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## Documents Incorporated by Reference

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A significant amount of environmental analysis has already been completed on environmental conditions in Klickitat County and on the likely impacts of various types of energy projects. The EIS has relied upon this information and incorporates by reference the documents identified below:

- Final Environmental Impact Statement for the Lower White Salmon National Wild and Scenic River Management Plan (November 1991). The FEIS evaluates management alternatives for the White Salmon National Wild and Scenic River.
- Roosevelt Loop Pipeline Segment SEPA Checklist by Northwest Pipeline Corporation (September 24, 1993). The Checklist summarizes impacts of 4 mile long, 30" diameter loop pipeline adjacent to an existing pipeline in southern Klickitat County.
- Goldendale Loop Pipeline Segment SEPA Checklist by Northwest Pipeline Corporation (September 24, 1993). The Checklist summarizes impacts of 10.8 mile, 30" diameter loop pipeline north of the Columbia River in Klickitat County.
- NWP System Expansion Project, Existing Goldendale Compressor Station SEPA Checklist by Northwest Pipeline Corporation (November 22, 1993). The Checklist summarizes impacts of increasing compression by 5,700 horsepower at an existing compressor station located about three miles south of Goldendale.
- Washington Windplant #1 Botanical Resources Field Survey, Prepared for Klickitat County Planning Department Bonneville Power Administration, December 1994 by R.W. Beck. Field Survey for 115 MW windfarm in the Columbia Hills near Goldendale. The Survey identifies rare plant species, high-quality native plant communities, and plant species of potential cultural importance.
- Klickitat Cogeneration Project Final Environmental Assessment, U.S. Department of Energy DOE/EA-0765 Bonneville Power Administration, September 1994. The EA evaluates impacts from BPA acquisition of 49.5 aMW from Klickitat Cogeneration Project. Project involves obtaining power from existing wood waste-fired cogeneration system and new gas-fired turbine and heat recovery system generator.
- Joint NEPA/SEPA Draft Environmental Impact Statement Washington Windplant #1, Proposed by Kenetech Windpower, Inc. Lead Agencies: Klickitat County, Washington and Bonneville Power Administration, February 1995. Evaluates impacts of 115 MW windpower project in Columbia Hills southeast of Goldendale in Klickitat County.
- Joint NEPA/SEPA Final Environmental Impact Statement Washington Windplant #1, Proposed by Kenetech Windpower, Inc., Lead Agencies: Klickitat County, Washington and Bonneville Power Administration, May 1995. Evaluates impacts of 115 MW windpower project in Columbia Hills southeast of Goldendale in Klickitat County.
- Proposed Columbia Wind Farm #1 Joint NEPA/SEPA Draft Environmental Impact Statement Proposed by Conservation and Renewable Energy System, Lead Agencies Bonneville

Power Administration and Klickitat County, Washington, March 1995 DOE/EIS-0206. Evaluates impacts of 25 MW wind power project in Columbia Hills area southeast of Goldendale in Klickitat County.

