Progress Energy Nuclear Plants

- Five nuclear units in southeastern US
  - North Carolina
    - Harris 1
    - Brunswick 1
    - Brunswick 2
  - South Carolina
    - Robinson 2
  - Florida
    - Crystal River 3
Progress Energy Experience

- 210 shipments
- 375 casks
- 5200 spent fuel assemblies
- 1,200 MTU
- No radioactive spills or releases
- No radiation exposure to train personnel or general public
Transportation History

- From Robinson to Brunswick – 1977-1981
- From Robinson to Harris – 1990-2004
- From Brunswick 1 & 2 to Harris – 1989-2008
Program Overview

- Own, maintain & operate equipment
  - Four shipping casks
  - Eight railcars
  - Two cabooses
  - Support equipment

- Detailed procedures

- Trained & experienced staff for loading, unloading & transportation
Support Organizations

- Utilize CSX engine and track
- Coordinate with local, county, state and federal organizations
Summary

- Spent nuclear fuel is being transported safely and effectively in US
- Existing utility transportation experience and lessons learned can be applied to DOE