Fort Calhoun Station
Decommissioning Update
October 2021

Tim Uehling – Senior Director FCS Decommissioning
Agenda

• Major accomplishments
• Future activities preview
• Performance Challenges & Opportunities
• Questions
Future Activities Timeline *(slide from Oct. 2020 Board presentation)*

By the end of 2021

- Containment ready for RVI* work
- RVI segmentation equipment on-site
- Rail & waste processing facility operational
- Several clean building demos complete
- License Termination Plan submitted to NRC
- Improve safety performance

*RVI = Reactor Vessel Internal
Future Activities Timeline ( *slide from Oct. 2020 Board presentation)

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ACCOMPLISHED
Safety Performance

• Continued safe, secure storage of spent nuclear fuel
• No challenges to nuclear or radiological safety
• No challenges to environmental safety
• No OPPD employee DART injuries since 2018
Preparing for RVI Equipment Move-In
Preparing Containment for RVI
RVI Equipment On-Site
Rail & Waste Processing Facility Operational
Warehouse Demolition
Chemistry & Maintenance Building Demolition
Security Building Demolition
License Termination Plan Submitted

OCA: Owner Controlled Area

DA: Deconstruction Area

ISFSI: Independent Spent Fuel Storage Installation
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• Turbine building demo complete: 3Q2022
• Auxiliary building demo complete: 4Q2022*
• RVI segmentation complete: 1Q2023
• Reactor vessel segmentation complete: 3Q2023
• Containment equipment removed: 4Q2024
• Containment demo complete: 3Q2025
• Substantially complete: 4Q2025
• Final Status Survey complete: 4Q2025
• License termination: ~4Q2026

*Note: date improved over original plan (opportunity to gain margin)
Segmentation

- Reactor Head & Seismic Skirt
- Reactor Vessel Internals
- Reactor Vessel
RVI Segmentation
RVI Segmentation

Band Saw & Turntable

Disk Saw

Shear
RVI Segmentation
RVI Segmentation

Illustration Only – Not the FCS specific system
RV Segmentation

- 3-axis system
- Support facility
- Oxy fuel system
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Performance Challenge

Decommissioning is a complex, dynamic project made up of numerous interrelated & interdependent sub-projects.

Ebbs and flows in schedule and cost performance against the original schedule are expected and continue to occur based on these challenges.

Not every individual project comes in on-time and on-budget with the initial estimate.
Complexity & Coordination Illustration
Continuous Improvement Opportunity

• Despite the complex challenges, overall project substantial completion is targeted by the end of 2025, with our financial estimate at completion on track with the planned budget

• Our opportunity is to further refine individual project scopes, schedules, costs, and critical interfaces between projects to maximize safe, efficient deconstruction while continuing to meet environmental and regulatory commitments