- Proposed Columbia Wind Farm #1 Joint NEPA/SEPA Final Environmental Impact Statement, September 1995 DOE/EIS-0206. Evaluates impacts of 25 MW wind power project in Columbia Hills area southeast of Goldendale in Klickitat County.
- Historical Research Associates, Inc., Cultural Resources Assessment of the Kenetech Windpower Washington Windplant No. 1 Project Klickitat County, Final Report, May 26, 1995. The Assessment analyzes the natural and cultural history of the region surrounding Washington Windplant No. 1 Project in Klickitat County. It also outlines archaeological survey results.
- Technical Report Avian Use of Proposed Kenetech and Cares Wind Farm Sites in Klickitat County, Washington, Appendix C to Washington Windplant #1 EIS, prepared by Jones & Stokes Associates, Inc., January 31, 1995. Evaluates avian impacts from two wind projects (115 MW and 25 MW proposals) in the Columbia Hills area north of the Columbia River in Klickitat County.
- Appendix B - Botanical Resources Technical Report for the Conservation and Renewable Energy System Columbia Wind Farm #1 EIS, by Jones and Stokes Associates, Inc., February 3, 1995. Botanical investigation for 25 MW wind project in Klickitat County.
- Appendix C - Technical Report: A Cultural Resources Study of the Proposed Cares Columbia Wind Farm #1 Klickitat County, Washington by Ken Boreson, Fred Crission and Craig Holstine, February 1995. Cultural resources inventory for 25 MW wind project proposed in Klickitat County.
- Baseline Avian Use and Behavior at the Cares Wind Plant Site, Klickitat County, Washington, Final Report by National Renewable Energy Laboratory (NREL) December 1999. Preconstruction avian data for proposed wind project in the Columbia Hills of Klickitat County.
- Resource Contingency Program – Washington Final Environmental Impact Statement Satsop Combustion Turbine Unit 1 Chehalis Generation Facility, Volume 1 and Volume 2 with Public Comments and Responses, Bonneville Power Administration, November 1995 DOE/EIS-0230. The EIS evaluates impacts of natural gas-fired, combined cycle combustion turbine projects near Chehalis and Satsop, Washington.
- Cliffs Energy Project Environmental Checklist, Prepared by Greystone Environmental Consultants, Inc., May 17, 2001. The Checklist summarizes impacts of a gas fired generation facility located approximately 10 miles southeast of Goldendale, Washington. The project includes construction of a connecting natural gas pipeline and transmission line.
- Goldendale Energy Project SEPA Expanded Environmental Checklist, October 20, 2000, Prepared by URS Corporation. The Checklist summarizes impacts of a 248 MW combustion turbine generation project, transmission line, and gas pipeline.

- Wetland Report Goldendale Energy Project Klickitat County, Washington for Goldendale Energy Inc., November 15, 2000. The Report evaluates the presence, extent, and character of wetlands and streams on properties planned for natural gas power generation facility, electrical transmission line, and natural gas pipeline.
- Starbuck Power Project Potential Site Study, December 2001. The Study evaluates a 1,200 MW natural gas-fueled combustion turbine power plant and associated facilities proposed in Columbia County, Washington.
- Walla Walla County Regional Planning: Final SEPA EIS for FPL Energy's Stateline Wind Project, October 2000. The EIS evaluates impacts of 300 MW wind project in Walla Walla County, Washington, and in northern Umatilla County, Oregon.
- Proposed Emergency Plan Modified Operations for Klickitat County PUD Landfill Gas Generating Facility at Roosevelt Regional Landfill by Northwest Regional Power, January 29, 2001. Provides detail on permitted air emissions for internal combustion project which uses landfill gas to generate up to 10.5 MW of electrical power in Klickitat County.
- Record of Decision for the Electrical Interconnection of Goldendale Energy Project, March 20, 2001 United States Department of Energy, Bonneville Power Administration. Decision offers contract for integrating power from Goldendale Energy Project into Federal Columbia River Transmission System.
- Supplement Analysis for the Goldendale Energy Project (DOE/EIS-0183/SA-03) Bonneville Power Administration Business Plan Environmental Impact Statement, March 19, 2001. The Analysis evaluates previous environmental review for 248 MW gas-fired electric-power generating project in Goldendale, Washington. It determines that no further National Environmental Policy Act review is required.
- Mercer Ranch Project Final Potential Site Study, Prepared by Science Applications International Corporation, July 20, 2001. Study of 800 MW gas-fired power generation facility in Benton County, Washington.
- Condon Wind Project Draft Environmental Impact Statement DOE/EIS-0321 May 2001. The EIS evaluates impacts of 49.8 MW wind project in Gilliam County, Oregon.
- Condon Wind Project Final Environmental Impact Statement DOE/EIS-0321 August 2001. The EIS evaluates impacts of 49.8 MW wind project in Gilliam County, Oregon.
- Sumas Energy 2 Generation Facility Final EIS, Volume 1 Environmental Impact Statement and Appendices, Prepared by Jones & Stokes, February 2001. The EIS evaluates impacts of a 660 MW combined cycle combustion turbine electrical generation facility and associated components in Whatcom County, Washington.
- Sumas Energy 2 Generation Facility Final Supplemental Environmental Impact Statement, Prepared by Jones & Stokes, May 2002. The EIS evaluates construction and operation impacts of 660 MW combined cycle combustion turbine electrical generation facility and associated components in Whatcom County, Washington.
- Evergreen Expansion Project Northwest Pipeline Corporation Docket No. CP02-4-000 Applicant –Prepared NEPA Document and SEPA Checklists, April 2002. The document

