
Notice of Intent to Apply for a Site Certificate for the Heppner Wind Energy Facility

Morrow and Umatilla Counties, Oregon

Submitted to

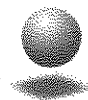
Oregon Energy Facility Siting Council

Prepared for

Heppner Wind Energy LLC

April 2012

Prepared by



CH2MHILL®



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EXHIBIT A

Applicant Information

OAR 345-020-0011(1)(a)

(a) **Exhibit A.** Information about the applicant and participating persons, including:

(A) *The name and address of the applicant including all co-owners of the proposed facility, the name, mailing address and telephone number of the contact person for the NOI, and if there is a contact person other than the applicant, the name, title, mailing address and telephone number of that person;*

Response

Name and mailing address of Applicant:

Heppner Wind Energy LLC
c/o Invenergy Wind Development North America LLC
2580 West Main Street #200
Littleton, CO 80120

Applicant contact persons with mailing address and telephone number:

Thomas Metzger
Heppner Wind Energy LLC
c/o Invenergy Wind Development North America LLC
2580 West Main St #200
Littleton, CO 80120
(720) 283-4694

Michael Baird
Heppner Wind Energy LLC
c/o Invenergy Wind Development North America LLC
2580 West Main St #200
Littleton, CO 80120
(303) 797-5472

Contact persons other than the Applicant:

Linnea Eng
CH2M HILL
1100 112th Avenue NE Suite 400
Bellevue, WA 98004
(425) 895-0879

Jeffrey G. Condit
Miller Nash LLP
3400 U.S. Bancorp Tower
111 S.W. Fifth Avenue
Portland, OR 97204-3699
(503) 205-2305

- (B) *The contact name, address and telephone number of all participating persons, other than individuals, including but not limited to any parent corporation of the applicant, persons upon whom the applicant will rely for third-party permits or approvals related to the facility, and persons upon whom the applicant will rely in meeting any facility standard adopted by the Council.*

Response

Parent Corporation:

Invenergy Wind Development North America LLC
One South Wacker Drive, Suite 1900
Chicago, IL 60606

Contact Name, Mailing Address, and Telephone Number:

Thomas Metzger
Invenergy Wind Development North America LLC
2580 West Main Street #200
Littleton, CO 80120
(720) 283-4694

Michael Baird
Invenergy Wind Development North America LLC
2580 West Main Street #200
Littleton, Colorado 80120
(303) 797-5472

- (C) *If the applicant is a corporation, it shall give:*
- (i) *The full name, official designation, mailing address and telephone number of the officer responsible for submitting the NOI;*

Response

The officer responsible for submitting the Notice of Intent (NOI) is as follows:

Michael Baird
Vice President
Heppner Wind Energy LLC
2580 West Main Street #200
Littleton, Colorado 80120
(303) 797-5472

- (ii) *The date and place of its incorporation;*

Response

Heppner Wind Energy LLC was incorporated in the State of Delaware on August 12, 2011.

- (iii) *A copy of its articles of incorporation and its authorization for submitting the NOI; and*

Response

The articles of incorporation and the Applicant's authorization for submitting the NOI are provided in Attachment A.

- (iv) *In the case of a corporation not incorporated in Oregon, the name and address of the resident attorney-in-fact in this state and proof of registration to do business in Oregon.*

Response

Proof of registration to do business in Oregon is provided in Attachment A-1. The resident attorney-in-fact information is as follows:

Local Counsel:
Miller Nash LLP
3400 U.S. Bancorp Tower
111 S.W. Fifth Avenue
Portland, Oregon 97204-3699

and

Registered Agent
National Corporate Research, LTD
325 13th Street NE
Suite 501
Salem, OR 97301

- (D) *If the applicant is a wholly owned subsidiary of a company, corporation or other business entity, in addition to the information required by paragraph (C), it shall give the full name and business address of each of the applicant's full or partial owners;*

Response

Heppner Wind Energy LLC is a wholly owned subsidiary of Invenergy Wind Development North America LLC. The full name and business address are as follows:

Invenergy Wind Development North America LLC
One South Wacker Drive, Suite 1900
Chicago, IL 60606
(312) 224-1400

- (E) *If the person submitting the NOI is an association of citizens, a joint venture or a partnership, it shall give:*
- (i) *The full name, official designation, mailing address and telephone number of the person responsible for submitting the NOI;*
 - (ii) *The name, business address and telephone number of each person participating in the association, joint venture or partnership and the percentage interest held by each;*
 - (iii) *Proof of registration to do business in Oregon;*
 - (iv) *A copy of its articles of association, joint venture agreement or partnership agreement and a list of its members and their cities of residence; and*
 - (v) *If there are no articles of association, joint venture agreement or partnership agreement, the applicant shall state that fact over the signature of each member;*

Response

The Applicant is not an association of citizens, joint ventures, or partnerships. Therefore, this rule is not applicable.

- (F) *If the applicant is a public or governmental entity, it shall give:*
 - (i) *The full name, official designation, mailing address and telephone number of the person responsible for submitting the NOI; and*
 - (ii) *Written authorization from the entity's governing body to submit an NOI;*

Response

The Applicant is not a public or governmental entity. Therefore, this rule is not applicable.

- (G) *If the applicant is an individual, the individual shall give his or her mailing address and telephone number.*

Response

The Applicant is not an individual. Therefore, this rule is not applicable.

Facility Description

OAR 345-020-0011(1)(b)

(b) *Exhibit B. Information about the proposed facility, including:*

(A) *A description of the proposed energy facility, including as applicable:*

(i) *The nominal electric generating capacity and the average electrical generating capacity, as defined in ORS 469.300.*

Response

Overview of Proposed Facility

The Applicant proposes to construct a wind energy facility (Facility) in Morrow County, Oregon. The proposed Facility may consist of up to 502 megawatts (MW) of nominal electric generating capacity and up to 151 average megawatts MW(a) of electrical generating capacity¹. The Facility will likely be constructed in phases based on market demand. This NOI proposes a Facility area that would include all phases unless stated otherwise.

The proposed Facility site boundary encompasses approximately 61,000 acres, and could include up to 335 wind turbine generators, each with a nameplate capacity between 1.5 and 3.0 MW (fewer wind turbines will be used if larger individual turbines are selected). The quantity of wind turbine generators will be determined before construction based on optimization of the area's wind characteristics, site characteristics, and the available technology. The Facility also will include a new 230-kilovolt (kV) transmission line to deliver power to the point of interconnection (POI) with a regional transmission network. The POI currently is planned to occur at a proposed new Bonneville Power Administration (BPA) 500-kV substation in the vicinity of Stanfield, Oregon. The Facility may include a step-up substation at the terminus of the 230-kV transmission line to increase voltage to 500 kV before interconnecting with the BPA system.

The Facility components are proposed on private land for which the Applicant has signed or is in discussions for signing long-term wind energy leases and/or transmission easements with the landowners. If necessary, easements may also be negotiated with adjacent landowners for road and collector cable access.

Construction of the project is contingent on the Applicant securing a long-term power purchase agreement or build-transfer agreement with a major utility company. The completion of commissioning and start of commercial operation is anticipated to occur approximately 12 months after construction begins.

(ii) *Major components, structures and systems, including a description of the size, type and configuration of equipment used to generate electricity and useful thermal energy.*

Response

Major Components, Structures, and Systems

Major components, structures, and systems associated with the proposed Facility are described in the next sections.

¹ Based on the Oregon Revised Statute 469.300 definition of average generating capacity for wind projects. Actual electrical generating capacity may be higher based on meteorological conditions at the Facility site.

Turbine

The Applicant is considering 1.5- to 3.0-MW wind turbine models for the Facility. Final turbine selection may not occur until after the site certificate is issued. For the purpose of the Facility layout described in this NOI, the Applicant assumed a 1.6-MW wind turbine generator. The forthcoming Application for Site Certificate (ASC) will assess the worst-case scenario for turbine impacts (e.g., number of turbines, height, and size). Worst-case scenarios depend on the range of turbine impacts on the particular resource being evaluated (i.e., visual, noise, and land/habitat disturbance), and each resource evaluation will identify how the worst-case scenario was determined. For example, for the visual and noise evaluations, both the maximum and minimum turbine layouts will be analyzed to determine the worst-case scenario. For the habitat impacts, the larger of the estimated disturbance areas will be analyzed.

A typical wind turbine generator, as shown in Figure B-1, consists of a tubular steel tower mounted on a reinforced concrete foundation, and the nacelle, which houses equipment such as the gearbox and supports a rotor with three blades. The tower and nacelle height will range from 80 to 100 meters (262 to 328 feet) above ground service. The total height of the turbine tower and blades (tip-height) is expected to range from 120 to 162.5 meters (394 to 533 feet). Turbines will deliver power to an onsite collection system that will be connected to one or more proposed new onsite Facility collector substations. The turbines will be grouped in linear strings, and some will include aviation safety warning lights as required by the Federal Aviation Administration (FAA). The minimum number of turbines with lighting and the lighting plan will be determined in consultation with the FAA.

Nacelle

The nacelle houses several of the turbine components, including the turbine's main shaft, gearbox, brakes, bearings, cooling system, hydraulic systems, yaw gears, and generator. In some models, the GSU transformer is located in the nacelle. The GSU increases the turbine output voltage from a maximum of 690 volts to the collection system voltage of 34.5 kV. The nacelle has an anemometer to measure wind speed and direction.

Blades and Rotor

Three turbine blades attach to the turbine's main shaft at the rotor hub. Depending on the turbine model selected, the blades will be made of either carbon fiber or laminated fiberglass and may range from 41 to 62.5 meters (135 to 205 feet) in length. When in motion, the blades may cover an area of between 83 and 125 meters (271 and 410 feet) in diameter known as the rotor-swept area. See Figure B-1.

The rotor's rotational speed ranges from 10 to 20 revolutions per minute (rpm). The turbines operate on a variable pitch principal whereby the rotor blades rotate about their axis while maintaining an optimum position that maximizes electrical output for various wind speeds while maintaining a constant rotational speed. The turbines begin to generate electricity at a wind speed of approximately 3.5 meters per second (m/s) and would be shut down at a wind speed exceeding approximately 25 m/s.

Towers

The prevalent tower design supporting the wind turbine is tapered from the base to the hub, with a base diameter of 4 meters (14 feet) and rising between 80 and 100 meters (262 and 328 feet) in height, as shown in Figure B-1. The tower is hollow and houses a ladder to access the nacelle and electrical components. A self-diagnosing controller is located inside the base within the tower. Each tower will feature a locked entry door at ground level and an internal access ladder with safety platforms for access to the nacelle. Towers will be fabricated in sections and assembled onsite. Towers will be uniformly painted an FAA-approved color suitable for daytime marking and air navigation. The tower will be designed to withstand the maximum wind speeds expected at the Facility. The actual tower design will depend upon the manufacturer chosen.

The turbine towers are mounted on a reinforced concrete foundation. Depending on soil conditions, foundations may include a pier- or spread-type footing, or similar design. Regardless of the footing type, a permanent cleared area of up to 100 feet in diameter will be maintained around each turbine. Figure B-2 presents a typical pier- and

spread-type footing foundation. The actual foundation design for each turbine will be determined based on site-specific geotechnical information and structural loading requirements of the selected turbine model.

Generator Step-Up Transformer and Transformer Foundations

For all turbine types, a GSU transformer will be installed at each wind turbine to increase the output voltage of the wind turbine to the voltage of the power collection system (typically 34.5 kV). If the GSU is not installed in the nacelle as described above, it will be installed at the base of the tower on a small concrete slab foundation within the clear area.

The typical GSU transformer is a rectangle measuring approximately 7.5 feet by 8.5 feet. Support for the transformer will be a concrete foundation typically over a layer of base rock as determined by a site-specific geotechnical study.

(iii) Methods for waste management and waste disposal, including, to the extent known, the amount of wastewater the applicant anticipates, the applicant's plans for disposal of wastewater and storm water, and the location of disposal;

Response

The Facility will not produce wastewater for disposal nor will it produce significant quantities of solid waste. Further details of stormwater drainage, water, solid waste management, and sewage treatment during both construction and operations are discussed in Exhibit K.

(iv) For thermal power plants:

I. A discussion of the source, quantity and availability of all fuels proposed to be used in the facility to generate electricity or useful thermal energy.

II. Methods for disposal of waste heat.

Response

The Facility is not a thermal power plant. Therefore, this rule is not applicable.

(v) For transmission lines, approximate transmission line voltage, load carrying capacity and type of current.

Response

The Facility is a wind power plant, with related and supporting above- and below-ground transmission lines. Power output from the wind turbine generators will be transmitted as alternating current (AC) by a series of 34.5-kV electric cables, known as the collector system. The majority of the collector system will be buried underground in a trench approximately 3 feet wide and not less than 3 feet deep. Some overhead 34.5-kV cabling may be necessary due to the project area topography of ridges and canyons, soil conditions, and/or at road or railroad crossings if an underground crossing is feasible.

The design of the collector system will be completed in the final engineering drawings. This information will be presented to Morrow County (and to the Oregon Department of Energy [ODOE]) with the application for a building permit.

The Applicant proposes to construct at least one and possibly up to four onsite Facility collector substations to collect the turbine power and increase the voltage from 34.5 kV to 230 kV. The number of substations will depend on several factors such as construction phasing, topography, and utility power purchase and metering arrangements. The Facility power output will be conveyed to the POI via an overhead 230-kV AC transmission line. The load-carrying capacity of the 230-kV transmission line will be capable of supporting at least 502 MW (at least 550 megavolt ampere [MVA]). The 230-kV overhead transmission line will be supported by H-frame, lattice towers, or monopole structures. The structures will be approximately 60 to 150 feet above grade and spaced approximately 400 to 1,000 feet apart depending on the chosen structure and site conditions.

The Applicant requests flexibility in the final siting of the Facility collector substations, pending final engineering drawings.

(vi) *For pipelines, approximate operating pressure and delivery capacity in thousand cubic feet per day.*

Response

The Facility is not a pipeline. Therefore, this rule is not applicable.

(vii) *For surface facilities related to underground gas storage, estimated daily injection and withdrawal rates, horsepower compression required to operate at design injection or withdrawal rates, operating pressure range and fuel type of compressors.*

Response

The Facility does not have underground gas storage. Therefore, this rule is not applicable.

(viii) *For facilities to store liquefied natural gas, the approximate volume, maximum pressure, liquefaction and gasification capacity in thousand cubic feet per hour.*

Response

The Facility does not store liquefied natural gas. Therefore, this rule is not applicable.

(B) *A description of major components, structures and systems of each related or supporting facility.*

Response

Related or Supporting Facilities

Related or supporting facilities consist of the power collector lines, Facility collector substations, a 230-kV transmission line and interconnection substation, communication and Supervisory Control and Data Access (SCADA) systems, an operations and maintenance (O&M) building, meteorological towers, access roads, and additional temporary construction facilities such as staging areas, batch plants, and rock quarries.

Power Collector Lines

The Facility's power collector lines will be installed along and between the turbine strings. The collector lines are designed to collect power generated by each wind turbine and route the power to the Facility collector substations. The collector lines will have a voltage of 34.5 kV.

Most of the collector lines will be buried underground in a trench approximately 3 feet wide and not less than 3 feet deep. Cabling trenches will be sited in areas paralleling existing or new roads, where possible, to minimize ground disturbance. Trenches will be backfilled and compacted with the excavated material. Intermittent cable and junction splice boxes will be located on the ground surface above the underground cabling. The Applicant requests flexibility in siting a limited amount of overhead 34.5-kV cabling, for areas where underground cabling is not feasible. The overhead collector lines will be supported by wood or steel poles either in a two-pole H-Frame or monopole support structure. Aboveground cable and transmission structures allow the Applicant to span canyons, intermittent streams, and sensitive habitat, thereby reducing environmental impacts. The final siting of the collector lines will be identified once final engineering drawings are completed.

Collector Substations

One to four Facility collector substations are possible. The most likely layout scenario, containing three collector substations, is shown in Figure G-2. The Facility collector substations will increase the collection system voltage from 34.5 kV to 230 kV. From the collector substation 230-kV transformer, power will be conveyed via a 230-kV overhead transmission line to the POI.

Each Facility collector substation typically will be 1 to 5 acres, and will consist of circuit breakers, power transformer(s), bus and insulators, disconnect switches, relaying, battery and charger, surge arrestors, AC and DC supplies, control house, metering equipment, SCADA system provisions, grounding and associated control wiring.

The Facility collector substations will be located on private land. Approximate possible locations are identified in Figure G-2 of Attachment G. The Applicant requests flexibility in the final siting of the Facility collector substations, pending final engineering drawings.

230-kV Transmission Line

A new overhead, 230-kV transmission line will connect the Facility collector substation(s) to the POI. The total transmission line length will range from 39 to 46 miles to the BPA POI in unincorporated Umatilla County near Stanfield, northeast of the Facility site boundary. The length will depend on the selected final route.

The overhead transmission line will be supported by H-frame wooden structures or monopole structures, or a combination thereof, depending on terrain and land use along the route.

The Applicant is in the process of identifying the 230-kV transmission line route and requests flexibility in siting the transmission line. Preliminary studies and analyses will be completed and presented in the ASC.

230-kV/500-kV Step-up Substation

The proposed Facility may include an outdoor substation at the terminus of the 230-kV transmission line to step up voltage to 500 kV, depending on the future BPA substation design. The private Facility substation would be located on approximately 5 to 10 acres of private land adjacent to the BPA substation.

Communication and SCADA Systems

The collector lines will follow fiber optic or copper communication lines. The communication line will run from each wind turbine to the substations and the O&M building (see next section for description of O&M building). The communication system will allow individual wind turbines and other facilities to be monitored and controlled both onsite (in the O&M building) and from remote locations. The communication system also will follow the overhead transmission line to the interconnection substation.

Additionally, wind turbines will be equipped with computer control systems to monitor variables such as wind speed and direction, air and machine temperatures, electrical voltages, currents, vibrations, blade pitch, and yaw angles. Each turbine will be connected to a central SCADA system, which allows for remote control and monitoring of individual turbines and the wind plant as a whole from the central host computer or from a remote computer.

Operations and Maintenance Building

The Applicant plans on constructing one O&M building for the proposed Facility. The O&M building will be located on approximately 5 to 10 acres and will consist of a single-story structure of approximately 3,000 square feet. The building will vary in height from approximately 12 to 25 feet, with office space, high bay workshop areas, and storage, bathroom, and kitchen facilities. Water for the bathroom and kitchen will be obtained from a local well. Water use will be less than 5,000 gallons per day (gpd). The bathroom, kitchen, and utility sink will drain into an onsite septic system. Electric and telephone service will be provided by the local service providers and connect to the O&M building using overhead and/or underground lines. A permanent fenced parking and storage area for employees, visitors, equipment, and emergency response vehicles will be located adjacent to the building.

Permanent Meteorological Towers

The Applicant will install permanent meteorological (met) towers within the proposed Facility site boundary for the collection of data. Each tower will be approximately 60 to 100 meters (197 to 328 feet) tall and consist of a single, unguyed pole or an unguyed, three-faced lattice tower secured by a concrete foundation. Installation of permanent met towers requires approximately 0.5 acre of temporary disturbance per tower. The permanent

footprint of each met tower is approximately 100 square feet. Permanent met towers will be fitted with safety lighting and paint as required by the FAA.

Access Roads

Access to the proposed Facility will be provided primarily by Interstate 84 (I-84), Oregon Route 74 (OR 74), Oregon Route 207 (OR 207), and a combination of existing county and private roads, as well as new private roads constructed for proposed Facility access. New road construction and upgrades or improvements to existing state or county roads will be done according to applicable state and/or county road standards and through approval of the appropriate governmental entities.

The Applicant proposes to construct new gravel roads along the length of turbine strings and in areas where existing roads do not provide access to wind turbine locations.

Typical existing private and public roads are generally 8 to 30 feet in width. Proposed Applicant improvements may include widening select existing roads and/or bridges to accommodate access for construction vehicles. These areas will be reclaimed upon completion of construction unless the affected entities that own the roadways desire some of the widened improvements to be left in place.

New private access roads generally will be up to 20 feet wide. An additional 20 feet may be temporarily disturbed for crane paths during construction. The Applicant will design new access roads under the direction of a licensed engineer. Roads will be compacted to meet load requirements for equipment. The roads will be retained to at least 20 feet wide after construction. Use of these roads may continue during Facility operations.

Temporary Staging Areas

During construction, the Applicant may build staging areas to temporarily store supplies and equipment, and to process rock and mix concrete during construction. Various staging areas of up to 20 acres each will be located within the proposed Facility site boundary. Staging areas may include gravel surfaces and fencing. Staging areas will be restored to prior condition unless otherwise noted in the ASC and/or site certificate.

Temporary Concrete Batch Plants and Rock Quarries

One or more temporary concrete batch plants and rock quarries may be constructed within the proposed Facility site boundary. Required batch plants may be approximately 5 to 10 acres in size and may be used for aggregate storage and concrete preparation for turbine pads. Batch plant locations will be identified in the ASC and permitted per local ordinances and codes by a selected contractor. Any rock for construction purposes will be obtained from either existing permitted quarries or new, permitted quarries developed by a selected contractor. Associated rock-crushing activities may occur at the quarry as needed, prior to transporting material to the temporary batch plant. Operation of batch plants and quarries will meet all applicable local and state ordinances and codes.

(C) *The approximate dimensions of major facility structures and visible features.*

Response

Approximate Dimensions of Major Facility Structures and Features

Turbines

The generator installed in each turbine will have a nameplate rating of approximately 1.5 to 3.0 MW, depending on the turbine model chosen for this proposed Facility. The Applicant is considering various turbine models. Final turbine selection may not occur until after issuance of a site certificate. Figure B-1 shows the typical configuration for a wind turbine. A range of dimensions for the total turbine height, tower height, rotor blade diameter, and rotor blade height is illustrated in Table B-1.

TABLE B-1
 Approximate Minimum and Maximum Dimensions of Major Turbine Structures and Visible Features for Turbines from 1.5 to 3.0 Megawatts

Turbine Dimension	Minimum (1.5 MW)	Maximum (3.0 MW)
Total Turbine Height	120 meters (394 feet)	162.5 meters (533 feet)
Tower Type	Tubular	Tubular
Tower Height	80 meters (262 feet)	100 meters (328 feet)
Rotor Blade Diameter	83 meters (271 feet)	125 meters (410 feet)
Rotor Blade Height Above Turbine	41 meters (135 feet)	62.5 meters (205 feet)

Note: All dimensions are approximate.

Final siting of all features is contingent on completion of environmental studies and detailed engineering and constructability studies.

Operations and Maintenance Building

As described above, the O&M building will be located on approximately 5 to 10 acres and consist of a single-story structure of approximately 3,000 square feet.

Substations

As described above, one to four onsite Facility collector substations of approximately 1 to 5 acres each are proposed to be installed, and one 230- to 500-kV step-up substation of 5 to 10 acres is proposed.

Transmission Line Dimensions

As described above, the 230-kV overhead transmission line route from the proposed Facility collector substation is approximately 39 to 46 miles to the 500-kV transmission line at the proposed new BPA Stanfield substation, depending on the routing selected. The overhead transmission line either will be supported by H-frame wooden structures, monopole structures, or a combination thereof. The structures will be approximately 60 to 120 feet high and spaced approximately 400 to 1,000 feet apart depending on the chosen structure and site conditions.

EXHIBIT C

Facility Location

OAR 345-020-0011(1)(c)

(c) **Exhibit C.** A description of the location of the proposed energy facility site and the proposed site of each related or supporting facility and all areas that might be temporarily disturbed during construction of the facility, including the approximate land area of each.

Response

The proposed 502-MW Facility site boundary is located in Morrow County, Oregon. The approximate centroid of the proposed Facility site boundary is located approximately 7 miles east of the City of Heppner. The following townships, ranges, and sections are located within the proposed Facility site boundary:

- Township (T) 1 North (N), Range (R) 28E, Sections (S) 4, 5, 8, 9, 16, 17, 21, 28, 33, 34
- T1S, R27E, S1, 12-14, 23-27, 33-36
- T1S, R28E, S2, 4-11, 14-23, 26-36
- T2N, R28E, S1-4, 9-12, 16, 17, 20, 28, 29, 33
- T2N, R29E, S2-10
- T2S, R27E, S1-4, 11-14, 24-25
- T2S, R28E, S1-36
- T2S, R29E, S30, 31
- T3N, R28E, S1, 12, 13, 24, 25, 36
- T3N, R29E, S2-3, 6-7, 11, 13-14, 18-19, 23-25, 30-31, 33-36
- T3S, R28E, S1-6, 8-18, 20-28, 33-36
- T3S, R29E, S6, 18-19, 31
- T4N, R28E, S25, 36
- T4N, R29E, S19-21, 27-31, 33-35
- T4S, R28E, S1-4

Figure G-1 (Attachment G) shows the proposed Facility site boundary. The site encompasses approximately 61,000 acres of private land. The Applicant has signed wind lease and easement agreements for a majority of the land within the proposed Facility site boundary and is working with the remaining landowners to obtain signed agreements.

The Applicant proposes a corridor and micrositing permitting approach for locating major components, structures, systems, roads, and other related or supporting facilities, including the transmission line. This approach involves surveying and specifying corridors within which Facility components may be microsited and constructed in lieu of specifying the exact locations. This approach allows flexibility in the final orientation of Facility components, and allows for potential impacts to wildlife, habitat, and other resources to be minimized or avoided. The corridor and later micrositing also provides flexibility in reaching final easement agreements with landowners and selecting turbine vendors and sizes to both maximize the use of the wind resource and minimize ground disturbance. The Applicant can optimize the final layout while assessing a range of possible impacts, thus demonstrating to the regulatory agencies that the proposed Facility will meet applicable regulatory standards for all potential layout options considered.

For the purpose of completing studies and analyses to be included in the ASC (i.e., noise, visual, and land/habitat), the Applicant will present a proposed Facility layout in the ASC that reflects the minimum and maximum designs for each resource in accordance with the Council standard.

Alternative Locations

OAR 345-020-0011(1)(d)

(d) **Exhibit D.** *If the proposed energy facility is a pipeline or a transmission line or has, as a related or supporting facility, a transmission line or pipeline that, by itself, is an energy facility under the definition in ORS 469.300, identification of at least two proposed corridors, as defined in OAR 345-001-0010, or identification of a single proposed corridor with an explanation of why alternate corridors are unlikely to better meet the applicant's needs and satisfy the Council's standards. The applicant shall include an explanation of the basis for selecting the proposed corridor(s) and, for each proposed corridor, the information described in subsections (e), (g), (i), (j), (k), (n) and (p) that is available from existing maps, aerial photographs, and a search of readily available literature.*

Response

The proposed Facility is not a pipeline or a transmission line as defined by ORS 469.300. The Facility includes a transmission line as a related or supporting facility.

The transmission line is a new overhead, 230-kV line that connects the Facility in Morrow County to a proposed new BPA interconnection substation in Umatilla County near Stanfield. The total new overhead, 230-kV line will be more than 10 miles in length and cross from Morrow County into Umatilla County. Therefore, the transmission line falls within the definition of "energy facility" under ORS 469.300(11)(a)(C).

The Applicant is proposing permitting corridors, or routes, for the transmission line (or transmission line segments) to the BPA Stanfield substation to allow for future micro-siting around wetlands, Washington ground squirrel colonies, and other sensitive features. The Applicant has proposed one potential route through Morrow County and two potential routes (Route 1 and Route 2 on Figure G-2) for portions of the transmission line through Umatilla County.

