

2010 Network Open Season Cluster Study

Preliminary Results

December 21, 2010

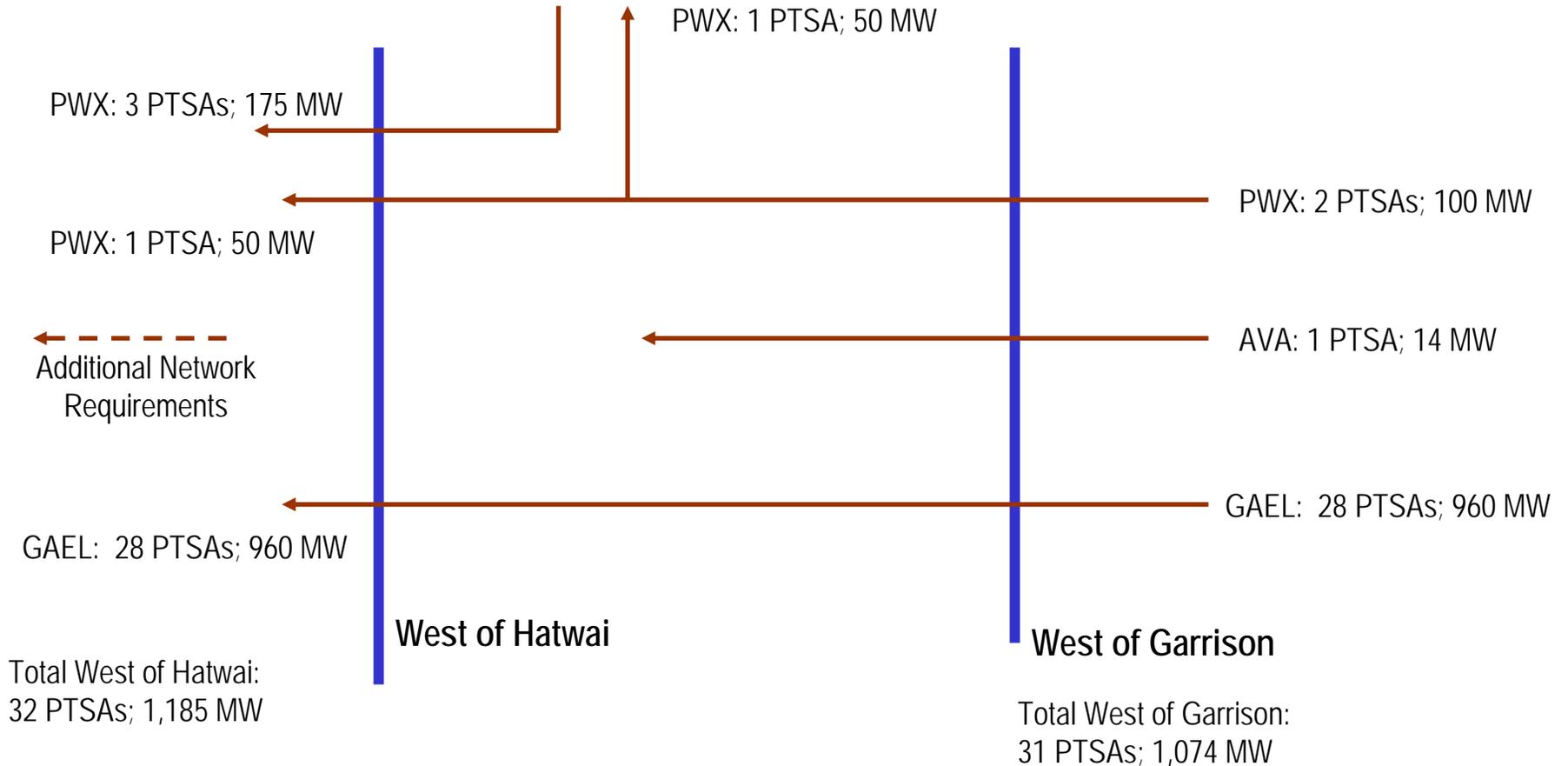


2010 NOS Cluster Study Update

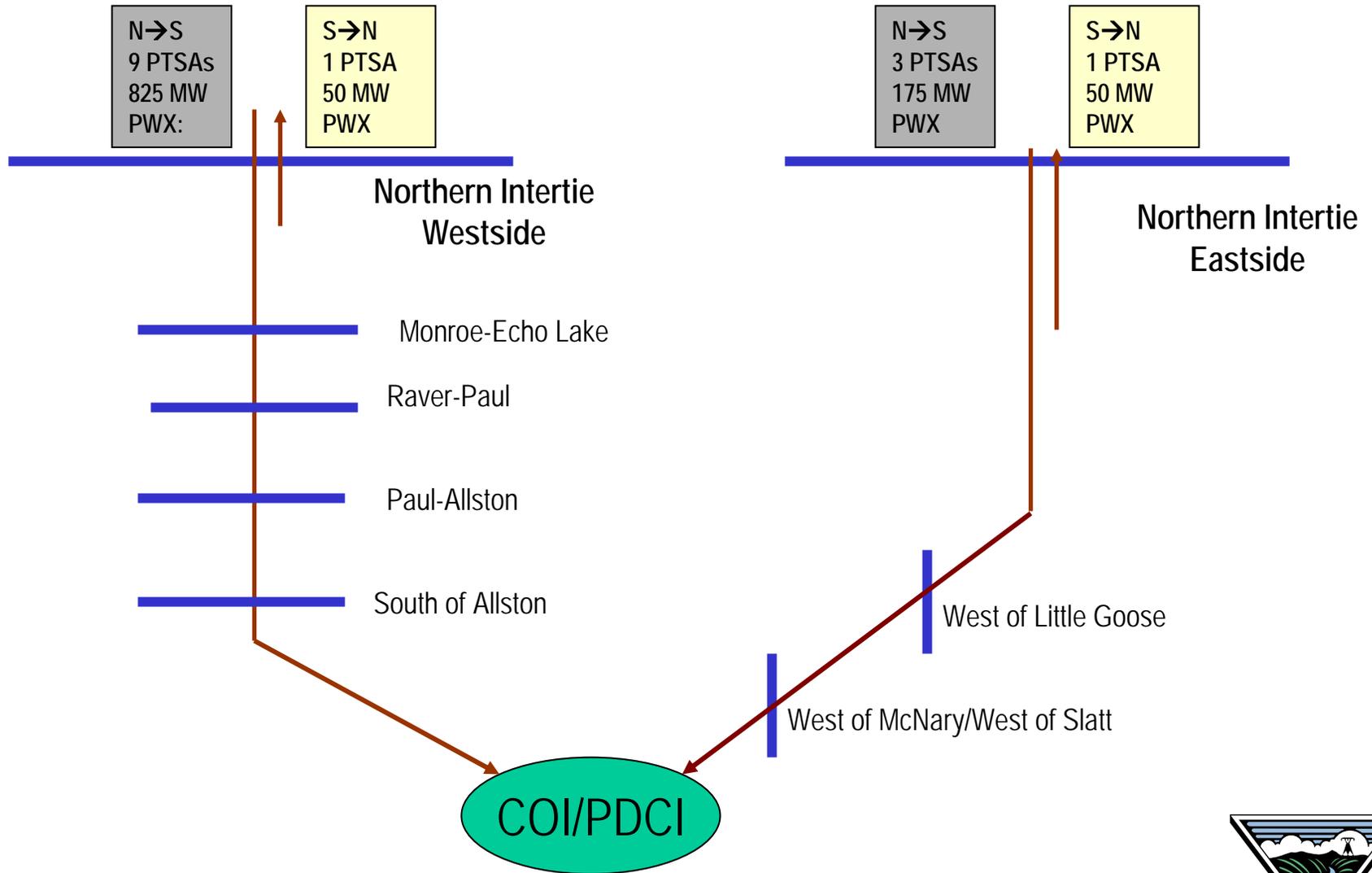
- 76 PTSAs for 3,759 MW
 - 52 PTSA's for 2,493 MW wind
- Three major concentrations of PTSAs
 - 34 PTSAs for 1,074 MW Impacting West of Garrison/West of Hatwai (reference slide 3)
 - Of the 34 PTSAs, 28 PTSAs for 960 MW wind in Montana
 - 14 PTSAs on Northern Intertie (reference slide 4)
 - 9 PTSAs for 825 MW are on the Westside N>S
 - 1 PTSA for 50 MW is on the Westside S>N
 - 3 PTSAs for 175 MW are on the Eastside N>S
 - 1 PTSA for 50 MW is on the Eastside S>N (included in West of Garrison impacts)
 - 32 PTSAs for 1,635 MW on the network
 - 23 PTSAs for 1,483 MW wind



West of Garrison/Hatwai Scope



Northern Intertie Scope



Preliminary Results

- 2008 NOS Projects
 - All four projects required to address requests for most of the 2010 NOS PTSA's
- Additional Projects - Preliminary
 - West of Garrison/West of Hatwai
 - Colstrip Upgrade Project
 - Conceptual project from Garrison to Central Washington
 - Northern Intertie
 - Puget Sound Area Fixes
 - Eastside Scheduling capability
 - Raver-Paul Fixes
 - Other Network Projects
 - Ponderosa #2 500/230-kV transformer



2010 Network Open Season Roadmap & Timeline

Modified December 2010

