ONE TEAM ONE GOAL

Darlington Refurbishment Project

Sorin Marinescu Project Director, Fuel Handling Projects

Safety
Quality
Schedule
Cost













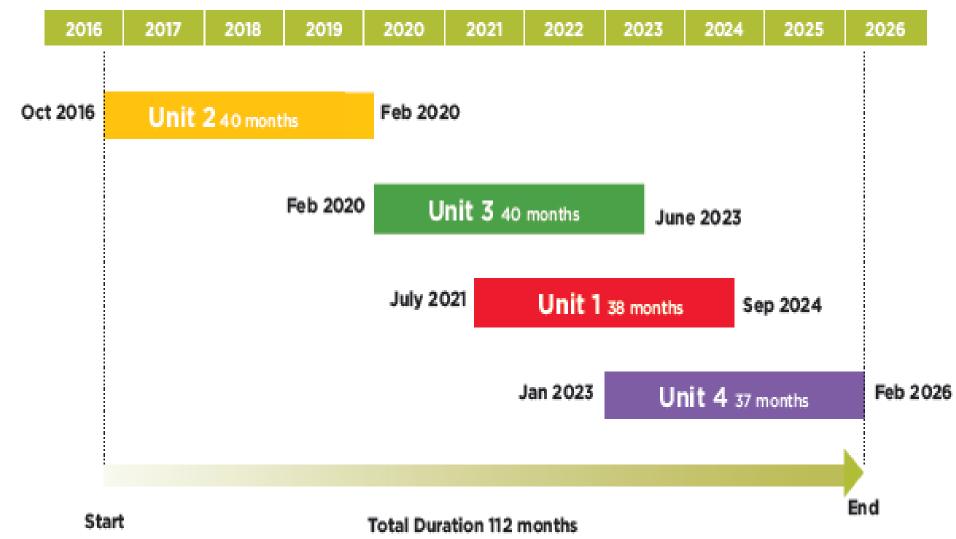






Refurbishment Schedule







ONE TEAM POWERING SUCCESS

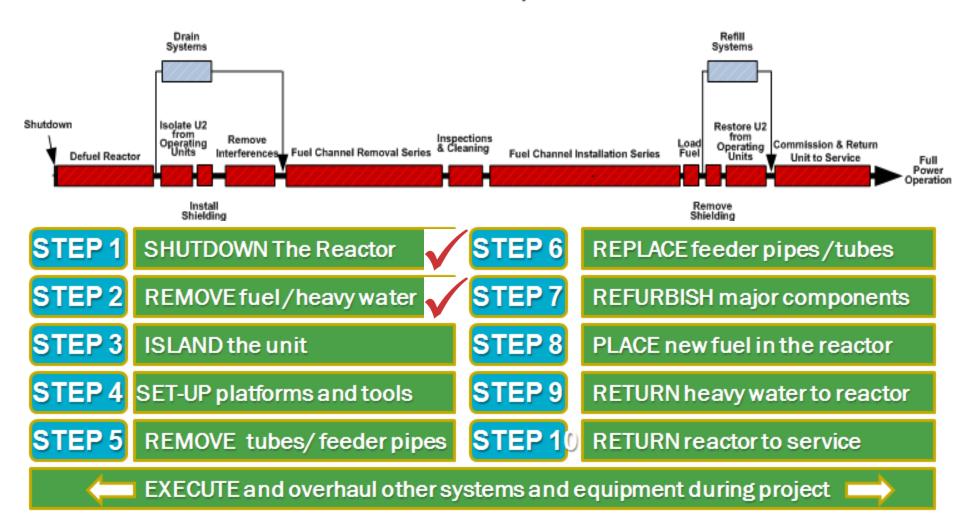
Refurbishment of Darlington Unit 2 began Oct. 14....
..as Promised

21:59: U2 power reduced to 59% 22:35: SDS2 tripped successfully 22:44: U2 Sync Breaker opened