The proposed transmission line routes are limited by the need for a direct route to carry electricity from the proposed turbines to the interconnection point; by topography; by natural and human-made features such as rivers, railroad tracks, highways, and irrigation pivots; and by the need to locate the route on land for which the Applicant has signed or is in the process of signing transmission easements with willing landowners.

The Applicant selected the proposed routes from the Facility to the BPA Stanfield substation after determining that no other route with significant differences from those proposed would "better meet the Applicant's needs and satisfy the Council's standards." The transmission line is described in Exhibit B and the potential routes to the BPA POI are shown in Figure G-2 (Attachment G). The Applicant will survey and analyze the proposed interconnection routes consistent with OAR requirements and the results will be presented in Exhibit B of the Applicant's ASC.

In the future, the Applicant may propose a second transmission line and point of interconnection to the proposed Portland General Electric (PGE) 500-kV Cascade Crossing Transmission Project to deliver all or a portion of the project output to the PGE system. The transmission line would run from the Facility through Morrow County to the proposed Grasslands Substation near the current site of the PGE Boardman Power Plant. The approximate location anticipated for the Grasslands Substation is shown for reference in Figure G-2 (Attachment G).

EXHIBIT E

Permits Needed for Construction and Operation

OAR 345-020-0011(1)(e)

(e) **Exhibit E.** Identification of all federal, state and local government permits needed before construction and operation [of] the proposed facility, legal citation of the statute, rule or ordinance governing each permit, and the name, address and telephone number of the agency or office responsible for each permit.

Response

Table E-1 identifies the federal, state, and local government permits needed to construct and operate the proposed Facility.

TABLE E-1
Permits Required for Construction and Operation of the Proposed Facility

Permit	Agency	Authority
Federal Permits		
Record of Decision/National Environmental Policy Act Compliance (for BPA's decision to interconnect the proposed Facility to BPA's transmission network)	Bonneville Power Administration Attn: Andrew M. Montaño Environmental Project Manager 905 NE 11th Avenue Portland, OR 97208 (503) 230-4145	National Environmental Policy Act (NEPA), Section 102 (42 USC § 4332); 40 CFR § 1500
Clean Water Act, Section 404	U.S. Army Corps of Engineers, Portland District Attn: Karla Ellis, Permit Evaluator PO Box 2946 Portland, OR 97208-2946 (541) 808-4377	Clean Water Act, Section 404 (33 USC § 1344); 33 CFR §§ 320, 323, 325-28, and 330
Notice of Proposed Construction or Alteration (Form 7460.1)	Federal Aviation Administration Attn: Donna O'Neill, AJR-322 FAA Obstruction Evaluation Service 901 Locust Kansas City, MO 64106 (816) 329-2525	Federal Aviation Act of 1958 (14 USC § 44718); 14 CFR § 77
State Permits		
Energy Facility Site Certificate	Oregon Department of Energy Energy Facility Siting Council Attn: Mo Walker 395 E. Highland Avenue Hermiston, OR 97838 541-567-3840 ext. 227	ORS 469.300 et seq.; OAR Chapter 345, Divisions 1, 21-24
Removal/Fill Permit	Oregon Department of State Lands 1645 NE Forbes Rd., Suite 112 Bend, OR 97701 (541) 388-6112	ORS 196; OAR Chapter 141, Division 85
Onsite Sewage Disposal Construction-Installation Permit	Oregon Department of Environmental Quality Water Quality Onsite Program	ORS 454 and 468B; OAR Chapter 340, Divisions 71 and 73

TABLE E-1
Permits Required for Construction and Operation of the Proposed Facility

Permit	Agency	Authority
	Attn: Bob Marshall Eastern Region 700 SE Emigrant #330 Pendleton, OR 97801 (541) 276-4063 (800) 304-3513	
NPDES General Permit 1200-A	Oregon Department of Environmental Quality Attn: Krista Ratliff Eastern Region 229 Broadalbin St. SW Albany, OR 97321 (541) 967-2051	Clean Water Act, Section 402 (33 USC § 1342); 40 CFR § 122; ORS 468 and 468B; OAR Chapter 340, Division 45
NPDES Stormwater Discharge Permit 1200-C	Oregon Department of Environmental Quality Attn: Krista Ratliff Eastern Region 475 NE Bellevue Drive, Suite 110 Bend, OR 97701 (541) 633-2026	Clean Water Act, Section 402 (33 USC § 1342); 40 CFR § 122; ORS 468 and 468B; OAR Chapter 340, Division 45
401 Water Quality Certification	Oregon Department of Environmental Quality 811 SW 6th Avenue Portland, OR 97204 (503) 229-5279	Clean Water Act, Section 401 (33 USC § 1341); OAR Chapter 340, Division 48
Water Right Permit or Water Use Authorization	Oregon Water Resources Department Water Rights Section District 10 Attn: June Miller 116 SE Dorion Avenue Pendleton, OR 97801 (541) 278-5456	ORS 537; OAR 690 Divisions 310, 340, 410 and 502
General Water Pollution Control Facilities Permit, WPCF-1000, Gravel Mining and Batch Plant	Oregon Department of Environmental Quality Eastern Region 700 SE Emigrant, Suite 330 Pendleton, OR 97801 (541) 276-4063 Department of Geology and Mineral Industries Mineral Land Regulation and Reclamation Program 229 Broadalbin St. SW Albany, OR 97321 (541) 967-2039	Clean Water Act, Section 402 (33 USC § 1342); 40 CFR § 122 (2007); ORS 468B; OAR Chapter 340, Division 45
Air Contaminant Discharge Permit	Oregon Department of Environmental Quality Eastern Region 475 NE Bellevue Drive, Suite 110 Bend, OR 97701 (541) 633-2026	OAR Chapter 340, Division 216
Oversize Load Movement Permit/Load Registration	Oregon Department of Transportation Motor Carriers Transportation Division 550 Capitol Street NE Salem, OR 97301	ORS 818.030; OAR Chapter 734, Division 82

TABLE E-1
Permits Required for Construction and Operation of the Proposed Facility

Permit	Agency	Authority
	(503) 378-1289	
Permit to Construct a State Highway Approach	Oregon Department of Transportation Attn: Marilyn Holt ODOT District 12 1327 SE Third Street Pendleton, OR 97058 (541) 276-1241	OAR Chapter 734, Division 51
Exploration Permit	Oregon Department of Geological and Mineral Industries Attn: ReNeea Gordon 229 Broadalbin St. SW Albany, OR 97321 (541) 967-2051	ORS Chapter 517, OAR Chapter 632, Division 30
Mining Operating Permit	Oregon Department of Geological and Mineral Industries Attn: ReNeea Gordon 229 Broadalbin St. SW Albany, OR 97321 (541) 967-2051	ORS Chapter 517, OAR Chapter 632, Division 30
Archaeological Excavation Permit	Oregon Parks and Recreation Department, State Historic Preservation Office 725 Summer Street NE Suite C Salem, OR 97301 (503) 986-0707	ORS Chapter 97, 197, 358, and 390; OAR Chapter 736, Division 51
Local Permits		
Conditional Use Permit	Morrow County Planning Department Attn: Carla McLane, Planning Director 205 NE Third Street Irrigon, OR 97844 (541) 922-4624	MCZO Section 3.010, Exclusive Farm Use Zone; MCZO Article 6.1, Conditional Uses
Conditional Use Permit	Umatilla County Department of Land Use and Planning Attn: Tamra Mabbott, Planning Director 216 SE Fourth Street Pendleton, OR 97801	UCDO Section 152.055, Exclusive Farm Use Zone; UCDO Section 152.610, Conditional Uses and Land Use Decisions

Property Ownership

OAR 345-020-0011(1)(f)

(f) **Exhibit F.** A list of the names and mailing addresses of all owners of record, as shown on the most recent property tax assessment roll, of property located within or adjacent to the site boundary as defined in OAR 345-001-0010. In addition to incorporating the list in the NOI, the applicant shall submit the list to the Department of Energy in electronic format acceptable to the Department for the production of mailing labels. Property adjacent to the site boundary means property that is:

- (A) Within 100 feet of the site boundary where the site, corridor or micrositing corridor is within an urban growth boundary;
- (B) Within 250 feet of the site boundary where the site, corridor or micrositing corridor is outside an urban growth boundary and not within a farm or forest zone; and
- (C) Within 500 feet of the site boundary where the site, corridor or micrositing corridor is within a farm or forest zone;

Response

The proposed Facility site boundary and study corridors are located on land zoned for exclusive farm use. Therefore, the requirements of OAR 345-020-0011(1)(f)(C) are applicable. Tables F-1 and F-2 in Attachment F list the names and mailing addresses of all owners of record in Morrow and Umatilla counties, respectively, located within 500 feet of the proposed Facility site boundary, including transmission alignment alternatives.

The Applicant compiled these lists based on the most recent property tax assessment data provided by both counties. Morrow County provided tax assessment data on April 9, 2012, and Umatilla County provided tax assessment data on April 17, 2012. These dates are indicated on each table and figure provided in this Exhibit.

In addition to owners within 500 feet of the site boundary, the Applicant is providing parcel owner names and addresses for parcels out to a 1-mile buffer in several locations near the proposed Facility. In wide-open expanses around the proposed wind energy facilities in Morrow County, neighbors' homes are sometimes a mile or more apart. For the two proposed transmission line route alternatives in Umatilla County, the Applicant is providing parcel ownership data for an approximate one-quarter mile buffer. The purpose of two potential transmission line routes and the larger notification buffer is to provide the widest range of flexibility for the Applicant and area landowners to arrive at a mutually agreeable transmission route. See Tables F-3 and F-4 for lists of landowners beyond the OAR-prescribed 500-foot buffer who will be notified in Morrow and Umatilla counties, respectively.

The following additional information is provided:

- A set of geographic information system (GIS) maps identifying the tax lot location of each landowner on the lists in Tables F-1 through F-4 in relation to the proposed Facility site boundary. The set of maps is provided in Attachment F, Figure F-1.
- A separate list of the landowners identified in Tables F-1 through F-4, in an electronic format suitable for the production of mailing labels (available on request).

Facility Maps

OAR 345-020-0011(1)(g)

(g) *Exhibit G. A map or maps showing:*

Response

Attachment G contains five maps showing the information required under OAR 345-020-0011(1)(g). These figures are described below.

(A) *The proposed locations of the energy facility site, all related or supporting facility sites and all areas that might be temporarily disturbed during construction of the facility in relation to major roads, water bodies, cities and towns, important landmarks and topographic features;*

Response

Figure G-1 illustrates the location of the proposed Facility site boundary in relation to major roads, waterbodies, cities and towns, important landmarks, and topographic features.

(B) *The proposed locations of the corridors the applicant has identified under subsection (d) in relation to major roads, water bodies, cities and towns, important landmarks and topographic features;*

Response

Figure G-2 illustrates the proposed locations of the corridors that the Applicant has identified in relation to major roads, waterbodies, cities and towns, important landmarks, and topographic features. The proposed Facility site boundary and related or supporting features are identified.

(C) *The study area(s) for the proposed facility as defined in OAR 345-001-0010;*

(D) *The topography of the study area(s) including streams, rivers, lakes, major roads and contour lines;*

Response

Figure G-3 shows the boundaries and topography (including streams, rivers, lakes, major roads, and contours) of the study areas for protected areas (20 miles), scenic resources and public services (10 miles), recreational resources (5 miles), threatened and endangered plant and animal species areas (5 miles), land use (0.5 mile), and fish and wildlife habitat (0.5 mile). The Applicant developed these maps to correspond with the study areas as defined under OAR 345-001-0010(57). The Applicant understands that ODOE will formally establish these study areas in the Project Order.

(E) *All protected areas in the study area as defined in OAR 345-001-0010 for impacts to protected areas; and*

Response

Figure G-4 shows protected areas in the 20-mile study area as defined in OAR 345-001-0010(57) and as designated in OAR 345-022-0040.

(F) *The location of any potential waters of the state or waters of the United States that are on or adjacent to the site.*

Response

Figure G-5 shows the locations of any potential waters of the state or waters of the United States (U.S.) that are on or adjacent to the site boundary.

EXHIBIT H

Nongenerating Energy Facility

OAR 345-020-0011(1)(h)

(h) Exhibit H. If the proposed facility is a non-generating energy facility for which the applicant must demonstrate need under OAR 345-023-0005, identification of the rule in Division 23 of this chapter under which the applicant intends to demonstrate need and a summary statement of the need and justification for the proposed facility.

Response

The proposed Facility is not a nongenerating energy facility. Therefore, this Exhibit is not applicable.

EXHIBIT I

Land Use

OAR 345-020-0011(1)(i)

(i) **Exhibit I.** A statement indicating whether the applicant intends to satisfy the Council's land use standard, OAR 345-022-0030, by obtaining local land use approval under ORS 469.504(1)(a) or by seeking a Council determination under ORS 469.504(1)(b).

Response

The Applicant will satisfy the Council's land use standard, OAR 345-022-0030, by seeking a Council determination under ORS 469.504(1)(b). The Applicant seeks a determination by the Council regarding compliance with land use standards from Morrow and Umatilla counties.

EXHIBIT J

Environmental Impacts

OAR 345-020-0011(1)(j)

(j) *Exhibit J. Identification of significant potential environmental impacts of construction and operation of the proposed facility on the study areas, including those impacts affecting air quality, surface and ground water quality and availability, wildlife and wildlife habitat, threatened and endangered plant and animal species, historic, cultural and archaeological resources, scenic and aesthetic areas, recreation, and land use.*

Response

Potential environmental impacts from proposed Facility construction and operation on air quality, surface and groundwater quality and availability (including wetlands and waters of the U.S.), wildlife and wildlife habitat, threatened and endangered plant and animal species, historic, cultural and archaeological resources, scenic and aesthetic areas, recreation, and land use are identified and analyzed in this response. The analyses are based on the study area for each resource, as defined in OAR 345-001-0010(57) and shown in Table J-1.

TABLE J-1
Study Areas for Environmental Impacts

Resource	Study Area	Regulatory Requirement
Air Quality	Proposed Facility Site Boundary	Not applicable
Surface and Groundwater Quality and Availability (includes Wetlands and Waters of the U.S.)	Proposed Facility Site Boundary	Not applicable
Wildlife and Wildlife Habitat	0.5 mile from Proposed Facility Site Boundary	OAR 345-001-0010(57)(c)
Threatened and Endangered Plant and Animal Species	5 miles from Proposed Facility Site Boundary	OAR 345-001-0010(57)(a)
Historic, Cultural and Archaeological Resources	Proposed Facility Site Boundary	Not applicable
Scenic and Aesthetic Areas	10 miles from Proposed Facility Site Boundary	OAR 345-001-0010(57)(b)
Recreation	5 miles from Proposed Facility Site Boundary	OAR 345-001-0010(57)(d)
Land Use	0.5 mile from Proposed Facility Site Boundary	OAR 345-001-0010(57)(c)

Air Quality

Construction-related impacts from the proposed Facility may result from pollutant combustion and fugitive dust emissions. Diesel and gasoline engines in the various vehicles and construction equipment will cause air pollutant emissions, while fugitive dust may be generated from the operation of construction equipment or from vehicle traffic on paved and unpaved roads. The Applicant will implement a series of dust control measures to be outlined in greater detail in the ASC.

The operation of wind turbines will have no negative impact on air quality. During Facility operations, air pollutant sources will be limited to a small amount of fleet vehicles and equipment used by maintenance staff. The emissions and fugitive dust from these vehicles and equipment will be minor and will not exceed state emissions thresholds. Therefore, these emissions are not quantified and do not require a permit from the Oregon Department of Environmental Quality (ODEQ).

Surface and Groundwater Quality and Availability

Surface and Groundwater Quality

During construction and operation, the proposed Facility will not discharge pollutants to surface water or groundwater. Any temporary impacts from construction-related stormwater will be regulated under the conditions of the National Pollutant Discharge Elimination System (NPDES) 1200-C permit and the associated Erosion and Sediment Control Plan (ESCP). Both the NPDES permit and the ESCP will be issued by ODEQ.

During operations, the O&M building will discharge domestic wastewater to a state-permitted onsite septic system with a drain field.

Surface and Groundwater Availability

Construction

During construction, water will be required for road construction, backfill of underground collection lines, dust control, concrete mixing, and other activities. The contractor will arrange for delivery of water to the site via water trucks from a source with an existing water right. Potential sources include the cities of Heppner and Lexington, and participating landowners with adequate existing water rights.

The Applicant will confirm the anticipated amount of water required for construction in the ASC. Additionally, the Applicant will confirm that the identified source is capable of meeting the Facility's water requirements during construction, and a detailed analysis of water use requirements for accessing a private or municipal source will be included. If the water source is not sufficient, an alternative offsite source will be considered, or water will be obtained from a new well permitted under a limited water use license.

Operations

During operations, minimal water will be used. Water will be required primarily at the O&M building for uses similar to a standard commercial office (e.g., toilets, sinks, dishwashers). The Applicant intends to install a new onsite well near the O&M building. The well will be permitted for no more than 5,000 gallons per day.

Wetlands and Waters of the State/United States

A wetland and waters delineation and assessment is currently underway to identify potential impacts from construction of the proposed Facility on jurisdictional wetlands and waters of the State. A portion of the field evaluation was completed in fall 2011 and the remainder is planned for 2012. The delineation and assessment will be performed in accordance with the Oregon Removal-Fill Law and Section 404 of the Clean Water Act (CWA). A desktop analysis of the entire proposed Facility site boundary and an onsite field investigation of the portion of the Facility site boundary containing the turbine strings, collector system, collector substations, O&M building, access roads, and additional construction areas will be included in the wetland delineation report.

National Wetland Inventory data indicate many medium and large wetland complexes widely scattered throughout the proposed Facility area and surrounding vicinity (see Figure G-5). However, few wetlands are located on ridges where wind development will likely occur. The few wetlands that are on ridges appear to be isolated vernal pools and perched wetlands supported by snow melt. National or scenic waterways were not identified within the proposed Facility area.

If Facility development affects jurisdictional waters, the Applicant will consult with the applicable regulatory agencies (U.S. Army Corps of Engineers, Oregon Department of State Lands, ODEQ) to obtain any required permits

before construction. The Applicant will describe possible impacts and mitigation to wetlands or waters of the State and identify any necessary permits in the ASC.

Wildlife and Wildlife Habitat

CH2M HILL conducted a biological reconnaissance survey on behalf of the Applicant in May 2011. The survey focused on areas within the proposed Facility site boundary and the areas to the east and west of the site boundary. The purpose of the survey was to preliminarily identify vegetation communities, wildlife habitat types, wetland types, access routes, and any signs of special-status species or unique habitat features. The proposed Facility lands are characterized by rugged terrain dissected by stream and river valleys. The predominant communities are grassland and sagebrush. In addition, smaller stands of coniferous forest and riparian stands occur on some north-facing slopes and in ravines. The area within the western portion of the proposed Facility site boundary consists of predominantly agricultural lands with grassland and sagebrush occurring in the unfarmed areas. The area within the eastern portion of the site boundary is characterized by dryland farming to the north and rugged mountainous terrain to the south; this area is vegetated primarily by grasslands with small stands of sagebrush and riparian vegetation in the ravines and valley bottoms.

The proposed Facility lands support mule deer and elk herds. The Oregon Department of Fish and Wildlife (ODFW) has designated winter ranges for both species within the site boundary. Habitat for small mammal and reptile species in the area supports a prey base for raptors and predatory mammals (for example: coyote, fox, and mountain lion). Suitable onsite habitat could support a high diversity of grassland and riparian passerine species, whereas open water is limited and only present at a few livestock watering ponds. The Facility site boundary and surrounding area are nearly entirely agricultural and provide forage for many big game, bird, and small mammal species that are adapted to agricultural habitats.

The Applicant contracted with CH2M HILL and Northwest Wildlife Consultants, Inc. (NWC) to conduct the following assessments and surveys for the Facility (NWC, 2011a):

- Wildlife habitat and ODFW designated deer/elk winter range mapping and analysis: started in spring 2011 and will continue through winter 2012/2013
- Habitat mapping and categorization: started in spring 2011 and will continue through summer 2012
- Rare plant surveys: to be conducted during the spring season prior to construction
- Fixed-point avian use surveys: started in spring 2011 and will continue through April 2012
- Aerial raptor nest survey: spring 2011, follow-up spring 2012
- Golden and bald eagle records and database review: early 2011
- Specific golden and bald eagle field investigations (nest surveys, observations): spring 2011
- Special-status species wildlife surveys, including Washington ground squirrel habitat assessment and potential focused surveys: to be conducted during the spring season prior to construction
- Bat information review: 2011
- Habitat-based bat species inventory, bat acoustic surveys: summer and fall 2011

Information obtained during the above-mentioned surveys will be used to characterize potential impacts to habitat and wildlife that could result from construction and operation of the proposed Facility, and to identify Facility alterations and mitigation measures. The ASC will include a site-specific habitat analysis.

Sensitive, Threatened, and Endangered Plant and Animal Species

Methods

The Applicant contracted CH2M HILL to conduct a search of the U.S. Fish and Wildlife Service (USFWS) lists of endangered, threatened, proposed, and candidate species, and species of concern in Morrow and Umatilla counties. The purpose of the search was to determine the listed and other special-status species that have been documented in the Facility area and within 5 miles of the Facility site boundary. CH2M HILL accessed USFWS electronic species lists for both counties in June 2011 (Attachment J-1 and J-2; USFWS, 2011a and 2011b). In addition to the USFWS review, NWC conducted a review of golden and bald eagle nest records within the area (NWC, 2011b).

In spring 2011, CH2M HILL requested from the Oregon Information Center (ORBIC) database records of documented occurrences of rare, threatened, and endangered plant and wildlife species within 5 miles of the Facility site boundary. ORBIC provided the digital data to CH2M HILL in June 2011. The records are confidential and not to be distributed. The Applicant will provide the records to ODFW and ODOE upon request, with the permission of ORBIC.

Results

The USFWS Morrow and Umatilla county species lists were reviewed for species with potential for occurrence in the area and to aid in compiling target lists for surveys (Attachments J-1 and J-2). Status definitions and federal status are provided in these appendix lists.

The ORBIC database search yielded a total of 13 species. Occurrence records were located within 5 miles of the Facility site boundary—one plant, two mammal, five bird, two reptile and amphibian, and three fish species (ORBIC, 2011). A summary of the ORBIC species records is as follows:

- Plant records provided by ORBIC consisted of state threatened Laurence's milk-vetch (*Astragalus collinus* var. *laurentii*) (12 records).
- Mammal records provided by ORBIC consisted of state endangered Washington ground squirrel (*Spermophilus washingtoni*) (25 records), and state sensitive-vulnerable white-tailed jackrabbit (*Lepus townsendii*) (one record).
- Avian records provided by ORBIC consisted of state sensitive-vulnerable Swainson's hawk (*Buteo swainsoni*) (two records); state sensitive-critical Ferruginous hawk (*Buteo regalis*) (two records), state sensitive-vulnerable grasshopper sparrow (*Ammodramus savannarum*) (one record), state sensitive-critical Western burrowing owl (*Athene cunicularia hypugaea*) (one record) and long-billed curlew (*Numenius americanus*) (two records).
- Other ORBIC records included state sensitive-vulnerable Rocky Mountain tailed frog (*Ascaphus montanus*) (one record) and state sensitive-critical painted turtle (*Chrysemys picta*) (one record).
- Fish records provided by ORBIC consisted of state sensitive-vulnerable steelhead (*Oncorhynchus mykiss*, pop. 28), federal species of concern margined sculpin (*Cottus marginatus*), and state sensitive-vulnerable Inland Columbia Basin redband trout (*Oncorhynchus mykiss gairdneri*).

The Applicant will provide an analysis of potential impacts to these species in Exhibits P and Q of the ASC.

Historic, Cultural, and Archaeological Resources

The Facility may be located within the ceded lands of the Confederated Tribes of the Umatilla Indian Reservation (CTUIR). A meeting between the CTUIR and the Applicant's team took place to introduce the project and establish

communication, and a representative of the CTUIR participated in preliminary cultural resources field investigations in November 2011.

The Applicant will complete the cultural resources field inventory and provide the results with the ASC. This inventory will evaluate the presence or absence of historic properties and other cultural resources that may not meet the threshold of significance necessary to qualify them as historic properties. The study area for this field inventory will consist of corridors centered on the alignments of proposed wind turbines, collector lines, the final selected alignment of the 230-kV transmission line, access roads, O&M building, Facility collector substations, and additional construction areas (see Figure G-4). The width of the study corridor will provide reasonable opportunity for movement of Facility components.

The study methodology will follow applicable Oregon State Historic Preservation Office (SHPO) regulations and will be consistent with U.S. Secretary of Interior standards for cultural resource survey and documentation under Section 106 of the National Historic Preservation Act (Public Law 89-665).

Archaeological or historic sites discovered during the field investigation will be officially recorded and filed with the SHPO. In the event that an archaeological or historic site is identified, the Applicant will undertake the appropriate avoidance or mitigation actions to avoid significant impacts.

Scenic and Aesthetic Areas

The Applicant will perform a visual impact assessment of the potential effects of the Facility on areas identified and managed as scenic resources or for specific scenic qualities. The study areas for the visual impact assessment are 10 miles for Scenic and Aesthetic Resources (ASC Exhibit R) and 20 miles for Protected Areas (ASC Exhibit L), in accordance with OAR 345-001-0010(57).

A preliminary review of publicly available maps and aerial imagery indicated that no scenic and aesthetic or protected areas are located within the Facility site boundary (see Figure G-4). The larger study area encompasses such scenic, aesthetic, and protected areas as the Cold Springs National Wildlife Refuge, Umatilla National Wildlife Refuge (Washington), McKay Creek National Wildlife Refuge, Anson Wright Memorial Park, Battle Mountain State Park, and the Ukiah-Dale Forest State Park (see Figure G-4). In addition, the Facility site boundary is visible from the Blue Mountain Scenic Byway, a scenic byway that runs along Highway 74. This 145-mile scenic byway starts at Heppner Junction on I-84, between Arlington and Hermiston, and extends southeast through Heppner to the town of Granite. A second scenic byway, Elkhorn Scenic Byway, picks up at the end of the Blue Mountain Scenic Byway and extends south and north.

Potential impacts to these areas will likely be negligible because the Facility will be screened by vegetation and topography, and will be viewed from these areas over long distances. The visual assessment included in the ASC will include proposed mitigation measures for any significant potential impacts identified.

Recreation

The study area for recreational resources consists of a 5-mile buffer around the Facility site boundary, in accordance with OAR 345-001-0010(57). Exhibit T of the ASC will include analysis of the potential impacts.

In general, recreational activities in the study area consist of hiking, fishing, boating, camping, bicycling, photography, game and bird hunting, and sightseeing. These activities also occur in numerous locations outside the study area, and therefore provide recreational opportunities that are common and "replaceable" (as cited in OAR 345-022-0100).

Specific recreational opportunities identified within the study area primarily relate to hunting and the Blue Mountain Scenic Byway. A large portion of the Facility area is designated as "Welcome to Hunt," with numerous hunting and birding clubs in the vicinity of the Facility site boundary (for example, Rolling Hills Bird Hunting).

