What If…

Entergy CNO:

“Hey Ludlam, what are you doing with the Pilgrim simulator?”
Centralized Training Facility

- 100,000 ft² facility, 2 simulators, multiple classrooms, labs, distance learning capability, staff/meeting space
  - $30M Investment
  - Partnership with local colleges
  - One-stop shop for all initial training
  - Significant savings by centralizing initial savings

- Why?

Facility pays for itself in 7 years!
Centralized Training Facility
Moving Pilgrim’s Simulator

• Logistics
  – Projects budgeted ~$1.2 million for an “ALL-IN” cost
  – Lots of Entergy groups involved, Fed/State Tax, Legal, Decommissioning, Projects, Training, and others.
    • Had some growing pains due to first time evolution and crossing the de/regulated streams.
  – Exitech was chosen as the vendor….they have done this before
    • Winston Auduong.
    • T&N Van lines was used to do the lifting and moving…they have worked with Exitech in the past

• Ball started rolling in May and we finished the week of Thanksgiving
  – Most of this time was spent wading through legal and tax issues
Before (that’s Winston)
Moving Pilgrim’s Simulator

- Roof hatch hadn’t been opened since installed in the early ‘80s

Yep. This thing came out of the roof. It was built on the second floor of a converted school house.
Panels weighed up to 3900lbs each.

We loaded 6 semi trailers with “stuff”.
• Entire process was conducted without injury or damage to equipment.
Temporary Lodging
PWR Simulator Options

• Palisades
  – Combustion Engineering (CE) unit
  – Not available until 2022

• IPEC 3
  – Not a CE unit
  – Large footprint

• IPEC 2
  – Not a CE unit
  – Physical location makes removal extremely difficult
  – Available this summer

• Ft Calhoun
  – CE unit that was used to validate CEN-152 (EOP’s)
  – Available now
  – Footprint is similar to Pilgrim
  – Not an Entergy owned asset
Entergy Fleet Simulator Health

- **Best:** ANO, PAL, WF3, IPEC, CNS
  - Low backlogs, no open modifications, experienced staff, great support from site, extensive spare parts

- **Challenged:** RBS, GGNS
  - Management of backlogs, impact from model upgrades, few spare parts, site prioritization issues, staffing

- **Corporate View**
  - (+) Corporate Simulator Oversight Lead (Dave Williams)
  - (-) Consistency in construction of vendor support contracts
  - (-) Control of upgrade budgets, priorities
  - (-) Simulator staff bench-strength
  - (-) Allowed sites to become isolated

- **What’s Next?**