

DRAFT

LIST OF ISSUES FOR TECHNICAL WORK GROUP

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1. **CO₂ reduction supply curves.** Inputs include forecasts of the costs and availability of various technologies including: energy efficiency, renewable generation (wind, biomass, solar thermal, wave, solar photo-voltaic, etc.), integrated-gasification combined-cycle generation (IGCC) with geological CO₂ sequestration, and efficient natural gas cogeneration. Also forecasts of wholesale natural gas and electricity prices.
 - a. energy efficiency and renewable resources to meet load growth;
 - b. substituting remaining energy efficiency and renewable resource supply for existing fossil-fueled generation;
 - c. fuel switching between electric and fossil-fueled end uses;
 - d. co-firing coal generation with biomass;
 - e. substituting new efficient gas-fired co-generation for existing fossil-fueled generation;
 - f. substitute IGCC with CO₂ sequestration for existing fossil-fueled generation;
 - g. re-powering coal plants with gas;
 - h. more operation of existing gas-fired plants, less of coal-fired plants (see redispatch spreadsheet).
2. **Emissions Calculations**
 - a. **Methods, baselines and data collection** (Oregon PUC fuel and emissions disclosure rule -- OAR 860-038-300 for investor-owned utilities. The consumer-owned utilities would be allocated pro-rata shares of Bonneville Power Administration resources for firm BPA power deliveries)
 - b. **Multi-state allocations** of emissions and costs for Idaho Power and PacifiCorp
 - c. **Electrical losses** on the transmission and distribution systems
 - d. **ESS sales and losses**
 - e. **Fossil-fueled self-generators**
3. **Calculation of costs for specific utilities** or groups of utilities. (Application of CO₂ reduction supply curves to emissions accounting methods)
4. **Sensitivity analyses** of costs to utilities and rate impacts
5. **Input-output analysis of economic impacts** (if a model is available)