Additionally, two defined recreational areas are present within the 5-mile study area: the Willow Creek Country Club, an 18-hole golf course in Heppner, and Hager Park in Heppner. The Willow Creek reservoir also is located within 5 miles of the site boundary. This reservoir provides boating and fishing recreational opportunities.

Land Use

The study area for land use consists of a 0.5-mile buffer around the Facility boundary, in accordance with OAR 345-001-0010(57). The Facility is proposed on land zoned for agricultural use. Some conversion of agricultural land will occur, and these impacts will be fully evaluated in the ASC.

References

- CH2M HILL. 2011. *Heppner Wind Energy Project Critical Issues Analysis*. Prepared for Invenergy. May.
- Northwest Wildlife Consultants, Inc. (NWC). 2011a. *Ecological Baseline Study Plan for the Heppner Wind Power Project, Morrow County, OR*. March 11.
- Northwest Wildlife Consultants, Inc. (NWC). 2011b. *Heppner Wind Power Project Wildlife Database and Information Review, Morrow County, OR*. February 8.
- Oregon Biodiversity Information Center (ORBIC). 2011. Results of Database Search for Records Received June 21, 2011.
- U.S. Fish and Wildlife Service (USFWS). 2011a. *Federally listed, proposed, candidate species, and species of concern under the jurisdiction of the fish and wildlife service which may occur within Morrow County, Oregon*. Last updated June 25, 2011. Available online at:
<http://www.fws.gov/oregonfwo/Species/Lists/Documents/County/MORROW%20COUNTY.pdf>.
- U.S. Fish and Wildlife Service (USFWS). 2011b. *Federally listed, proposed, candidate species, and species of concern under the jurisdiction of the fish and wildlife service which may occur within Umatilla County, Oregon*. Last updated June 25, 2011. Available online at:
<http://www.fws.gov/oregonfwo/Species/Lists/Documents/County/UMATILLA%20COUNTY.pdf>.

Community Service Impacts

OAR 345-020-0011(1)(k)

(k) *Exhibit K. Information about significant potential adverse impacts of construction and operation of the proposed facility on the ability of communities in the study area to provide the services listed in OAR 345-022-0110.*

Response

Potential impacts on the resources listed in OAR 345-022-0110 resulting from construction and operation of the proposed Facility are summarized in this response. Pursuant to OAR 345-001-0010(57)(b), the Applicant used a 10-mile study area to analyze possible impacts to the following public services:

- Sewers and Sewage Treatment
- Water
- Stormwater drainage
- Solid waste management
- Housing
- Traffic safety
- Police and fire protection
- Health care
- Schools

Sewers and Sewage Treatment

During construction, sanitary waste will be collected onsite in portable toilets. During operations, the O&M building will discharge domestic wastewater to a licensed onsite septic system. The Applicant does not anticipate requiring connection to sewers or sewage treatment facilities. Therefore, significant adverse impacts to community sewer systems are not anticipated.

Water

Water will be required during Facility construction for road construction, underground collection line installation, dust control, and other activities. During construction, the contractor will arrange for delivery of water to the site via water trucks from a source with an existing water right. Potential sources include the cities of Heppner and Lexington, and participating landowners with adequate existing water rights.

Approximately 37 million gallons of water will be needed for construction. Up to 100,000 gallons per day will be used over an approximate 14-month construction period. Daily water use will vary depending on the timing of construction and the weather (e.g., water use for dust control will increase in dry, windy summer conditions). During operations, water is anticipated to be obtained from a new onsite well permitted under a limited water use license and water use will be minimal (not to exceed 5,000 gallons per day).

The Applicant will confirm the anticipated amount of water required for construction and operations in the ASC. Additionally, the Applicant will confirm that the identified source is capable of meeting the Facility's water requirements during construction, and a detailed analysis of water use requirements for accessing a private or municipal source will be included. If the water source is not sufficient, an alternative offsite source will be

considered, or water will be obtained from a new onsite well to be permitted under a limited water use license and used during operations.

Stormwater Drainage

Larger communities in the vicinity of the proposed Facility, including the cities of Heppner and Lexington, provide stormwater drainage services in urban areas. Currently, no community in the area provides stormwater drainage service to the Facility site, with the exception of minimal stormwater drainage facilities associated with public roads maintained by Morrow and Umatilla counties. Construction of the proposed project will affect a small to negligible fraction of the overall project site acreage. Therefore, it is unlikely that construction of the proposed project will create new impervious areas that would generate additional stormwater runoff. Additionally, most of the project site is vegetated, which will serve as a buffer to promote infiltration and minimize erosion.

The Facility will be constructed and operated with its own stormwater management systems. These systems will be consistent with a NPDES 1200-C permit issued by ODEQ as well as an ODEQ-approved Erosion and Sediment Control Plan.

Solid Waste Management

The communities in the study area provide solid waste management services to their respective incorporated areas. Both Morrow and Umatilla counties provide solid waste disposal and recycling services through franchise agreements with various private providers (Morrow County, 2006; Umatilla County, 2005). Solid waste disposal for the Facility during construction and operations will be provided through a private contract with a local commercial hauler (or haulers) and is not anticipated to disrupt services already being provided in these communities. The public landfill closest to the Facility site boundary is the Finley Buttes Landfill located in the City of Boardman, Oregon (Morrow County, 2006).

Housing

Construction

During construction, an average of approximately 150 employees will be present at the site, with an estimated maximum 300 employees onsite at one time while multiple disciplines of contractors complete their work simultaneously during periods of highest activity. While many construction workers will be hired locally, some construction workers are expected to come from outside of the study area and will require temporary housing. Construction workers hired from areas outside a commutable distance will likely stay in local motels, trailer parks, or other rental units during their stay. The increased demand created by construction workers could potentially impact temporary housing in the vicinity of the Facility if an adequate supply is unavailable.

Construction workers will include a combination of locally hired workers from surrounding areas (e.g., Gilliam, Benton [Washington], Jefferson, Klickitat [Washington], Sherman, Wasco, and Wheeler counties) for road and turbine pad construction, and workers for specialized construction (e.g., substation and electrical transmission construction, turbine erection, turbine testing). The Applicant anticipates that 25 to 50 percent of construction workers will be hired locally and the remainder will be employed from outside the region. The percentage of the construction workforce that is hired locally may be higher and will depend on the availability of workers with appropriate skills. Additional workers may commute daily from communities outside the Facility study area (e.g., Lexington, Lone, Hermiston, Pendleton, and Umatilla, Oregon, and several communities in Klickitat and Benton counties, Washington), which would lessen impacts to housing associated with the in-migration of outside workers.

Typical housing options for temporary workers include motels, hotels, apartments, short-term rental homes, and campgrounds or other areas where workers can park trailers or other mobile housing. Availability of temporary housing is best in larger communities within a commutable distance of the construction site where hotels, motels, and trailer parking are available. Communities that could potentially house temporary workers include Lexington,

lone, Heppner, Hermiston, and Pendleton, Oregon, and Kennewick, Washington. Workers from outside the area would benefit from the community and local businesses by renting rooms, eating at local restaurants, and purchasing goods and services.

Operations

An estimated 10 to 15 operational personnel will be employed at the site. Most of the O&M staff will be hired locally, with the exception of those positions (e.g., supervisors) that require previous experience at other wind generation facilities. Some specialized outside contractors also may be required for the repair of nacelles or meteorological equipment. The assumption is that operations will continue for at least 20 years. No significant adverse impacts are anticipated as a result of housing operational personnel.

Traffic Safety

Primary transportation corridors are assumed to carry the majority of construction-related heavy-duty and light-duty delivery vehicles, as well as some workforce traffic. The primary corridors are I-84, and OR 74. Oregon Department of Transportation (ODOT) maintains average daily trip counts (ADTs) for all state highways. Data from 2009 ADTs indicate that typically 200 to 300 vehicles travel rural portions of OR 74 every day and approximately 1,200 vehicles use this road as it passes through the City of Heppner. During construction, a large number of trucks may be accessing the site on these transportation corridors. Heavy-duty trucks will carry turbine components as well as gravel and other materials required to improve or construct access roads from existing roadways. Any improvements to County or State roads will be restricted to areas within the County and State rights-of-way and subject to approval by the applicable agency.

Heavy-duty trucks will provide concrete for the turbine pads and footings. Lighter-duty trucks will also deliver water, electrical equipment, and other materials. Construction-related vehicles would most likely not cause traffic delays in the rural portion of this highway, but could add congestion within the city of Heppner.

During operations, traffic impacts from the Facility are not anticipated. The Applicant intends to hire O&M personnel locally, where feasible. Employees will travel to work in their personal vehicles. Specialized personnel responsible for inspections of the turbine strings may be hired from outside the area and may travel in light-duty trucks. Delivery trucks may also access the site during operations on an infrequent basis. A detailed analysis of traffic generation resulting from both construction and operation of the Facility will be included in the ASC.

Police and Fire Protection

Police service primarily is provided by county police departments in the Facility area. As necessary, the Applicant will seek assistance from the Morrow County Sheriff's Office, located in Heppner, Oregon. Additional law enforcement service is available through the Oregon State Police, with offices in Heppner, Hermiston, and Pendleton (OSP, 2011). The small number of new temporary and permanent residents is not anticipated to place significant new demands on law enforcement agencies in the area.

The Applicant will work with the Lexington Volunteer Fire Department and the Lone Rural Fire Protection District to determine which entity will provide fire protection within the Facility site boundary. The Applicant will provide construction plans and phasing information to both entities, and identify the location of Facility structures and their points of access.

Turbines will contain a number of safety features designed to provide increased fire protection—for example, fully independent braking systems and emergency shutoff devices. The site will be equipped with fire protection equipment in accordance with the Oregon Fire Code. Given the inherent fire safety features of Facility components and the relatively small number of new temporary and permanent residents, significant new demands on fire protection forces are not anticipated.

Health Care

The nearest hospital to the southern portion of the Facility site boundary is Pioneer Memorial Hospital located in Heppner, Oregon. The nearest hospital to the northern portion of the Facility site boundary is the Good Shepherd Medical Center, located in Hermiston, Oregon. Ambulance service in the area is provided by the Morrow County Health District's Emergency Medical Services, which operates six ambulances located at four separate dispatch sites (Morrow County, 2011). Two vehicles are located in Heppner, two in Boardman, and one each in Irrigon and Lexington. The community of Lone has a First Response Vehicle that is used to stabilize patients until an ambulance crew arrives for transport. Additionally, the City of Pendleton provides ambulance services throughout the northern portion of the Facility site boundary.

The small number of new temporary and permanent residents is not expected to place significant new demands on routine health care services. However, impacts on health care could occur if Facility construction activities were to result in an increase in the use of emergency health care services exceeding the capacity of local providers. Impacts on local health care services during both construction and operation will be minimized by careful management of site health and safety risks.

Schools

The Facility site boundary encompasses two school districts: Morrow County School District No. 1 and Echo School District No. 5 in Umatilla County. Five schools are located within the 10-mile public service study area. The nearest school to the Facility site boundary is the Echo School, which is located approximately 4 miles northeast of the northern Facility site boundary. Additionally, Stanfield Elementary and Secondary School is located approximately 8 miles northeast of the northern Facility boundary in the Town of Stanfield. Heppner Elementary School, Heppner Junior/Senior High School, and Heppner High School are all located approximately 6 miles southwest of the Facility site boundary.

No significant adverse impacts to schools are anticipated during construction and operation of the Facility. Construction will be temporary and short-term, and much of the peak work period (March through October) will occur during the summer months when school is not in session. Consequently, new students are not expected to relocate to the area as a result of construction.

During Facility operations, a negligible increase in school enrollment may occur from the small increase in local population resulting from new, permanent Facility employees. Impacts on school services will depend on the housing choices of new residents with children, which is unknown. Given the number of schools in the study area, the dispersed area in which new residents are likely to settle, and the small number of new school children expected, it is unlikely that any one school will receive more new students than it can accommodate.

References

- Morrow County, Oregon. 2006. *Morrow County Solid Waste Management Ordinance*. Available online at: <http://www.morrowcountyoregon.com/planning/planningdocuments.html>. Accessed June 30, 2011.
- Morrow County, Oregon. 2011. *Morrow County Health District: Emergency Medical Services*. Available online at: <http://www.morrowcountyhealthdistrict.org/EMS.html>. Accessed June 30, 2011.
- Oregon State Police (OSP). 2011. *Contact Us: Regional Offices*. Available online at: <http://www.oregon.gov/OSP/offices.shtml>. Accessed June 30, 2011.
- Umatilla County, Oregon. 2005. *Umatilla County Solid Waste Management Plan*. Available online at: www.co.umatilla.or.us/deptwebs/codes/50.pdf. Accessed June 30, 2011.

Water Sources and Use

OAR 345-020-0011(1)(L)

(L) *Exhibit L. Information about anticipated water use during construction and operation of the proposed facility, including:*

- (A) *A description of each source of water and the applicant's estimate of the amount of water the facility will need from each source;*

Response

Construction

Water will be required during Facility construction for road construction, underground collection line installation, dust control, and other activities. During construction, the contractor will arrange for delivery of water to the site via water trucks from a source with an existing water right. Potential sources include the cities of Heppner and Lexington, and participating landowners with adequate existing water rights. Alternatively, water will be obtained from a new, onsite well permitted under a limited water use license.

Approximately 37 million gallons of water will be needed for construction. Daily water use will vary depending on the timing of construction and the weather (e.g., water use for dust control will increase in dry, windy summer conditions).

The Applicant will confirm the anticipated amount of water required for construction in the ASC. Additionally, the Applicant will confirm that the identified source is capable of meeting the Facility's water requirements during construction, and a detailed analysis of water use requirements for accessing a private or municipal source will be included. If the water source is not sufficient, an alternative offsite source will be considered, or water will be obtained from a new well permitted under a limited water use license.

Operations

During Facility operations, minimal water will be used. Water will be required primarily at the O&M building for uses similar to a standard commercial office (e.g., toilets, sinks, dishwashers). The Applicant intends to install a new onsite well near the O&M building. The well will provide no more than 5,000 gallons per day.

- (B) *If a new water right is required, the approximate location of the points of diversion and the estimated quantity of water to be taken at each point;*

Response

The Applicant does not anticipate needing new water rights for the proposed Facility. Therefore, this rule is not applicable.

- (C) *For operation, the source of cooling water and the estimated consumptive use of cooling water, based on annual average conditions.*

Response

The proposed Facility does not require cooling water. Therefore, this rule is not applicable.

EXHIBIT M

Carbon Dioxide Emissions

OAR 345-020-0011(1)(m)

(m) Exhibit M. If the proposed facility would emit carbon dioxide, an estimate of the gross rate of carbon dioxide emissions, a table listing all the factors that form the basis for calculating the estimate, and a statement of the means by which the applicant intends to comply with the applicable carbon dioxide emissions standard under OAR 345-024-560, OAR 345-024-600, or OAR 345-024-630.

Response

The proposed Facility will not emit carbon dioxide. Therefore, this Exhibit is not applicable.

EXHIBIT N

Evaluation of Statutes, Rules, and Ordinances

OAR 345-020-0011(1)(n)

(n) *Exhibit N. Identification, by legal citation, of all state statutes and administrative rules and local government ordinances containing standards or criteria that the proposed facility must meet for the Council to issue a site certificate, other than statutes, rules and ordinances identified in Exhibit E, and identification of the agencies administering those statutes, administrative rules and ordinances. The applicant shall analyze and describe any problems the applicant foresees in satisfying the requirements of any such statute, rule or ordinance.*

Response

Table N-1 identifies state statutes, administrative rules, and local government ordinances not identified in Exhibit E. The statutes, rules, and ordinances identified in Table N-1 specify the standards or criteria that the proposed Facility must meet for the Council to issue a site certificate. The Applicant does not anticipate difficulty in meeting specific requirements.

TABLE N-1
Statutes, Rules, and Ordinances Containing Relevant Standards or Criteria

Department	Legal Citation	Agency Address
Oregon Department of Agriculture	Plant Conservation Biology Program— ORS 564; OAR Chapter 603, Division 73	Oregon Department of Agriculture 635 Capitol Street, N.E. Salem, OR 97301-2532 (503) 986-4550
Oregon Parks and Recreation Department—Archaeological	Native American Graves and Protected Objects—ORS 97.740-97.760 Archaeological Objects and Sites—ORS 358.90-358.955 Permit and Conditions for Excavation or Removal of Archaeological or Historical Materials on Public Lands (ORS 390.235 and OAR 736-051-0080) Permit and Conditions for Excavation or Removal of Archaeological or Historical Materials on Private Lands (OAR 736-051- 0090)	State Historic Preservation Office 725 Summer St. NE, Suite C Salem, OR 97301 (503) 986-0671
Oregon Department of Environmental Quality—Water Quality	ORS 468 and 468B; OAR Chapter 340, Divisions 14, 41, 45, 52, and 55	Oregon Department of Environmental Quality 475 NE Bellevue Dr., Suite 110 Bend, OR 97701 (541) 388-6146
Oregon Department of Environmental Quality—Noise	ORS 467; OAR Chapter 340, Division 35	Oregon Department of Environmental Quality 811 SW Sixth Avenue Portland, OR 97204-1390 (503) 229-5696
Oregon Department of Environmental Quality—Hazardous Waste Management	ORS 465 and 466; OAR Chapter 340, Divisions 100-113	Oregon Department of Environmental Quality 811 SW Sixth Avenue Portland, OR 97204-1390 (503) 229-5696
Oregon Department of Environmental Quality—Solid Waste	ORS 459; OAR Chapter 340, Division 93	Oregon Department of Environmental Quality 811 SW Sixth Avenue Portland, OR 97204-1390

TABLE N-1
Statutes, Rules, and Ordinances Containing Relevant Standards or Criteria

Department	Legal Citation	Agency Address
		(503) 229-5696
Oregon Department of Fish and Wildlife— Habitat Conservation Division	ORS 496 and 506; OAR Chapter 635, Divisions 100 and 415	Oregon Department of Fish and Wildlife 3406 Cherry Avenue N.E. Salem, OR 97303-4924 (503) 947-6000
Oregon Biodiversity Information Center (formerly the Oregon Natural Heritage Information Center)	ORS 564.105; OAR 603-73-070 and 345- 022-0070	Oregon Biodiversity Information Center Oregon State University Institute for Natural Resources University Center Building, Suite 335 527 SW Hall Street Portland, OR 97201
Oregon Department of Geology and Mineral Industries	OAR Chapter 632	Oregon Department of Geology and Mineral Industries 800 NE Oregon Street, Suite 965 Portland, OR 97232 (971) 673-1555
Oregon Office of State Fire Marshal— EPCRA	ORS 453; OAR Chapter 837, Divisions 85 and 95	Oregon Office of State Fire Marshal 4760 Portland Rd NE Salem, OR 97305-1760 (503) 378-3473
Morrow County Planning Department— Land Use²	Morrow County Zoning Ordinance Articles 1-10	Morrow County Attn: Carla McLane, Planning Director 205 NE Third Street Irrigon, OR 97844 (541) 922-4624
Umatilla County Department of Land Use Planning¹	Umatilla County Development Code Chapters 151-153	Umatilla County Attn: Tamra Mabbott, Planning Director 216 SE Fourth Street Pendleton, OR 97801 (541) 278-6252

² As stated in Exhibit I: The Applicant intends to satisfy the Energy Facility Siting Council's land use standard, OAR 345-022-0030, by seeking a Council determination under ORS 469.504(1)(b). The Applicant seeks a determination by the Council of compliance with land use standards from Morrow and Umatilla counties.

EXHIBIT O

Schedule for Application for Site Certificate

OAR 345-020-0011(1)(o)

(o) *Exhibit O. A schedule stating when the applicant expects to submit an application for a site certificate.*

Response

The Applicant expects to submit the Notice of Intent and Application for Site Certificate according to the schedule shown in Table O-1.

TABLE O-1

Proposed Schedule for Submittal of Application for Site Certificate

Activity	Anticipated Submittal Date
Applicant submits Notice of Intent (NOI) to Energy Facility Siting Council (EFSC)	April 27, 2012
EFSC reviews NOI, distributes public notice, conducts public information meeting, facilitates comment period, and issues Project Order	April 30, 2012 – August 31, 2012
Applicant submits preliminary Application for Site Certificate to EFSC	March 2013

EXHIBIT P

Evidence of Consultation with State Commission on Indian Services

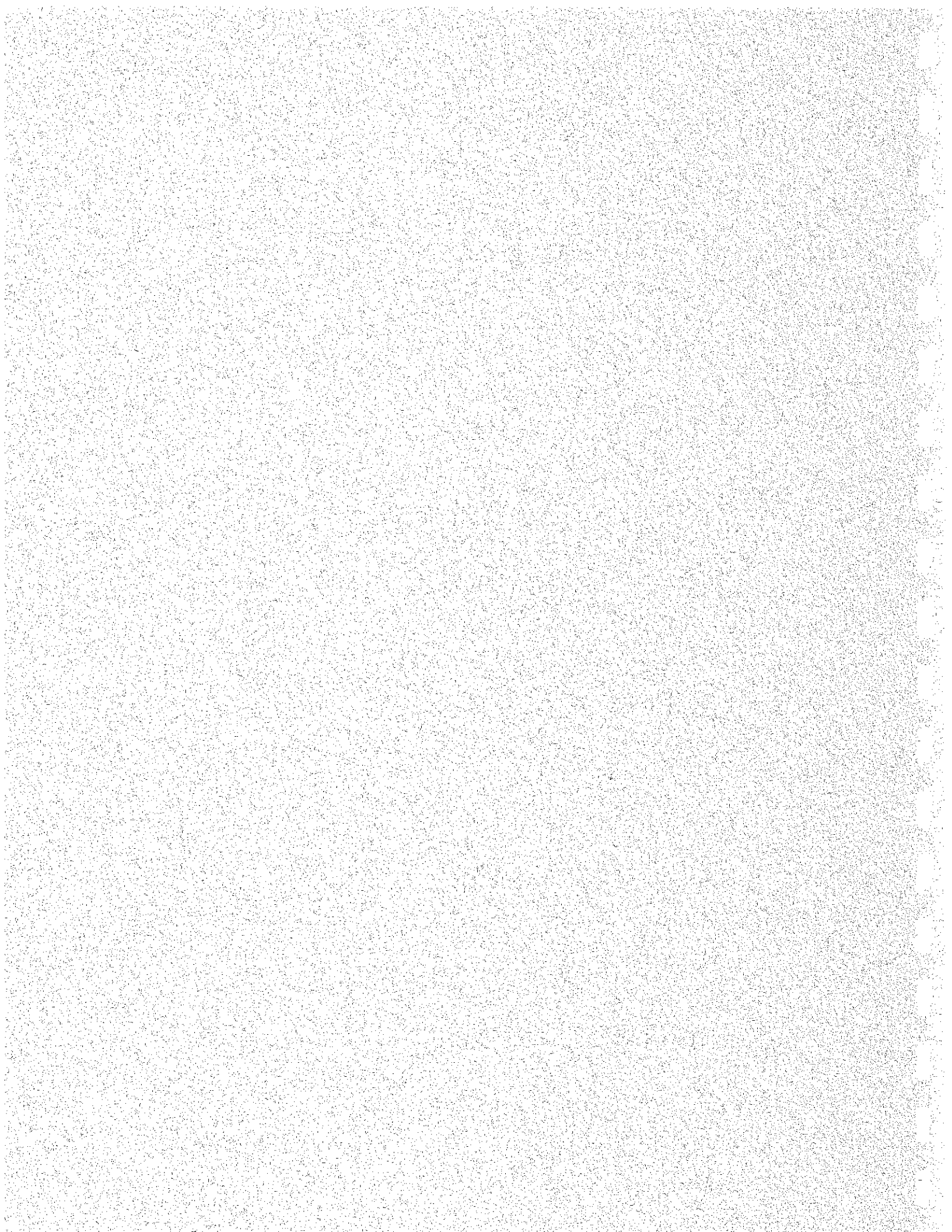
OAR 345-020-0011(1)(p)

(p) *Exhibit P. Evidence of consultation with the State Commission on Indian Services to identify each appropriate tribe to consult with regarding the proposed facility's possible effects on Indian historic and cultural resources.*

Response

Evidence of consultation with the State Commission on Indian Services is provided in Attachment P.

ATTACHMENT A
Articles of Incorporation and
Authorization





Secretary of State
Corporation Division
255 Capitol Street NE, Suite 151
Salem, OR 97310-1327

Phone: (503) 986-2200
www.filinginoregon.com

Registry Number: 795371-98
Type: FOREIGN LIMITED LIABILITY COMPANY

Next Renewal Date: 08/24/2012

HEPPNER WIND ENERGY LLC
ONE S WACKER DR STE 1900
CHICAGO IL 60606

Acknowledgment Letter

The document you submitted was recorded as shown below. Please review and verify the information listed for accuracy.

Document

APPLICATION FOR AUTHORITY

Filed On

08/24/2011

Jurisdiction

DELAWARE

Name

HEPPNER WIND ENERGY LLC

Principal Place of Business

ONE S WACKER DR STE 1900
CHICAGO IL 60606

Registered Agent

NATIONAL CORPORATE RESEARCH, LTD.
325 13TH ST NE STE 501
SALEM OR 97301

Mailing Address

ONE S WACKER DR STE 1900
CHICAGO IL 60606



Application for Authority to Transact Business - Foreign Limited Liability Company

Secretary of State - Corporation Division - 255 Capitol St. NE, Suite 151 - Salem, OR 97310-1327 - http://www.FilingInOregon.com - Phone: (503) 986-2200

FILED

AUG 24 2011

REGISTRY NUMBER:

795371-98

For office use only

OREGON SECRETARY OF STATE

In accordance with Oregon Revised Statute 192.410-192.490, the information on this application is public record. We must release this information to all parties upon request and it will be posted on our website.

For office use only

Please Type or Print Legibly in Black Ink. Attach Additional Sheet if Necessary.

1) NAME: Hoppner Wind Energy LLC
NOTE: (Must contain the words "Limited Liability Company" or the abbreviations "LLC" or "L.L.C.") Must be identical to the name on the Certificate of Existence. See #9.

2) STATE OR COUNTRY OF ORGANIZATION: DE
Date of Organization: 8/12/2011
7) REGISTERED AGENT'S PUBLICLY AVAILABLE ADDRESS: (Must be an Oregon Street Address, which is identical to the registered agent's business office.)
325 13th Street NE, Suite 501

3) CERTIFICATE OF EXISTENCE:
[X] A certificate of existence, current within 60 days of delivery to this Division, authenticated by the official having custody of the organization, is attached.
Saalem OR 97301

4) DURATION: (Please check one.)
[] Latest date upon which the entity is to dissolve is
Or
[X] Duration shall be perpetual.
8) ADDRESS OF PRINCIPAL OFFICE OF THE BUSINESS:
One S Wacker Drive Suite 1900 Chicago, IL 60606

5) THIS FOREIGN LIMITED LIABILITY COMPANY SATISFIES THE REQUIREMENTS OF ORS 63.714(3).
6) NAME OF OREGON REGISTERED AGENT: National Corporate Research Ltd.
9) ADDRESS WHERE THE DIVISION MAY MAIL NOTICES:
One S Wacker Drive Suite 1900 Chicago, IL 60606

10) HOW WILL THIS LIMITED LIABILITY COMPANY BE MANAGED?
[] This LLC will be member-managed by one or more members.
[X] This LLC will be manager-managed by one or more managers.

