

Transmission Expansion Plan Update

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Transmission Expansion Plan
2009-2018





Transmission Expansion Plan Status and Schedule

- Preliminary draft posted October 31st for stakeholder review
- November 18th Planning meeting to review plan
- Final draft to be posted for Board and stakeholder review by December 1
- Presented to Board at December meeting
- Approval at January or subsequent Board meeting
- 10 day period for reconsideration requests after Board approval.



Basic Plan Elements

- Projects for Board approval
 - West of McNary
 - North Downtown Seattle
- Summary reports from Study Teams
 - Puget Sound, Mid-C, and Olympic Peninsula
- Table showing all area projects
- Single system projects discussion
- Summary of sensitivity studies
- Documentation of System Assessment assumptions



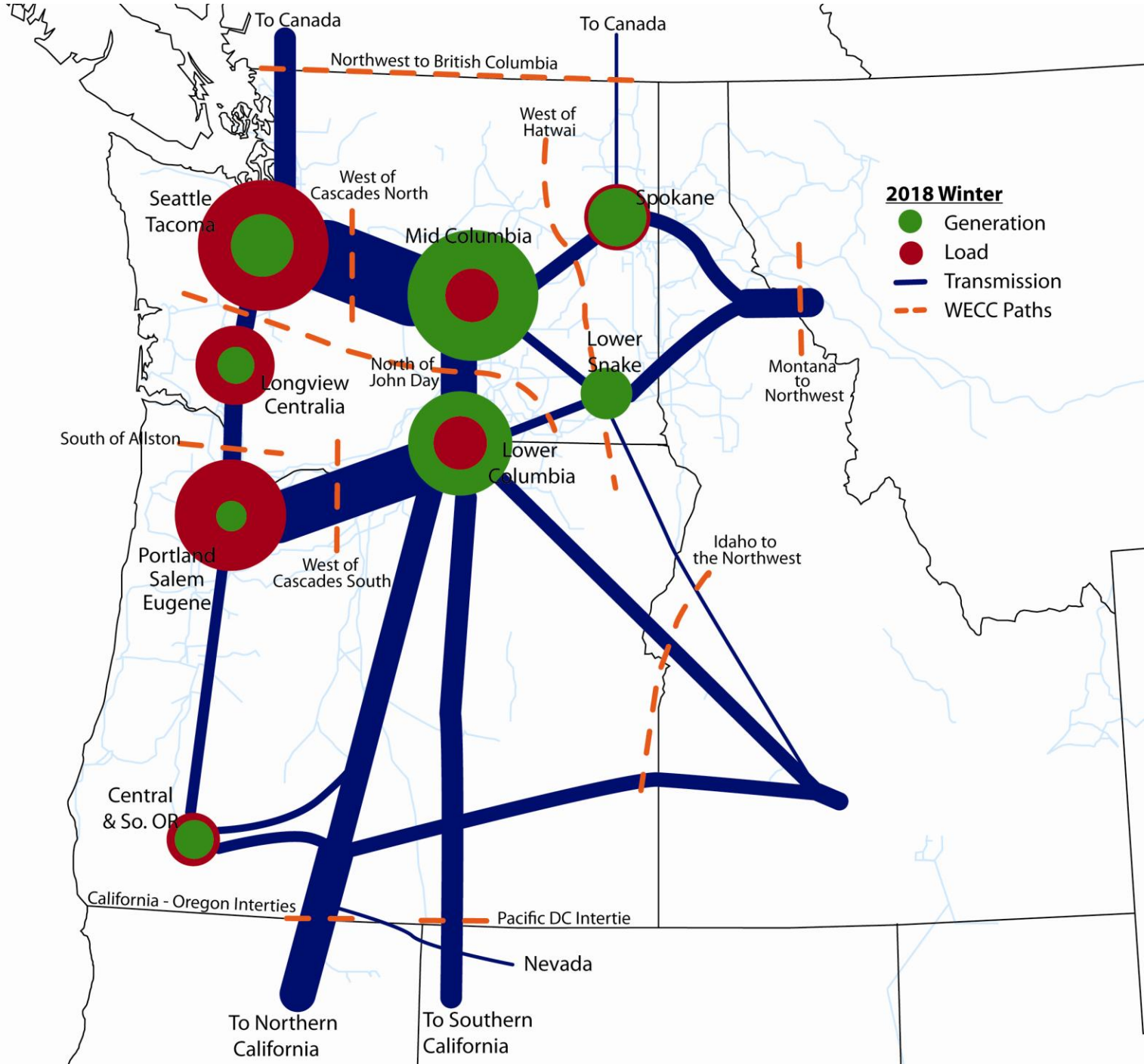
Additional Plan Elements

- Transmission for Wind Generation
 - Identification of the impact on major flowgates
 - Analysis of historical data to identify constraining flowgates
- Discussion of transmission interfaces with neighboring regions
 - Analysis of historical data
 - Discussion of potential needs and potential projects
- Analysis of Major Transmission Projects
 - Modeling of major projects in System Assessment cases
 - Identification of general effect on region
 - Discussion of specific effect on transmission plans



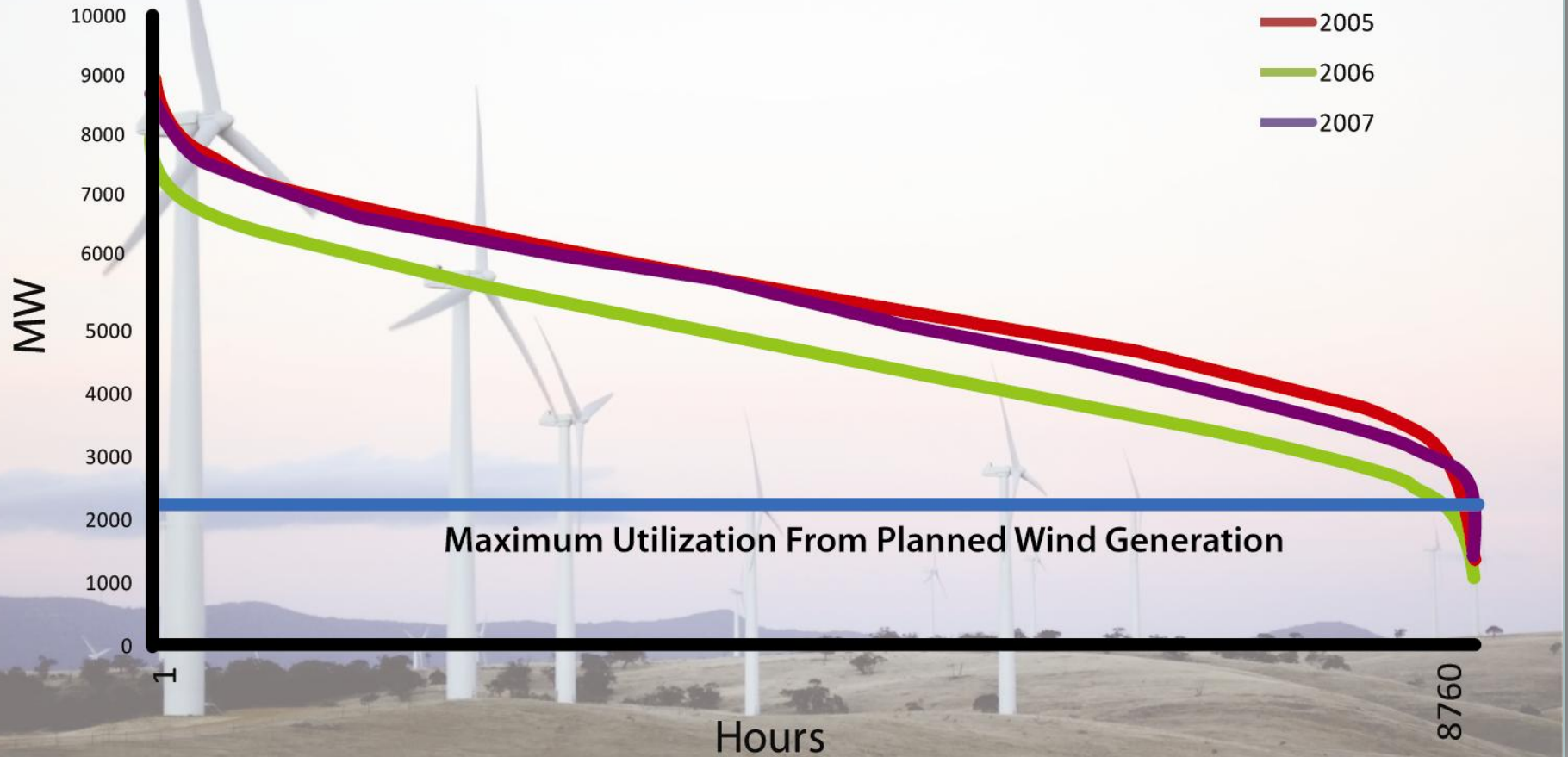
Scope of Board Approvals for Staff or Other Recommended Projects

