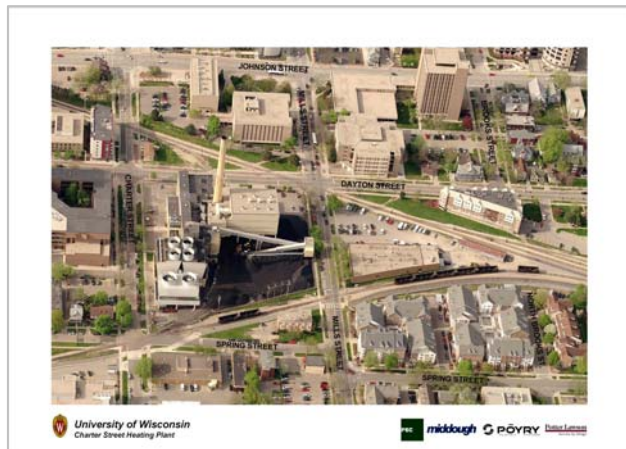
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Thank you for your attendance and participation!

Charter Street Heating Plant (CSHP) Overview

The existing CSHP is a heating, cooling, and cogeneration (electrical generation) plant that was originally constructed in 1959 with cooling added in 1965. The plant currently burns solid fuels (coal, paper pellets), natural gas, and fuel oil to generate 800,000 lbs/hour steam (equivalent heating for around 9,000 homes). Additionally, this steam provides generation capacity for steam turbine driven chillers and an absorption chiller to produce 26,000 tons chilled water (equivalent cooling for around 13,000 homes). Additionally, steam powers a turbine generator that produces 9 MW of electricity for the campus, enough to power approximately 9,000 homes. Generation load in the winter is 650,000 lb/hr, and in the summer it is 325,000 lb/hr.

Boilers at the plant include three 100,000 lb/hr coal-fired boilers (installed 1959), one 200,000 lb/hr coal fired boiler (1965), one 300,000 lb/hr gas/fuel oil fired boiler (1971), as well as two baghouses (1987) to control air emissions.



Conceptual Rebuild Components

The three original 100,000 lb/hr coal fired boilers will be replaced with two new 150,000 lb/hr natural gas and low sulfur distillate fuel oil fired boilers equipped with low NOx burners. The 200,000 lb/hr coal fire boiler (1965) will be modified to permit co-firing of biomass utilizing a grate system with natural gas and low sulfur distillate fuels using low NOx burners. The original burners on the 300,000 lb/hr gas/fuel oil fired boilers will be replaced with new low NOx burners. A new 350,000 lb/hr biomass fired boiler equipped with low NOx natural gas/low sulfur distillate supplemental burners will also be installed along with a new steam turbine generator to generate electricity for campus and plant use.

As part of this project, the plant and supplemental support features will be expanded on the existing site and the 115 N. Mills Street site to the east. An initial component will be razing improvements at 115 N. Mills Street. Additional project aspects include a new rail unloading facility, new rail tracks within existing rail right-of-way from Dayton Street to West Washington Avenue (requiring modification of existing east-west bike path located south of this rail line), new fuel oil storage tank, biomass storage silos, a conveyor system over N. Mills Street, and remote storage/processing facility options.

Impacts Evaluated

The EIS will identify potential impacts involving the physical, biological, social, cultural, and economic environments associated with the proposed project. Specific impacts being given consideration include, but are not limited to, air, noise, viewscape, traffic (rail, vehicular, pedestrian and bicycle), environmental, water, aviation, social and economic.