11) EXECUTION: (At least one member or manager must sign.)
By my signature, I declare as an authorized authority, that this filing has been examined by me and is, to the best of my knowledge and belief, true, correct, and complete. Making false statements in this document is against the law and may be penalized by fines, imprisonment or both.
Signature: [Handwritten Signature] Printed Name: Judy Nommensen Title: Paralegal

CONTACT NAME: (To resolve questions with this filing.)
Judy Nommensen
PHONE NUMBER: (include area code.)
312-582-1549

Table with 1 column: FEES. Rows include: Required Processing Fee \$275, Confirmation Copy (Optional) \$5, Processing Fees are nonrefundable. Please make check payable to 'Corporation Division.'

Delaware

PAGE 1

The First State

I, JEFFREY W. BULLOCK, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY "HEPPNER WIND ENERGY LLC" IS DULY FORMED UNDER THE LAWS OF THE STATE OF DELAWARE AND IS IN GOOD STANDING AND HAS A LEGAL EXISTENCE SO FAR AS THE RECORDS OF THIS OFFICE SHOW, AS OF THE TWENTY-FOURTH DAY OF AUGUST, A.D. 2011.

AND I DO HEREBY FURTHER CERTIFY THAT THE SAID "HEPPNER WIND ENERGY LLC" WAS FORMED ON THE TWELFTH DAY OF AUGUST, A.D. 2011.

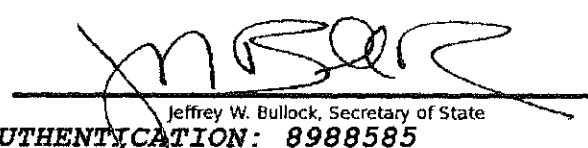
AND I DO HEREBY FURTHER CERTIFY THAT THE ANNUAL TAXES HAVE NOT BEEN ASSESSED TO DATE.

5024073 8300

110947832

You may verify this certificate online
at corp.delaware.gov/authver.shtml




Jeffrey W. Bullock, Secretary of State
AUTHENTICATION: 8988585

DATE: 08-24-11

Delaware

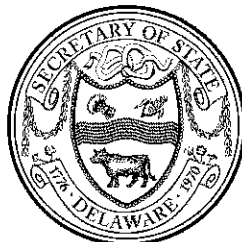
PAGE 1

The First State

I, JEFFREY W. BULLOCK, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY THE ATTACHED IS A TRUE AND CORRECT COPY OF THE CERTIFICATE OF FORMATION OF "HEPPNER WIND ENERGY LLC", FILED IN THIS OFFICE ON THE TWELFTH DAY OF AUGUST, A.D. 2011, AT 12:50 O'CLOCK P.M.

5024073 8100

110915849




Jeffrey W. Bullock, Secretary of State
AUTHENTICATION: 8966537

DATE: 08-12-11

STATE of DELAWARE
LIMITED LIABILITY COMPANY
CERTIFICATE of FORMATION

First: The name of the limited liability company is

Heppner Wind Energy LLC

Second: The address of its registered office in the State of Delaware is

615 S. DuPont Highway in the City of Dover

Zip code 19901. The name of its Registered agent at such address is

National Corporate Research, Ltd.

Third: (Use this paragraph only if the company is to have a specific effective date of dissolution: "The latest date on which the limited liability company is to dissolve is Perpetual .")

Fourth: (Insert any other matters the members determine to include herein.)

In Witness Whereof, the undersigned have executed this Certificate of Formation this

12 day of August, 2011.

By: /s/ Judy Nommensen
Authorized Person (s)

Name: Judy Nommensen

**WRITTEN CONSENT OF THE
SOLE MEMBER AND MANAGER
OF
HEPPNER WIND ENERGY LLC**

The undersigned, being the Manager of Heppner Wind Energy LLC, a Delaware limited liability company (the "Company"), acting pursuant to the Company's Operating Agreement, hereby gives its express written consent to the following resolutions:

RESOLVED: That Manager of the Company hereby approves and authorizes Michael Baird, in his capacity as Vice President of the Company, to execute, deliver and perform upon the Notice of Intent and Application for Site Certificate to the State of Oregon Energy Facilities Siting Council.

FURTHER RESOLVED: That all acts and deeds heretofore done or actions taken by the Manager or any officer or agent of the Company for and on behalf of the Company, including any act or deed in entering into, executing, acknowledging or attesting any arrangements, agreements, instruments or documents which carry out the terms and intentions of any of the foregoing resolutions are hereby in all respects ratified, approved and confirmed.

Dated: August 31, 2011

INVENERGY WIND NORTH
AMERICA LLC, its Manager

By: _____

James Shield, Vice President

OPERATING AGREEMENT

OF

HEPPNER WIND ENERGY LLC

a Delaware limited liability company

**OPERATING AGREEMENT OF
HEPPNER WIND ENERGY LLC
A DELAWARE LIMITED LIABILITY COMPANY**

THIS OPERATING AGREEMENT is made as of the 12th day of August, 2011 (the “**Effective Date**”) by Invenergy Wind North America LLC, a Delaware limited liability company (“**Member**” and “**Manager**”), and Heppner Wind Energy LLC, a Delaware limited liability company (the “**Company**”).

**ARTICLE 1
DEFINITIONS**

The following terms used in this Operating Agreement shall have the meanings set forth below (unless otherwise expressly provided herein):

(a) “**Act**” shall mean the version of the Limited Liability Company Act adopted by the State of the Delaware.

(b) “**Entity**” shall mean any general partnership, limited partnership, limited liability company, corporation, joint venture, trust, estate, business trust, cooperative or association.

(c) “**Operating Agreement**” shall mean this Operating Agreement as originally executed and as amended from time to time.

(d) “**Person**” shall mean any individual or Entity, and the heirs, executors, administrators, legal representatives, successors, and assigns of such Person where the context so admits.

**ARTICLE 2
FORMATION OF COMPANY**

2.1 **Formation.** On August 12, 2011, the Company was organized as a Delaware limited liability company under and pursuant to the Act.

2.2 **Name.** The name of the Company is Heppner Wind Energy LLC, a Delaware limited liability company.

2.3 **Principal Place of Business.** The principal place of business of the Company within the State of Illinois shall be at One South Wacker Drive, Suite 1900, Chicago, Illinois 60606. The Company may locate its places of business and registered office at any other place or places as the Manager may from time to time deem advisable.

2.4 **Registered Office and Registered Agent.** The Company's registered office shall be at the office of its registered agent at 2711 Centerville Road, Suite 400, Wilmington, Delaware 19808 and the name of its initial registered agent at such address shall be Corporation Service Company.

2.5 **Certificate of Formation.** The Certificate of Formation is hereby adopted and incorporated by reference in this Operating Agreement. In the event of any inconsistency between the Certificate of Formation and this Operating Agreement, the terms of the Certificate of Formation shall govern.

2.6 **Term.** The term of the Company shall be perpetual, unless the Company is earlier dissolved in accordance with either the provisions of this Operating Agreement or the Act.

ARTICLE 3 **BUSINESS OF THE COMPANY**

3.1 **Permitted Businesses.** The Company is hereby authorized to undertake any and all lawful acts or activities for which limited liability companies may be formed under the Act.

ARTICLE 4 **BOOKS, RECORDS, AND ACCOUNTING**

4.1 **Books and Records.** The Manager shall maintain books of account that accurately record all items of income and expenditure relating to the business of the Company and that accurately and completely disclose the results of the operations of the Company. Such books of account shall be maintained on the method of accounting selected by the Manager.

4.2 **Bank Accounts.** The Manager shall establish and maintain one or more separate accounts in the name of the Company in one or more federally insured banking institutions of its choosing into which shall be deposited all funds of the Company and from which all Company expenditures and other disbursements shall be made. Funds may be withdrawn from such accounts on the signature of such Person or Persons that the Manager shall from time to time determine.

ARTICLE 5
MANAGEMENT

The business and affairs of the Company shall be managed by the Manager.

ARTICLE 6
OFFICERS

6.1 **Number.** The Officers of the Company shall be a President, a Secretary and any number of Vice Presidents or Assistant Secretaries or other officers (each an “**Officer**” and collectively “**Officers**”) as may be elected by the Manager. Any two or more offices may be held by the same person.

6.2 **Election and Term of Office.** The Officers of the Company shall be elected or appointed by the Manager. Vacancies may be filled or new offices created and filled by the Manager. Each Officer shall hold office until his successor shall have been duly elected or appointed and shall have qualified or until his death or until he shall resign or shall have been removed in the manner hereinafter provided. Election of an Officer shall not of itself create contract rights.

6.3 **Vacancies.** A vacancy in any office because of death, resignation, removal, disqualification or otherwise, may be filled by the Manager for the unexpired portion of the term.

6.4 **Removal.** Any Officer elected or appointed by the Manager may be removed by the Manager whenever in its judgment the best interests of the Company would be served thereby, but such removal shall be without prejudice to the contract rights, if any, of the person so removed.

6.5 **President.** The President shall be the principal officer of the Company. Subject to the direction and control of the Manager, he shall be in charge of the business of the Company; he shall see that the resolutions and directions of the Manager are carried into effect except in those instances in which that responsibility is specifically assigned to some other person by the Manager; and, in general, he shall discharge all duties as may be prescribed by the Manager from time to time. Except in those instances in which the authority to execute is expressly delegated to another officer or agent of the Company or a different mode of execution is expressly prescribed by the Manager or this Operating Agreement, he may execute for the Company any contracts, deeds, mortgages, bonds, or other instruments which the Manager has authorized to be executed, and he may accomplish such execution either individually or with any other officer thereunto authorized by the Manager according to the requirements of the form of the instrument. He may vote all securities which the Company is entitled to vote except as to the extent such authority shall be vested in a different officer or agent of the Company by the Manager.

6.6 **The Vice Presidents.** The Vice President (or in the event there be more than one Vice President, each of the Vice Presidents) shall assist the President in the discharge of his

duties as he may direct, and shall perform such other duties as from time to time may be assigned to him by the President or by the Manager. In the absence of the President or in the event of his inability or refusal to act, the Vice President (or in the event there be more than one Vice President, the Vice Presidents in the order designated by the Manager, or if the Manager has not made such a determination, or in the absence of any designation, then in the order of seniority of tenure as Vice President) shall perform the duties of the President, and when so acting, shall have all the powers of and be subject to all the restrictions upon the President. Except in those instances in which the authority to execute is expressly delegated to another officer or agent of the Company or a different mode of execution is expressly prescribed by the Manager or this Operating Agreement, the Vice President (or each of them if there are more than one) may execute for the Company any contracts, deeds, mortgages, bonds or other instruments, which the Manager has authorized to be executed, and he may accomplish such execution either individually or with any other officer thereunto authorized by the Manager according to the requirements of the form of the instrument.

6.7 **Secretary.** The Secretary shall keep a register of the post office address of each Member which shall be furnished to the Secretary by such Member. The Secretary shall have the authority to certify this Agreement, resolutions of the Manager, and other documents of the Company as true and correct copies thereof, and in general to perform all duties incident of the office of the Secretary and such other duties as from time to time may be assigned to him or her by the President and any of the Vice Presidents or by the Manager. If the Manager chooses to appoint an Assistant Secretary or Assistant Secretaries, the Assistant Secretaries, in the order of their seniority, in the absence, disability or inability to act of the Secretary, shall perform the duties and exercise the powers of the Secretary, and shall perform such other duties as the Manager may from time to time prescribe.

6.8 **Salaries.** The salaries and other compensation of the Officers shall be fixed from time to time by the Manager.

6.9 **Indemnification of Officers.**

(a) To the greatest extent allowed by the Act, the Officers shall not be liable to the Member because any taxing authorities disallow or adjust income, deduction or credits in the Company tax returns. Furthermore, the Officers shall not have any liability for the repayment of the capital contributions of the Member. In addition, the doing of any act or the omission to do any act by the Officers the effect of which may cause or result in loss or damage to the Company, if done in good faith and otherwise in accordance with the terms of this Operating Agreement, shall not subject the Officers or their successors and assigns to any liability to the greatest extent allowed by the Act. To the greatest extent allowed by the Act, the Company will indemnify and hold harmless the Officers and their successors, delegees and assigns from any claim, loss, expense, liability, action or damage resulting from any such act or omission, including, without limitation, reasonable costs and expenses of litigation and appeal of such litigation (including reasonable fees and expenses of attorneys engaged by any of the Officers in defense of such act or omission), but the Officers shall not be entitled to be indemnified or held harmless due to, or arising from, their fraud, gross negligence, bad faith or willful

malfeasance. The foregoing indemnification is limited to the assets of the Company, and nothing contained herein is intended to create personal liability for the Member.

(b) The Company may purchase and maintain insurance on behalf of any Person who is or was an Officer, employee, or agent of the Company, or who is or was serving at the request of the Company as a director, manager, officer, trustee, employee, or agent of another limited liability company, corporation, partnership, joint venture, trust, or other enterprise, against any liability asserted against the Person and incurred by the person in any capacity, or arising out of the Person's status as such, whether or not the Company would have the power to indemnify the Person against the liability under the provisions of this Section 6.9.

ARTICLE 7

RIGHTS AND OBLIGATIONS OF MEMBER

7.1 **Limitation of Liability.** The Member's liability shall be limited as set forth herein and in the Act and other applicable law.

7.2 **Company Debt Liability.** The Member will not personally be liable for any debts or losses of the Company, except as provided in the Act.

ARTICLE 8

DISSOLUTION AND TERMINATION

8.1 **Dissolution.** The Company shall be dissolved upon the occurrence of any of the following events ("**Dissolution Event**"):

- (a) the expiration of the term of the Company as provided in Section 2.6;
 - (b) by the written resolution of the Member;
 - (c) upon the death, retirement, resignation, bankruptcy, court declaration of incompetence with respect to, or dissolution of the Member (a "**Withdrawal Event**");
 - (d) entry of a decree of judicial dissolution under Section 18-802 of the Act;
- or
- (e) administrative dissolution under Section 18-801 of the Act.

8.2 **Distribution of Assets Upon Dissolution.** In settling accounts after dissolution, the liabilities of the Company shall be entitled to payment in the following order:

(a) to creditors, including the Member if it is a creditor, in the order of priority as provided by law; and

(b) to the Member.

8.3 Certificate of Dissolution. When all debts, liabilities and obligations have been paid and discharged or adequate provisions have been made therefor and all of the remaining property and assets have been distributed to the Member, a certificate of dissolution shall be executed and verified by the Person signing the certificate, which certificate shall set forth the information required by the Act.

8.4 Filing of Certificate of Dissolution.

(a) A certificate of dissolution shall be delivered to the Delaware Secretary of State.

(b) Upon the filing of the certificate of dissolution, the existence of the Company shall cease, except for the purpose of suits, other proceedings and appropriate action as provided in the Act.

ARTICLE 9
MISCELLANEOUS PROVISIONS

9.1 Notices. Any notice or communication required or permitted to be given by any provision of this Agreement, including but not limited to any consents, shall be in writing and shall be deemed to have been given and received by the Person to whom directed (a) when delivered personally to such Person or to an officer or partner of the Person to which directed, (b) twenty-four (24) hours after transmitted by facsimile, evidence of transmission attached, to the facsimile number of such Person who has notified the Company and the Manager of its facsimile number, or (c) three (3) business days after being posted in the United States mails if sent by registered or certified mail, return receipt requested, postage and charges prepaid, or one (1) business day after deposited with overnight courier, return receipt requested, delivery charges prepaid, in either case addressed to the Person to which directed at the address of such Person as it appears in the records of the Company or such other address of which such Person has notified the Company and the Manager.

9.2 Application of Delaware Law. This Operating Agreement, and the application of interpretation hereof, shall be governed exclusively by its terms and by the laws of the State of Delaware, and specifically, the Act.

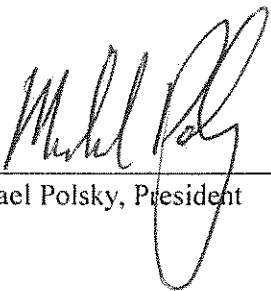
9.3 Construction. Whenever the singular number is used in this Operating Agreement and when required by the context, the same shall include the plural, and the masculine gender shall include the feminine and neuter genders and vice versa.

9.4 **Headings.** The headings in this Operating Agreement are inserted for convenience only and are in no way intended to describe, interpret, define, or limit the scope, extent or intent of this Operating Agreement or any provision hereof.

9.5 **Severability.** If any provision of this Operating Agreement or the application thereof to any Person or circumstance shall be invalid, illegal or unenforceable to any extent, the remainder of this Operating Agreement and the application thereof shall not be affected and shall be enforceable to the fullest extent permitted by law.

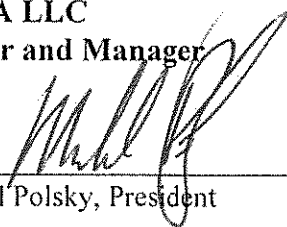
IN WITNESS WHEREOF, the undersigned has executed this Operating Agreement as of the date first set forth above.

HEPPNER WIND ENERGY LLC

By: 

Michael Polsky, President

**INVENERGY WIND NORTH
AMERICA LLC
its Member and Manager**

By: 

Michael Polsky, President

EXHIBIT A

MEMBERS

THIS SCHEDULE MAY BE AMENDED FROM TIME TO TIME TO REFLECT THE ADDITION OF NEW MEMBERS, THE ISSUANCE OF NEW MEMBERSHIP INTERESTS, THE SALE OR EXCHANGE OF MEMBERSHIP INTERESTS, OR OTHER SHIFTS OF MEMBERSHIP INTERESTS PURSUANT TO THE OPERATING AGREEMENT OR A CHANGE OF ADDRESS OR FACSIMILE NUMBER OF A PERSON FOR WHICH NOTICE WAS GIVEN TO THE COMPANY PURSUANT TO THIS OPERATING AGREEMENT.

Name and Address	Facsimile Number	Percentage Interest
Invenergy Wind North America LLC One S. Wacker Drive Suite 1900 Chicago, Illinois 60606	(312)224-1444	100%
TOTALS		100%

ASSIGNMENT OF LIMITED LIABILITY COMPANY INTEREST

FOR VALUE RECEIVED, Invenergy Wind North America LLC, a Delaware limited liability company ("IWNA") does hereby assign, transfer and convey unto Invenergy Wind Development North America LLC, a Delaware limited liability company ("IWDNA"), 100% of its limited liability company interests in and to each of those certain limited liability companies whose names are set forth in Exhibit A attached hereto, (each individually, the "Assigned Company" and collectively, the "Assigned Companies") (the "Interests"). Notwithstanding any provisions in the Operating Agreements or Limited Liability Company Agreements, as applicable, of the Assigned Companies (the "Agreements") to the contrary, for value received, the receipt and sufficiency of which are hereby acknowledged, upon the execution of this Assignment of Limited Liability Company Interest of the Assigned Companies (the "Assignment") by the parties hereto, IWNA does hereby assign, transfer and convey the Interests to IWDNA. Notwithstanding any provisions in the Agreements to the contrary, contemporaneously with the assignment described herein, IWDNA shall be admitted to each Assigned Company as a substitute member of the applicable Assigned Company. Notwithstanding any provisions in the Agreements to the contrary, immediately following the admission of IWDNA as a substitute member of the applicable Assigned Company, IWNA shall and does hereby withdraw from such Assigned Company as a member of such Assigned Company, and shall thereupon cease to be a member of such Assigned Company, and shall thereupon cease to have or exercise any right or power as a member of such Assigned Company. The parties hereto agree that the assignment of the Interests, the admission of IWDNA as a substitute member of the applicable Assigned Company and the resignation of IWNA as a

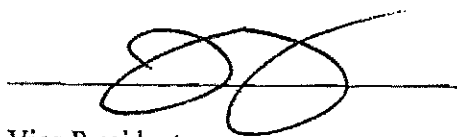
member of the applicable Assigned Company shall not dissolve such Assigned Company and that the business of such Assigned Company shall continue.

This Assignment shall be governed by, and interpreted in accordance with, the laws of the State of Delaware, all rights and remedies being governed by such laws.

IN WITNESS WHEREOF, the undersigned have executed this assignment this 22 day
of November 2011.

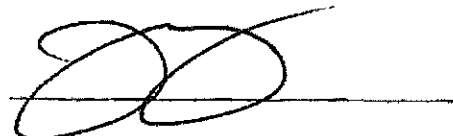
Accepted:

INVENERGY WIND NORTH
AMERICA LLC

A handwritten signature consisting of several overlapping loops, written over a horizontal line.

Vice President

INVENERGY WIND
DEVELOPMENT NORTH
AMERICA LLC

A handwritten signature consisting of several overlapping loops, written over a horizontal line.

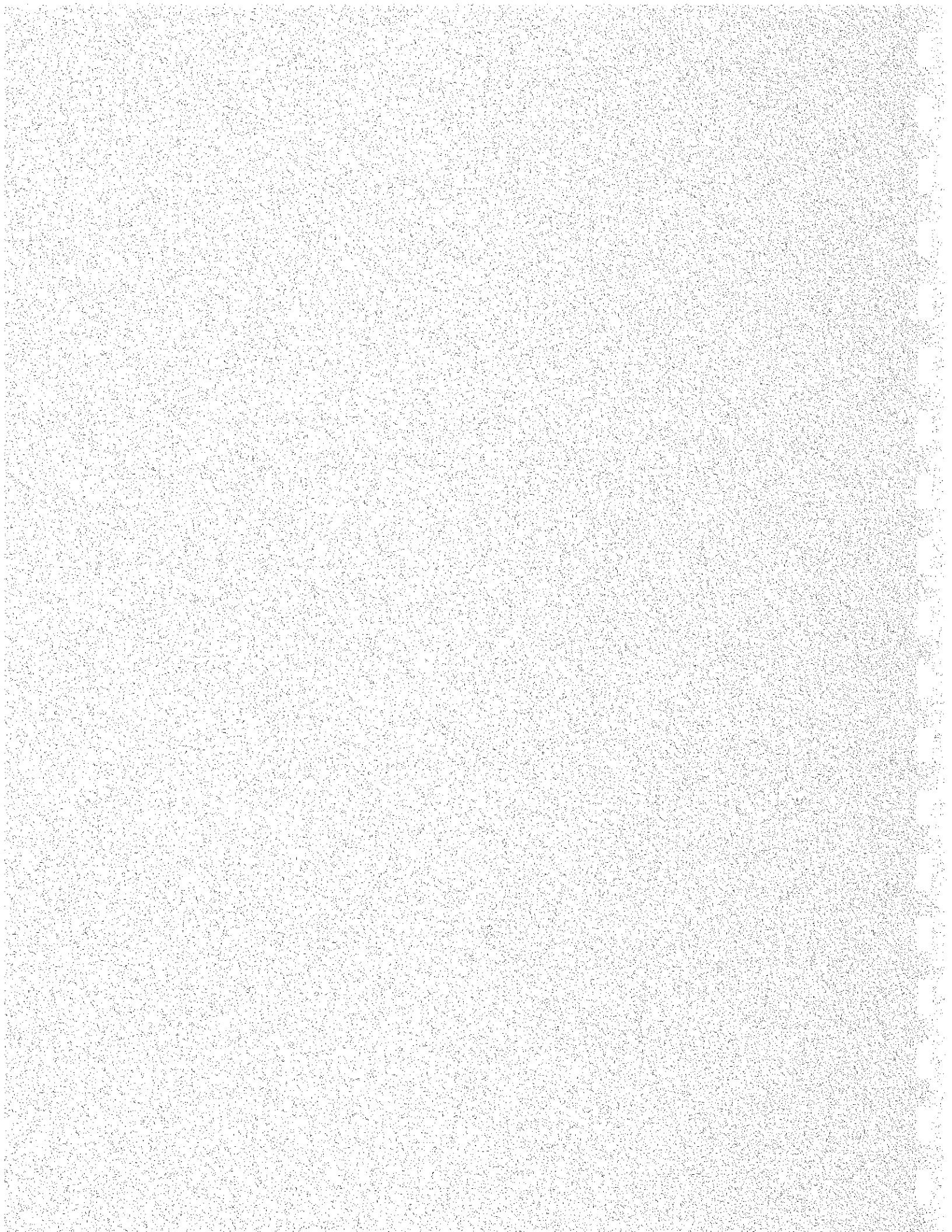
Vice President

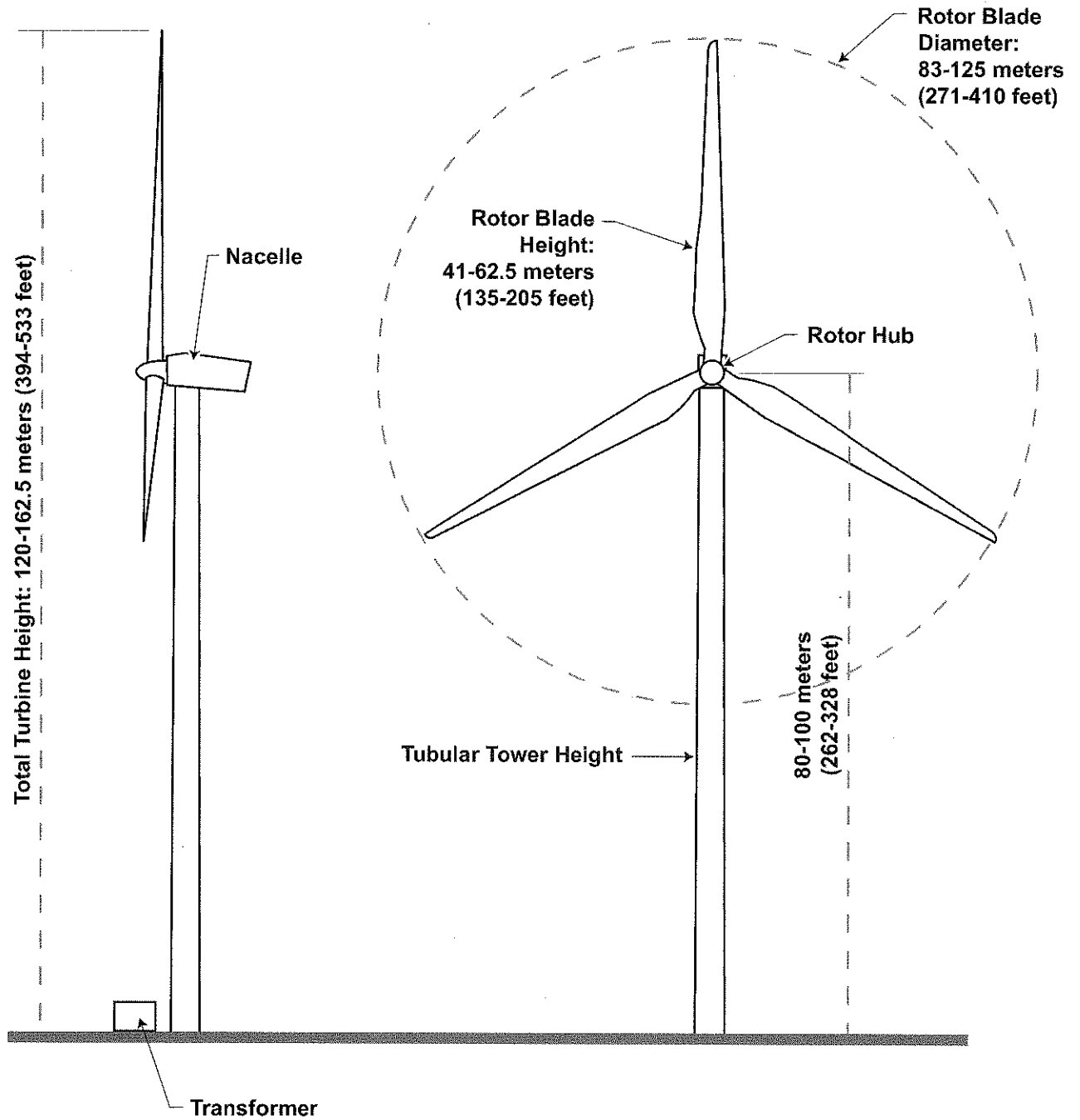
Exhibit A

1. [REDACTED]
2. [REDACTED]
3. [REDACTED]
4. [REDACTED]
5. [REDACTED]
6. [REDACTED]
7. [REDACTED]
8. [REDACTED]
9. [REDACTED]
10. [REDACTED]
11. [REDACTED]
12. [REDACTED]
13. [REDACTED]
14. [REDACTED]
15. [REDACTED]
16. [REDACTED]
17. [REDACTED]
18. [REDACTED]
19. [REDACTED]
20. [REDACTED]
21. [REDACTED]
22. [REDACTED]
23. [REDACTED]
24. [REDACTED]
25. [REDACTED]
26. Heppner Wind Energy LLC
27. [REDACTED]
28. [REDACTED]
29. [REDACTED]
30. [REDACTED]
31. [REDACTED]
32. [REDACTED]
33. [REDACTED]
34. [REDACTED]
35. [REDACTED]
36. [REDACTED]
37. [REDACTED]
38. [REDACTED]
39. [REDACTED]
40. [REDACTED]
41. [REDACTED]
42. [REDACTED]
43. [REDACTED]
44. [REDACTED]

