New Nuclear Deployment
Virgil C. Summer Nuclear Station
Activities at the Site

- Worlds largest derrick (crane) in use
- Training on simulators
- Completed CV lower bowl
- Welding U2 CV rings
- Switchyard – energized
- Receiving CA-20 submodules
- Erecting cooling towers
- Assembling condensers
- Poured >30,000 cu yds NSR concrete per unit
- Poured U2 turbine bldg basemat
- Placing U3 mud mat
- Unit 2 FNC complete
Construction 2012 Milestones

• Second Quarter
  – Set CR-10
  – Module welding continues
  – Install unit 3 water proof membrane

• Third & Fourth Quarter
  – Set Unit 2 Lower containment Vessel head
  – Set CA-20
  – Pour unit 3 basemat
Other NND Stuff

- Received NPDES permit
- Ops initial Accreditation by NANT
- CB&I acquires Shaw
- Toshiba now 87% owner of Westinghouse
- Westinghouse new CEO Danny Roderick
- Initial licensed operator class started
- Duke still involved with Santee on ownership
Unit 2 Nuclear Island

Forming - No Concrete placed March 2012

Dental Concrete April 2012

Vapor Barrier

Mud mat July 2012

Rebar Cage February 2013
Start of FNC Pour
Concrete Pumper

The Whole 9 Yards
Poured for 50+ Consecutive Hours
Turbine Building

Nearing End of FNC Pour
NI Basemmat Issue

• One sump & two elevator sumps require additional 6” rebar
• Adds little concrete to 6800 cubic foot basemmat.
• < 1% of 32,000 sq ft surface affected
Containment Vessel

Top Head

Ring 3

Ring 2

Ring 1

Bottom head
Unit 2 Containment Vessel Fabrication
2A Mechanical Draft
Cooling Tower
Limited Scope Simulator
V.C. Summer 2 & 3 Equipment Fabrication

U2 Integrated Head Package Fit-up

Integrated Head Package Lift Rig

Premier Technologies; Blackfoot, Idaho
Doosan Manufacturing Update

Unit 2 RV-Ready to Ship

Hydro test Complete for Unit 2A SG

Upper internal welding of Final Vessel for Unit 2B SG
Mangiarotti Manufacturing Update

CMT – Unit 3 Upper Pedals

ACC – Unit 2 – Tanks 1 & 2

CMT – Unit 2 Tanks 1 & 2

ACC – Unit 3 - Tank 2 – Shell to Lower Crown
Generator Rotor

Low Pressure “A” Turbine

Low Pressure “B” Turbine – Prep for Blade Assembly
New Nuclear Projected Cost (in billions)

Note: Reflects new nuclear projected costs as filed February 2013 in BLRA Quarterly Report