



Combined License Application Mandatory Hearing Florida Power & Light Company Turkey Point Units 6 and 7

- Overview Panel
- December 12, 2017



Panelists

- Vonna Ordaz – Deputy Director, NRO
- Frank Akstulewicz – Director, NRO/DNRL
- Anna Bradford – Deputy Director, NRO/DNRL

Overview of Staff Review

- Turkey Point COLA
- AP1000 Design Certification
- Turkey Point COLA Overview – Safety
- Turkey Point COLA Overview – Environmental
- Summary of Staff Findings

Turkey Point COLA Overview: Safety Review

- Incorporates by reference the AP1000 DCD, Revision 19
 - NUREG-1793 and supplements
- Use of Design-Centered Review Approach for Subsequent COLAs
- Review focused on plant-specific information, COL information items, and DCD departures

Turkey Point COLA Overview: Safety Review

- ACRS Review, 10 CFR 52.87
 - Subcommittee: Aug. 2016
 - Full Committee: Sept. 2016
 - ACRS Report: Sept. 16, 2016
 - Supported COL issuance
- FSER issued Nov. 14, 2016

Required Findings – 10 CFR 52.97

1. Applicable standards and requirements of the AEA and the Commission's regulations have been met
2. Required notifications to other agencies or bodies have been duly made

Required Findings – 10 CFR 52.97

3. Reasonable assurance that the facility will be constructed and will operate in conformity with the license, the AEA, and NRC regulations
4. Applicant is technically and financially qualified to engage in the activities authorized

Required Findings – 10 CFR 52.97

5. Issuance of the licenses will not be inimical to the common defense and security or to the health and safety of the public
6. Findings required by Subpart A of 10 CFR Part 51 have been made

Turkey Point COLA Overview: Environmental Review

- EIS completed in accordance with:
 - National Environmental Policy Act of 1969
 - 10 CFR Part 51
- U.S. Army Corps of Engineers and National Park Service were cooperating agencies
- NRC and Corps were the review team

Turkey Point COLA Overview: Environmental Review

- Staff followed a systematic approach to evaluate impacts:
 - Solicited and reconciled scoping comments
 - Conducted technical review

Turkey Point COLA Overview: Environmental Review

- Issued draft EIS for public/stakeholder comment
- Considered and responded to comments in preparing final and supplemental EIS

Turkey Point COLA Overview: Environmental Review

- FEIS published Oct. 28, 2016, as NUREG-2176
- Supplement published Dec. 2, 2016

Record of Decision

- States the decision
- Identifies alternatives considered
- Discusses preferences among alternatives
- States whether the Commission has taken all practicable measures to avoid or minimize environmental harm

Required Findings – 10 CFR 51.107(a)

1. Requirements of Section 102(2)(A), (C), and (E) of NEPA and the regulations in 10 CFR Part 51, Subpart A, have been met
2. After considering the final balance among conflicting factors in the record of the proceeding, the appropriate action is issuance of the COLs

Required Findings – 10 CFR 51.107(a)

3. After weighing the environmental, economic, technical, and other benefits against environmental and other costs, and considering reasonable alternatives, the COLs should be issued
4. The staff's NEPA review has been adequate

Overview of Panel Presentations

Panel	Issues Discussed
Safety (FSER)	<ul style="list-style-type: none">• Storm Surge and Sea Level Rise• Deep Well Injection for Liquid Radioactive Waste Disposal
Environmental (FEIS)	<ul style="list-style-type: none">• Cooling Water Sources• Alternative Sites• Critical Habitat• Endangered Species Act Consultation Effort

Acronyms

- ACRS – Advisory Committee on Reactor Safeguards
- AEA – Atomic Energy Act
- CFR – Code of Federal Regulations
- COLA – Combined License Application

Acronyms

- DCD – Design Certification Document
- DNRL – Division of New Reactor Licensing
- EIS – Environmental Impact Statement
- FPL – Florida Power & Light Company

Acronyms

- FSER – Final Safety Evaluation Report
- NEPA – National Environmental Policy Act
- NRO – Office of New Reactors
- SCOL – Subsequent Combined License