ATTACHMENT B
Figures Referenced in Exhibit B

Figure B-1: Typical Wind Turbine
Figure B-2: Typical Pier- and Spread-Type Footing Foundation

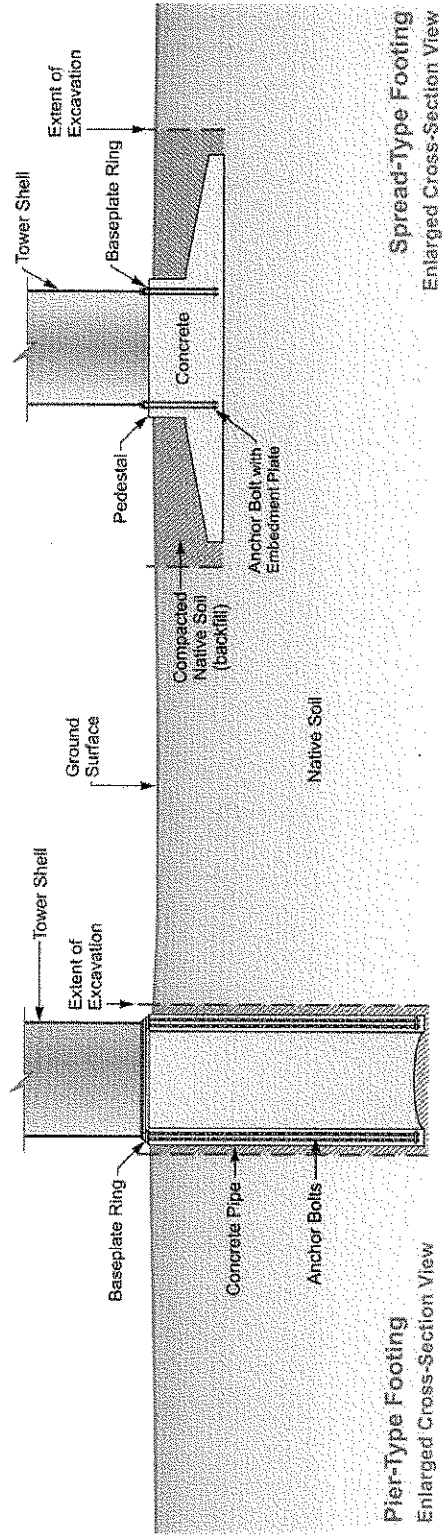




NOTE: All dimensions are approximate.

Invenergy

FIGURE B-1
Typical Wind Turbine
HEPPNER WIND ENERGY FACILITY



ATTACHMENT F
Morrow and Umatilla County
Landowners

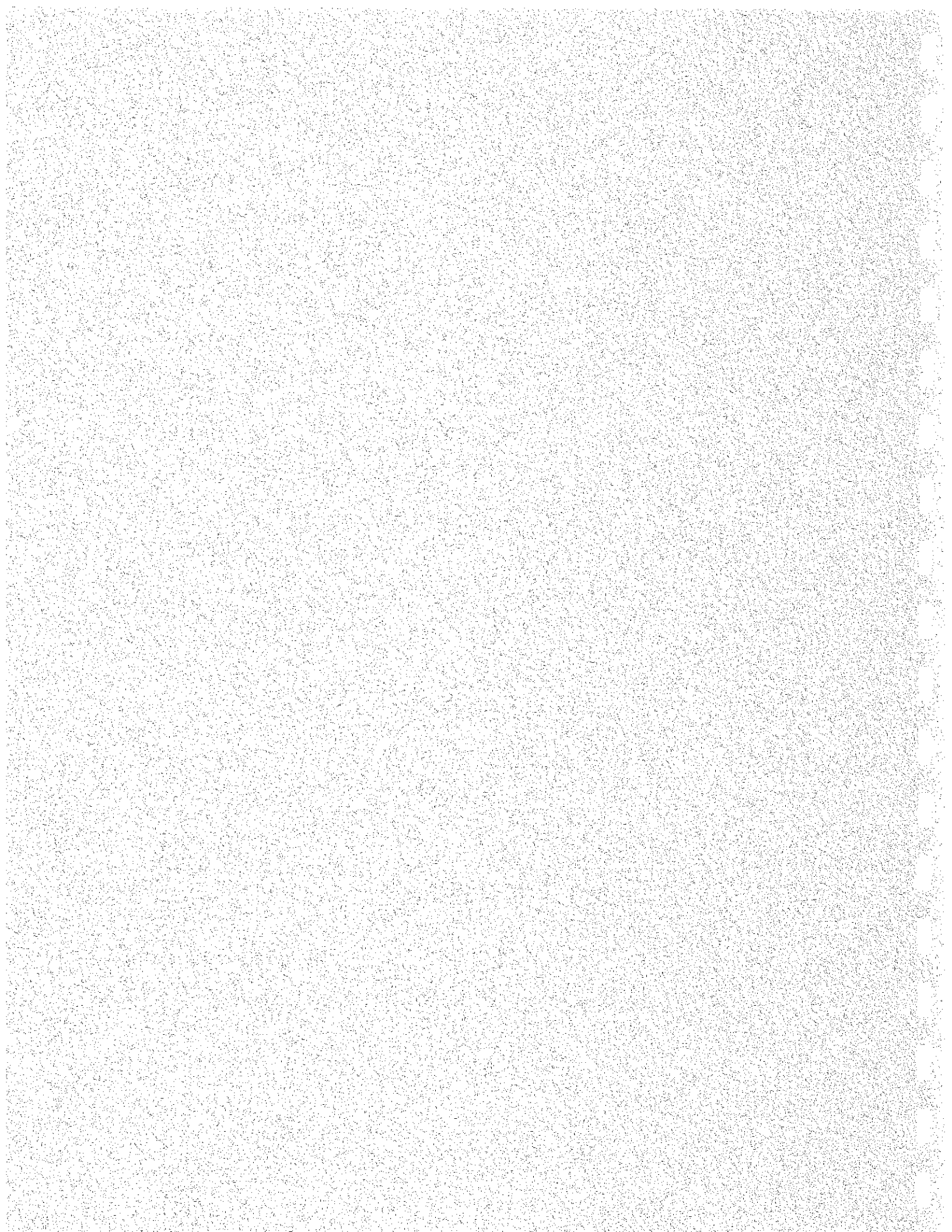


Table F-1. Morrow County Landowners within 500 feet of Proposed Site Boundary
 Data obtained from Morrow County on April 9, 2012

Tax Lot ID	Owner/Address 1	Owner/Address 2	Owner/Address 3	Owner/Address 4	Owner/Address 5
01n28-00300	SCHILLER, MARILYN	69958 SCHILLER DR	ECHO, OR 97826		
01n28-00301	SCHILLER, MARILYN, TRUSTEE	69958 SCHILLER DR	ECHO, OR 97826		
01n28-00304	SCHILLER, MARILYN	69958 SCHILLER DR	ECHO, OR 97826		
01s27-00100	DALY RANCH, LLC	% DALY, CHARLES J &	DALY, YVONNE J	65184 LITTLE BUTTER CREEK RD	HEPPNER, OR 97836
01s27-00200	VOGE, WARREN H, 1/3 &	O'BRIEN, GORDON, 1/6 ETAL	16838 NE HOYT	PORTLAND, OR 97230	
01s27-00300	DALY RANCH, LLC	% DALY, CHARLES J &	DALY, YVONNE J	65184 LITTLE BUTTER CREEK RD	HEPPNER, OR 97836
01s27-00500	DOUGHERTY, PATRICIA, TR, 1/2 &	DOUGHERTY, PATRICIA, 1/2	66317 SPUR LOOP RD	HEPPNER, OR 97836	
01s27-00510	DOUGHERTY, CINDY, 1/4	%DOUGHERTY, PAT	66317 SPUR LOOP RD	HEPPNER, OR 97836	
01s27-00900	THORNE, KATHRYN HEALY, TR, 34.375% &	KNOWLES, MARY LYNN &	KNOWLES, BRIAN D, 34.375% ETAL	67179 LITTLE BUTTERCREEK RD	HEPPNER, OR 97836
01s27-01000	VOGE, WARREN H, 1/3 &	O'BRIEN, GORDON, 1/6 ETAL	16838 NE HOYT	PORTLAND, OR 97230	
01s27-01100	THORNE, KATHRYN HEALY, TR, 34.375% &	KNOWLES, MARY LYNN &	KNOWLES, BRIAN D, 34.375% ETAL	67179 LITTLE BUTTERCREEK RD	HEPPNER, OR 97836
01s27-01200	ROBINSON PROPERTY MANAGEMENT LLC	64583 SPUR LOOP RD	HEPPNER, OR 97836		
01s27-01600	KENNY, WILLIAM J & MARJORIE	64885 KENNY RD	HEPPNER, OR 97836		
01s28-00200	SCHILLER, MARILYN	69958 SCHILLER DR	ECHO, OR 97826		
01s28-00300	SCHILLER, MARILYN	69958 SCHILLER DR	ECHO, OR 97826		
01s28-00500	LAZY K LAND, LLC	% CURRIN, STEVE	60732 LITTLE BUTTER CREEK RD	HEPPNER, OR 97836-7234	
01s28-00600	VOGE, WARREN H, 1/3 &	O'BRIEN, GORDON, 1/6 ETAL	16838 NE HOYT	PORTLAND, OR 97230	
01s28-00700	DALY RANCH, LLC	% DALY, CHARLES J &	DALY, YVONNE J	65184 LITTLE BUTTER CREEK RD	HEPPNER, OR 97836
01s28-01000	JMH RANCH, LLC	PO BOX 692	HEPPNER, OR 97836		
01s28-01300	SCHILLER, MARILYN	69958 SCHILLER DR	ECHO, OR 97826		
01s28-01400	SCHILLER, MARILYN	69958 SCHILLER DR	ECHO, OR 97826		
01s28-01401	SCHILLER, MARILYN	69958 SCHILLER DR	ECHO, OR 97826		
01s28-01600	LAZY K LAND, LLC, 2/3 &	BIRCH CREEK LAND, LLC, 1/3	% CURRIN, STEVE & LISANNE	60732 LITTLE BUTTERCREEK RD	HEPPNER, OR 97836-7234
01s28-01601	HEPPNER CEMETERY (MAIN DIST)	PO BOX 1047	HEPPNER, OR 97836		
01s28-01700	HUGHES, MERLIN, 1/2 &	HUGHES, CLAUDIA, 1/2	60458 LITTLE BUTTER CREEK RD	HEPPNER, OR 97836	
01s28-01800	JMH RANCH, LLC	PO BOX 692	HEPPNER, OR 97836		
01s28-01900	JMH RANCH, LLC	PO BOX 692	HEPPNER, OR 97836		
01s28-02000	THORNE, KATHRYN HEALY, TR, 1/2 &	KNOWLES, MARY LYNN &	KNOWLES, BRIAN D, 1/2	67179 LITTLE BUTTER CREEK RD	HEPPNER, OR 97836
01s28-02100	THORNE, KATHRYN HEALY, TR, 34.375% &	KNOWLES, MARY LYNN &	KNOWLES, BRIAN D, 34.375% ETAL	67179 LITTLE BUTTERCREEK RD	HEPPNER, OR 97836
01s28-02200	HUGHES, MERLIN, 1/2 &	HUGHES, CLAUDIA, 1/2	60458 LITTLE BUTTER CREEK RD	HEPPNER, OR 97836	
01s28-02300	HUGHES, MERLIN, 1/2 &	HUGHES, CLAUDIA, 1/2	60458 LITTLE BUTTER CREEK RD	HEPPNER, OR 97836	
01s29-02100	HUGHES, MERLIN, 1/2 &	HUGHES, CLAUDIA, 1/2	60458 LITTLE BUTTER CREEK RD	HEPPNER, OR 97836	
02s27-00100	LAZY K LAND, LLC, 2/3 &	BIRCH CREEK LAND, LLC, 1/3	% CURRIN, STEVE & LISANNE	60732 LITTLE BUTTERCREEK RD	HEPPNER, OR 97836-7234
02s27-00200	PRICE, THOMAS D	PO BOX 487	PENDELTON, OR 97801		
02s27-00300	KENNY, WILLIAM J & MARJORIE T	64885 KENNY RD	HEPPNER, OR 97836		
02s27-00600	ROBINSON PROPERTY MANAGEMENT LLC	64583 SPUR LOOP RD	HEPPNER, OR 97836		
02s27-00700	KENNY, WILLIAM J & MARJORIE	64885 KENNY RD	HEPPNER, OR 97836		
02s27-02300	BENNETT, DONALD L, 1/2 &	BENNETT, CLARICE JEAN, 1/2	69853 HANNA-ARBUCKLE RD	HEPPNER, OR 97836	
02s27-03400	ASHBECK, MITCHELL & TERRY L	69359 LITTLE BUTTER CREEK RD	ECHO, OR 97826		
02s28-00100	HUGHES, MERLIN, 1/2 &	HUGHES, CLAUDIA, 1/2	60458 LITTLE BUTTER CREEK RD	HEPPNER, OR 97836	
02s28-00200	PETERSON, HOMER W	71286 STRAUGHAN RD	PENDELTON, OR 97801-9346		

Table F-1. Morrow County Landowners within 500 feet of Proposed Site Boundary
Data obtained from Morrow County on April 9, 2012

Tax Lot ID	Owner/Address 1	Owner/Address 2	Owner/Address 3	Owner/Address 4	Owner/Address 5
02s28-00300	PETERSON, HOMER W	71286 STRAUGHAN RD	PENDLETON, OR 97801-9346		
02s28-00400	LAZY K LAND, LLC	% CURRIIN, STEVE	60732 LITTLE BUTTER CREEK RD	HEPPNER, OR 97836-7234	
02s28-00401	BUTTER CREEK CATTLE CO	% CURRIIN, LISANNE	60732 LITTLE BUTTER CREEK RD	HEPPNER, OR 97836-7234	
02s28-00402	CURRIIN, STEVE &	CURRIIN, LISANNE	60732 LITTLE BUTTER CREEK RD	HEPPNER, OR 97836-7234	
02s28-00500	LAZY K LAND, LLC, 2/3 &	BIRCH CREEK LAND, LLC, 1/3	% CURRIIN, STEVE & LISANNE	60732 LITTLE BUTTER CREEK RD	HEPPNER, OR 97836-7234
02s28-00600	THORNE, KATHRYN HEALY, TR, 34.375% &	KNOWLES, MARY LYNN &	KNOWLES, BRIAN D, 34.375% ETAL	67179 LITTLE BUTTER CREEK RD	HEPPNER, OR 97836
02s28-00700	THORNE, KATHRYN HEALY, TR, 34.375% &	KNOWLES, MARY LYNN &	KNOWLES, BRIAN D, 34.375% ETAL	67179 LITTLE BUTTER CREEK RD	HEPPNER, OR 97836
02s28-00800	HUGHES, JANET GAIL	PO BOX 465	HEPPNER, OR 97836-0465	67179 LITTLE BUTTER CREEK RD	HEPPNER, OR 97836
02s28-00900	LENTZ, TOMMY F &	LENTZ, JUDY V	1881 SELPH LANDING RD	PASCO, WA 99301	
02s28-01000	STATE OF OREGON	417 TRANSPORTATION BLDG	SALEM, OR 97310		
02s28-01100	HUGHES, WM KEVIN &	HUGHES, ANGIE M	60063 LITTLE BUTTER CREEK RD	HEPPNER, OR 97836	
02s28-01200	BROSANAN RANCH, INC	59017 LITTLE BUTTER CREEK RD	HEPPNER, OR 97836		
02s28-01300	KILKENNY, JOHN O &	KILKENNY, DIANE L	79074 HWY 74	HEPPNER, OR 97836	
02s28-01301	KILKENNY, JOHN O &	KILKENNY, DIANE L	79074 HWY 74	HEPPNER, OR 97836	
02s28-01302	KILKENNY, JOHN O & DIANE	79074 HWY 74	HEPPNER, OR 97836		
02s28-01400	PRICE, THOMAS D	PO BOX 487	PENDLETON, OR 97801		
02s28-01403	BERNING, RON & GINGER	9200 PORTLAND RD, NE	BROOKS, OR 97305		
02s28-01500	HUGHES, GAIL	PO BOX 465	HEPPNER, OR 97836-0465		
02s28-01600	HUGHES, GAIL	PO BOX 465	HEPPNER, OR 97836-0465		
02s28-01700	STATE OF OREGON	417 TRANSPORTATION BLDG	SALEM, OR 97310		
02s28-01900	LENTZ, TOMMY F &	LENTZ, JUDY V	1881 SELPH LANDING RD	PASCO, WA 99301	
02s28-02001	ASHBECK, MITCHELL & TERRY L	69359 LITTLE BUTTER CREEK RD	ECHO, OR 97826		
02s28-02100	KILKENNY, JOHN & DIANE	79074 HWY 74	HEPPNER, OR 97836		
02s29-00700	HUGHES, MERLIN, 1/2 &	HUGHES, CLAUDIA, 1/2	60458 LITTLE BUTTER CREEK RD	HEPPNER, OR 97836	
02s29-00900	HUGHES, MERLIN, 1/2 &	HUGHES, CLAUDIA, 1/2	60458 LITTLE BUTTER CREEK RD	HEPPNER, OR 97836	
02s29-01500	BROSANAN RANCH, INC	59017 LITTLE BUTTER CREEK RD	HEPPNER, OR 97836		
02s29-02500	ASPEN PROPERTIES LIMITED PARTNERSHIP	1320 N 16TH AVE, STE A	YAKIMA, WA 98902		
02s29-02600	LENTZ, TOMMY F &	LENTZ, JUDY V	1881 SELPH LANDING RD	PASCO, WA 99301	
03s28-00100	ASPEN PROPERTIES LIMITED PARTNERSHIP	1320 N 16TH AVE, STE A	YAKIMA, WA 98902		
03s28-00300	LENTZ, TOMMY F &	LENTZ, JUDY V	1881 SELPH LANDING RD	PASCO, WA 99301	
03s28-00302	LENTZ, TOMMY F &	LENTZ, JUDY V	1881 SELPH LANDING RD	PASCO, WA 99301	
03s28-00400	KILKENNY, JOHN & DIANE	79074 HWY 74	HEPPNER, OR 97836		
03s28-00500	KILKENNY, JOHN O &	KILKENNY, DIANE L	79074 HWY 74	HEPPNER, OR 97836	
03s28-00600	GERBER, KELLY M	650 SLED PARK DR	BILLINGS, MT 59101		
03s28-00700	BARBER, DONALD W & JUDITH J	60071 HANNA-ARBUCKLE RD	HEPPNER, OR 97836		
03s28-00800	ASHBECK, MITCHELL & TERRY L	69359 LITTLE BUTTER CREEK RD	ECHO, OR 97826		
03s28-00900	DOUBLE W RANCH, LLC	PO BOX 787	HEPPNER, OR 97836		
03s28-01100	DOUBLE W RANCH, LLC	PO BOX 787	HEPPNER, OR 97836		
03s28-01200	HISLER, PAUL, JR	56504 LITTLE BUTTER CREEK RD	HEPPNER, OR 97836		
03s28-01300	RUNNING W RANCH, LLC	PO BOX 787	HEPPNER, OR 97836-0787		
03s28-01500	RUNNING W RANCH, LLC	PO BOX 787	HEPPNER, OR 97836-0787		
03s28-01601	DOUBLE W RANCH, LLC	PO BOX 787	HEPPNER, OR 97836		
03s28-01700	CITY OF HEPPNER	PO BOX 756	HEPPNER, OR 97836		
03s28-01800	RUNNING W RANCH, LLC	PO BOX 787	HEPPNER, OR 97836-0787		
03s28-02400	RUNNING W RANCH, LLC	PO BOX 787	HEPPNER, OR 97836-0787		

Table F-1. Morrow County Landowners within 500 feet of Proposed Site Boundary
 Data obtained from Morrow County on April 9, 2012

Tax Lot ID	Owner/Address 1	Owner/Address 2	Owner/Address 3	Owner/Address 4	Owner/Address 5
03s29-00400	ASPEN PROPERTIES LIMITED PARTNERSHIP	1320 N 16TH AVE, STE A	YAKIMA, WA 98902		
03s29-00500	LENTZ, TOMMY F &	LENTZ, JUDY V	1881 SELPH LANDING RD	PASCO, WA 99301	
03s29-00600	HISLER, PAUL, JR	56504 LITTLE BUTTER CREEK RD	HEPPNER, OR 97836		
03s29-01800	PETE'S TRUST	% IRWIN, LISA	74771 MCCORMMACH	PENDLETON, OR 97801	
03s29-02000	HISLER, PAUL A & SUSAN A	56504 LITTLE BUTTER CREEK RD	HEPPNER, OR 97836-7238		
04s28-00100	LENTZ, TOMMY F &	LENTZ, JUDY V	1881 SELPH LANDING RD	PASCO, WA 99301	
04s28-00200	HISLER, SHAUN P	56504 LITTLE BUTTER CREEK RD	HEPPNER, OR 97836		
04s28-00304	GILLIAM, HOWARD & HELEN, TRSTE	6905 SW KING BLVD	BEAVERTON, OR 97008-5320		
04s28-00321	HISLER, SHAUN P	56504 LITTLE BUTTER CREEK RD	HEPPNER, OR 97836		
04s28-00400	DOUBLE W RANCH, LLC	PO BOX 787	HEPPNER, OR 97836		
04s28-00500	DOUBLE W RANCH, LLC	PO BOX 787	HEPPNER, OR 97836		
04s28-00600	RUNNING W RANCH, LLC	PO BOX 787	HEPPNER, OR 97836-0787		
04s2802d-00100	HISLER, SHAUN P	56504 LITTLE BUTTER CREEK RD	HEPPNER, OR 97836		
04s2802d-00900	HEBENER, BRIAN T	3837 N PALMER DR	COEUR D'ALENE, ID 83815-8028		
04s29-01600	LENTZ, TOMMY F &	LENTZ, JUDY V	1881 SELPH LANDING RD	PASCO, WA 99301	
04s29-01800	HISLER, SHAUN P	56504 LITTLE BUTTER CREEK RD	HEPPNER, OR 97836		

Table F-2. Umatilla County Landowners within 500 feet of Proposed Site Boundary
 Data obtained from Umatilla County on April 17, 2012

Tax Lot ID	Owner	In Care Of	Agent	Address	City	State	Zip
2N28000000100	SNOW H RICHARD 1/2 & (TRS) 1/2			33263 OREGON TRAIL RD	ECHO	OR	97826
2N28000000200	EAGLE RANCH			33237 OREGON TRAIL RD	ECHO	OR	97826
2N28000000400	SCHILLER MARILYN			69958 SCHILLER DR	ECHO	OR	97826
2N28000000600	EAGLE RANCH			32327 OREGON TRAIL RD	ECHO	OR	97826
2N28000000800	WESTLAND ENTERPRISES LLC			822 HWY 395 S PMB 423	HERMISTON	OR	97838
2N28000001900	SCHILLER MARILYN			69958 SCHILLER DR	ECHO	OR	97826
2N28000001901	SCHILLER MARILYN			69958 SCHILLER DR	ECHO	OR	97826
2N28000002100	SCHILLER MARILYN			69958 SCHILLER DR	ECHO	OR	97826
2N28000002200	SCHILLER MARILYN			69958 SCHILLER DR	ECHO	OR	97826
2N28000002300	SCHILLER MARILYN			69958 SCHILLER DR	ECHO	OR	97826
2N28000002500	MCCARTY CAROLE MAE & NATION KAY LOUISE			110 NW 8TH ST	PENDLETON	OR	97801
2N28000003000	HAWKINS CO INC			78771 EGGERS RD	PENDLETON	OR	97801
2N29000000200	PENDLETON RANCHES INC			PO BOX 1186	PENDLETON	OR	97801
2N29000000300	RAMOS CHARLES & JOHN			PO BOX 308	ECHO	OR	97826
2N29000000400	CUNNINGHAM SHEEP CO			PO BOX 1186	PENDLETON	OR	97801
2N29000000500	PIERCY LLOYD & LOIS			33927 RIVERVIEW DR	HERMISTON	OR	97838
2N29000000700	SNOW H RICHARD 1/2 & (TRS) 1/2			33263 OREGON TRAIL RD	ECHO	OR	97826
2N29000000800	SNOW RICHARD 1/2 & (TRS) 1/2			33263 OREGON TRAIL RD	ECHO	OR	97826
2N29000000900	PENDLETON RANCHES INC			33263 OREGON TRAIL RD	ECHO	OR	97826
3N28000000200	STATE OF OREGON	ODOT TECH CNTR PROP MGMT #42500		PO BOX 1186	PENDLETON	OR	97801
3N28000000300	DOUBLE M RANCH INC 50% HOPPER PAT (LE) ETA			PO BOX 38	ADAMS	OR	97810
3N28000000400	MANN IRVIN L 3RD ETAL	C/O HOPPER PAT M		4040 FAIRVIEW INDUSTRIAL DR SE #MS2	SALEM	OR	97302-1142
3N28000004001	CORREA DAVID M & SUE E			PO BOX 38	ADAMS	OR	97810
3N28000004002	CORREA DAVID M & SUE E			PO BOX 8	ECHO	OR	97826
3N28000004100	DOUBLE M RANCH INC			31777 ANDREWS RD	ECHO	OR	97826
3N28000004101	DOUBLE M RANCH INC			31777 ANDREWS RD	ECHO	OR	97826
3N28000004160	DOUBLE M RANCH INC			PO BOX 38	ADAMS	OR	97810
3N28000004180	DOUBLE M RANCH INC			PO BOX 38	ADAMS	OR	97810
3N28000004190	DOUBLE M RANCH INC			PO BOX 38	ADAMS	OR	97810
3N28000007402	EAGLE RANCH			PO BOX 38	ADAMS	OR	97810
3N28000009300	JACK CORREA RANCH LLC			32327 OREGON TRAIL RD	ECHO	OR	97826
3N28240000300	MCCARTY DAVID			31317 ANDREWS RD	ECHO	OR	97826
3N29000000100	HALE FARMS LLC			14178 BEN DIER LN	BAKER CITY	OR	97814
3N29000000300	HALE FARMS LLC			73120 HWY 207	ECHO	OR	97826-9019
3N29000000303	HALE FARMS LLC			73120 HWY 207	ECHO	OR	97826-9019
3N29000000304	HALE FARMS LLC			73120 HWY 207	ECHO	OR	97826-9019
3N29000000400	GEHRKE MERLE A & PATSY M			34718 OLD HWY 320	ECHO	OR	97826
3N290000003900	HALE FARMS LLC			73120 HWY 207	ECHO	OR	97826-9019
3N290000004000	RAMOS CHARLES J & RAMOS JOHN BRINKER			PO BOX 308	ECHO	OR	97826
3N290000004100	HALE FARMS LLC			PO BOX 308	ECHO	OR	97826-9019
3N290000008200	RAMOS CHARLES & JOHN			PO BOX 308	ECHO	OR	97826
3N290000008300	CAPLINGER C & GUTENSOHN J & LAVENDER W			75228 COPPINGER LN	ECHO	OR	97826-9615
3N290000008400	HALE FARMS LLC			73120 HWY 207	ECHO	OR	97826-9019
3N290000008500	WEST MARGARET JEANNE			34890 RIETH RD	ECHO	OR	97826
3N290000008700	CAPLINGER C & GUTENSOHN J & LAVENDER W			75228 COPPINGER LN	ECHO	OR	97826-9615
3N290000008800	CAPLINGER CONNIE L			75228 COPPINGER LN	ECHO	OR	97826
3N290000009300	PIERCY LLOYD & LOIS			33927 RIVERVIEW DR	HERMISTON	OR	97838
3N29000010500	PENDLETON RANCHES INC			PO BOX 1186	PENDLETON	OR	97801

