

Network Open Season Project Updates

Customer Forum 35

June 21, 2012



Big Eddy-Knight Project Overview

- Project Description:
 - Phase I
 - 28 miles new 500kV Transmission line
 - Big Eddy Substation bay addition
 - New Knight Substation
 - Phase II
 - New fiber on Knight-Wautoma
 - New 500kV reactor at Wautoma Substation
- Schedule
 - 2009 Feb. - Project planning approved and launched
 - 2011 Sept.- Record of Decision
 - FY 2013~2014 - Energization of new transmission line (tentative)
- Budget
 - Total Project costs (Direct): \$180 million
 - Actual costs to date: \$80 million

Big Eddy-Knight Project Update

- Completed 20% of footing installation and 15% of tower erection.
- Completed 45% of transmission access roads.
- Completed 99% of bay addition and control house expansion at Big Eddy.
- Completed 80% of site development at Knight Substation.
- New fiber route approved (*Big Eddy-Coyote Springs fiber route replaces Knight-Wautoma fiber route*). Designs for new fiber line route will commence.
- Current challenges:
 - Land access and acquisition
 - Cultural resources at river crossing



Central Ferry-Lower Monumental Project Overview

- Project Description:
 - 40 miles new 500kV transmission line, Central Ferry and Lower Monumental Sub Bay Additions
- Schedule
 - 2009 Feb. - Project approved and launched
 - 2011 March - Final Environmental Impact Statement (EIS) and Record of Decision (ROD)
 - 2013 Summer – Energization (project timeline currently under senior management review)
- Budget
 - Total Project costs (Direct): \$90 million
 - National Environmental Policy Act (NEPA) and preliminary engineering costs (Direct): \$6.5 million
 - Actual costs to date (Direct as of 3/31/12) \$13.5 million

Central Ferry-Lower Monumental Project Update

- No longer on original schedule of 2013 energization
- Continuing to maintain readiness to build
- Working with customers to determine when they will need the service CF-LoMo would provide.
- Montana wind generation could affect the timing of this project.

I-5 Corridor Reinforcement Project Overview

- Project Description:
 - 70 miles new 500kV transmission line
 - Two new substations (Castle Rock and Troutdale)
- Schedule – schedule may need to be revisited based on Draft EIS.
 - 2009 Feb. - Project approved and launched
 - 2012 Dec. - Final Environmental Impact Statement (EIS)
 - 2013 Jan.- Record of Decision (New Date)
 - 2015 Oct. - Energization
- Budget
 - Total Project costs (Direct): \$342 million
 - National Environmental Policy Act (NEPA) and preliminary engineering costs (Direct): \$45 million
 - Actual costs to date (Direct as of 3/31/12): \$22.9 million
- Non-Wires developing potential tool set for consideration.
 - Substation upgrades
 - Generation redispatch

