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**Optimal Operation of Coal-Fired Boilers with Selective Catalytic Reduction of NO<sub>x</sub>**

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**Abstract**

This project proposes to quantify the benefits that would result from operating a coal-fired boiler with an SCR in an optimal way, in which the boiler and SCR control settings and boiler soot blowing practice are closely coordinated to result in operational improvements such as lower NO<sub>x</sub>, less reagent consumption and better heat rates. The project will also result in preliminary guidelines for carrying out an optimization of this type. Partner companies include Babcock & Wilcox, Inc.