Table F-2. Umatilla County Landowners within 500 feet of Proposed Site Boundary
 Data obtained from Umatilla County on April 17, 2012

Tax Lot ID	Owner	In Care Of	Agent	Address	City	State	Zip
3N29C00010600	HARRIS JOANNE RAMOS			34890 RIETH RD	ECHO	OR	97826
3N29C00010700	SIMONS STANLEY J JR			1188 SW THETA CT	PENDELTON	OR	97801
3N29C00000600	DOUBLE M RANCH INC			PO BOX 38	ADAMS	OR	97810
3N29C00001190	DOUBLE M RANCH INC & HOPPER PAT (LE) ETAL			PO BOX 38	ADAMS	OR	97810
3N29B00002000	SPIKE RANCH INC			PO BOX 8	ECHO	OR	97826
3N29B00002100	MILLS MINT FARM INC			77356 N LOOP RD	STANFIELD	OR	97875
3N29B00002200	SPIKE RANCH INC			PO BOX 8	ECHO	OR	97826
3N29B00005100	EAGLE RANCH			32327 OREGON TRAIL RD	ECHO	OR	97826
3N29B00005200	DOUBLE M RANCH INC			32327 OREGON TRAIL RD	ECHO	OR	97826
3N29B00005300	DOUBLE M RANCH INC			PO BOX 38	ADAMS	OR	97810
3N29C00001800	AMSTAD ALOIS A & DEE ANN G	(TRS)		PO BOX 890	HERMISTON	OR	97838
3N29C00001900	AMSTAD ALOIS A & DEE ANN G (TRS)			PO BOX 890	HERMISTON	OR	97838
3N29C00002000	SNOW RICHARD 1/2 & (TRS) 1/2			33263 OREGON TRAIL RD	ECHO	OR	97826
3N29C00002100	SNOW H RICHARD (TRS)			33263 OREGON TRAIL RD	ECHO	OR	97826
3N29C00002600	SNOW RICHARD 1/2 & (TRS) 1/2			33263 OREGON TRAIL RD	ECHO	OR	97826
3N29C00002700	SNOW RICHARD 1/2 & (TRS) 1/2			33263 OREGON TRAIL RD	ECHO	OR	97826
4N28D000002100	OREGON-WASH RR & NAVIGATION CO	ATTN: CORP TAX		1400 DOUGLAS #STOP 1640	OMAHA	NE	68179
4N28D000002180	UNION PACIFIC RAILROAD CO	C/O PROPERTY TAX		1400 DOUGLAS STOP 1640	OMAHA	NE	68179
4N28D000002800	MUELLER FRANK N		DOUBLE M RANCH INC (AGT)	PO BOX 38	ADAMS	OR	97810
4N28D000002900	CARLSON MICHAEL & KARWEN			PO BOX 956	STANFIELD	OR	97875
4N28D000002902	MUELLER FRANK N		DOUBLE M RANCH INC (AGT)	PO BOX 38	ADAMS	OR	97810
4N28D000003000	MUELLER FRANK N		DOUBLE M RANCH INC (AGT)	PO BOX 38	ADAMS	OR	97810
4N28D000003100	DOUBLE M RANCH INC			PO BOX 38	ADAMS	OR	97810
4N28D000003190	DILLON IRRIGATION DIST						
4N28D000003200	MUELLER FRANK N		DOUBLE M RANCH INC (AGT)	PO BOX 38	ADAMS	OR	97810
4N28D000003406	MANN IRVIN L 3RD&EUBANKS JBUHLER D(TRS)	C/O HOPPER P		PO BOX 38	ADAMS	OR	97810
4N29190000100	WINDBLOWN RANCH INC			32313 OREGON TRAIL RD	ECHO	OR	97826
4N29280000100	MILLS BROTHERS LLC			77356 N LOOP RD	STANFIELD	OR	97875-4542
4N292800000500	NEWMAN LARRY G & LORRAINE K			77728 N ASH RD	STANFIELD	OR	97875
4N292800000700	GIBBS F ZANE & JANICE			33591 COLLINS LN	STANFIELD	OR	97875
4N292800000800	HENSAL WILLIAM M & MARY KATHERINE			33480 COLLINS LN	STANFIELD	OR	97875
4N292800001500	COOK GREGORY I & MELODY F			33254 GEIST RD	STANFIELD	OR	97875
4N292800001700	RAYL JOHN H & BETTY A			77673 S EDWARDS RD	STANFIELD	OR	97875
4N292800001900	HOUK BENNIE L & PEGGY M			77841 N ASH RD	STANFIELD	OR	97875
4N292800002000	BARNES KENT C & BARNES LORI A			77862 N ASH RD	STANFIELD	OR	97875
4N292800002100	MILLS MINT FARM INC			77356 N LOOP RD	STANFIELD	OR	97875
4N292800002200	KELLY SHARON K			77868 N ASH RD	STANFIELD	OR	97875
4N292800002300	JENKINS CAROL S ETAL			PO BOX 33	STANFIELD	OR	97875
4N29290000100	LOYALTA INC	C/O NICKLOFF TERRI		5120 NE ALAMEDA	PORTLAND	OR	97213
4N29310000600	GOODRICH TERENCE & CAROL			77513 HOOSIER RD	STANFIELD	OR	97875
4N29330000100	DOUBLE M RANCH INC			PO BOX 38	ADAMS	OR	97810
4N293300001600	MILLS MARVIN G & KIM			77853 N ASH RD	STANFIELD	OR	97875-4537
4N293300001700	MILLS BROTHERS LLC			77356 N LOOP RD	STANFIELD	OR	97875-4542
4N293300001800	COOPER JERRY L & PAMELA K			77591 COOPER RD	STANFIELD	OR	97875
4N293300001900	COOPER JERRY L & PAMELA K			77591 COOPER RD	STANFIELD	OR	97875
4N293300002000	MILLS DONALD & NITA K			77356 N LOOP RD	STANFIELD	OR	97875
4N293300002100	MILLS BROTHERS LLC			77356 N LOOP RD	STANFIELD	OR	97875
4N293300002200	MILLS BROTHERS LLC	C/O MILLS MINT FARM INC		77356 N LOOP RD	STANFIELD	OR	97875-4542
4N293300002300	MILLS BROTHERS LLC			77356 N LOOP RD	STANFIELD	OR	97875-4542
4N293300002400	GEHRKE MERLE A & PATSY M			34718 OLD HWY 320	ECHO	OR	97826
4N293300002500	WINDBLOWN RANCH INC			32313 OREGON TRAIL RD	ECHO	OR	97826
4N293300002600	WINDY RIVER			822 HWY 395 S #506	HERMISTON	OR	97838-2621
4N293300002700	WINDBLOWN RANCH INC			32313 OREGON TRAIL RD	ECHO	OR	97826

Table F-2. Umatilla County Landowners within 500 feet of Proposed Site Boundary
 Data obtained from Umatilla County on April 17, 2012

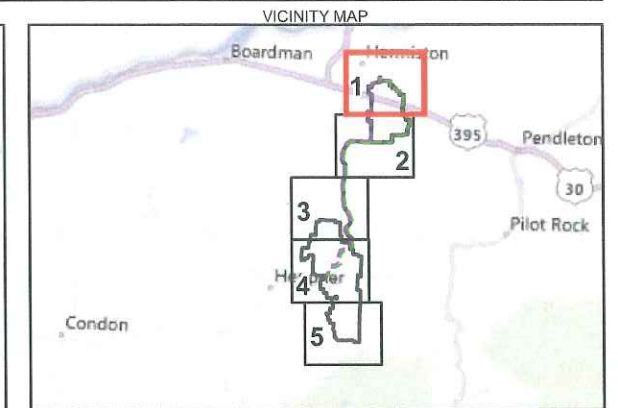
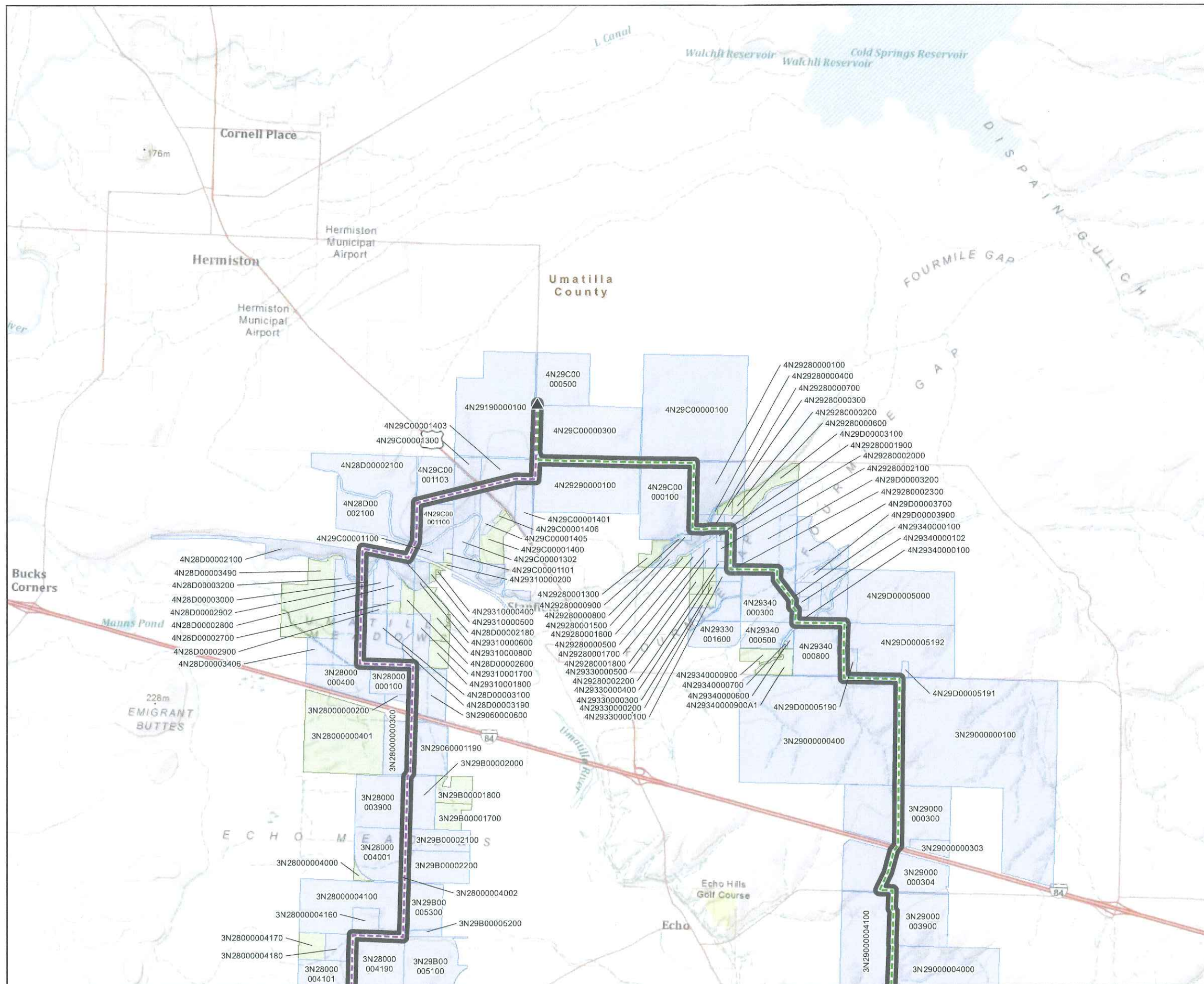
Tax Lot ID	Owner	In Care Of	Agent	Address	City	State	Zip
4N29C00001100	OREGON-WASH RR & NAVIGATION CO	ATTN: CORP TAX		1400 DOUGLAS STOP 1640	OMAHA	NE	68179
4N29C00001103	OREGON-WASH RR & NAVIGATION CO	ATTN: CORP TAX		1400 DOUGLAS STOP 1640	OMAHA	NE	68179
4N29C00001300	LOYALTA INC			5120 NE ALAMEDA	PORTLAND	OR	97213
4N29C00001302	OREGON-WASH RR & NAVIGATION CO	ATTN: CORP TAX		1400 DOUGLAS STOP 1640	OMAHA	NE	68179
4N29C00001401	CASPER JAMES H & DONNA C (TRS)			8620 SE PETTICOAT HILL	VANCOUVER	WA	98664
4N29C00001403	KOESTER STEVEN R & CARI L			1980 NW 11TH ST	HERMISTON	OR	97838
4N29C00001405	PEECO LLC			PO BOX 249	ECHO	OR	97826
4N29D00003200	MILLS DONALD & NITA K	C/O MILLS MINT FARM INC		77356 N LOOP RD	STANFIELD	OR	97875
4N29D00003700	MILLS BROTHERS LLC			77356 N LOOP RD	STANFIELD	OR	97875-4542
4N29D00003900	MCQUIN DAVID C			80754 CRAIG RD	HERMISTON	OR	97838
4N29D00005000	GEHRKE MERLE A & PATSY M			34718 OLD HWY 320	ECHO	OR	97826
4N29D00005190	ABERCROMBIE, MARLENE			PO BOX 724	STANFIELD	OR	97875
4N29D00005191	GEHRKE MERLE A & PATSY M			34718 OLD HWY 320	ECHO	OR	97826
4N29D00005192	GEHRKE MERLE A & PATSY M			34718 OLD HWY 320	ECHO	OR	97826-9614

Table F-3. Morrow County Landowners More Than 500 feet Outside the Proposed Site Boundary
Data obtained from Morrow County on April 9, 2012

Tax Lot ID	Owner/Address 1	Owner/Address 2	Owner/Address 3	Owner/Address 4	Owner/Address 5
0452802d-00200	CRUSON, RONALD L &	CRUSON, MELODI S	81093 ELK TRAIL LN	HEPPNER, OR 97836-6291	
0452802d-00300	GILL, JON B &	GILL, MARY K	PO BOX 1065	HERMISTON, OR 97838	
0452802d-00400	CORBIN, TERRY GENE &	CORBIN, LINDA LUELLA	PO BOX 529	HEPPNER, OR 97836	
0452802d-00700	REISIG, KENNETH C & DENISE A	21906 S TONYA CT	BEAVERCREEK, OR 97004		
0452802d-00800	BLACK MT WATER DIST & IMP CO	PO BOX 1013	HEPPNER, OR 97836-1013		
0452802d-00900	HEBENER, BRIAN T	3837 N PALMER DR	COEUR D ALENE, ID 83815-8028		
0452802d-01000	RIEHL, THEODORE M &	RIEHL, JOHN M &	RIEHL, DOUGLAS E		
0452811-00100	DOW, JOSEPH H & MARCIA A	57703 MEADOWLARK RD	HEPPNER, OR 97836		
0452811-00101	GRANT, DANIEL J & DIANA F	57709 MEADOWLARK RD	HEPPNER, OR 97836-6323		
0452811-00201	ATTERBERRY, RAYMOND G	18200 REED CIR	SANDY, OR 97055		
0452811aa-00400	MAGOTEAUX DEVELOPMENT, LLC	% MAGOTEAUX, JAMES & JANI	PO BOX 939	UMATILLA, OR 97882-0939	
0452811aa-00500	PETTYJOHN, JERRY &	PETTYJOHN, SHERYL	43581 SW MEADOW DR	PENDLETON, OR 97801	
0452811aa-00600	HEADDING, DANNY J & DONNA R	PO BOX 1165	HERMISTON, OR 97838-1165		
0452811aa-00601	MANLEY, JUDY A	57649 EAGLE RD	HEPPNER, OR 97836		
0452811aa-00800	MATHEWS, FLOYD &	MATHEWS, RUTH	27224 SE ROBINSON RD	CAMAS, WA 98607	
0452811aa-00900	ELLENBERGER, JERALD &	ELLENBERGER, ELLEN	31895 FEEDVILLE RD	STANFIELD, OR 97875	
0452811aa-01000	SHANNON, ROBERT JOSEPH &	SHANNON, TERRY ANN	212 WENATCHEE	UMATILLA, OR 97882	
0452811aa-01100	CARTER, TONI L, 1/6 &	BENNETT, JUNE, 1/6 &	LATHROM, JUDY, 1/6 ETAL	PO BOX 447	HEPPNER, OR 97836
0452811aa-01800	GILLHAM, BETTY D, TRUSTEE	BETTY D GILLHAM TRUST	13533 SE 132ND	CLACKAMAS, OR 97015	
0452811aa-01900	GILLHAM, BETTY D, TRUSTEE	BETTY D GILLHAM TRUST	13533 SE 132ND	CLACKAMAS, OR 97015	
0452811aa-02000	ROPP, VILAS D & DEBORAH G	PO BOX 575	LEXINGTON, OR 97839		
0452811aa-02100	DEZELLE, RAYMOND D &	DEZELLE, JANET D	PO BOX 483	HEPPNER, OR 97836	
0452811aa-02200	HOLM, STANLEY H, JR, TRUSTEE &	HOLM, MARTHA L, TRUSTEE	2311 SE 181ST	PORTLAND, OR 97233	
0452811aa-02300	SEVERNS, THOMAS P &	SEVERNS, LINDA M	81105 COYOTE LN	HEPPNER, OR 97836	
0452811aa-02400	GILLHAM, BETTY D, TRUSTEE	BETTY D GILLHAM TRUST	13533 SE 132ND	CLACKAMAS, OR 97015	
0452811aa-02500	GILLHAM, BETTY D, TRUSTEE	BETTY D GILLHAM TRUST	13533 SE 132ND	CLACKAMAS, OR 97015	
0452811aa-03100	PRICE, RONALD G &	PRICE, PATRICIA F	4513 NE 137TH ST	VANCOUVER, WA 98686	
0452811aa-03200	VOLZ, LORENZ N	PO BOX 22619	MILWAUKIE, OR 97269		
0452811aa-03300	REISIG, STEVEN & HAZEL	7615 SE 114TH CT	PORTLAND, OR 97266-5977		
0452811aa-03400	HOLM, STANLEY H, JR, TRUSTEE &	HOLM, MARTHA L, TRUSTEE	2311 SE 181ST	PORTLAND, OR 97233	
0452811aa-03500	HOLM, STANLEY H, JR, TRUSTEE &	HOLM, MARTHA L, TRUSTEE	2311 SE 181ST	PORTLAND, OR 97233	
0452811aa-03800	KILLION, WILLIAM F &	KILLION, GENEVIEVE E	9730 SW 163RD AVE	BEAVERTON, OR 97007	
0452811aa-03801	TOEDEMEIER, JOSEPH &	TOEDEMEIER, BARBARA	6401 SE 159TH DR	PORTLAND, OR 97236	
0452811aa-04100	HARVEY, DEWEY C	PO BOX 919	HEPPNER, OR 97836		

Table F-4. Umatilla County Landowners More Than 500 feet Outside the Proposed Site Boundary
 Data obtained from Umatilla County on April 17, 2012

Tax Lot ID	Owner	In Care Of	Agent	Address	City	State	Zip
2N280000000500	EAGLE RANCH			32327 OREGON TRAIL RD	ECHO	OR	97826
2N28000001700	HALE FARMS LLC			73120 HWY 207	ECHO	OR	97826-9019
2N280000003400	LUCIANI GEORGE J & BEATRICE			76763 BUTTERCREEK RD	ECHO	OR	97826-9046
3N280000000401	HOPPER PAT(LE)ETAL 50%ETAL50%	C/O HOPPER PAT M		PO BOX 38	ADAMS	OR	97810
3N280000004000	CORREA DAVID M & SUE E			31777 ANDREWS RD	ECHO	OR	97826
3N280000004170	DOUBLE M RANCH INC			PO BOX 38	ADAMS	OR	97810
3N28240000100	RAY STEPHANIE			PO BOX 360	ECHO	OR	97826
3N28240000400	MOFFIT JOHN C & KRISTI			PO BOX 54	ECHO	OR	97826
3N290000008600	CAPLINGER C & GUTENSOHN J & LAVENDER W			75228 COPPINGER LN	ECHO	OR	97826-9615
3N290000009000	RAMOS SAMUELJ (TRS)	C/O HARRIS JOANNE RAMOS		34890 RIETH RD	ECHO	OR	97826
3N29000011000	STANFIELD IRRIG DIST			100 W COE AVE	STANFIELD	OR	97875
3N29000011100	RAMOS SAMUELJ (TRS)	C/O HARRIS JOANNE RAMOS		34890 RIETH RD	ECHO	OR	97826
3N29000011200	BORK HERBERT C & MADENE			823 SW 2ND	PENDLETON	OR	97801
3N29B00001700	SPIKE RANCH INC			PO BOX 8	ECHO	OR	97826
3N29B00001800	SPIKE RANCH INC			PO BOX 8	ECHO	OR	97826
4N28D00002600	BARBER EARL L & CONNIE J			PO BOX 961	BURNS	OR	97720
4N28D00002700	MUELLER FRANK N			PO BOX 38	ADAMS	OR	97810
4N28D00003490	HOPPER PATRICIA A	DOUBLE M RANCH INC (AGT)		PO BOX 38	ADAMS	OR	97810-0038
4N29280000200	MILLS MARVIN G	C/O MILLS MINT FARM INC		77356 N LOOP RD	STANFIELD	OR	97875
4N29280000300	ANDERSON BRIAN K			33542 GEIST ST	STANFIELD	OR	97875
4N29280000400	HENSAL WILLIAM M & MARY KATHERINE			33480 COLLINS LN	STANFIELD	OR	97875
4N29280000900	WINDBLOWN RANCH INC			32313 OREGON TRAIL RD	ECHO	OR	97826
4N29280001300	ANDERSON LAND & LIVESTOCK			49603 MCKAY CRK RD	PILOT ROCK	OR	97868
4N29280001600	FLEMMER MICHAEL & MARCIA A			77710 N ASH RD	STANFIELD	OR	97875
4N29280001800	HARTINGER GARY D & VIOLET M			77784 N ASH RD	STANFIELD	OR	97875
4N29310000200	OREGON-WASH RR & NAVIGATION CO	ATTN: CORP TAX		1400 DOUGLAS STOP 1640	OMAHA	NE	68179
4N29310000400	OREGON-WASH RR & NAVIGATION CO	ATTN: CORP TAX		1400 DOUGLAS #STOP 1640	OMAHA	NE	68179
4N29310000500	OREGON-WASH RR & NAVIGATION CO	ATTN: CORP TAX		1400 DOUGLAS STOP 1640	OMAHA	NE	68179
4N29310000800	MUELLER STEPHEN			915 E PINE AVE	HERMISTON	OR	97838
4N29310001800	DOUBLE M RANCH INC			PO BOX 38	ADAMS	OR	97810
4N29330000200	MILLS MINT FARM INC			77356 N LOOP RD	STANFIELD	OR	97875
4N29330000300	MILLS MINT FARM INC			77356 N LOOP RD	STANFIELD	OR	97875-4542
4N29330000400	HOUK BENNIE L & PEGGY			77841 N ASH RD	STANFIELD	OR	97875
4N29330000500	BRATLIE DANIEL K & RHONDA			77657 N ASH RD	STANFIELD	OR	97875
4N29340000700	MILLS BROTHERS LLC			77356 N LOOP RD	STANFIELD	OR	97875-4542
4N29340000900	MILLS BROTHERS LLC			77356 N LOOP RD	STANFIELD	OR	97875-4542
4N29340000900A1	MILLS MINT FARM INC			77356 N LOOP RD	STANFIELD	OR	97875
4N29C00001101	OREGON-WASH RR & NAVIGATION CO	ATTN: CORP TAX		1400 DOUGLAS STOP 1640	OMAHA	NE	68179
4N29C00001400	ZENITH DEVELOPMENT LLC			2490 GARLICK BLVD #302	RICHLAND	WA	99354
4N29C00001406	PEECO LLC			PO BOX 249	ECHO	OR	97826
4N29D000003100	MILLS BROTHERS LLC			77356 N LOOP RD	STANFIELD	OR	97875-4542



LEGEND

- Site Boundary
- Proposed Turbine
- Proposed Substation
- Proposed BPA Substation
- Proposed 230-kV Transmission Line (Route 1)
- Proposed 230-kV Transmission Line (Route 2)
- Morrow County Tax Lot within 500 feet
- Morrow County Tax Lot outside 500 feet to be Notified
- Umatilla County Tax Lot within 500 feet
- Umatilla County Tax Lot outside 500 feet to be Notified
- County Boundary

Notes:

1. In addition to landowners within 500 feet, the Applicant has identified in green and orange landowners beyond 500 feet for purposes of notification.
2. Morrow County tax lot data obtained on April 9, 2012. Umatilla County tax lot data obtained on April 17, 2012.
3. Main Map Background Source: USGS, FAO, NPS, EPA, ESRI, DeLorme, TANA, other suppliers.

