Reporting Item

BOARD OF DIRECTORS

April 19, 2022

ITEM

Nuclear Oversight Committee Report

PURPOSE

The Nuclear Oversight Committee provides a regular oversight of items related to the Fort Calhoun Station (FCS) nuclear plant.

FACTS

In addition to safe and secure dry cask storage of fuel, the required Preventative Maintenance tasks and Surveillance Tests, the following major decommissioning activities were conducted:

- Segmentation of the reactor vessel internals continues to progress on schedule. The mechanisms for both cutting and handling of the material for disposal continue to operate reliably. Packaging and transport of this material from site are conducted on a regular basis.

- Demolition of the Auxiliary building continues on track as mechanized equipment advances through the structure. Systematic transfer of debris material to the processing structure remains consistent with projections.

- Materials continue to be extracted from the interior of the Turbine building. Recently major components such as the high and low pressure turbines were safely removed allowing the recycling process of these items to commence.

RECOMMENDED: APPROVED FOR REPORTING TO BOARD:

Troy R. Via
Chief Operating Officer and
Vice President Utility Operations

L. Javier Fernandez
President and Chief Executive Officer

TRV:tsu
FCS Demolition & Waste Disposal Update

Containment

Auxiliary Building

Containment Waste Structure

Turbine Building
Reactor Vessel Internal (RVI) Segmentation
Shipping Container Operations

Gantry Crane & Rail System

Shipping Container
RVI Material Segmentation & Packaging

Material Containers

Core Barrel

Shroud Cutting in Progress

Alignment (bottom) Plate
Shipping Container Operations

View from inside containment looking into temporary structure

Sliding Platform

RVI Material Shipments

- Shipped
- Remaining
Auxiliary Building Demolition
Beginning of Structural Demo

End of First Day

End of First Week

End of First Month

Material Shipments by Year

Completed

2025

2022

2024

2023
Turbine Building Demo
Turbine Generator Removal Progress

Turbine Section 1

Rotors Removed

Cutting shaft between Sections 2 & 3
Concrete recycled to date > 12,000 tons
Scrap metal recycled to date > 2,000 tons