

Construction Readiness Update

Commission Briefing - Oct. 22, 2008

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Fluor Current Nuclear Activities

- ◆ **EPC contractor for Toshiba on STP 3&4**
- ◆ **Duke Oconee Tornado Barrier Capital Project**
- ◆ **EPC contractor for USEC Uranium Enrichment Plant**
- ◆ **Savannah River Site M&O Contract**
 - Other DOE clean-up activities

Workforce Issues - Texas

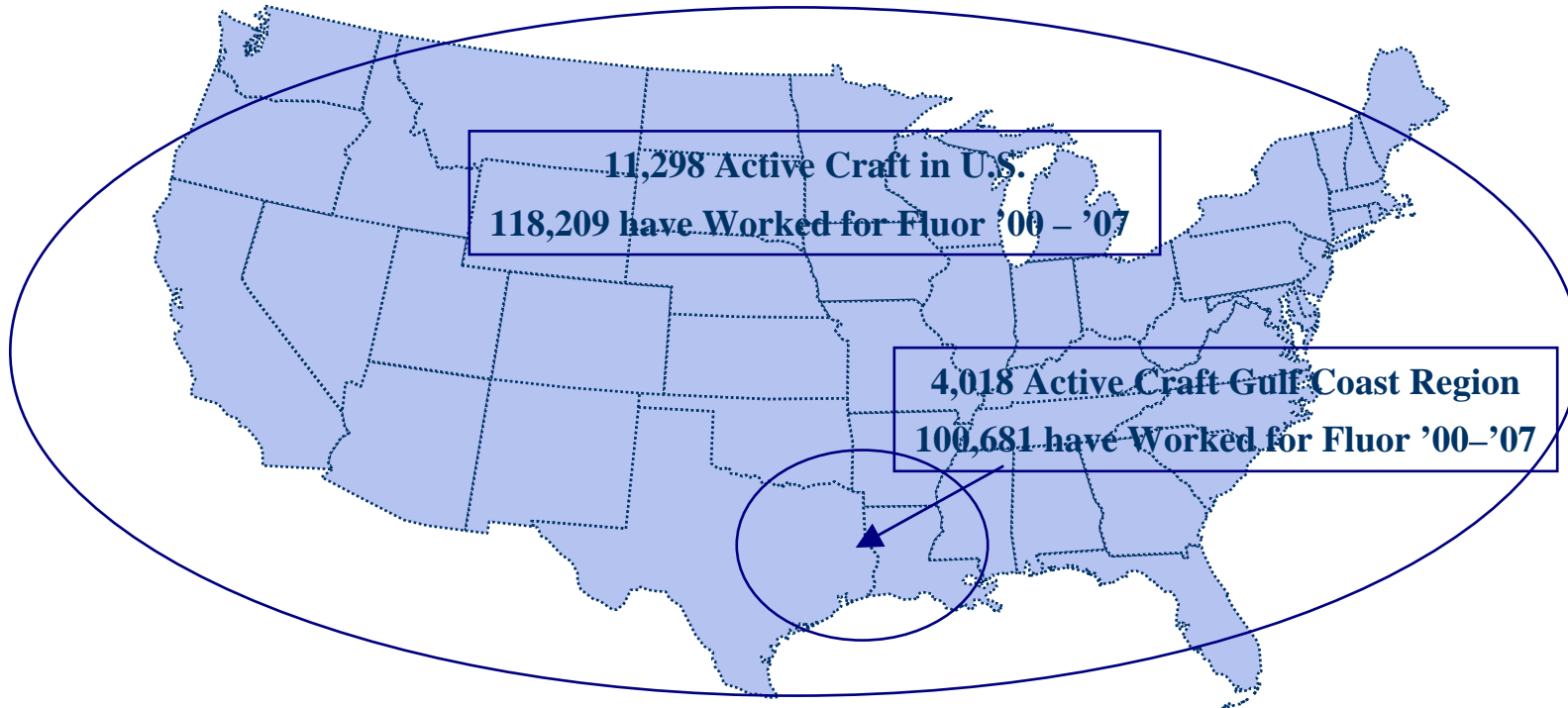
◆ Labor challenges well understood:

- Significant shortage of skilled craft labor currently, and projected (over 30,000 construction workers needed)
 - Area undergoing a significant construction boom
 - Current plans for many owners were influenced by hurricane Ike (and its predecessors)
 - Houston area industrial construction market dominated by open shop craft
- Main Craft Staffing Challenges:
 - Where we will get craft
 - How we will train them
 - How we will retain them

Workforce Solutions

- ◆ **Present workforce solution plan for STP 3&4 is a combination of open shop and union construction**
- ◆ **Reducing on-site craft needs through modularization**
 - Many of today's reactor designs employ significant modularization
 - Including the Toshiba ABWR's we will install for STP 3&4
 - Fluor has been extensively using modularization for over 30 years and has done so on over 1,000 projects globally
- ◆ **Attracting, training, and retaining current and new craft workers**
 - We must attract, train and employ new craft now
 - OJT & continued development key for nuclear construction skills

Recent U.S. Craft Experience



Fluor executes projects in open shop and union environments.