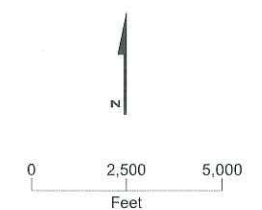
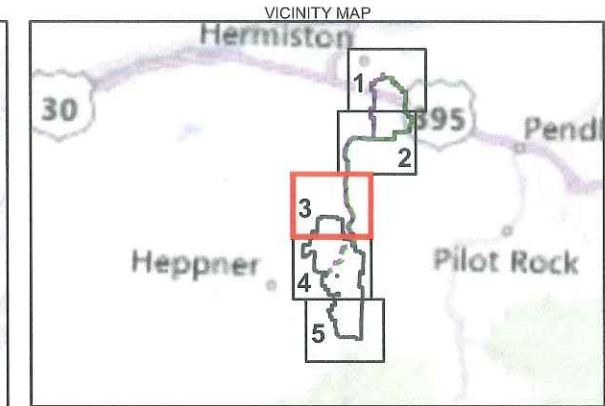
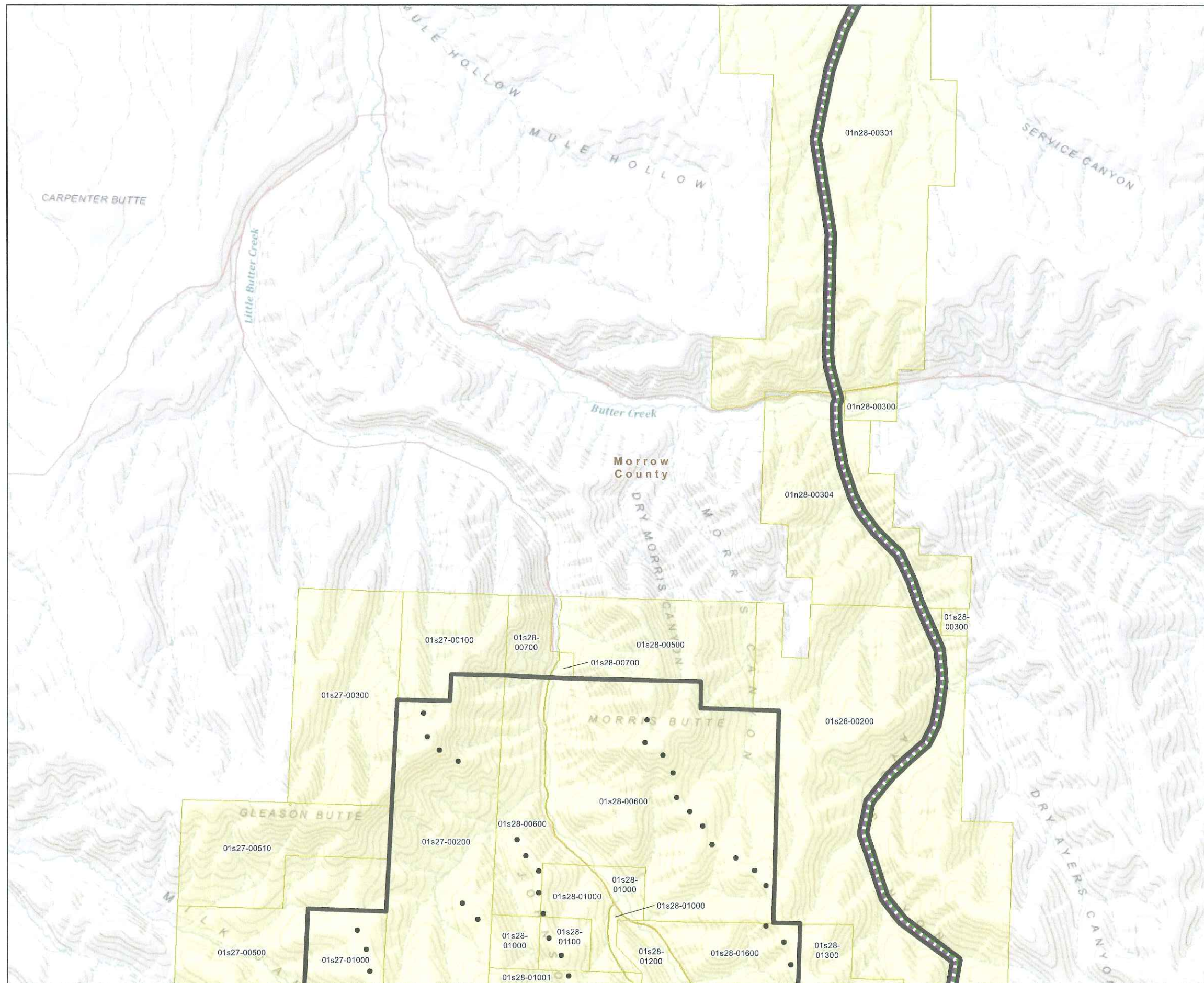


FIGURE F-1
Morrow and Umatilla County
Landowners within 500 feet
of Proposed Site Boundary
Page 1 of 5

Heppner Wind Energy Facility
 Notice of Intent

Invenergy
CH2MHILL.



- LEGEND**
- Site Boundary
 - Proposed Turbine
 - Proposed Substation
 - Proposed BPA Substation
 - Proposed 230-kV Transmission Line (Route 1)
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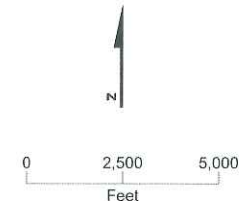
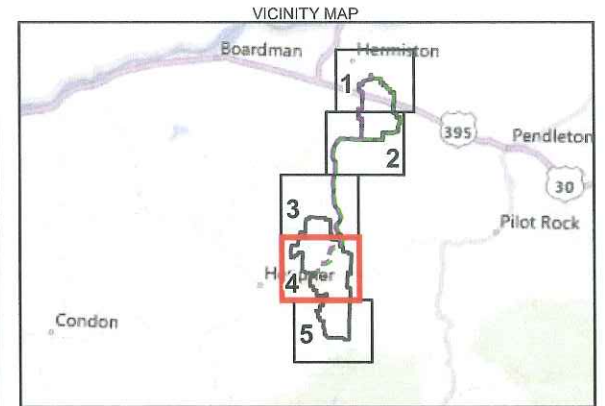
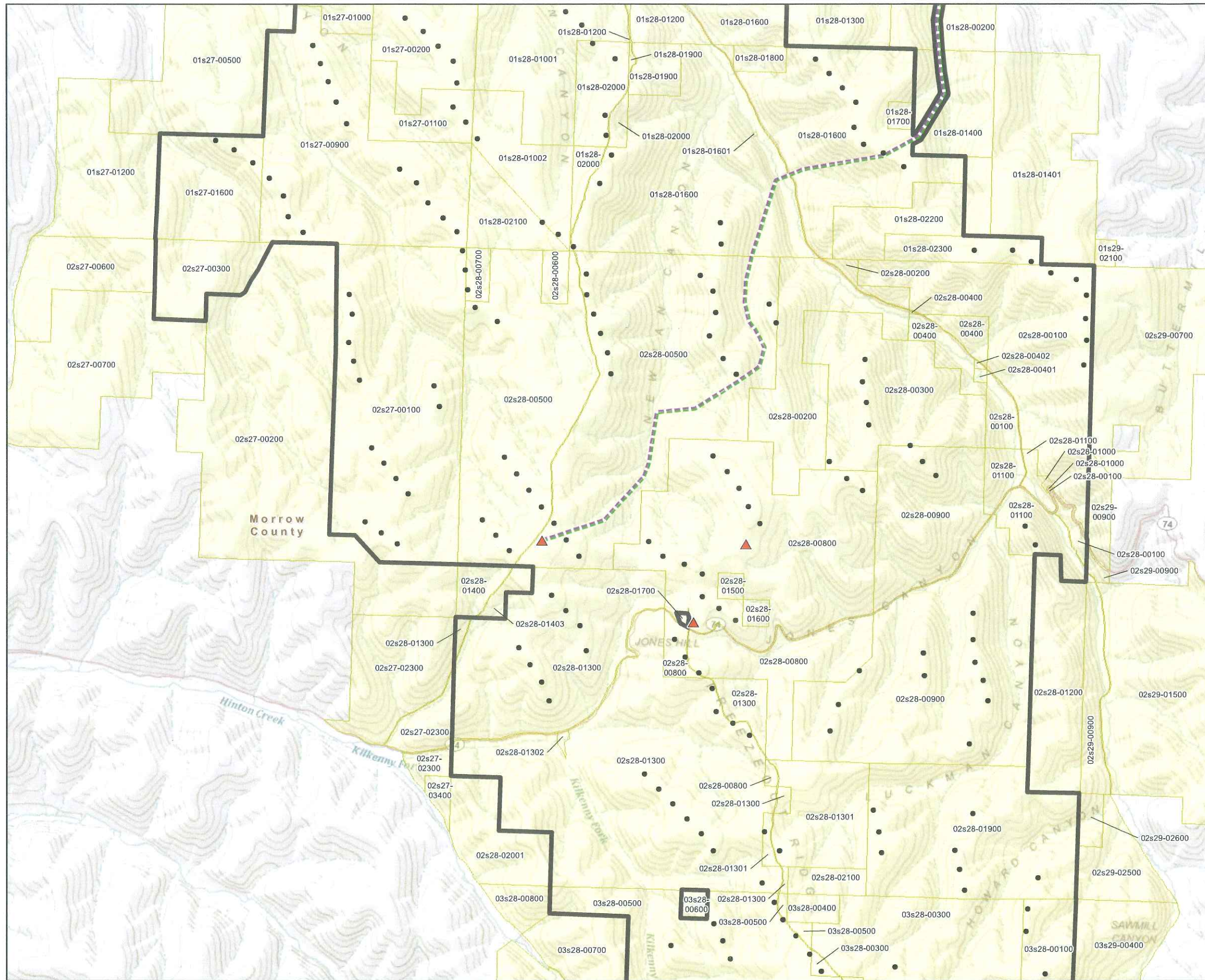


FIGURE F-1
Morrow and Umatilla County
Landowners within 500 feet
of Proposed Site Boundary
Page 3 of 5
 Heppner Wind Energy Facility
 Notice of Intent





- LEGEND**
- Site Boundary
 - Proposed Turbine
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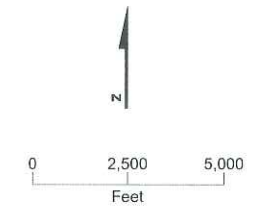
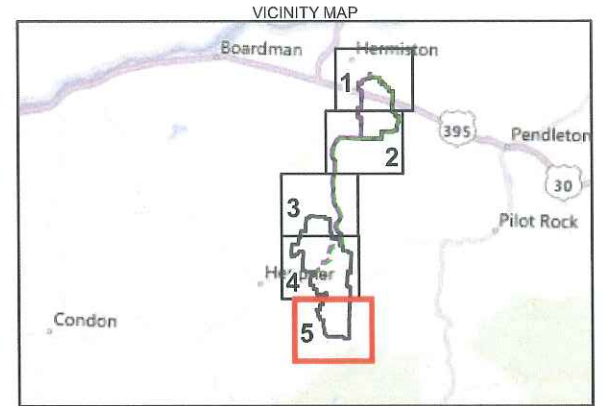
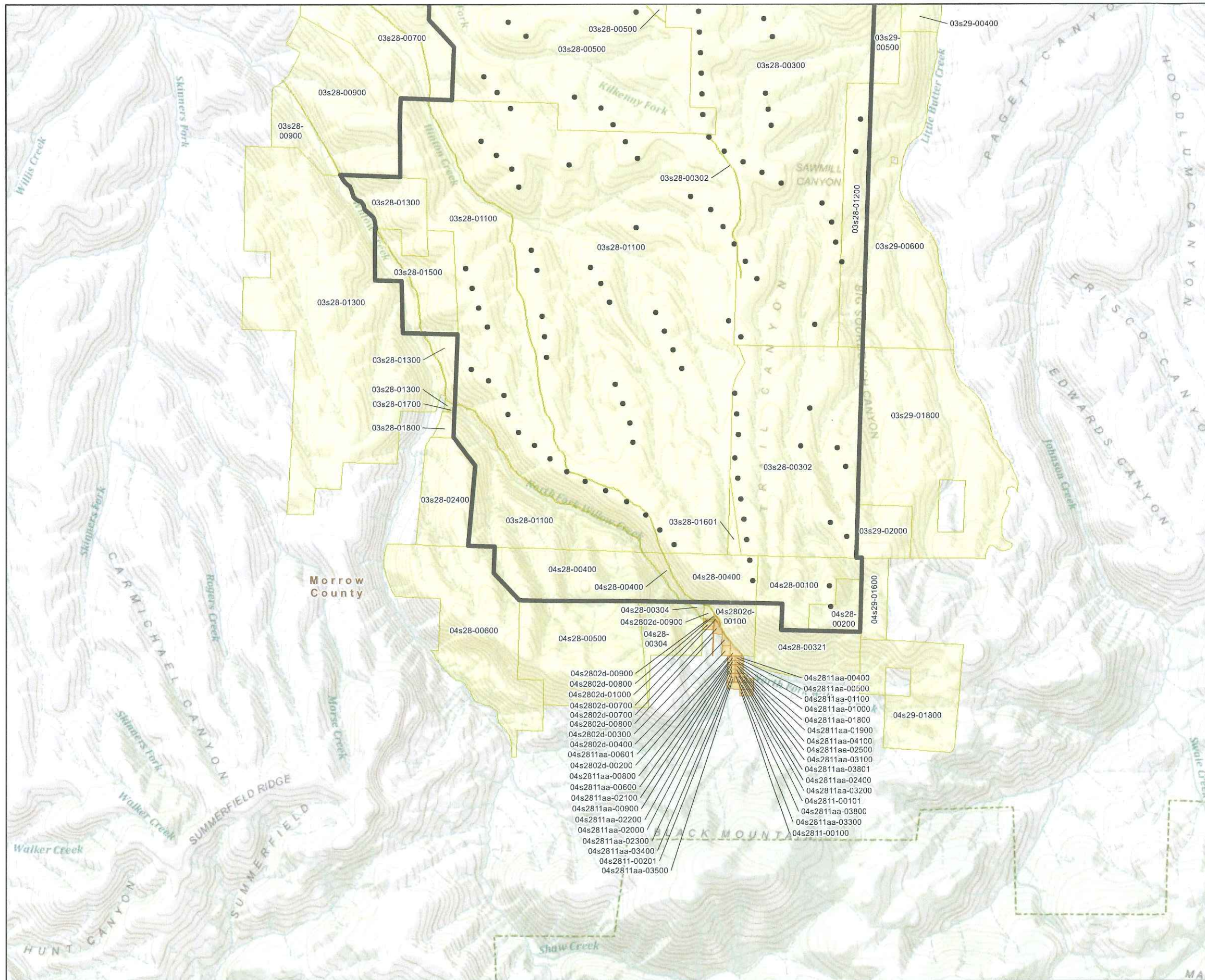


FIGURE F-1
Morrow and Umatilla County
Landowners within 500 feet
of Proposed Site Boundary
 Page 4 of 5
 Heppner Wind Energy Facility
 Notice of Intent





- LEGEND**
- Site Boundary
 - Proposed Turbine
 - Proposed Substation
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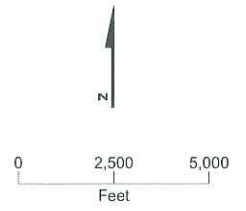
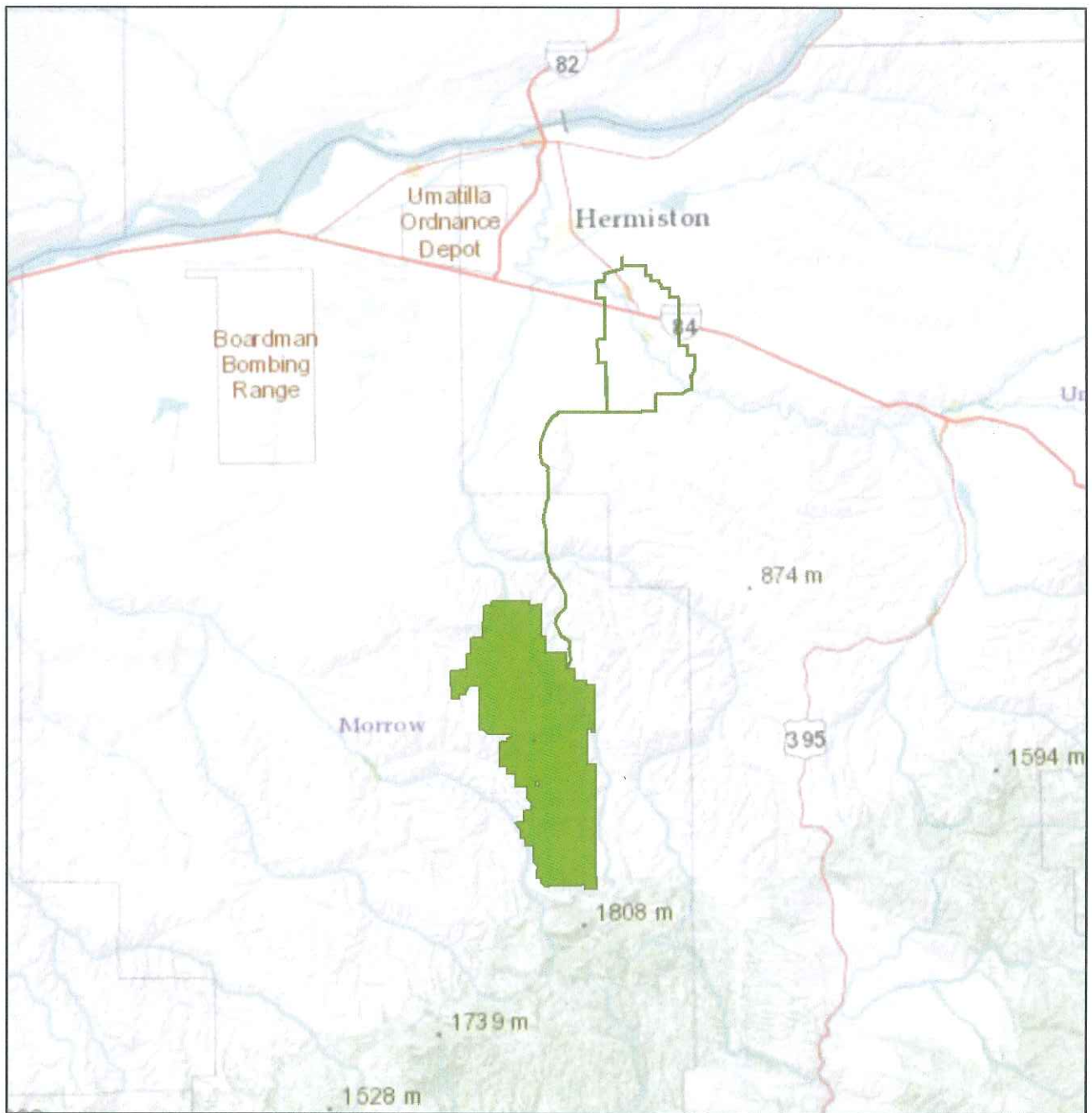


FIGURE F-1
Morrow and Umatilla County
Landowners within 500 feet
of Proposed Site Boundary
Page 5 of 5
 Heppner Wind Energy Facility
 Notice of Intent

ATTACHMENT G
Figures Referenced in Exhibit G

Figure G-1 Vicinity Map
Figure G-2 Facility Layout
Figure G-3 Study Area Boundaries
Figure G-4 Protected Areas
Figure G-5 National Wetland Inventory Map



OVERVIEW MAP

LEGEND
 Site Boundary

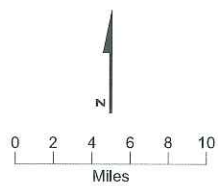
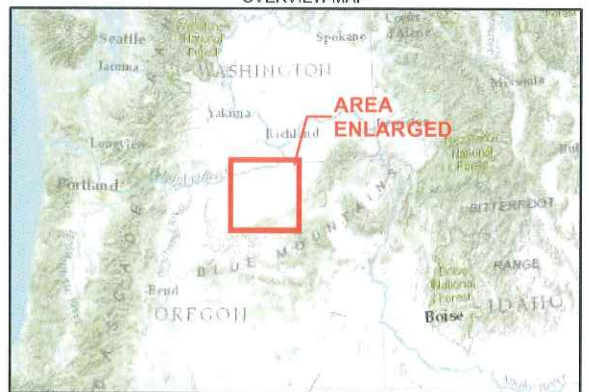


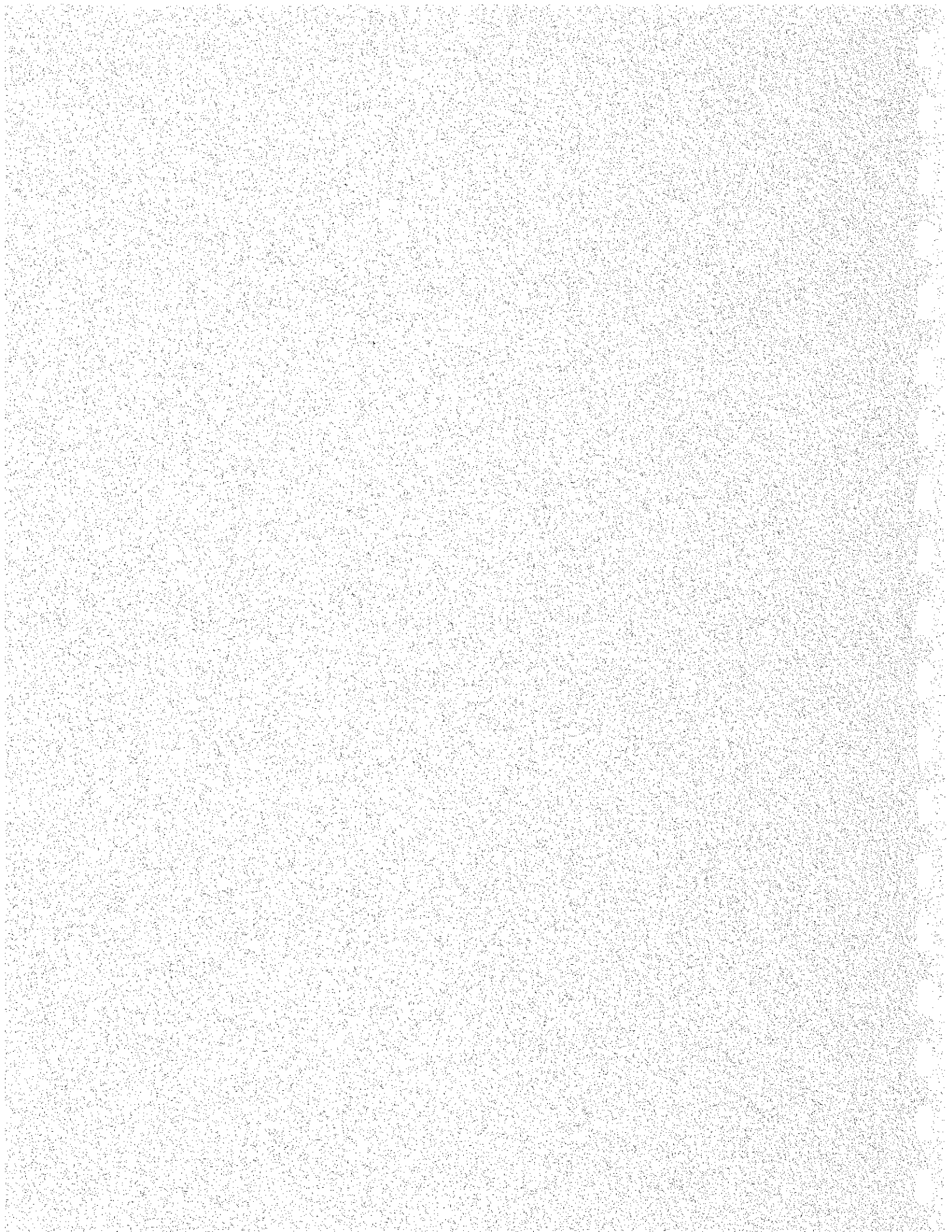
FIGURE G-1
Regional Vicinity Map
 Heppner Wind Energy Facility
 Notice of Intent

Base Map Sources: USGS, FAO, NPS, EPA, ESRI, DeLorme, TANA, other suppliers (http://goto.arcgisonline.com/maps/World_Topo_Map)

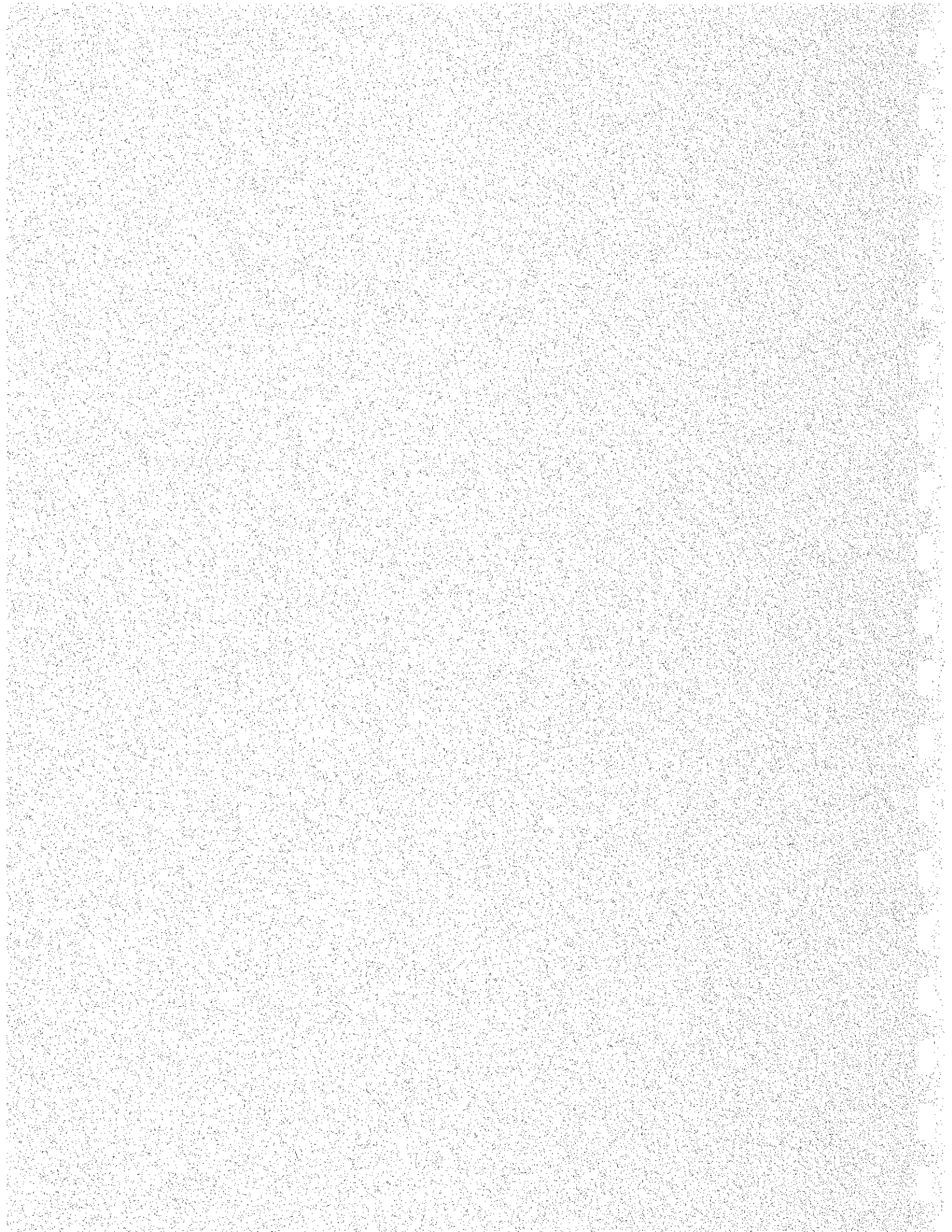
Invenergy
CH2MHILL.