Board Approves	Staff Recommended Existing Obligations Project	Affected Persons Recommended Existing Obligations Project	Staff Recommended Requested Service Project	Affected Persons Recommended Requested Service Project	Recommended Capacity Increase Project	Single System Project
No unmitigated material adverse impacts	Yes	Yes	Yes	Yes	Yes	Yes
Cost allocation if Affected Persons do not agree	Yes	Yes	Yes	Yes	Yes	
Project meets need	Yes	Yes	Yes	Yes		
Plan of service	Yes		Yes			
Sponsorship	Yes		Yes			
Transmission rights allocation	Yes	North Downtown Seattle Project	Yes	West of McNary Project		
Schedule	Yes					

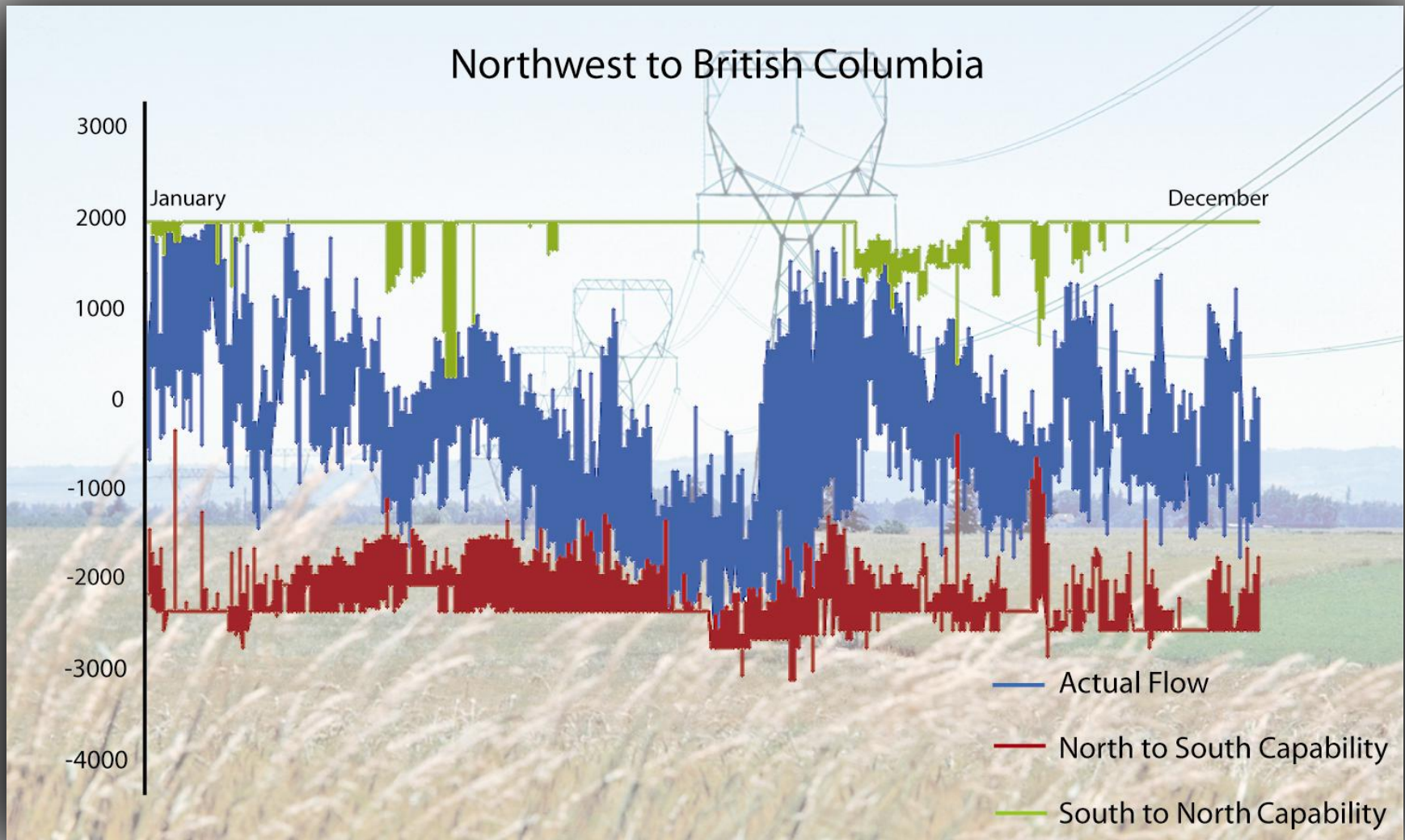


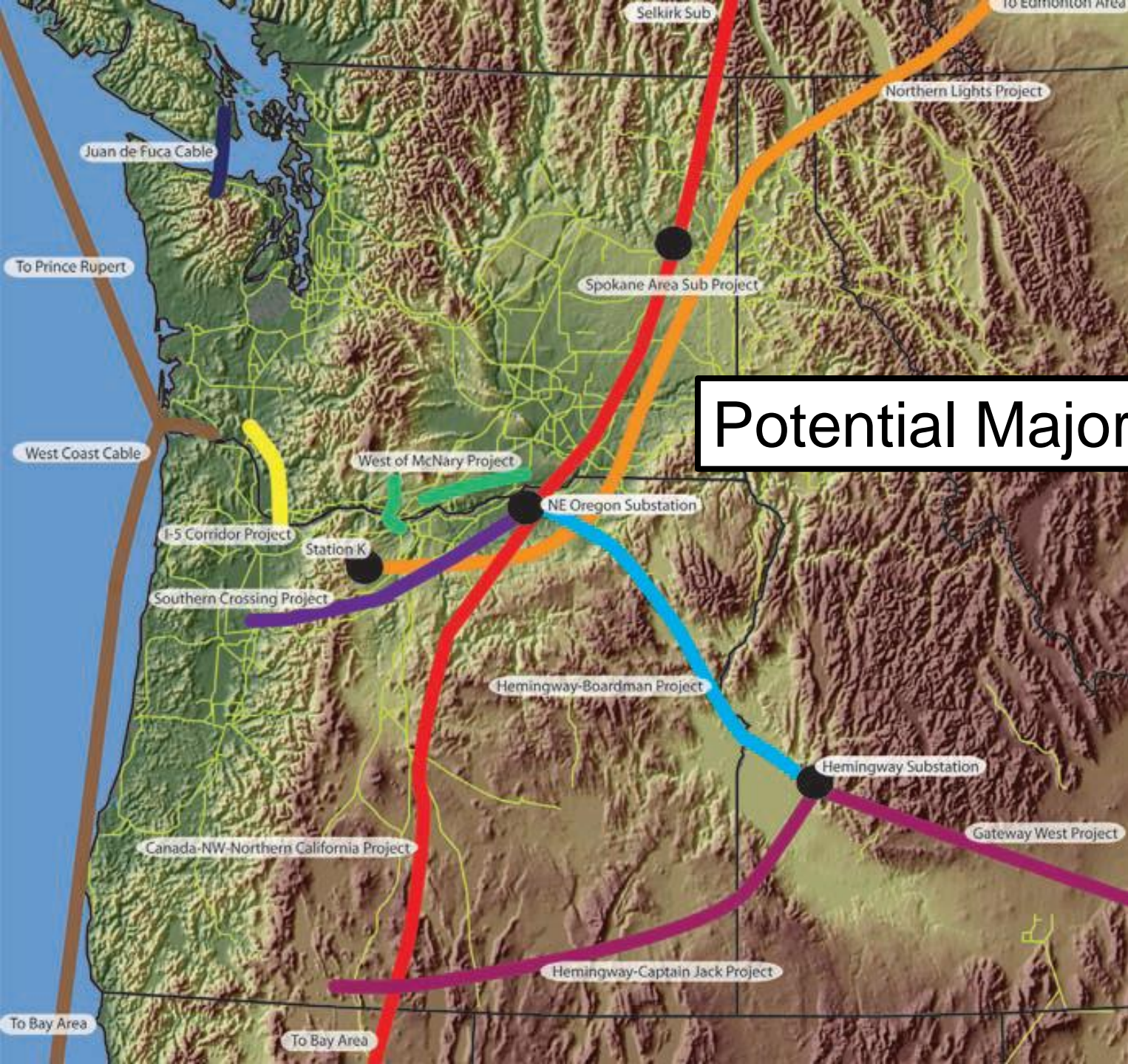
Example Graphic – Transmission for Wind Generation