evaluates environmental impacts of four, 36” diameter pipeline loop segments totaling approximately 27.8 miles.

- Evergreen Expansion Project Environmental Assessment, Northwest Pipeline Corporation, May 3, 2002. Evaluates environmental impacts of four, 36” diameter pipeline loop segments totaling approximately 27.8 miles.
- The Effect of Wind Development on Local Property Values, Analytical Report, by Renewable Energy Policy Project (REPP), May 2003. The Report evaluates impacts on property values from wind development.
- Assessing the Economic Development Impacts of Wind Power Final Report, Prepared by Northwest Economic Associates, February 12, 2003. The Report analyzes the economic impacts of wind power.
- Economic Impacts to Wind Power in Kittitas County Final Report by ECON Northwest, October 2002. Evaluates economic impacts of wind power development.
- McNary-John Day Transmission Line Project Draft Environmental Impact Statement (DOE/EIS-0330) February 2002. Evaluates impacts of construction, operation, and maintenance of 79-mile long 500-kilovolt transmission line in Benton and Klickitat Counties, Washington, and in Umatilla and Sherman Counties, Oregon.
- McNary-John Day Transmission Line Project Final Environmental Impact Statement (DOE/EIS-0330) August 2002. Evaluates impacts of construction, operation, and maintenance of 79-mile long 500-kilovolt transmission line in Benton and Klickitat Counties, Washington, and in Umatilla and Sherman Counties, Oregon.
- Wallula Power Project and Wallula – McNary Transmission Line Project Draft Environmental Impact Statement Lead Agencies: Bonneville Power Administration and Washington State Energy Facility Site Evaluation Council (DOE/EIS-0330) February 2002. EIS evaluates impacts of 1,300 MW natural-gas fired combined-cycle combustion gas turbine facility in Walla Walla County, Washington.
- EFSEC Washington State Energy Facility Site Evaluation Council, Wallula Power Project and Wallula-McNary Transmission Line Project Final Environmental Impact Statement (EIS) (DOE/EIS-0330) Bonneville Power Administration, August 2002. The EIS evaluates impacts of a 1,300 MW natural-gas fired combined-cycle combustion gas turbine facility in Walla Walla County, Washington.
- Northwest Pipeline Corporation Evergreen Air Quality and Noise Reports Roosevelt Compressor Station, Klickitat County, by Williams Gas Pipeline – West October 2001. Air quality and noise analysis for compressor station modifications and installations.
- Northwest Pipeline Corporation Evergreen Air Quality and Noise Reports Goldendale Compressor Station, Klickitat County, by Williams Gas Pipeline – West October 2001. Air quality and noise analysis for compressor station modifications and installations.

