



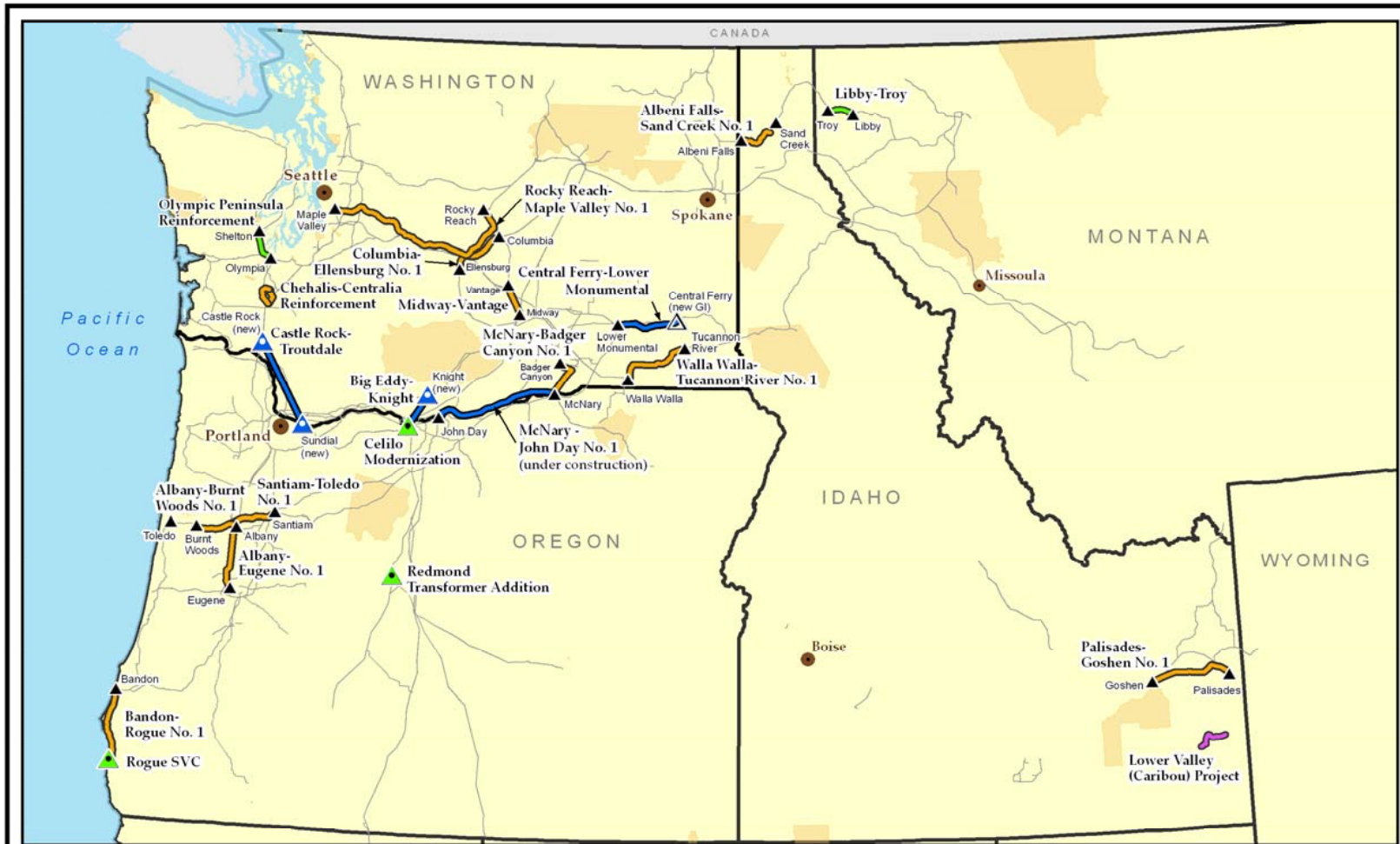
Oregon Energy Planning Council

Transmission Siting

Presented by

Larry Bekkedahl

VP, Engineering & Technical Services



Legend

- 2008 NOS Line Project
- 2008 NOS Substation Project
- Rebuild Project
- Other Transmission Line Project
- Other Substation Project
- Generator Interconnection Substation
- Completed Project
- Existing BPA Substation
- BPA Transmission Lines
- Indian Reservation

BPA Transmission Line and Substation Projects



gis_data2\work\idoug\bea_projects\Trans_Projects_update.mxd Map date: 4/9/10



Objectives

- Meeting Current Load Growth
- Integrating new renewable resources
- Best Use of limited corridors
- Continue to provide low/reasonable rates
- Improve Reliability
- Upgrade/Sustaining health of aging assets



It all starts with Planning

- Northern Tier Transmission Group (NTTG)
- ColumbiaGrid
- WECC
- Northwest Power & Conservation Council
- Internal Utility Planning

Need for Consistent/Common Support for all projects

Need for Common Definitions

- WECC – Bulk Electric System
- Oregon EFSEC > 230KV
- Washington EFSEC > 115KV



EFSEC as Coordinating State Agency

Great help coordinate all State agencies

Memorandum of Agreement with EFSEC –

- Reimbursement of State Agency resources for completion of NEPA/SEPA requirements
- Coordinate timely responses
- Special agreements with State land owners (DNR)
- Help settle jurisdictional issues



Health Issues

EMF – Electric & Magnetic Field Effects

- Update Position Statements
 - State Health Organizations
 - National Health Organizations



Public Understanding

- How does this Regional line Help/Impact locally?
- Education of Transmission Power Flow
 - Commercial & Base load
- Urban vs. Rural
- Private vs. Public

Public Challenges

- Protection of Existing Easements & ROW
- Access to Property (for EIS process)
- Social Media
- The Jerry Springer Effect
- The American Idol Effect



Construction of Renewables

Incentives based upon?

- **Location**
 - **Type**
 - **Ability to integrate**
 - **Storage**
-
- **Electric Vehicles**