West of Cascades North Unused Transmission



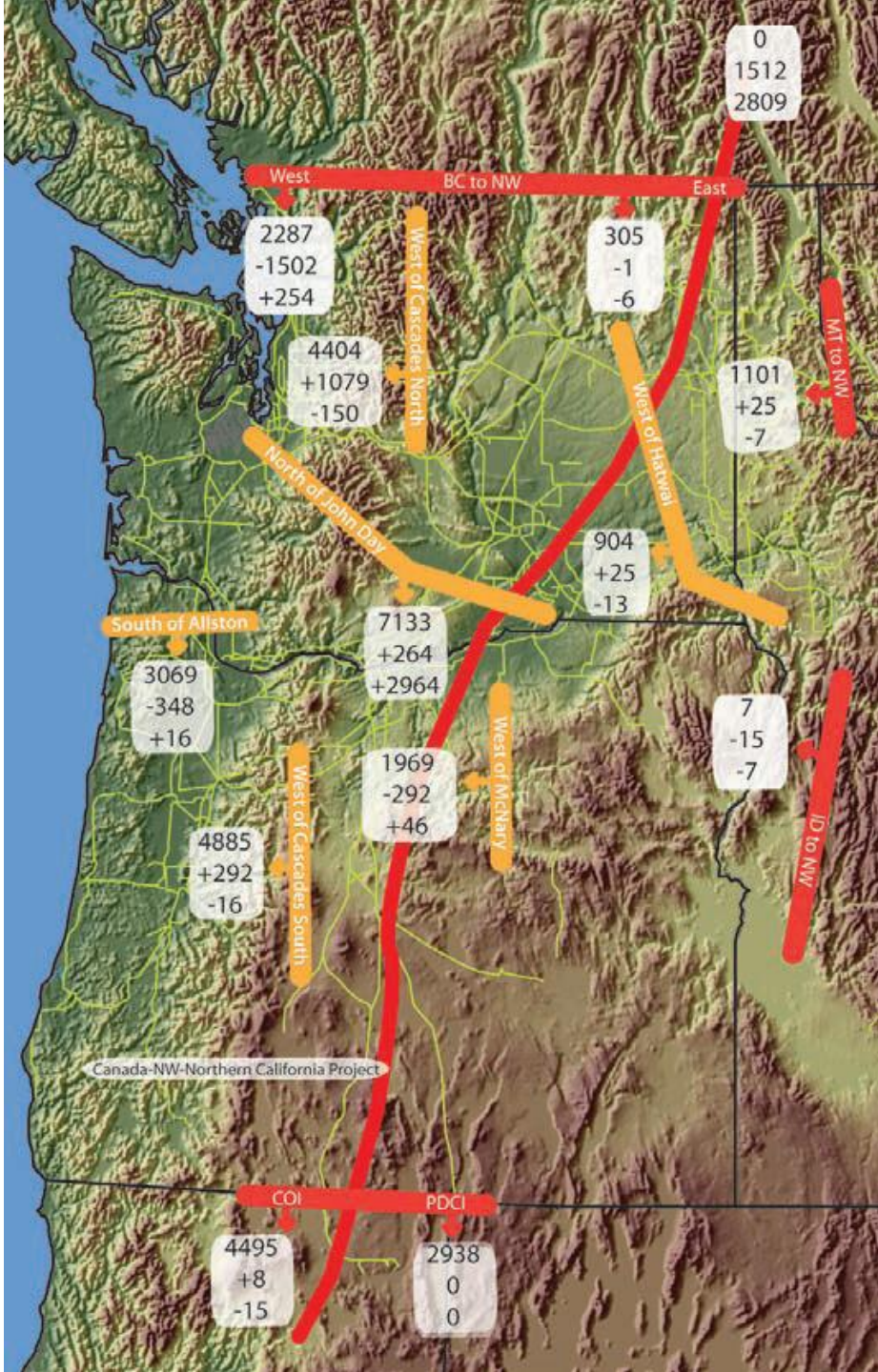
Example Graphic – Transmission Interfaces





