




Shaw® a world of **Solutions**™



Nuclear Energy Summit

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Shaw[®] a world of Solutions[™]

- The Shaw Group Inc. has grown from a small pipe-fabricating firm into a Fortune 500 company with 27,000 employees
- Shaw serves the energy, chemical, environmental, infrastructure and emergency response markets
- Shaw's corporate headquarters is located in Baton Rouge, La.



POWER



**ENERGY &
CHEMICALS**



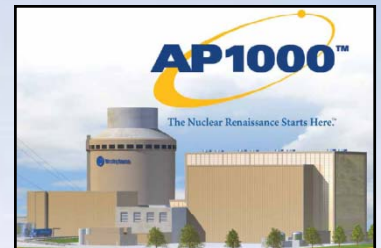
**FABRICATION &
MANUFACTURING**



**ENVIRONMENTAL &
INFRASTRUCTURE**

Shaw Group – Nuclear Capabilities

- Pipe Fabrication
 - Shaw supplies 70% of fabricated pipe in the U.S.
 - Shaw is largest U.S. supplier of nuclear-grade fabricated pipe
- Maintenance
 - Shaw provides maintenance at 42 of 104 U.S. nuclear plants
- AP1000 Consortium
 - Shaw owns 20% of Westinghouse
 - Shaw is the EPC contract for domestic AP1000™ projects and EPCM contractor in China.
- EPC Contracts
 - Shaw/Westinghouse consortium has the first engineering, procurement and construction contracts awarded in three decades to build new U.S. nuclear plants
- Modular Fabrication
 - Shaw/Westinghouse are building a 600,000 sq. ft. fabrication facility in Louisiana to assemble AP1000™ modules



U.S. Nuclear Industry – First Movers



Balancing Perspectives: Regional, National and International

- **Broad Demand**
 - Significant number of countries have stated interest in building new nuclear plants
- **Supply Pipeline**
 - Chokepoints in the supply of components (ultra-heavy forging) will create challenges in meeting potential demand
- **Commitment**
 - Countries and utilities that want to build plants will be forced to make a prompt decision to order components
- **U.S. Supply Chain**
 - Globalization of component fabrication and supply means that U.S. utilities will be competing in an international market for supply of units

Regulatory Opportunities

- **Combined Operating License**
 - NRC must remain dedicated to a timely and predictable licensing effort
 - Delays can significantly impact cost and schedules for utilities and suppliers
- **Component Fabrication/Manufacturing**
 - Continued dialogue with NRC needed to provide appropriate and timely inspection of suppliers
- **One Design/One Inspection Standard**
 - NRC needs to consider cross-utility impacts of regulations imposed on utility contractors

Regulatory Opportunities (cont.)

- **Prioritization of COL Applicants**
 - NRC Commissioners and staff should allocate resources based on which applicants are closest to actual construction
 - Applicants that have not committed to building new units should not receive same treatment as those that have
 - Applicants with EPC contracts should receive priority for regulatory action
 - NRC staff need to become more comfortable differentiating applicants

Other Challenges

- **Atomic Safety and Licensing Board**
 - NRC Commissioners must closely monitor ASLB to ensure panels stay on track
- **ITAAC**
 - Post-construction hearing process needs close Commission supervision to avoid open-ended process
- **Commissioner Engagement**
 - Close involvement by Commissioners is necessary to ensure effective, efficient and timely licensing review by NRC staff
- **Loan Guarantee Program**
 - Given economic challenges, effective administration of Loan Guarantee Program is vital
 - Next Administration should expand scope of funding within the loan program to provide needed job creation and promote investment

What Can States Do To Help?

- **Construction Work in Progress**
 - Allowing utilities to recoup new-build costs in the rate base during construction is the most significant incentive that state PUCs can undertake
- **Worker Training**
 - States must renew their commitment to support vocational/technical training to complement similar investments by utilities, constructors and unions



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