



Wisconsin Power and Light Company
Corporate Headquarters

4902 North Biltmore Lane
Suite 1000
Madison, WI 53718

Office: 1.800.862.6222
www.alliantenergy.com

Public Service Commission of Wisconsin
RECEIVED: 04/29/16, 8:29:26 AM

April 30, 2016

Ms. Sandra J. Paske
Secretary to the Commission
Public Service Commission of Wisconsin
610 North Whitney Way
Madison, WI 53707-7854

RE:

**Application of Wisconsin Power and Light
Company to Install a Dry Flue Gas
Desulfurization System at the Edgewater
Generating Station on Unit 5**

Docket No. 6680-CE-174

Dear Ms. Paske,

In compliance with Order Point #5 in Docket No. 6680-CE-174, Wisconsin Power and Light Company ("WPL") hereby submits this progress report to the Public Service Commission of Wisconsin on the referenced Dry Flue Gas Desulfurization System project covering the first quarter of 2016.

Should you have any questions please feel free to contact me directly at (608) 458-3924.

Sincerely,

/s/ **Scott R. Smith**

Scott R. Smith
Director, Regulatory Affairs

Edgewater 5 DFGD Project Progress Report – First Quarter 2016
Certificate of Authority, Order Point #5: Submittal of Quarterly Progress Report
Wisconsin Power and Light Company – Docket 6680-CE-174

Project Summary

- On June 4, 2013, the Public Service Commission of Wisconsin (“Commission”) issued an order approving the application for a Certification of Authority to install a Dry Flue Gas Desulfurization System (“DFGD”) at the Edgewater Generating Station on Unit 5.
- The estimated cost of the approved project was \$413,710,000, excluding AFUDC. Order Point #3 requires Wisconsin Power and Light Company (“WPL”) to notify the Commission if, among other items, “the project costs... may exceed the estimated cost by more than 10 percent.” As of this update, the project is currently forecasted to be completed for approximately \$246,300,000; excluding AFUDC. The Project Cost to Date table below provides an update on expenditures to date.
- Construction activities commenced on March 3, 2014.
- WPL selected and issued a full notice to proceed to the Engineer-Procurement-Construction (“EPC”) bidder. This contractor’s scope includes providing the DFGD technology which will be a circulating fluidized bed (“CFB”) scrubber. WPL has signed a contract with the selected bidder.
- At the end of March 2016, the project was on schedule and 97% complete.

Engineering and Procurement Status

- Engineering and Procurement activities were executed during the period of this report to support the project schedule.
 - At the end of March 2016, engineering for the project was 100% complete.
 - At the end of March 2016, procurement by the EPC contractor for the project was 100% complete.

Construction Status

- At the end of March 2016, construction for the project was 93% complete. Major construction activities for the period included:
 - Installing the Train 1 and Train 2 Poppet Actuators;
 - Erecting Train 1 Transition Discharge Duct;
 - Completing Inlet Duct Foundations;
 - Erecting Train 1 & Train 2 Recirculation Ducts and Steam Coils;
 - Erecting Train 1 Inlet and Outlet Ducts;
 - Erecting Train 1 & Train 2 Poppet Damper Walkways and Weather Enclosures;
 - Erecting Byproduct Silo Railroad Enclosure and Penthouse.

Project Costs to Date

Description	Cost (\$) ¹	Actual Spend (\$) ¹ March 31, 2016
Engineering	\$ 23,370,462	\$15,603,176
Procurement - Materials	\$ 7,277,610	\$4,661,070
Procurement - Equipment		
AQCS Equipment	\$ 105,207,858	\$67,633,603
Balance of Equipment	\$ 26,497,008	\$16,877,561
Construction Subcontractors	\$ 70,286,711	\$42,649,173
Construction Contractors (CM and Start-up)	\$ 76,790,362	\$43,002,778
Subtotal EPC Contract	\$ 309,430,011	\$190,427,362
Owner's Cost	\$ 104,279,989	\$20,283,681
Total Project Cost (4Q 2016)	\$ 413,710,000	\$210,711,043
¹ Approved Cost Estimate and Actual Spend (\$) columns do not include AFUDC.		

Project Schedule