Craft Workforce Development Training Resources

◆ Training, Skills Assessment and Certification

- NCCER Curriculum utilized
- Craft Online Skills Assessments
- Craft Performance Verifications
- Field Supervisor Development

◆ Benefits of Fluor Craft Training Programs

- NCCER Curriculum utilized
- Variable delivery platform
- Individually paced

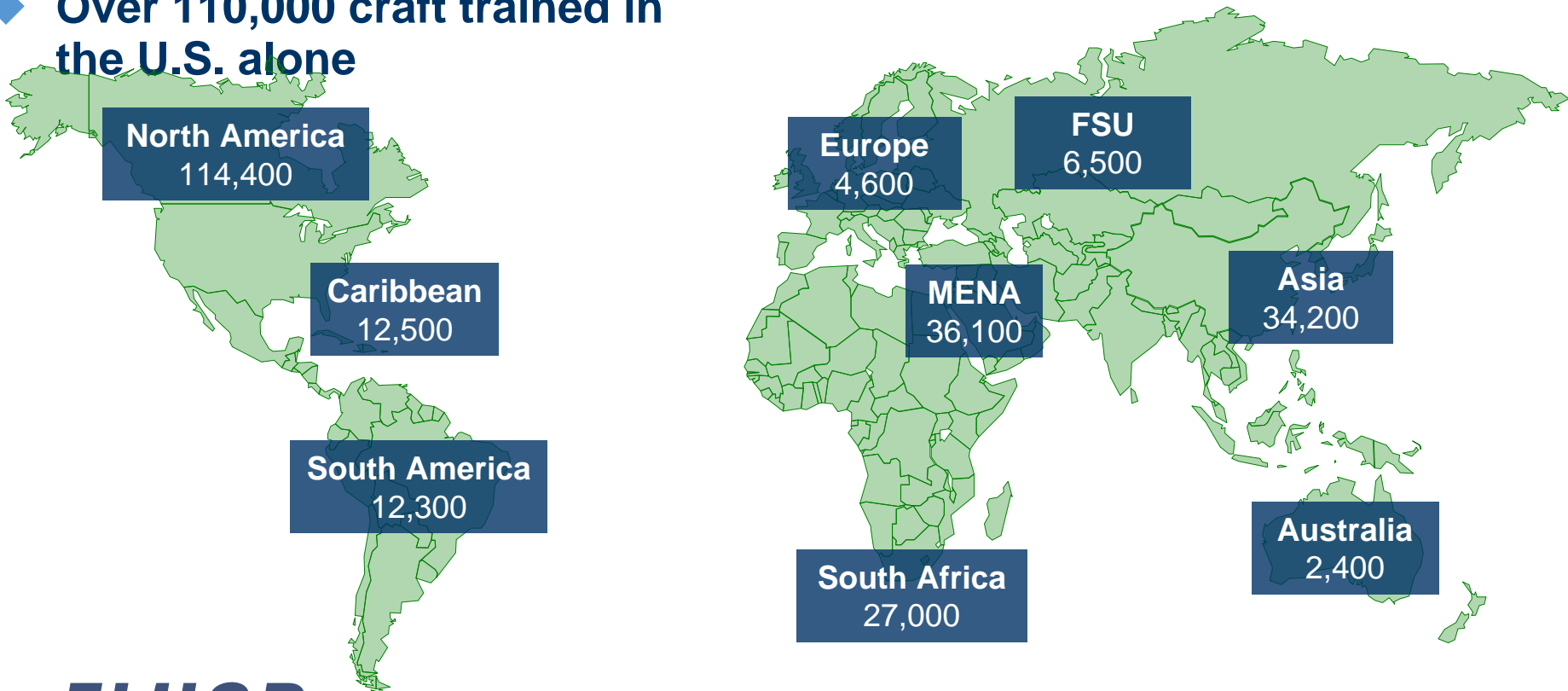
◆ Training Focus

- Welder pre-employment entry and upgrade training
 - Tech schools partnerships
 - Fluor centers (Houston, Job sites, Louisiana)
- Target training on developing Fluor advanced helper-level employees
 - Mid to top level helpers
 - Not training just for NCCER certification
- Implement placement and retention
 - 100% Hiring commitment
 - Formally track and manage

Meeting the Growth in Demand for Skilled Labor

Past 30 Years, Fluor has Trained 250,000 Craft

- ◆ Global experience transferring knowledge, skills and abilities
- ◆ Over 110,000 craft trained in the U.S. alone



STP Labor Action Plan

◆ Key elements underway or to be deployed:

- Early identification of the problems and potential solutions
- Developing public private partnership
- Identifying the target audience
- Establishing the paths and methods to best reach the target audience
- Identifying the most effective incentives to attract and retain your target audience

STP Labor Action Plan, cont'd...

◆ Attracting potentially interested students

- Hired local educator / training coordinator
- Canvassing each high school w/in 100 miles (each 6 months for 3 years)
- Supplement through regular job fairs/advertising

◆ Arranging training infrastructure and coursework

- Develop a local training center
- Partner with local colleges to conduct training
- Fund through public/private partnership

◆ Assuring continued, local development opportunities

- Work with others to ensure local jobs (OJT) to graduates
 - Fluor's Oak Grove & Port Arthur projects
 - Bechtel's Sandow & Port Arthur projects
 - STP outage and O&M work
- Offer advanced training through Fluor's craft development program
- Regularly communicate with all graduates throughout licensing period

Strategic Partnerships – Learning from Japan

- ◆ **There are various forums on the STP 3&4 Project for exchanging lessons learned. An example of one in particular that has been extremely effective:**
 - **The STP Construction Team Meeting:**
 - Led by Fluor (5th one just completed)
 - Participants from:
 - STPNOC
 - Toshiba/TANE
 - IHI
 - Kajima
 - Sargent & Lundy
 - An intense, collaborative process, focusing on:
 - Construction techniques
 - Construction sequencing
 - ITAAC
 - Quality
 - Constructability
 - Logistics
 - Modularization
 - Etc.