

## PMComanchePeakPEm Resource

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**From:** Otto, Ngola  
**Sent:** Thursday, August 04, 2011 11:39 AM  
**To:** Woodlan, Don  
**Cc:** Monarque, Stephen; Conly, John; ComanchePeakCOL Resource; Evans, Todd; Bird, Bobby  
**Subject:** RE: 2011-08-02 Woodlan, Comanche Peak Chapter 8 - Draft ACRS Presentation  
**Attachments:** NRC Staff CPNPP Chapter 8 COL ACRS Presentation .pptx

Don,

Attached is our current draft presentation for chapter 8.

Thank you

Ngola Otto  
Project Manager, US-APWR Projects Branch  
Division of New Reactor Licensing  
Office of New Reactors  
(301) 415-6695

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**From:** Woodlan, Don [<mailto:Donald.Woodlan@luminant.com>]  
**Sent:** Tuesday, August 02, 2011 12:33 PM  
**To:** Otto, Ngola  
**Cc:** Monarque, Stephen; Conly, John; ComanchePeakCOL Resource; Evans, Todd; Bird, Bobby; [nicholas.kellenberger@mnesc-us.com](mailto:nicholas.kellenberger@mnesc-us.com); 'tapia\_joseph@mnesc-us.com'; [russell.bywater@mnesc-us.com](mailto:russell.bywater@mnesc-us.com)  
**Subject:** 2011-08-02 Woodlan, Comanche Peak Chapter 8 - Draft ACRS Presentation

Ngola,

Attached is our draft presentation for ACRS. Todd Evans has the lead to develop the slides and will be making the presentation for us.

Please let us know if you see any conflicts or unnecessary overlap with your presentation. We plan to submit our final slides to ACRS one week before the briefing.

**Donald R. Woodlan**

Manager, Nuclear Regulatory Affairs

**Luminant Power**

O- 254-897-6887 C- 214-542-7761

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**From:** Otto, Ngola

**Created By:** Ngola.Otto@nrc.gov

**Recipients:**

"Monarque, Stephen" <Stephen.Monarque@nrc.gov>  
Tracking Status: None  
"Conly, John" <John.Conly@luminant.com>  
Tracking Status: None  
"ComanchePeakCOL Resource" <ComanchePeakCOL.Resource@nrc.gov>  
Tracking Status: None  
"Evans, Todd" <Eric.Evans@luminant.com>  
Tracking Status: None  
"Bird, Bobby" <Robert.Bird@luminant.com>  
Tracking Status: None  
"Woodlan, Don" <Donald.Woodlan@luminant.com>  
Tracking Status: None

**Post Office:** HQCLSTR02.nrc.gov

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# **Presentation to the ACRS Subcommittee**

**Comanche Peak Nuclear Power Plant, Units 3 and 4  
COL Application Review**

**Safety Evaluation Report**

**CHAPTER 8: ELECTRIC POWER**

August 17, 2011

# Staff's Presentation Order



- **Stephen Monarque** - Comanche Peak COLA Lead Project Manager
- **Ngola Otto** - Project Manager
- **Tania Martinez Navedo**- Technical Staff Presenter

# Overview of COLA Review

SRP Section/Application Section		No. of Questions	Number of OI
8.1	Introduction	2	1
8.2	Offsite Power System	30	1
8.3.1	Onsite Power System	1	0
8.3.2	DC Power System	0	0
8.4	Station Blackout	3	0
<b>Totals</b>		<b>36</b>	<b>2</b>

# Section 8.1 Electric Power

## Introduction



- ***Open Item No. 08.01-1 (RAI 2576, Question 08.01-2)***
  - ♦ COL Information Item No. 8.2(3) – switchyard description
  - ♦ Issue:
    - GDC 5 is applicable to Comanche Peak because its switchyard is shared between 2 units.
    - COL applicant was requested to address how it meets GDC 5, in terms of the capacity of the transmission lines and switchyard components to support loads in the event of an accident in one unit and safe shutdown of the adjacent unit.
- Subsequently, the applicant committed to provide a demonstration of compliance with GDC 5.

## Section 8.2

# Offsite Power System



- ***Open Item No. 08.02-1 (RAI 5116, Question 08.02-30)***
  - ♦ COL Information Item No. 8.2(11) – Offsite power stability studies
  - ♦ Issue:
    - The Comanche Peak FSAR language is not consistent with the DCD language with respect to the 3-second time delay after a turbine trip to maintain adequate voltage to the Reactor Coolant Pumps in the following area:
      - The DCD states that the main generator breaker is opened by the turbine trip signal after a time delay of 15-seconds
      - The Comanche Peak FSAR states that the main generator breaker is opened by a reverse power relay after a time delay of 15-seconds
- Subsequently, the NRC staff has requested the DCD applicant to clarify the language in the DCD to eliminate the inconsistency between the two documents.

# Acronyms



- COL – combined license
- COLA – combined license application
- DBA – design basis accident
- FSAR – Final Safety Analysis Report
- GDC – General Design Criteria
- IBR – incorporated by reference
- SER – Safety Evaluation Report
- RAI – request for additional information
- RCOL – reference combined license