

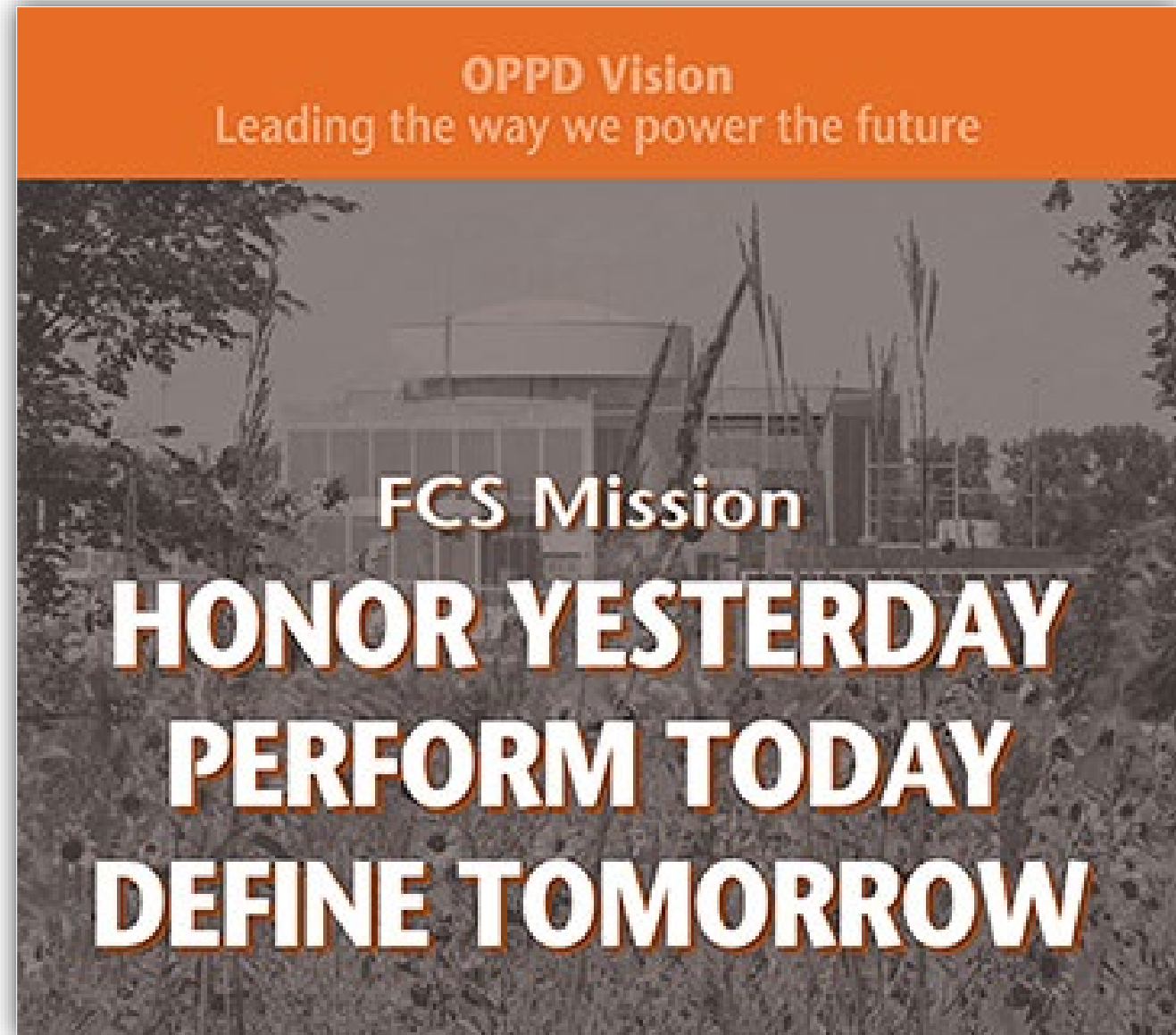
# **Fort Calhoun Station Decommissioning Update October 2020**

