

Revised Tables



***Klickitat County
Energy Overlay***

Environmental Impact Statement

Table 2-1: Summary of Representative Recently Constructed, Permitted, or Proposed Washington and Oregon Power Projects^(a)

Name	Capacity	Status	Location	Technology Units
Washington Solar Project				
White Bluffs Solar Station (Energy Northwest)	39 kW	Permitted	Hanford, Benton County	Solar-voltaic panels
Washington Bio-mass Projects				
Gorge Energy Division (SDS Lumber) Cogeneration Facility	8 MW	Operating	Bingen, Klickitat County	Milling and logging residue
H.W. Hill Landfill Gas Project (Klickitat Public Utility District [PUD])	30 MW	Operating	Roosevelt Landfill, Klickitat County	Methane gas recovery and combustion (2.1 MW Waukesha gas engines)
Kettle Falls Station (Avista)	46 MW	Operating	Kettle Falls	Wood waste-fired steam turbine
Washington Gas-Fired Projects				
Cliffs Energy Project (GNA Energy, LLC)	300 MW	Withdrawn	Adjacent to Goldendale Smelter, Klickitat County	Five simple-cycle turbines
Goldendale Energy Center	248 MW	Start-up in Summer 2004	Goldendale, Klickitat County	Single "2-on-1" two-combustion-turbine generators and one steam-heat-recovery generator
Northwest Regional Power Facility	838 MW	Site Certificate issued; project on hold	Creston, Lincoln County	Two combined cycle units: two combustion turbine generators and two heat recovery steam generators
Satsop Combustion Turbine Project	650 MW	Construction deferred	Grays Harbor and Thurston Counties	Single "2-on-1" two-combustion-turbine generators and one steam-heat-recovery generator
Starbuck Power Project	1200 MW	Withdrawn	Starbuck, Columbia County	Combined-cycle turbines gas and steam
Sumas Energy Generation Facility 2	660 MW	Fully permitted On hold	Sumas, Whatcom County	Two combustion turbines, two heat-recovery steam generators

Table 2-1: Summary of Representative Recently
Constructed, Permitted, or Proposed Washington
and Oregon Power Projects^(a)

Name	Capacity	Status	Location	Technology Units
Wallula Power Project	1300 MW	Permitted On hold	Walla Walla County	Two “2-on-1” combined-cycle units with duct burners
Washington Wind Projects				
Columbia Wind Ranch (Cielo Wind Power)	80 MW	Withdrawn	Centerville, Klickitat County	40 to 50 turbines
Kittitas Valley Wind Power Project (Zilkha)	250 MW	Permit pending	Northwest of Ellensburg, Kittitas County	100 to 150 wind turbines
Maiden Wind Project (Washington Winds/BPA)	494 MW	Withdrawn	Benton County	549 wind turbines
Nine-Canyon Wind Project (Energy Northwest)	48 MW	Completed	Benton County	37 1.3 MW Bonus wind turbines
Roosevelt Wind Project (Wind Turbine Company)	15 MW	Withdrawn	Roosevelt, Klickitat County	30 wind turbines
Stateline Wind Project (FPL Energy)	180 MW	Constructed and operating	Walla Walla County	273 660 kW Vestas turbines
Stateline Wind Project, Phase 2A	20 MW	Permitted In construction	Walla Walla County	30 660 kW Vestas turbines
Zintel Canyon Wind Project	50 MW	Withdrawn	Benton County	38 1.3 MW Bonus wind turbines
Oregon Gas-Fired Projects				
Coyote Springs Unit 1 (PGE)	250 MW	Constructed and operating	Boardman, Morrow County	Natural gas combined-cycle combustion turbine
Coyote Springs Unit 2 (PGE)	260 MW	Started in 2002	Boardman, Morrow County	Two combustion turbines and two heat-recovery steam generators
Grizzly Power Project	980 MW	Withdrawn	Jefferson County	Two “2-on-1” combined-cycle units
Hermiston Generation Project (Hermiston Generating Co.)	468 MW	Constructed and operating	Hermiston, Umatilla County	Natural gas combined-cycle combustion turbine
Hermiston Power Project (Calpine)	546 MW	Constructed and operating	Hermiston, Umatilla County	Two “1-on-1”

Table 2-1: Summary of Representative Recently
Constructed, Permitted, or Proposed Washington
and Oregon Power Projects^(a)