Potential Major Projects

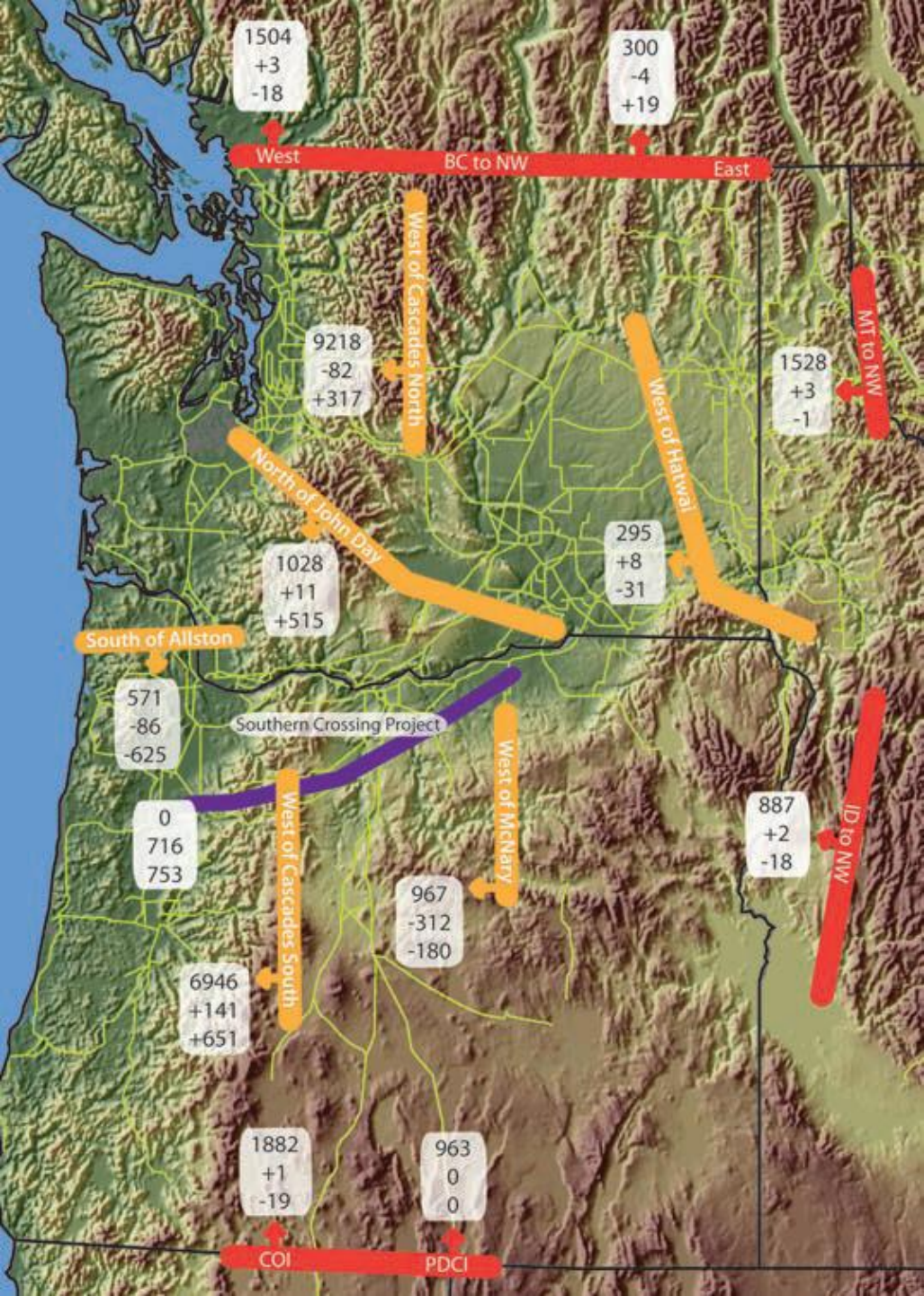
Effect of the Canada-Pacific Northwest to Northern California Project