Tim Uehling – Senior Director FCS Decommissioning



# Agenda

- Major accomplishments
  - The year in photos
- Future activities preview
  - Timeline
- Performance
  - Opportunities
  - Successes
- Questions



# Major Accomplishments

- Fuel moved
  - 30 canisters, 944 fuel bundles
    - First bundle: Oct. 14, 2019 at 1156
    - Final bundle: May 8, 2020 at 1355
- ISFSI Operations Facility built
  - Operational June 2020
  - Provides operation & security base for long-term fuel storage





# Spent Nuclear Fuel Moved to Dry Storage





# ISFSI Operations Facility



# ISFSI Operations Facility





# Major Accomplishments (continued)

- Legacy Large Components
- Temporary flood protection
- Diesel generators
- Building isolation & material removal
- Deconstruction power ring
- Containment tendon removal
- Site modifications

# Legacy Steam Generator Shipment





# Flood Protection





# Diesel Generator Removal





# Diesel Generator Removal



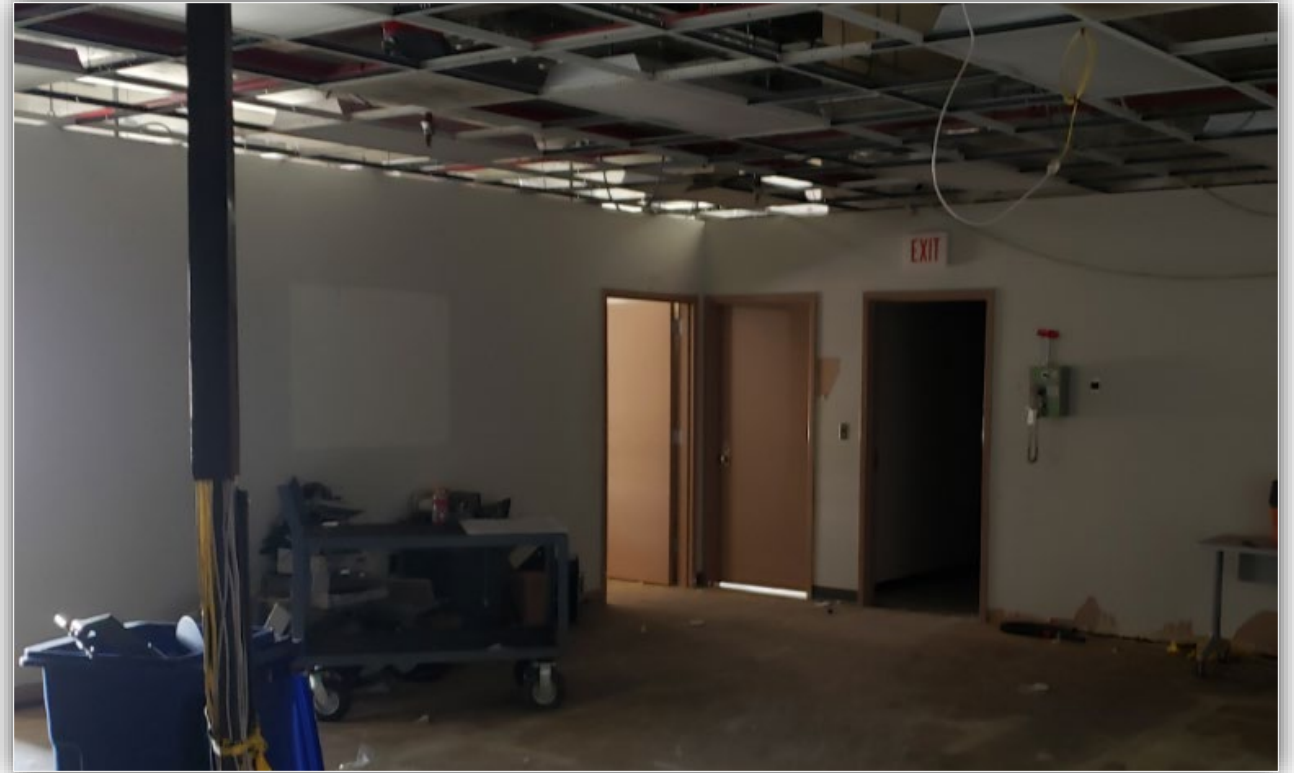


# Building Abandonment





# Building Abandonment



# Transformer Abandonment & Recycling





# Deconstruction Power System Installation



# Containment Tendon Removal





# Containment Tendon Removal





# Year in Photos – Preparing for DECON



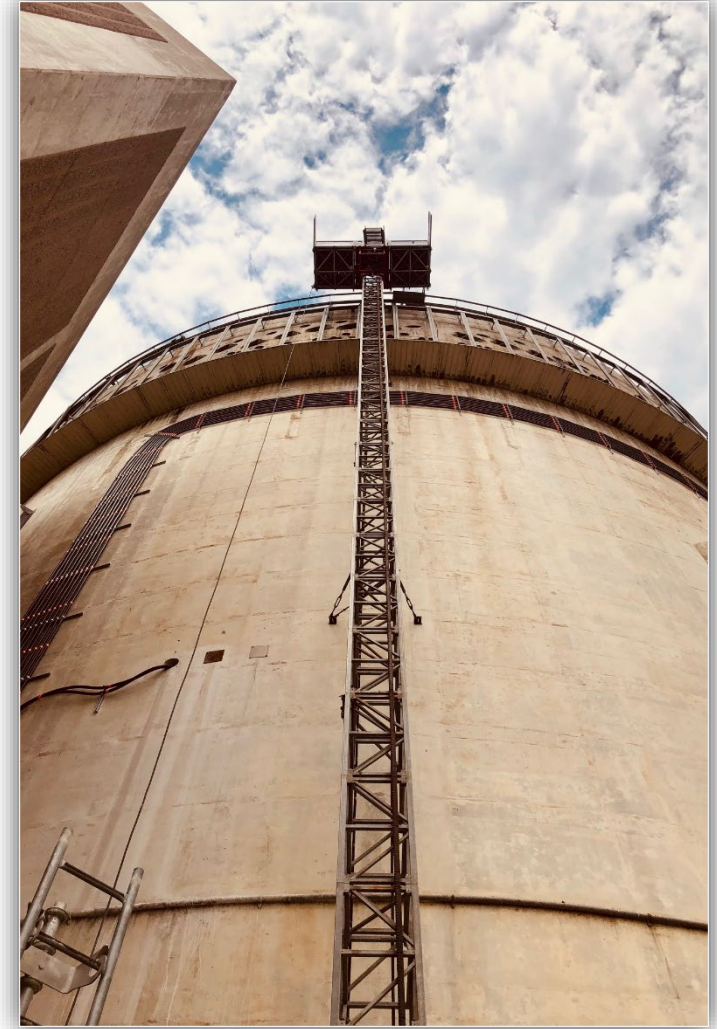


# Future Activities Timeline

## 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

\*RVI = Reactor Vessel Internal



# Future Activities Timeline

- Phase one of clean building demo complete: **mid 2022**
- RVI segmentation complete: **early 2023**
- Additional building demo complete: **mid 2023**
- Reactor vessel segmentation complete: **mid 2023**
- Containment equipment removed: **mid 2024**
- Containment demo complete: **mid 2025**
- Substantially complete: **late 2025**
- License termination: **late 2026**





# Opportunities to Improve Performance

- Safety
- Oversight
- Adjusting to the deconstruction environment





# Performance Successes

## Safety

- No OPPD employee DART injuries since 2018
  - However, declining trend – 10 day work stoppage to correct path
- No challenges to environmental safety
- No challenges to nuclear or radiological safety

## Schedule

- Critical path to license termination remains on-track

## Cost

- End of year costs projected to be under budget

# Performance Successes

- Great support from across the district
- Expanding project management skill across the district
- Embracing new roles at FCS & across the district
- Integrated OPPD/*EnergySolutions* project team
- Virtual career transition experience well received





***Questions?***