Name	Capacity	Status	Location	Technology Units
Umatilla Generating Project	550 MW	Pending	Hermiston, Umatilla County	Combined-cycle combustion turbine
Oregon Wind Projects				
Condon Wind Project (Seawest)	24.6 to 25.2 MW	Withdrawn	Gilliam County	26 to 41 turbines, 24.3 to 24.7 MW
Klondike Wind Project (Northwestern Wind Power)	25 MW	Constructed and operating	Sherman County	15 1.5 MW Enron turbines
Klondike Wind Project, Phases 2 and 3 (Northwestern Wind Power)	75 MW	Permit pending	Sherman County	42 to 57 1.3 to 1.5 MW turbines
Stateline Wind Project (FPL Energy)	83 MW	Constructed and operating	Umatilla County	126 660 kW Vestas turbines
Stateline Wind Project, Phase 2 (FPL Energy)	40 MW	Permitted In Construction	Umatilla County	60 660 kW Vestas turbines
Stateline Wind Project, Phase 3 (FPL Energy)	118 MW	Permit submitted	Umatilla County	177 660 kW Vestas turbines

Note:

(a) This table provides summary information for a sample of Oregon and Washington energy projects for which information was readily available from published sources.

kW = Kilowatt

MW = Megawatts

Table 3-3A: Special Status Animal Species in Klickitat County and Proposed Energy

Common Name	Scientific Name	Federal Status	State Status	In Overlay?
AMERICAN WHITE PELICAN	PELECANUS ERYTHORHYNCHOS		Endangered	Yes
BALD EAGLE	HALIAEETUS LEUCOCEPHALUS	Threatened	Threatened	Yes
CANADA GOOSE	BRANTA CANADENSIS			Yes
COLUMBIAN BLACK-TAILED DEER	ODOCOILEUS HEMIONUS COLUMBIANUS			Yes
ELK	CERVUS ELAPHUS			Yes
GREAT BLUE HERON	ARDEA HERODIAS		Monitor	Yes
LEWIS' WOODPECKER	MELANERPES LEWIS		Species of Concern	Yes
LONG-BILLED CURLEW	NUMENIUS AMERICANUS		Monitor	Yes
MOUNTAIN QUAIL	OREORTYX PICTUS			No
MULE AND BLACK-TAILED DEER	ODOCOILEUS HEMIONUS			Yes
OREGON SPOTTED FROG	RANA PRETIOSA	Candidate	Endangered	No
WATERFOWL CONCENTRATIONS				Yes
WESTERN GRAY SQUIRREL	SCIURUS GRISEUS	Species of Concern	Threatened	Yes
WESTERN POND TURTLE	CLEMMYS MARMORATA	Species of Concern	Endangered	Yes
WILD TURKEY	MELEAGRIS GALLOPAVO			Yes
WOOD DUCK	AIX SPONSA			Yes

Note:

Status definitions are provided in Section 3.1.1.1 and 3.1.1.2.

Table 3-3B: Special Status Fish Species in Klickitat County and Proposed Energy

Common Name	Scientific Name	Federal Status	State Status	In Overlay?
RAINBOW AND STEELHEAD TROUT: SUMMER- AND WINTER-RUN	ONCORHYNCHUS MYKISS	FT, FE	SC, PHS 1,3	Yes
RESIDENT AND SEARUN CUTTHROAT TROUT	ONCORHYNCHUS CLARKI CLARKI	FNW	None, PHS 3	Yes
CHINOOK SALMON: FALL-, SPRING-, AND SUMMER-RUN	ONCORHYNCHUS TSHAWYTSCHA	FNW, FT, FE	None, SC, PHS 1,2,3	Yes
COHO SALMON	ONCORHYNCHUS KISUTCH	FC	None, PHS 2,3	Yes
SOCKEYE SALMON	ONCORHYNCHUS NERKA	FNW, FE	SC PHS 1,2,3	Yes
BULL TROUT	SALVENLINUS CONFLUENTUS	FT	SC PHS 1,2,3	Yes
RIVER LAMPREY	LAMPETRA AYRESI	SoC	SC PHS 1	Yes
WHITE STURGEON	ACIPENSER TRANSMONTANUS	None	PHS 2,3	Yes
MOUNTAIN SUCKER	CATOSTOMUS PLATYRHYNCHUS	None	SC PHS 1	Yes

Status Abbreviations:

FE, Federal Endangered

FT, Federal Threatened

FC, Federal Candidate

FNW, Federal Not Warranted

SoC, Federal Species of Concern

SC, State Candidate

PHS, Washington Department of Fish and Wildlife Priority Species List