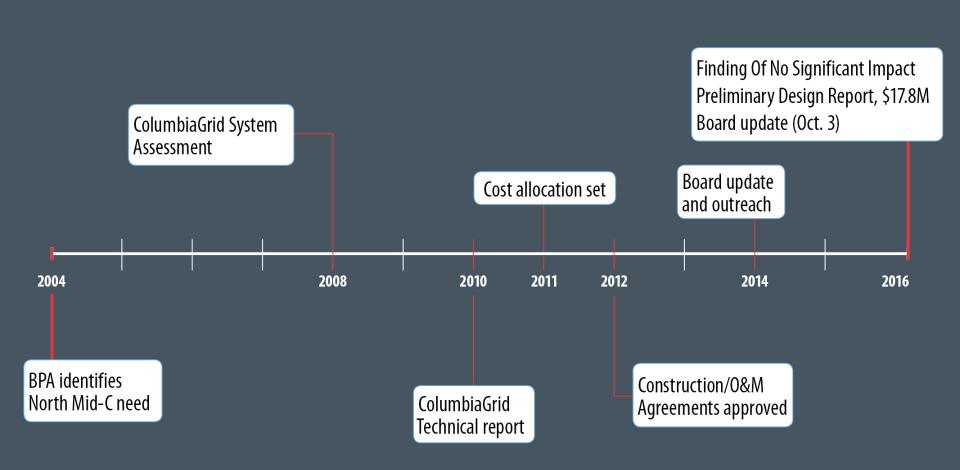


What we'll cover today

- Project history
- Project description
- Where we are
- Project benefits
- Next steps

NO ACTION REQUIRED TODAY





Construction Funding - Allocations

- "Single-Utility" planning solution & District avoided costs
- Best long-term solution
- Demonstrates the Northwest can collaborate on cost allocation issues (FERC Order 1000)





42.20% 23.85%



17.25%



16.70%

Construction

Construction and ownership responsibilities:

- Douglas will design, construct, own and operate:
 - 9-mile 230kV line
 - Switchyard terminal at Rapids
- BPA will design, construct, own and operate:
 - Switchyard terminal at Columbia
 - Lead the Environmental Assessment
- Chelan and Grant are funding partners
- Provides protections for cost overruns with off-ramps at 30% and 90% design



Where We Are

- \$500k for environmental work funded
- Finding of No Significant Impact published March 2016
- \$17.8 million preliminary design estimate
 < 30% off-ramp
- BPA continues to negotiate with Colville Confederated and Yakama
- Fresh look at benefits



Benefits

- Regional solution
- Mitigates congestion on Rocky Reach Columbia 230kV lines (BPA and Chelan)
- Mitigates impacts of new Grant and Douglas projects
- Balances Columbia 230kV bus
- Provides greatest operational flexibility
- Reduces transmission congestion
- Reduces the need to re-dispatch/reduce Rocky Reach and Wells generation
- Provides capacity for future system growth
- Much less expensive than individual utility solutions

Additional Benefits

- Project Cost: \$17.8M
- Chelan's share is 23.85%, which is \$4.2M
 - Break even analysis at 7% IRR
 - Transmission Loss Reduction: \$2.4M (NPV)
 - Avoided Generation Loss: \$1.5M (NPV)
 - Capital cost share \$4.2M\$3.8M (NPV)
 - O&M cost share ~\$4k/year \$0.1M (NPV)
- Additional evaluation to occur as project moves to the 90% Detailed Estimate

Next Steps

 Align the project budget with the preliminary design estimate, \$905k increase

- Second off-ramp opportunity likely summer 2017, 90% design review
 - Opportunity for off-ramp if the 90% estimate is greater than \$20.5M (15% increase)