Where We Are Today



Unit 2 Refurbishment Simplified Critical Path



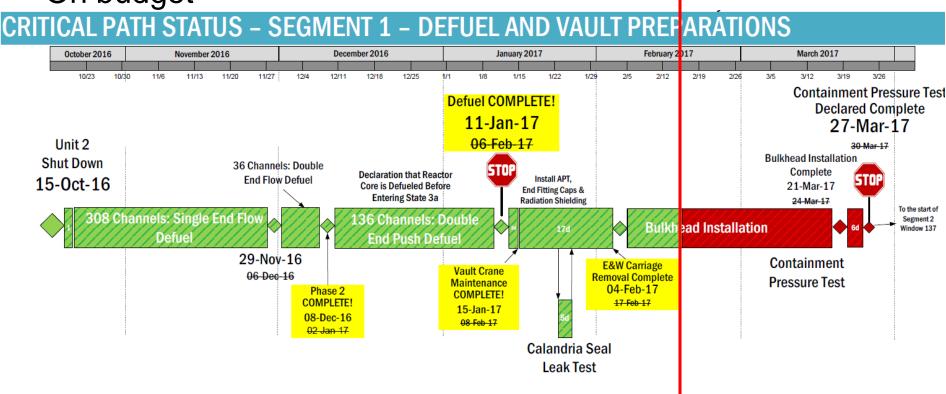


Current Project Status

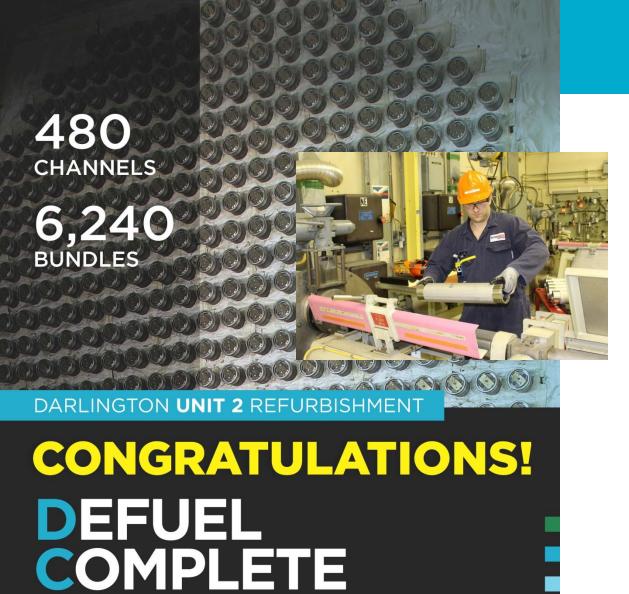


Day 130

- Ahead of schedule
- On budget

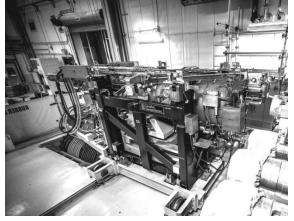
































Defuel Campaign



- Target: complete in 113 days
- 480 fuel channels defuelled in 87 days
- No safety or human performance issues
- Strong station integration
- \$16 million in savings





Defueling Innovation



 Dummy Fuel Bundles – mimics bundles where there is limited flow – push fuelling



 Dummy Bundle Push Tool – helps safely remove fuel



 Flow Restrictive Outlet Bundle – mimic flow resistance of a fuel string



 Universal Carriers – fuel and defuel with the need to swap tools



Key Successes



Lessons Learned:

- Early formation of the team- early planning
- Equipment reliability investments
- Building the right team staffing and training
- Risk management and contingency planning
- Comprehensive reporting





Current Project Focus



Islanding the Unit:

Creating a safe, precise work area separated from the operating units through a system of physical barriers and controls







Team Recognition



- Recognition event for staff and suppliers
- ONETEAM!









Lwitter @ontariopowergen





www.opg.com/darlingtonrefurb

