

Small Modular Nuclear Reactors for the Future: The Babcock & Wilcox “mPower” Reactor

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With Guest Lecturer Jeff A. Halfinger

Project Manager

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This seminar will describe the Babcock & Wilcox Company mPower™ reactor concept, which is a scalable, modular, passively safe, advanced light water reactor system. This reactor features a four-year operating cycle without the need for refueling, and is designed to produce clean, zero-emission operations. **Features of the B&W mPower reactor include:**

- Integral nuclear system design
- Passive safety systems
- Underground containment
- Four-year operating cycle between refueling
- Scalable, modular design is flexible/scaleable for local needs
- Less than five percent enriched uranium
- North American shop-manufactured.

The B&W mPower reactor reduces risks associated with deploying nuclear power and becomes a flexible, cost-effective solution to the U.S. energy needs while lowering greenhouse gas emissions. Each B&W mPower reactor brought online contributes to the reduction of approximately 57 million metric tons of carbon dioxide emissions.

Mr. Halfinger is a seasoned program manager at Babcock & Wilcox.



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