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# COLA Impact From Ancillary Diesel Generator Design Change

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# Objectives

- Discuss GEH – customer interactions prior to final adoption of ancillary diesel generator (ADG) design change
- Discuss COLA changes necessary to address ADG design change
  - Note: This discussion of COLA sections impacted is preliminary; additional/different sections may be revised pending a more comprehensive review of DCD Rev 5 and site specific analyses

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# Final ADG Building Location: GEH – Customer Interactions

- Frequent GEH – customer interactions through the Technical Oversight Group (TOG)
  - TOG is made up of engineering representatives from ESBWR DCWG utility members (Dominion, Entergy, Detroit Edison, Exelon)
- Selection of final ADG building location
  - Addressed concerns of all DCWG members
  - Satisfied GEH DCD design criteria
- DCWG collaborative success

# COLA Changes Resulting From ADG Design Change

- Figures - typical
  - FSAR
    - Site Plot/Layout Plans
    - Site Drainage Plans
    - Well Locations Plans
    - Slope Stability Plans
    - Site Exploration Maps
    - Structure Contour Maps
    - Fire Protection Yard Drawings
  - ER
    - Facility Layout Drawings
    - Well Location Maps

# COLA Changes Resulting From ADG Design Change (cont.)

- Other FSAR changes
  - Table 2.2-201 update to add new fuel oil storage tanks
  - Section 2.4
    - There will be an impact on the grading in the area of the ADG building, and the drainage design will have to be revised
    - Flooding (from local PMP) calculation will be reviewed for impact
  - Section 2.5
    - No additional subsurface explorations necessary for the Seismic Category II building.

# COLA Changes Resulting From ADG Design Change (cont.)

## ■ Other FSAR changes (cont.)

### □ Section 9.5.4

- COL Item 9.5.4-1-A: Revise discussion regarding fuel oil inventory maintenance
- COL Item 9.5.4-2-A: Revise discussion regarding protection of underground fuel oil transfer system piping as required

# COLA Changes Resulting From ADG Design Change (cont.)

## ■ Environmental Report

- Air impacts; another emissions source to consider for permitting
- Updates to Tables 3.0-201 (comparison of site parameters for DG emissions); 3.0-204 (note 6), and 3.0-205 (yearly emissions from DGs)
- Section 3.6 – possible mention of new ADGs, inclusion of new DGs
- Sections 4.1 and 5.1 – possible discussion regarding land use impact (no new “undisturbed” land involved)
- Section 5.5.1.3 (non-radioactive gaseous effluents) – review for possible impact

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# COLA Changes Resulting From ADG Design Change (cont.)

- **Security Plan**

- Site plot drawings
- Factor into security system designs

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# COLA Changes Resulting From ADG Design Change (cont.)

- Comprehensive DCD Rev 5 review planned in July with GEH engineers and customer staff to ensure that all COLA impacts from DCD Rev 5 are identified

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# Questions?