



2008-2009-2010 NOS Project Summary

as of September 1, 2011*

- **McNary-John Day (UNDER CONSTRUCTION - West of McNary Reinforcement Group 1)**
 - 79 mile new 500kV transmission line
 - Decision date: February 19, 2009 [Public Notice of Decision to Build](#)
 - Energization Date: February 2012
 - Estimated Direct Cost: \$170 million
 - Current New Service Associated with Project* = 3,881 MW (2,860 MW in '08 + 1,021 MW in '09)
 - 3,138 MW of wind (2,275 MW in '08 + 863 MW in '09)
 - McNary-John Day only = 495 MW; Of the 3,881 MW of new service, only 495 MW will be provided with the energization of McNary-John Day, service to the remaining amount (3,386 MW) is contingent on the completion of the projects below.
 - Project Manager: Theresa Berry
 - http://www.transmission.bpa.gov/PlanProj/Transmission_Protects/default.cfm?page=MJD
- **Big Eddy-Knight (IN NEPA REVIEW - West of McNary Reinforcement Group 2)**
 - 28 mile new 500kV transmission line AND new 500kV Knight substation
 - Scheduled Decision Date: September 2011 Record of Decision (ROD)
 - Projected Energization Date: February 2013 (if decision to build)
 - NEPA and Preliminary Engineering Cost: \$6 million
 - Estimated Direct Cost: \$185.5 million
 - Current New Service Associated with Project* = 5,958 MW (2,365 MW in '08 + 1,021 MW in '09 + 2,572 MW in '10)
 - 4,176 MW of wind (1,780 MW in '08 + 863 MW in '09 + 1,533 MW in '10)
 - Big Eddy-Knight only = 3,515 MW (1,130 MW in '08 + 896 MW in '09 + 1,489 MW in '10)
 - with Central Ferry-Lower Monumental = 550 MW (550 MW of wind)
 - with I-5 = 653 MW (0 MW of wind)
 - with Central Ferry-Lower Monumental and I-5 = 190 MW (100 MW of wind)
 - with NI West = 50 MW
 - with I-5 and NI West = 825 MW
 - with I-5, NI East and Central Ferry-Lower Monumental = 100 MW
 - with CUP West, I-5, NI East and Central Ferry-Lower Monumental = 75 MW
 - Project Manager: Emmanuel Jaramillo & Nathan Mullen
 - Environmental Lead: Stacy Mason
 - http://www.transmission.bpa.gov/PlanProj/Transmission_Protects/default.cfm?page=BEKTP
- **Central Ferry – Lower Monumental**
 - 40 mile new 500kV transmission line
 - Decision date: March 11, 2011 [Record of Decision](#)
 - Projected Energization Date: July 2013
 - NEPA and Preliminary Engineering Cost: \$6.5 million
 - Estimated Direct Cost: \$90 million
 - Current New Service Associated with Project* = 1,595 MW (940 MW in '08 + 655 MW in '10)
 - 1,280 MW of wind (850 MW in '08 + 430 MW in '10)
 - Central Ferry-Lower Monumental only = 200 MW (200 MW of wind)
 - with Big Eddy-Knight = 550 MW (550 MW of wind)
 - with Big Eddy-Knight and I-5 = 190 MW (100 MW of wind)
 - with NI, Big Eddy-Knight and I-5 = 100 MW
 - with NI, CUP West, Big Eddy-Knight and I-5 = 75 MW
 - with CUP West = 480 MW (430 MW of wind)
 - Project Manager: Theresa Berry
 - Environmental Lead: Tish Eaton
 - http://www.transmission.bpa.gov/PlanProj/Transmission_Protects/default.cfm?page=CF-LoMo
- **I-5 Reinforcement (IN NEPA REVIEW)**
 - About 70 miles new 500kV transmission line AND new 500kV substations at Castle Rock, WA and Troutdale, OR
 - Scheduled Decision Date: January 2013 ROD
 - Projected Energization Date: October 2015 (if decision to build)
 - NEPA and Preliminary Engineering Cost: \$14 million
 - Estimated Direct Cost: \$342 million

* Total MW numbers reflect 2008, 2009 and 2010 NOS commitments and are subject to change.



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as of September 1, 2011*

- Current New Service Associated with Project* = 2,093 MW (835 MW in '08 + 225 MW in '09 + 1,033 MW in '10)
 - 100 MW of wind
 - I-5 only = 250 MW (0 MW of wind)
 - with Big Eddy-Knight = 653 MW (0 MW of wind)
 - with Big Eddy-Knight and Central Ferry-Lower Monumental = 190 MW (100 MW of wind)
 - with NI, Big Eddy-Knight and Central Ferry-Lower Monumental = 100 MW
 - with NI, CUP West, Big Eddy-Knight, Central Ferry-Lower Monumental = 75 MW
 - with NI, Big Eddy-Knight = 825 MW
- Project Manager: Mark Korsness
- Environmental Lead: Nancy Wittpenn
- <http://www.bpa.gov/corporate/I-5-EIS/index.cfm>
- **Northern Intertie Reinforcement (IN NEPA REVIEW)**
 - Portfolio of system upgrades on both the eastern and western portions of the Northern Intertie
 - Eastside scheduling project
 - Boundary-Nelway Remedial Action Scheme (RAS)
 - Rebuild Olympia-South Tacoma 230kV (36 miles) and Chehalis-Covington 230kV (46 miles) transmission lines
 - Additional upgrades on third-party systems
 - Scheduled Decision Date: TBD
 - Projected Energization Date: 2013 to 2015
 - NEPA and Preliminary Engineering Cost: \$2-4 million
 - Estimated Direct Cost: \$70.7 million
 - Current New Service Associated with Project = 1,100 MW*
 - NI West and NI East only = 0 MW
 - with Big Eddy-Knight = 50 MW
 - with I-5 and Big Eddy-Knight = 825 MW
 - with I-5, Big Eddy-Knight and Central Ferry-Lower Monumental = 100 MW
 - with CUP West, I-5, Big Eddy-Knight and Central Ferry-Lower Monumental = 75 MW
 - with CUP West = 50 MW
 - Project Manager: Theresa Berry
 - Environmental Lead: Kimberly St. Hilaire
- **Colstrip Upgrade Project (CUP) West Reinforcement**
 - Upgrade reactive compensation between Garrison, Hatwai and Bell substations
 - Scheduled Decision Date: TBD
 - Projected Energization Date: Under further evaluation
 - NEPA and Preliminary Engineering Cost: \$6-8 million
 - Estimated Direct Cost: \$115.5 million
 - Current New Service Associated with Project = 605 MW*
 - 480 MW of wind
 - CUP West only = 0 MW
 - with Central Ferry-Lower Monumental = 480 MW (480 MW of wind)
 - with NI East = 125 MW (0 MW of wind)
 - Project Manager: Mark Korsness
 - Environmental Lead: Tish Eaton

Notes:

- ◆ 2008 NOS projects include: McNary-John Day, Big Eddy-Knight, Central Ferry-Lower Monumental and I-5
- ◆ 2009 NOS resulted in no new transmission projects
- ◆ 2010 NOS projects include: Northern Intertie and CUP West