- The Wind Turbine Company Roosevelt Landfill Windfarm SEPA Checklist/CUP Application, November 1, 2001. Analyzes impacts for 15 MW windfarm proposed for installation at the Roosevelt Landfill.
- Results of a Phase I Cultural Resources Study for the Northwest Pipeline Corporation Expansion II Project, Washington Facilities, Goldendale South Loop, Roosevelt South Loop, Othello Loop, and the Sumas, Mt. Vernon, Snohomish, Sumner, Chehalis, Washougal, Willard, Goldendale, and Roosevelt Compressor Stations, Volumes I and II prepared by Historical Research Associates, Inc., Seattle Washington, July 30, 1993. Cultural resources analysis for natural gas pipeline construction in Washington.<sup>1</sup>

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<sup>1</sup> Note that access to this document may be limited consistent with cultural resource preservation policies.

## List of Acronyms

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|                 |  |
|-----------------|--|
| AAQS            | ambient air quality standard                         |
| AC              | alternating current                                  |
| ACHP            | advisory council on historic preservation            |
| AFY             | acre-feet per year                                   |
| ASIL            | acceptable source impact level                       |
| BACT            | best available control technology                    |
| BEPA            | Bald Eagle Protection Act                            |
| BMPs            | best management practice                             |
| BNSF            | The Burlington Northern and Santa Fe Railway Company |
| BPA             | Bonneville Power Administration                      |
| Btu             | British thermal unit                                 |
| C               | Candidate (species)                                  |
| CAO             | Critical Areas Ordinance (Klickitat County)          |
| CCCT            | combined-cycle combustion turbine                    |
| CFR             | Code of Federal Regulations                          |
| cfs             | cubic feet per second                                |
| CGNSA           | Columbia Gorge National Scenic Area                  |
| CH <sub>4</sub> | methane  |
| CO              | carbon monoxide                                      |
| CO <sub>2</sub> | carbon dioxide                                       |
| CRB             | Columbia basalt group                                |
| CRGNSA          | Columbia River Gorge National Scenic Area            |
| CRP             | Conservation Reserve Program                         |
| CT              | combustion turbine                                   |
| dBA             | decibel A-weighted                                   |
| DC              | direct current                                       |
| DOT             | Department of Transportation                         |

|           |  |
|-----------|--|
| EA        | Extensive Agriculture (county zoning)                                  |
| Ecology   | Washington State Department of Ecology                                 |
| EFH       | essential fish habitat   |
| EFSEC     | Washington Energy Facility Siting Evaluation Council                   |
| EIS       | environmental impact statement   |
| EMF       | electric and magnetic fields   |
| EPA       | U.S. Environmental Protection Agency                                   |
| ESA       | Endangered Species Act   |
| ESP       | electrostatic precipitator   |
| ESU       | evolutionary significant unit  |
| °F        | degrees Fahrenheit   |
| FEMA      | Federal Emergency Management Agency                                    |
| FAA       | Federal Aviation Administration  |
| FERC      | Federal Energy Regulatory Commission                                   |
| FWS       | U.S. Fish and Wildlife Service   |
| GI        | General Industrial (county zoning)                                     |
| GIS       | geographic information system  |
| gpm       | gallons per minute   |
| GR        | General Rural (county zoning)  |
| GWP       | global warming potential   |
| HABS/HAER | Historic American Building Survey/Historic American Engineering Record |
| HAP       | hazardous air pollutants   |
| HAPC      | habitat areas of particular concern                                    |
| HGM       | hydrogeomorphic  |
| hp        | horsepower   |
| HRSG      | heat recovery steam generator  |

|                   |  |
|-------------------|--|
| IEC               | International Electrotechnical Commission                |
| IP                | Industrial Parks (county zoning)                         |
| IPP               | Independent Power Producers                              |
| kg/m <sup>3</sup> | kilograms per cubic meter                                |
| kV                | kilovolt   |
| kW                | kilowatt   |
| kWh               | kilowatt-hour  |
| lb/MM             | pounds per million                                       |
| LE                | listed endangered (species)                              |
| L <sub>eq</sub>   | equivalent average sound level                           |
| LT                | listed threatened (species)                              |
| mg/m <sup>3</sup> | micrograms per cubic meter                               |
| MBTA              | Migratory Bird Treaty Act                                |
| mgd               | million gallons per day                                  |
| MMcf/day          | million metric cubic feet per day                        |
| mph               | miles per hour   |
| MSA               | Magnuson-Stevens Fishery Conservation and Management Act |
| MTBE              | methyl tert-butyl ether                                  |
| MW                | megawatt   |
| NAAQS             | National Ambient Air Quality Standards                   |
| NEPA              | National Environmental Policy Act                        |
| NHPA              | National Historic Preservation Act                       |
| NMFS              | National Marine Fisheries Service                        |
| NPDES             | National Pollutant Discharge Elimination System          |
| NRC               | Nuclear Regulatory Commission                            |
| NREL              | National Renewable Energy Laboratory                     |

