The Babcock & Wilcox Company



B&W Technical Services Group, Inc.

- Nuclear material handling, storage and security
- · Nuclear laboratories
- Weapons complex
- Decontamination and decommissioning
- Strategic Petroleum Reserve



B&W Nuclear Operations Group, Inc.

- Virginia-Class submarine program
- Ford-Class carrier program
- · Refueling
- Fuel processing and fabrication



B&W Power Generation Group, Inc.

- Environmental systems (FGD, SCR, Hg, Particulate, Carbon)
- Coal-fired power generation
- Service, operation and maintenance
- Construction and EPC
- Renewables (Biomass, solar, waste-to-energy)



B&W Nuclear Energy, Inc.

- · Field services
- · Plant modifications
- Component manufacturing and installation
- Fuel design, enrichment and fabrication
- B&W mPower™

B&W PGG Global Operations



- B&W PGG Operations
- Diamond Power Operations
- ☐ B&W Licensee
- ☆ B&W Sales Rep
- ★ Diamond Sales Rep

Extensive experience in manufacturing and sourcing worldwide

B&W is a Major Supplier of Utility Power Plant Equipment



- Wisconsin Public Service Weston 4
- B&W 530 MW Supercritical Boiler
- SCR, Dry Scrubber and Baghouse



- AEP -- Mitchell 1 and 2
- 2 x 800 MW Wet Scrubber Systems

U.S. B&W Installed Capacity and Market Share

	Wet FGD	Dry FGD	Fabric Filter	SCR	Wet ESP
B&W Installed Capacity (MW)	19,966	10,023	8,717	46,607	2,710
Market Share	28%	49%	21%	32%	35%



Timeline for Project Execution

Permitting, RFQ and Contracting Phase



Takes one to two years before Engineer-Procure-Construct (EPC) project begins

Project Execution Phase

EPC Scope: Fabric Filter (30-35 Months) Startup & Testing



EPC Scope: Dry FGD (30-36 Months)

Startup & Testing



EPC Scope: SCR (35-36 Months)

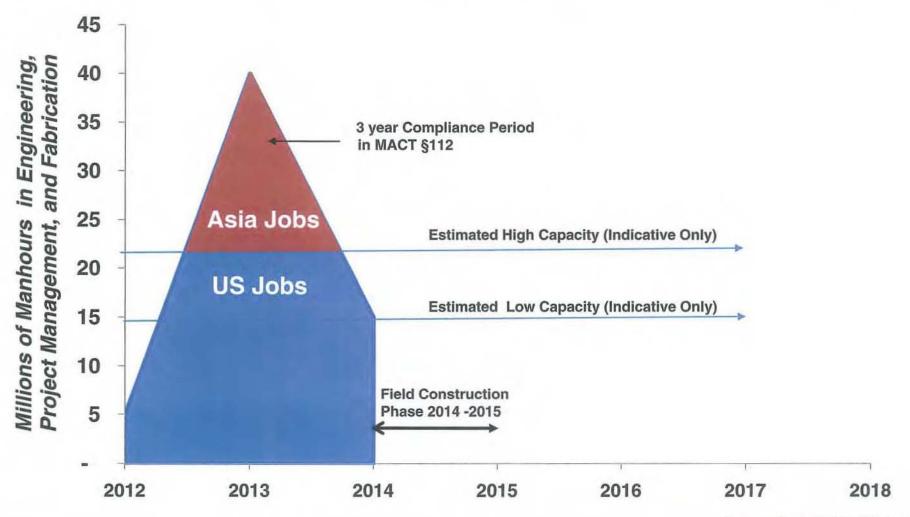
Startup & Testing



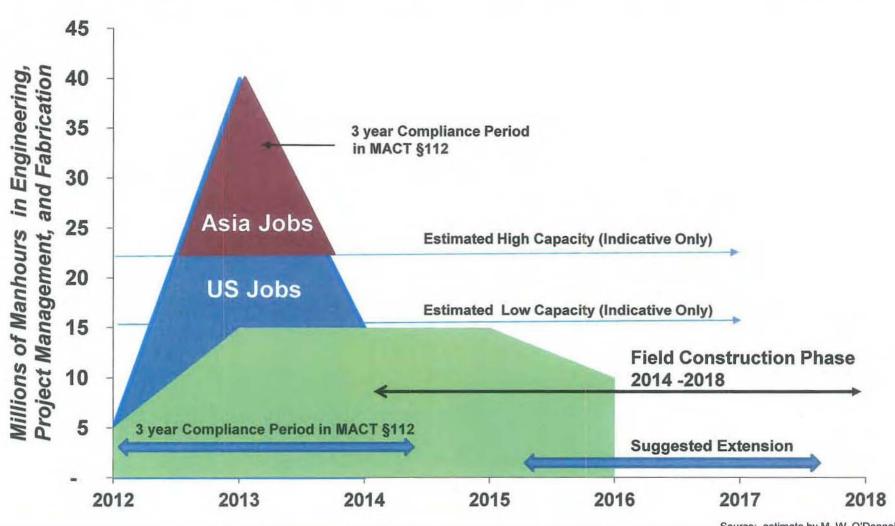
EPC Scope: Wet FGD (40-42 Months)

Startup & Testing

Short Compliance Deadlines Will Lead to Significant Challenges for Engineering, PM and U.S. Suppliers

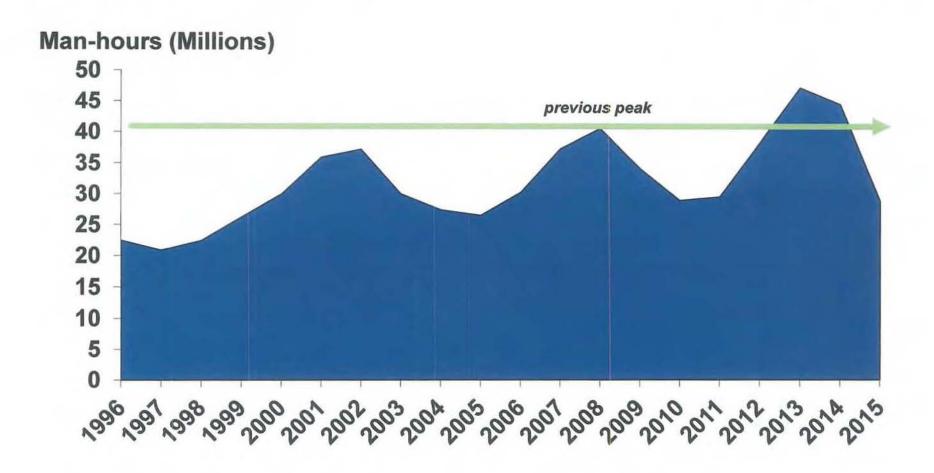


Short Compliance Deadlines Will Lead to Significant Challenges for Engineering, PM and U.S. Suppliers



Total Boilermaker Man-Hour Forecast

3 year compliance schedule requires 16% more man-hours than highest recent peak



Challenges to Achieve Environmental Compliance

- Three year UMACT compliance period cannot be fulfilled due to large number and duration of major projects
- Attempts to meet UMACT three year compliance
 - Will drive extensive U.S. manufacturing, engineering and project management jobs offshore
 - Will increase risk substantially for project cost, schedule completion, and safety
- There is insufficient experienced field craft to construct the required projects within three year period
- UMACT emissions requirements for new installations cannot be met with current technology – no new coal based power plant will be built in the US under the proposed emission limits
- As a major environmental system supplier, B&W urges consideration for a six year compliance period