



January 28, 2016

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

Wisconsin Power and Light Company
Corporate Headquarters

4902 North Biltmore Lane
Suite 1000
Madison, WI 53718

Office: 1.800.862.6222
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RE: Joint Application of Wisconsin Power and Light
Company, Wisconsin Public Service Corporation,
And Madison Gas and Electric Company for a
Certificate of Authority to install Emissions
Reduction Systems at the Columbia Energy Center
Units 1 and 2 – Final Cost Report

Docket No. 05-CE-138

Dear Ms. Paske,

In compliance with Order Points No. 3 and No. 4 in Docket No. 05-CE-138 Wisconsin Power and Light Company hereby submits this progress report and final cost report to the Public Service Commission of Wisconsin on the referenced Emission Reduction Project.

Despite having continuing issues with atomizer vibration and other material handling sub-systems, the AQCS systems have performed well. Sulfur dioxide and mercury emissions for 2015 were well under the required limits. The redundancy designed into the systems allowed the AQCS to run at 100% reliability for all of 2015 (no derates or shutdowns associated with the AQCS). This report will only cover the status of the remaining punch list items. The project has been completed at \$588,676,208, which includes the cost of remaining items estimated at \$2,265,352. This is approximately one million dollars less than reported in the last report and is the result of lower cost solutions than originally anticipated.

All of the remaining items are in-progress and the cost estimates are representative of the materials and work being performed. Unfortunately, some of the remaining work requires unit outages to complete and/or long lead times for delivery. The work to address the ice formations from forming at the top of each chimney will occur during the upcoming unit outages (the outage for Unit 1 started on January 16th and the Unit 2 outage is scheduled to begin on February 27th). Also, the lift oil systems for the four AQCS booster fans will be completed during these outages. The third spare atomizer has been ordered and is being manufactured. It is not expected to be on-site until the July/August timeframe.

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

Sincerely,

/s/ Scott R. Smith

Scott Smith
Director Regulatory Affairs
Alliant Energy
Wisconsin Power and Light Company

Columbia 1&2 Emissions Reduction Systems
PSCW Docket: 5-CE-138
Quarterly Progress Report - For PSCW
Actual Project Costs - Through Dec 2015
AFUDC Excluded

Updated CA Reporting Format

Description	CA Cost (\$)	Actual Spend (\$) May 31, 2015	Actual Spend (\$) Dec 31, 2015	Remaining Spending	Total
Engineering	40,113,778	40,611,709	40,611,709	-	40,611,709
Procurement - Materials	26,164,798	26,472,148	26,472,148	-	26,472,148
Procurement - Equipment				-	-
AQCS Equipment	191,648,839	191,700,234	191,700,234	-	191,700,234
Balance of Equipment	42,081,182	41,082,693	41,082,693	-	41,082,693
Construction - Subcontractors	208,042,468	213,109,225	213,109,225	-	213,109,225
Construction - Contractors (CM & Start-up)	39,948,935	40,079,474	40,079,474	-	40,079,474
Subtotal EPC Contract	548,000,000	553,055,484	553,055,484		553,055,484
Applicant's Cost	79,000,000	32,659,439	33,355,372	2,265,352	35,620,724
Total Project Cost	627,000,000	585,714,922	586,410,856	2,265,352	588,676,208

Columbia 1&2 Emissions Reduction Systems
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Updated CA Reporting Format

Description	CA Cost (\$)	Actual Spend (\$) May 31, 2015	Actual Spend (\$) Dec 31, 2015	Remaining Spending	Total
Engineering	\$ 40,113,778	\$ 40,611,709	\$ 40,611,709	\$ -	\$ 40,611,709
Procurement - Materials				\$ -	\$ -
Ductwork	\$ 17,517,616	\$ 17,824,967	\$ 17,824,967	\$ -	\$ 17,824,967
Steel	\$ 8,647,182	\$ 8,647,182	\$ 8,647,182	\$ -	\$ 8,647,182
Procurement - Equipment				\$ -	\$ -
AQCS Equipment	\$ 191,648,839	\$ 191,700,234	\$ 191,700,234	\$ -	\$ 191,700,234
Substation and Switchyard	\$ 16,661,358	\$ 16,718,220	\$ 16,718,220	\$ -	\$ 16,718,220
Monitoring and Control Equipment	\$ 5,267,659	\$ 5,330,266	\$ 5,330,266	\$ -	\$ 5,330,266
ID Fans and Dampers	\$ 11,890,662	\$ 11,890,663	\$ 11,890,663	\$ -	\$ 11,890,663
Material Conveying Equipment	\$ 5,541,560	\$ 5,541,560	\$ 5,541,560	\$ -	\$ 5,541,560
Miscellaneous Balance of Plant	\$ 2,719,943	\$ 6,889,472	\$ 6,889,472	\$ -	\$ 6,889,472
Construction - Subcontractors				\$ -	\$ -
Site Development and Finishing	\$ 17,210,067	\$ 17,222,061	\$ 17,222,061	\$ -	\$ 17,222,061
Substructures	\$ 23,932,755	\$ 26,989,906	\$ 26,989,906	\$ -	\$ 26,989,906
Superstructures	\$ 45,905,124	\$ 45,905,124	\$ 45,905,124	\$ -	\$ 45,905,124
Waste Storage Silos	\$ 2,157,879	\$ 2,157,879	\$ 2,157,879	\$ -	\$ 2,157,879
Metal Buildings and Wall Panels	\$ 11,499,325	\$ 11,499,325	\$ 11,499,325	\$ -	\$ 11,499,325
Insulation and Lagging	\$ 28,769,066	\$ 28,832,241	\$ 28,832,241	\$ -	\$ 28,832,241
Electrical and Substation	\$ 31,398,777	\$ 31,578,288	\$ 31,578,288	\$ -	\$ 31,578,288
Mechanical	\$ 28,654,576	\$ 26,852,039	\$ 26,852,039	\$ -	\$ 26,852,039
Site Services and Service Sub-Contracts	\$ 18,514,899	\$ 16,784,875	\$ 16,784,875	\$ -	\$ 16,784,875
Construction - Contractors (CM & Start-up)	\$ 39,948,935	\$ 40,079,474	\$ 40,079,474	\$ -	\$ 40,079,474
Subtotal EPC Contract	\$ 548,000,000	\$ 553,055,484	\$ 553,055,484	\$ -	\$ 553,055,484
Applicant's Cost	\$ 79,000,000	\$ 32,659,439	\$ 33,355,372	\$ 2,265,352	\$ 35,620,724
Total Project Cost	\$ 627,000,000	\$ 585,714,922	\$ 586,410,856	\$ 2,265,352	\$ 588,676,208

Spare Atomizer
Jacking oil, Stack icing U1 & U2