|                   |  |
|-------------------|--|
| NRHP              | National Register of Historic Places                                 |
| N <sub>2</sub> O  | Nitrous Oxide  |
| NO <sub>x</sub>   | nitrogen oxide   |
| NOC               | notice of construction   |
| NPDES             | National Pollutant Discharge Elimination System                      |
| NSPS              | new source performance standard                                      |
| NWI               | National Wetland Inventory   |
| NWPPC             | Northwest Power Planning Council                                     |
| OAHP              | Office of Archaeology and Historic Preservation                      |
| OASIS             | open access same time information system                             |
| OS                | Open Space (county zoning)   |
| PE                | proposed endangered (species)  |
| PEIS              | programmatic environmental impact statement                          |
| PGE               | Portland General Electric  |
| PHS               | priority habitat and species   |
| PM <sub>2.5</sub> | particulate matter less than 2.5 micrometers in aerodynamic diameter |
| PM <sub>10</sub>  | particulate matter less than 10 micrometers in aerodynamic diameter  |
| ppm               | parts per million  |
| PSD               | prevention of significant deterioration                              |
| PT                | proposed threatened (species)  |
| PUD               | public utility district  |
| PV                | photovoltaic   |
| RCW               | Revised Code of Washington   |
| RM                | river mile   |
| rpm               | revolutions per minute   |
| ROW               | right of way   |

|                 |  |
|-----------------|--|
| SC              | Species of Concern                           |
| scf             | standard cubic foot                          |
| SCR             | selective catalytic reduction                |
| SEED            | Sustainable Energy For Economic Development  |
| SEPA            | State Environmental Policy Act               |
| SIS             | system impact study                          |
| Sodar           | sound detection and ranging                  |
| SO <sub>2</sub> | sulfur dioxide                               |
| SMA             | Shoreline Management Act                     |
| SPCC            | spill prevention control and countermeasures |
| SWCAA           | Southwest Clean Air Agency                   |
| SWPPP           | Stormwater Pollution Prevention Plan         |
| TAP             | toxic air pollutants                         |
| TBL             | transmission business line                   |
| TCP             | traditional cultural property                |
| TMDL            | total maximum daily load                     |
| tpy             | tons per year                                |
| US ACE          | United States Army Corps of Engineers        |
| USC             | United States Code                           |
| USCG            | United States Coast Guard                    |
| USFWS           | United States Fish and Wildlife Services     |
| USGS            | United States Geological Survey              |
| VOC             | volatile organic compound                    |
| WAC             | Washington Administrative Code               |
| WEST            | Western Eco-Systems Technology, Inc.         |
| WDFW            | Washington Department of Fish and Wildlife   |

|       |  |
|-------|--|
| WISHA | Washington Industrial Safety and Health Act        |
| WNHP  | Washington Natural Heritage Program                |
| WPD   | wind power density                                 |
| WRATS | water rights application tracking system           |
| WRA   | Wind Resource Area                                 |
| WRIA  | water resource inventory area                      |
| WRMP  | Washington Water Resources Management Program      |
| WSDOT | Washington State Department of Transportation      |
| WTG   | wind turbine generator                             |
| WUTC  | Washington Utilities and Transportation Commission |