



Power Systems Engineering Research Center

Energy & Water Nexus

Kurt Westermann

Senior Vice President, Renewables & Energy Efficiency
Black & Veatch Corporation

PSERC Public Webinar

December 13, 2011

2:00-3:00 p.m. Eastern Time (11:00-12:00 p.m. Pacific)

Description

There is a growing interdependence between energy and water and the sustainable infrastructure applications needed for producing or treating both. It takes significant amounts of energy to treat, process, and move water and wastewater. In turn, thermal generation (e.g., coal plants, natural gas plants, concentrating solar plants and nuclear plants) requires tremendous water resources to keep plants running smoothly.

With growing global populations (the United Nations estimates that the world's population will go from 6.7 billion today to 10 billion in 30 years), climate change, antiquated energy and water infrastructure and a finite amount of resources (we can't just create more water and fossil fuels are not renewable), we need to reduce the amount of energy to treat, process, and move water and wastewater, and reduce the amount of water used for thermal power generation.

Biography

Kurt J. Westermann is a Senior Vice President and Director of the Renewable Energy and Energy Efficiency Business for Black & Veatch Corporation. Mr. Westermann has a BS in Electrical Engineering and an MBA from Michigan State University, and is a registered Professional Engineer in several states. Mr. Westermann has more than 30 years of experience in design and project management of power and industrial projects in the utility, cogeneration, waste-to-energy, and renewable energy fields. Mr. Westermann is responsible for Black & Veatch's Renewable Energy and Energy Efficiency Business.

Speaker Contact Information:

Kurt Westermann

WestermannKJ@bv.com

Participation by Webinar: To connect to the webinar, [click here](#) and then on **12/13/2011**. The webinar will include the audio and slides (but no video). You will be able to send in your questions via the website. The archived webinar will be available immediately afterwards.

Registration for Webinar Participation: None required. There is no charge for participating!

Webinar Technical Details: To confirm that you will be able to view the webinar, [click here](#) and try viewing one of the archived webinars. You should install [Silverlight 3](#) to view the webinar. If you need additional assistance, send an email to pserc@asu.edu. If your video or audio stop during the webinar, try reinitiating the session. If the video or audio stop during the presentation, you may need to refresh your browser window.

Assistance: If you have any questions, please call 480-965-1643 or email Theresa.Herr@asu.edu. You can also contact Dennis Ray, PSERC Deputy Director, at 608-265-3808 or djray@engr.wisc.edu.

PSERC's Webinar Coordinator

Ward Jewell, Wichita State University

Email: ward.jewell@wichita.edu

Ward welcomes feedback on the webinars and suggestions for future ones.