Legend

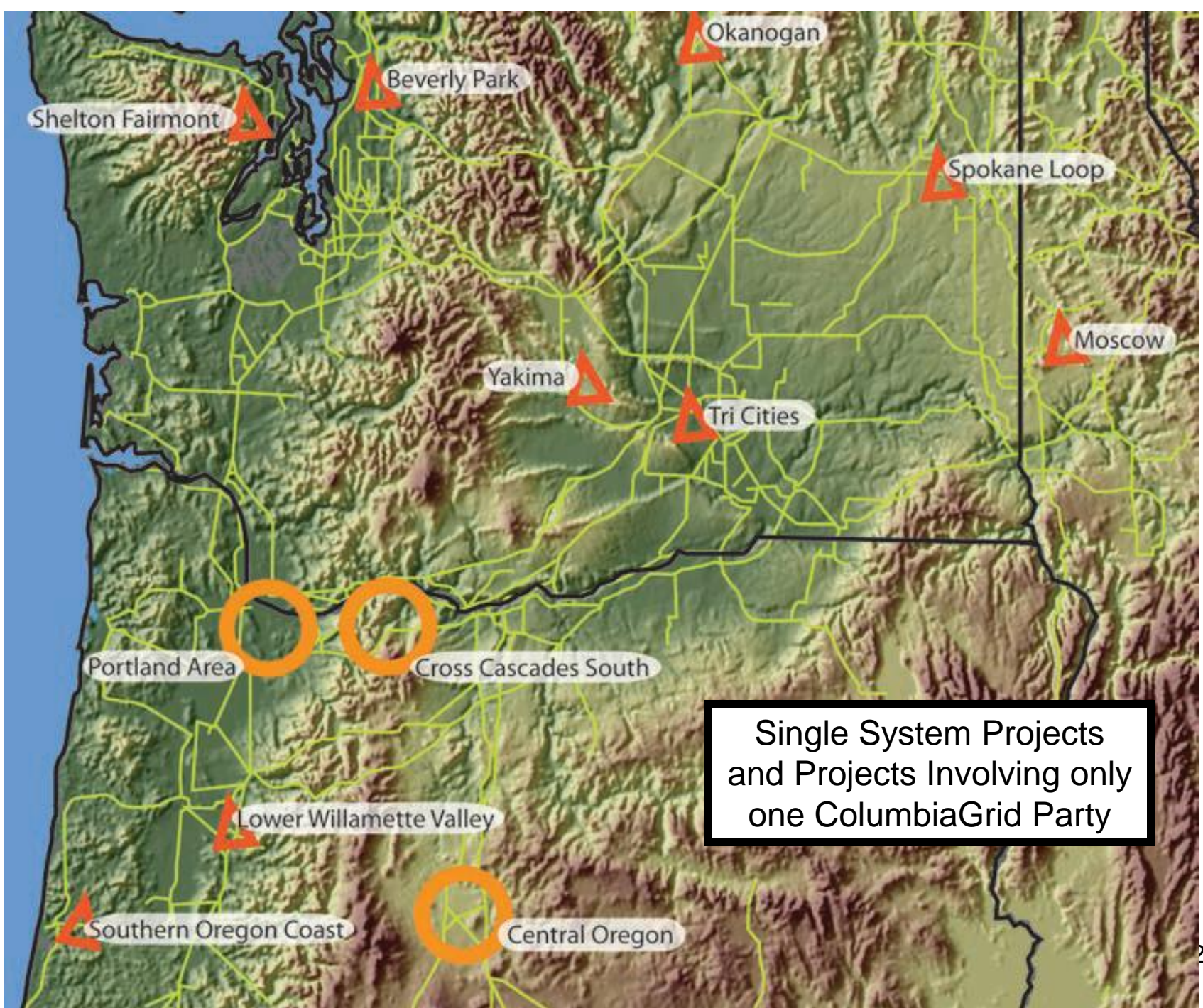
1. Summer Base Case Flow
2. Change with project
3. Change with Project and 3000 MW Schedule

Effect of the Southern Crossing Project



Legend

1. Winter Base Case Flow
2. Change with project
3. Change with Project and 1000 MW Schedule



Single System Projects
and Projects Involving only
one ColumbiaGrid Party



Next Steps for Planning

- **Begin 2009 System Assessment**
 - Completion in June of 2009
 - 5 and 10 year cases
- Additional work on wind project integration
- Additional work on effect of major transmission projects
- Take on Area Coordinator role
- Increase ColumbiaGrid's regional presence