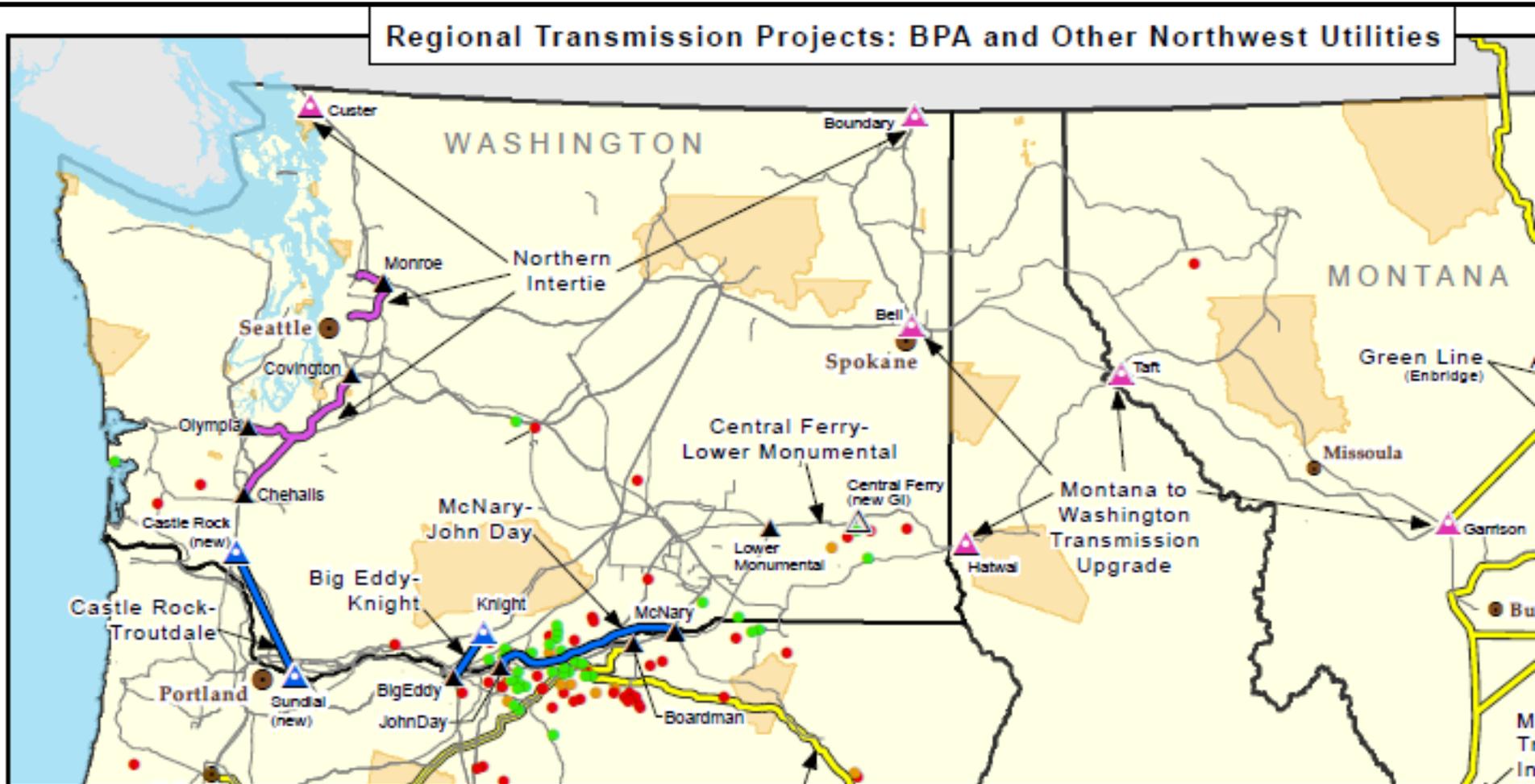
Montana to Washington Project Overview

- Final phase of Sub-Synchronous Resonance (SSR) study expected end of May
 - Preliminary results validating MW of plan of service
 - Verifies technical ratings of the filters
- Proceeding with NEPA
 - NOI published in Federal Register May 4, 2012
 - Public meetings held:
 - May 22, Lewiston, ID
 - May 23, Spokane, WA
 - June 12, Missoula, MT
 - June 13, St. Regis, MT
 - June 14, Wallace, ID
- Budget
 - Total Project (Direct): \$115 to 125 million
 - National Environmental Policy Act (NEPA) and preliminary engineering costs (Direct): \$7 million

Northern Intertie Reinforcement

- Project Description: Portfolio of system upgrades on both the eastern and western portions of the Northern Intertie
 - Rebuild Olympia-South Tacoma 230kV (36 miles) and Chehalis-Covington to Cowlitz Tap 230kV (46 miles) transmission lines
 - Upgrade Monroe-Novelty Hill 230kV and Monroe-Snohomish #1 & #2 230kV
 - Boundary-Nelway Remedial Action Scheme (RAS)
 - Eastside scheduling project
- Schedule:
 - Scheduled Decision Date: TBD
 - Projected Energization Date: 2013 to 2015
- Budget
 - NEPA and Preliminary Engineering Cost: \$2-4 million
 - Estimated Direct Cost: \$70.7 million
- Project Update
 - Started Field Reconnaissance and Land Rights Review for the existing line corridors.

Network Open Season Project Map



Above map available at: http://transmission.bpa.gov/PlanProj/regional_tx_projects_map.pdf