ATTACHMENT J
Species Lists

- J-1 U.S. Fish and Wildlife Service Species List for Morrow County*
- J-2 U.S. Fish and Wildlife Service Species List for Umatilla County*
- J-3 Oregon Biodiversity Information Center Species List Response Letter*



ATTACHMENT J-1
U.S. Fish and Wildlife Service Species
Lists for Morrow County



FEDERALLY LISTED, PROPOSED, CANDIDATE SPECIES
AND SPECIES OF CONCERN
UNDER THE JURISDICTION OF THE FISH AND WILDLIFE SERVICE
WHICH MAY OCCUR WITHIN MORROW COUNTY, OREGON

PROPOSED SPECIES

None

No Proposed Endangered Species
No Proposed Threatened Species

PE
PT

CANDIDATE SPECIES

Mammals

Terrestrial:

Washington ground squirrel

Urocyon v. washingtoni

SPECIES OF CONCERN

Mammals

Silver-haired bat
Small-footed myotis bat
Long-eared myotis bat
Yuma myotis bat

Lasiurus noctivagus
Myotis ciliolabrum
Myotis evotis
Myotis yumanensis

Birds

Northern goshawk
Western burrowing owl
Ferruginous hawk
Olive-sided flycatcher
Willow flycatcher
Yellow-breasted chat
Lewis' woodpecker
Mountain quail
White-headed woodpecker

Accipiter gentilis
Athene cunicularia hypugaea
Buteo regalis
Contopus cooperi
Empidonax traillii adastus
Icteria virens
Melanerpes lewis
Oreortyx pictus
Picoides albolarvatus

Reptiles and Amphibians

Northern sagebrush lizard

Sceloporus graciosus graciosus

Fish

Marginated sculpin
Pacific lamprey

Cottus marginatus
Lampetra tridentata

Plants

Robinson's onion
Laurence's milk-vetch

Allium robinsonii
Astragalus collinus var. laurentii

DELISTED SPECIES

Birds

**FEDERALLY LISTED, PROPOSED, CANDIDATE SPECIES
AND SPECIES OF CONCERN
UNDER THE JURISDICTION OF THE FISH AND WILDLIFE SERVICE
WHICH MAY OCCUR WITHIN MORROW COUNTY, OREGON**

American Peregrine falcon
Bald eagle

Falco peregrinus anatum
Haliaeetus leucocephalus

Definitions:

Listed Species: An endangered species is one that is in danger of extinction throughout all or a significant portion of its range. A threatened species is one that is likely to become endangered in the foreseeable future.

Proposed Species: Taxa for which the Fish and Wildlife Service or National Marine Fisheries Service has published a proposal to list as endangered or threatened in the Federal Register.

Candidate Species: Taxa for which the Fish and Wildlife Service has sufficient biological information to support a proposal to list as endangered or threatened.

Species of Concern: Taxa whose conservation status is of concern to the U.S. Fish and Wildlife Service (many previously known as Category 2 candidates), but for which further information is still needed. Such species receive no legal protection and use of the term does not necessarily imply that a species will eventually be proposed for listing.

Delisted Species: A species that has been removed from the Federal list of endangered and threatened wildlife and plants.

Key:

E Endangered
T Threatened
CH Critical Habitat has been designated for this species
PE Proposed Endangered
PT Proposed Threatened
PCH Critical Habitat has been proposed for this species

Notes:

Marine & Anadromous Species: Please consult the National Marine Fisheries Service (NMFS) (<http://www.nmfs.noaa.gov/pr/species/>) for marine and anadromous species. The National Marine Fisheries Service (NMFS) manages mostly marine and anadromous species, while the U.S. Fish and Wildlife Service manages the remainder of the listed species, mostly terrestrial and freshwater species.

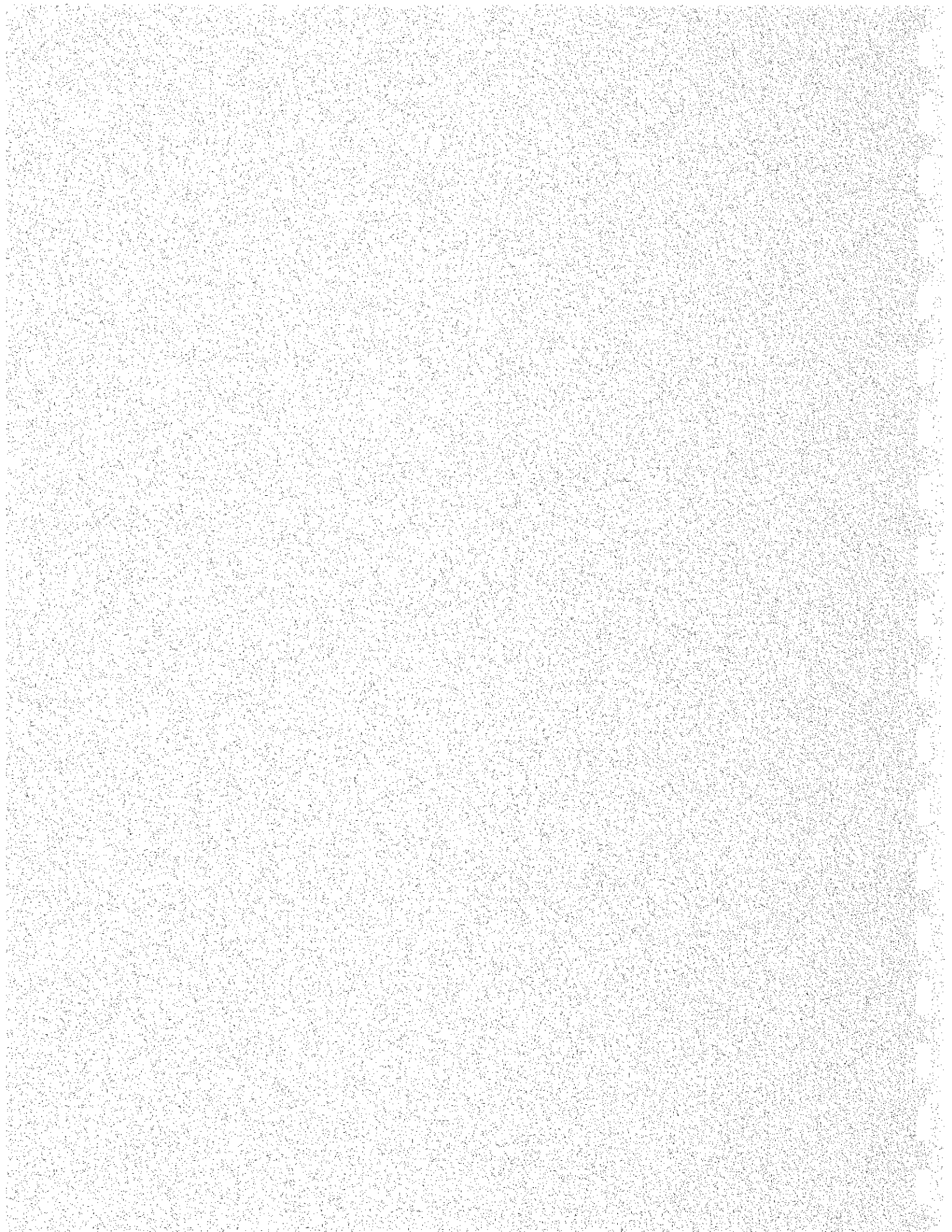
Marine Turtle Conservation and Management: All six species of sea turtles occurring in the U.S. are protected under the Endangered Species Act of 1973. In 1977, NOAA Fisheries and the U.S. Fish and Wildlife Service signed a Memorandum of Understanding to jointly administer the Endangered Species Act with respect to marine turtles. NOAA Fisheries has the lead responsibility for the conservation and recovery of sea turtles in the marine environment and the U.S. Fish and Wildlife Service has the lead for the conservation and recovery of sea turtles on nesting beaches. For more information, see the NOAA Fisheries webpage on sea turtles <http://www.nmfs.noaa.gov/pr/species/turtles/>.

Gray Wolf: In 2008, the Service published a final rule that established a distinct population segment of the gray wolf (*Canis lupis*) in the northern Rocky Mountains (which includes a portion of Eastern Oregon, east of the centerline of Highway 395 and Highway 78 north of Burns Junction and that portion of Oregon east of the centerline of Highway 95 south of Burns Junction). Any wolves found west of this line in Oregon belong to the

**FEDERALLY LISTED, PROPOSED, CANDIDATE SPECIES
AND SPECIES OF CONCERN
UNDER THE JURISDICTION OF THE FISH AND WILDLIFE SERVICE
WHICH MAY OCCUR WITHIN MORROW COUNTY, OREGON**

conterminous USA population [see 73 FR 10514]. On May 5, 2011, the Fish and Wildlife Service published a final rule – as directed by legislative language in the Fiscal Year 2011 appropriations bill – reinstating the Service's 2009 decision to delist biologically recovered gray wolf populations in the Northern Rocky Mountains. Gray wolves in Oregon are State-listed as endangered, regardless of location.

ATTACHMENT J-2
U.S. Fish and Wildlife Service Species
Lists for Umatilla County



FEDERALLY LISTED, PROPOSED, CANDIDATE SPECIES
AND SPECIES OF CONCERN
UNDER THE JURISDICTION OF THE FISH AND WILDLIFE SERVICE
WHICH MAY OCCUR WITHIN UMATILLA COUNTY, OREGON

LISTED SPECIES

Fish

Inland:

Bull trout

Salvelinus confluentus

CH T

PROPOSED SPECIES

None

No Proposed Endangered Species

PE

No Proposed Threatened Species

PT

CANDIDATE SPECIES

Mammals

Terrestrial:

Washington ground squirrel

Urocitellus washingtoni

North American wolverine

Gulo gulo luscus

SPECIES OF CONCERN

Mammals

Pallid bat

Antrozous pallidus pacificus

Townsend's western big-eared bat

Corynorhinus townsendii townsendii

Silver-haired bat

Lasionycteris noctivagans

Small-footed myotis bat

Myotis ciliolabrum

Long-eared myotis bat

Myotis evotis

Long-legged myotis bat

Myotis volans

Yuma myotis bat

Myotis yumanensis

Preble's shrew

Sorex preblei

Birds

Northern goshawk

Accipiter gentilis

Tricolored blackbird

Agelaius tricolor

Western burrowing owl

Athene cunicularia hypugaea

Upland sandpiper

Bartramia longicauda

Ferruginous hawk

Buteo regalis

Olive-sided flycatcher

Contopus cooperi

Willow flycatcher

Empidonax traillii adastus

Yellow-breasted chat

Icteria virens

Lewis' woodpecker

Melanerpes lewis

Mountain quail

Oreortyx pictus

White-headed woodpecker

Picoides albolarvatus

Reptiles and Amphibians

Northern sagebrush lizard

Sceloporus graciosus graciosus

**FEDERALLY LISTED, PROPOSED, CANDIDATE SPECIES
AND SPECIES OF CONCERN
UNDER THE JURISDICTION OF THE FISH AND WILDLIFE SERVICE
WHICH MAY OCCUR WITHIN UMATILLA COUNTY, OREGON**

Fish

Margined sculpin
Pacific lamprey

Cottus marginatus
Lampetra tridentata

Plants

Robinson's onion
Laurence's milk-vetch
Dwarf evening-primrose
Sessile mousetail
Douglas' clover

Allium robinsonii
Astragalus collinus var. laurentii
Camissonia pygmaea
Myosurus sessilis
Trifolium douglasii

DELISTED SPECIES

Birds

American Peregrine falcon
Bald eagle

Falco peregrinus anatum
Haliaeetus leucocephalus

Definitions:

Listed Species: An endangered species is one that is in danger of extinction throughout all or a significant portion of its range. A threatened species is one that is likely to become endangered in the foreseeable future.

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Candidate Species: Taxa for which the Fish and Wildlife Service has sufficient biological information to support a proposal to list as endangered or threatened.

Species of Concern: Taxa whose conservation status is of concern to the U.S. Fish and Wildlife Service (many previously known as Category 2 candidates), but for which further information is still needed. Such species receive no legal protection and use of the term does not necessarily imply that a species will eventually be proposed for listing.

Delisted Species: A species that has been removed from the Federal list of endangered and threatened wildlife and plants.

Key:

E Endangered
T Threatened
CH Critical Habitat has been designated for this species
PE Proposed Endangered
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PCH Critical Habitat has been proposed for this species

Notes:

**FEDERALLY LISTED, PROPOSED, CANDIDATE SPECIES
AND SPECIES OF CONCERN
UNDER THE JURISDICTION OF THE FISH AND WILDLIFE SERVICE
WHICH MAY OCCUR WITHIN UMATILLA COUNTY, OREGON**

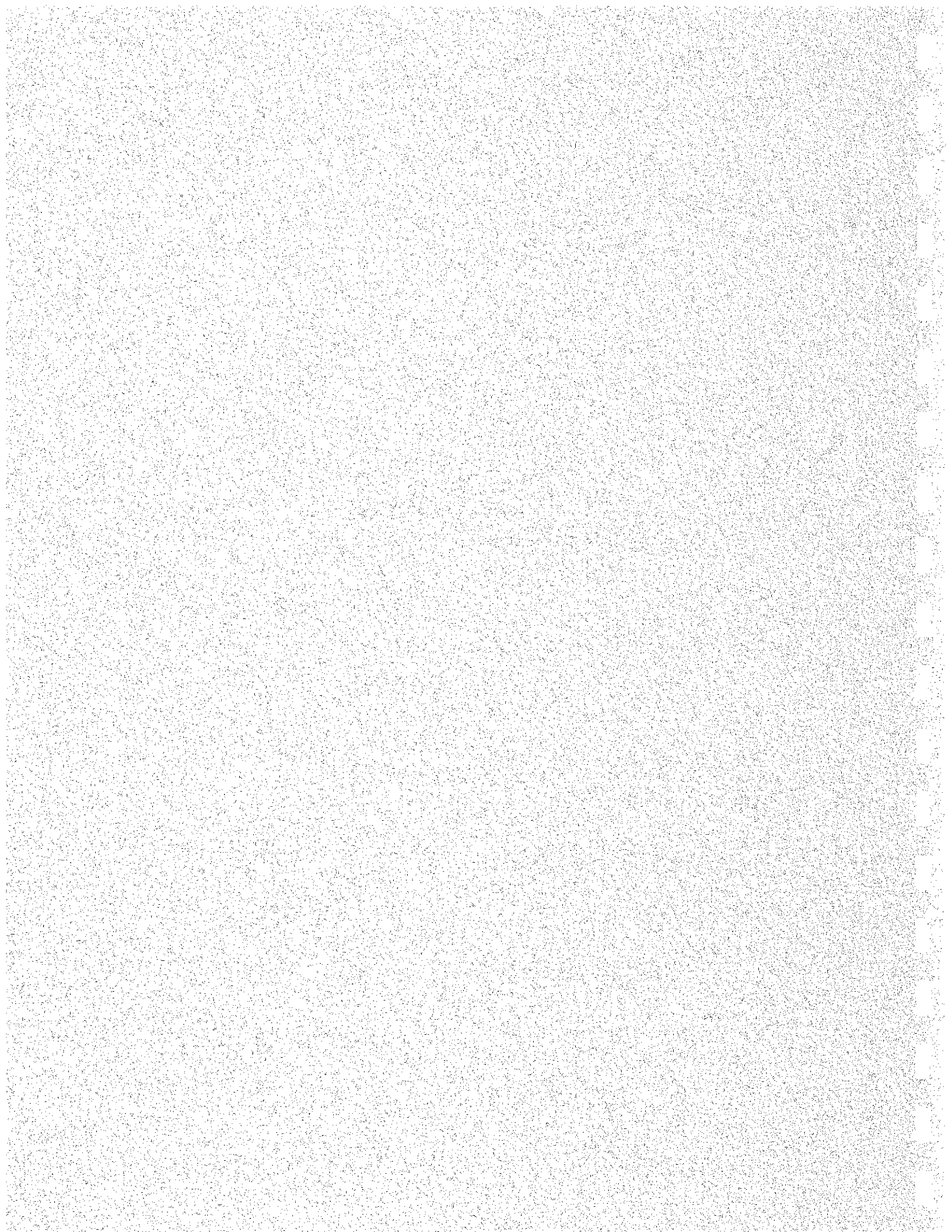
Marine & Anadromous Species: Please consult the National Marine Fisheries Service (NMFS) (<http://www.nmfs.noaa.gov/pr/species/>) for marine and anadromous species. The National Marine Fisheries Service (NMFS) manages mostly marine and anadromous species, while the U.S. Fish and Wildlife Service manages the remainder of the listed species, mostly terrestrial and freshwater species.

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Gray Wolf: In 2008, the Service published a final rule that established a distinct population segment of the gray wolf (*Canis lupis*) in the northern Rocky Mountains (which includes a portion of Eastern Oregon, east of the centerline of Highway 395 and Highway 78 north of Burns Junction and that portion of Oregon east of the centerline of Highway 95 south of Burns Junction). Any wolves found west of this line in Oregon belong to the conterminous USA population [see 73 FR 10514]. On May 5, 2011, the Fish and Wildlife Service published a final rule – as directed by legislative language in the Fiscal Year 2011 appropriations bill – reinstating the Service's 2009 decision to delist biologically recovered gray wolf populations in the Northern Rocky Mountains. Gray wolves in Oregon are State-listed as endangered, regardless of location.

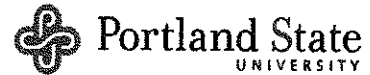
ATTACHMENT J-3

**Oregon Biodiversity Information Center
Species List Response Letter**



OREGON BIODIVERSITY INFORMATION CENTER

Institute for Natural Resources



Mail Stop: INR
Post Office Box 751
Portland, Oregon 97207
503.725.9950
<http://orbic.pdx.edu>

June 21, 2011

Deron Lawrence
CH2M Hill
9193 South Jamaica Street
Englewood, CO 80112

Dear Mr. Lawrence:

Thank you for requesting information from the Oregon Biodiversity Information Center (ORBIC). We have conducted a data system search for rare, threatened and endangered plant and animal records for your Heppner (#421524.01) Project in Morrow and Umatilla Counties.

Sixty-seven (67) element occurrence records were noted within a five-mile radius of your project and are included on the enclosed computer printout. GIS shapefiles of the dataset are also included.

This database search has returned records of Golden Eagle nests that originated with the US Fish and Wildlife Service, which makes the following disclaimers regarding this information:

1. No warranty is made by US Fish & Wildlife Service as to the accuracy, reliability or completeness of these data for individual or aggregate use with other data. Original data were compiled from various sources. The information may not meet National Map Accuracy Standards. This project was developed through digital means and may be updated without notification.
2. Golden eagle nest location data presented here is not intended for land use planning and analysis purposes and should be considered draft. Location data is provided solely for use in developing an inventory strategy intended to determine precise nest locations and develop a breeding population estimate for Oregon.
3. The data were based on reports from others, often second or third-hand interpretations from files, rather than original field work.
4. This data reflects only those nest sites that were reported through 2010.
5. The locations were described inconsistently, often covered large areas such as a square mile, and were not field-verified for accuracy.
6. Statewide coverage was unknown. There was no systematic survey of the landscape. Locations were gathered opportunistically or as part of local projects. Consequently, the absence of a location on the map does not mean that there was not a golden eagle nest in the area.
7. Current nest locations within breeding areas may be different from those portrayed on the maps, especially tree nests which are more ephemeral than cliff nests.
8. The nest use data were not collected annually or following an accepted protocol. Consequently, summaries or comparisons have little value.

For more information contact Jeff Everett, Renewable Energy Biologist, at the US Fish and Wildlife Service; jeff_everett@fws.gov or 503-231-6952.

Please remember that a lack of rare element information from a given area does not necessarily indicate there are no significant elements present, only that there is no information known to us from the site. To ensure there are no significant elements present that may be affected by your project, you should inventory the site during the appropriate season.

This data is confidential and for the specific purposes of your project and is **not to be distributed**. Please also note that as our database is continually updated, the data in this report should be considered current for a maximum of one year from the date it was generated and should not be cited thereafter.

Please forward the included invoice to the appropriate party in your organization for payment.

If you need additional information or have any further questions, please do not hesitate to contact me.

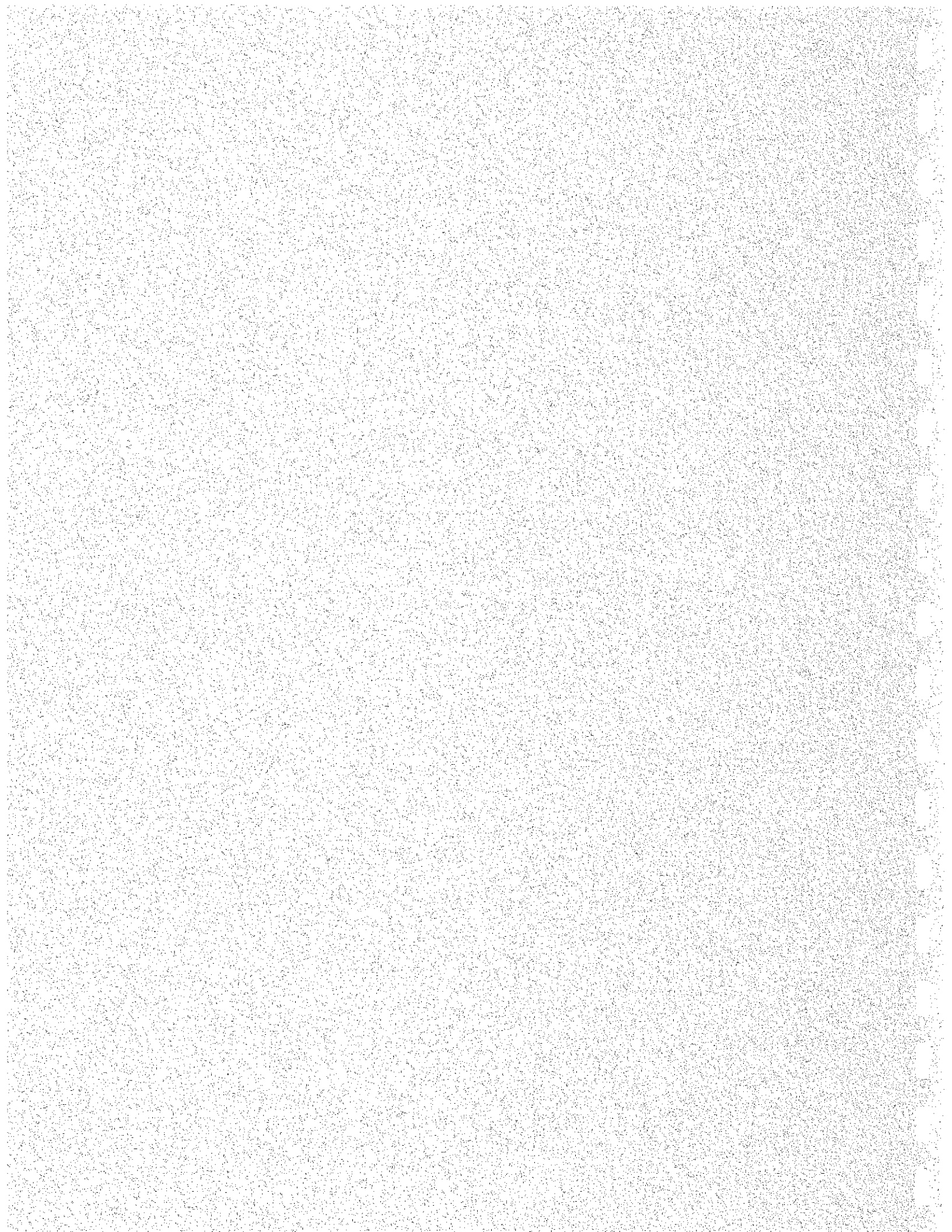
Sincerely,

A handwritten signature in black ink, appearing to read 'Cliff Alton', with a long horizontal flourish extending to the right.

Cliff Alton
Conservation Information Assistant
cliff.alton@pdx.edu
503.725.9952

encl.: **invoice (H-062111-CWA01)**
computer printout and data key
shapefiles

ATTACHMENT P
**Letter to Legislative Commission on
Indian Services**



Invenergy

July 18, 2011

Karen Quigley
Executive Director
Legislative Commission on Indian Services
167 State Capitol
Salem, OR 97310-1347

Subject: Proposed Wind Power Facility in Morrow and Umatilla Counties, Oregon

Dear Ms. Quigley:

Invenergy Wind Development LLC (Applicant) is proposing to construct a wind power facility (Facility) in Morrow and Umatilla counties, Oregon. The proposed Facility site is bordered to the west by Oregon State Highway 207 North/74 West and extends approximately 30 miles to the east. The southern extent of the Facility boundary is located approximately 5 miles east of the City of Heppner and extends approximately 40 miles to the north. The Facility will be located on approximately 140,000 acres of private land.

The Applicant will conduct cultural resource file searches at the State Historic Preservation Office (SHPO) and field surveys of the proposed site boundary. However, the tribes may have knowledge of cultural resources not recorded with SHPO. In accordance with OAR 345-020-0011(1)(p), the Applicant respectfully requests your assistance in identifying appropriate tribes to consult with regarding the proposed Facility's possible effects on Indian historic and cultural resources. Once the Applicant has knowledge of locations of cultural importance to the tribes, these locations can be accommodated.

Sincerely,



Thomas D. Metzger
Senior Development Manager

From: Quigley Karen M [<mailto:karen.m.quigley@state.or.us>]
Sent: Monday, November 28, 2011 7:10 PM
To: Seidell, Nichole/PDX
Subject: RE: Heppner Wind Energy Project

Hello Nichole,

I assume The Confederated Tribes of Umatilla will be the lead Tribe for this project and I am glad to hear consultation with CTUIR has already been initiated, but I would like to suggest you also contact the Confederated Tribes of Warm Springs about this wind power facility project in Morrow and Umatilla counties.

Thank you,
Karen Quigley
Executive Director
Oregon Legislative Commission on Indian Services

From: Nichole.Seidell@ch2m.com [<mailto:Nichole.Seidell@ch2m.com>]
Sent: Monday, November 28, 2011 3:57 PM
To: karen.m.quigley@state.or.us
Subject: Heppner Wind Energy Project

Hi Karen,

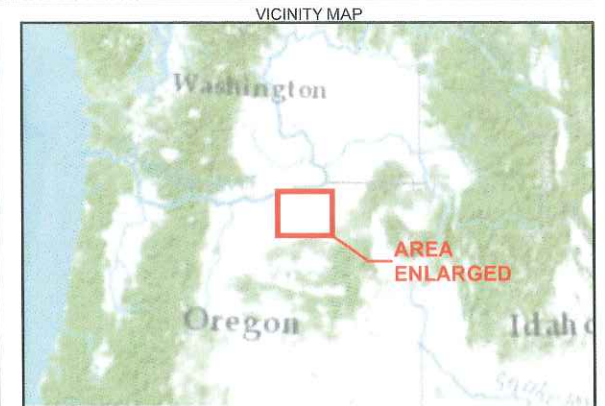
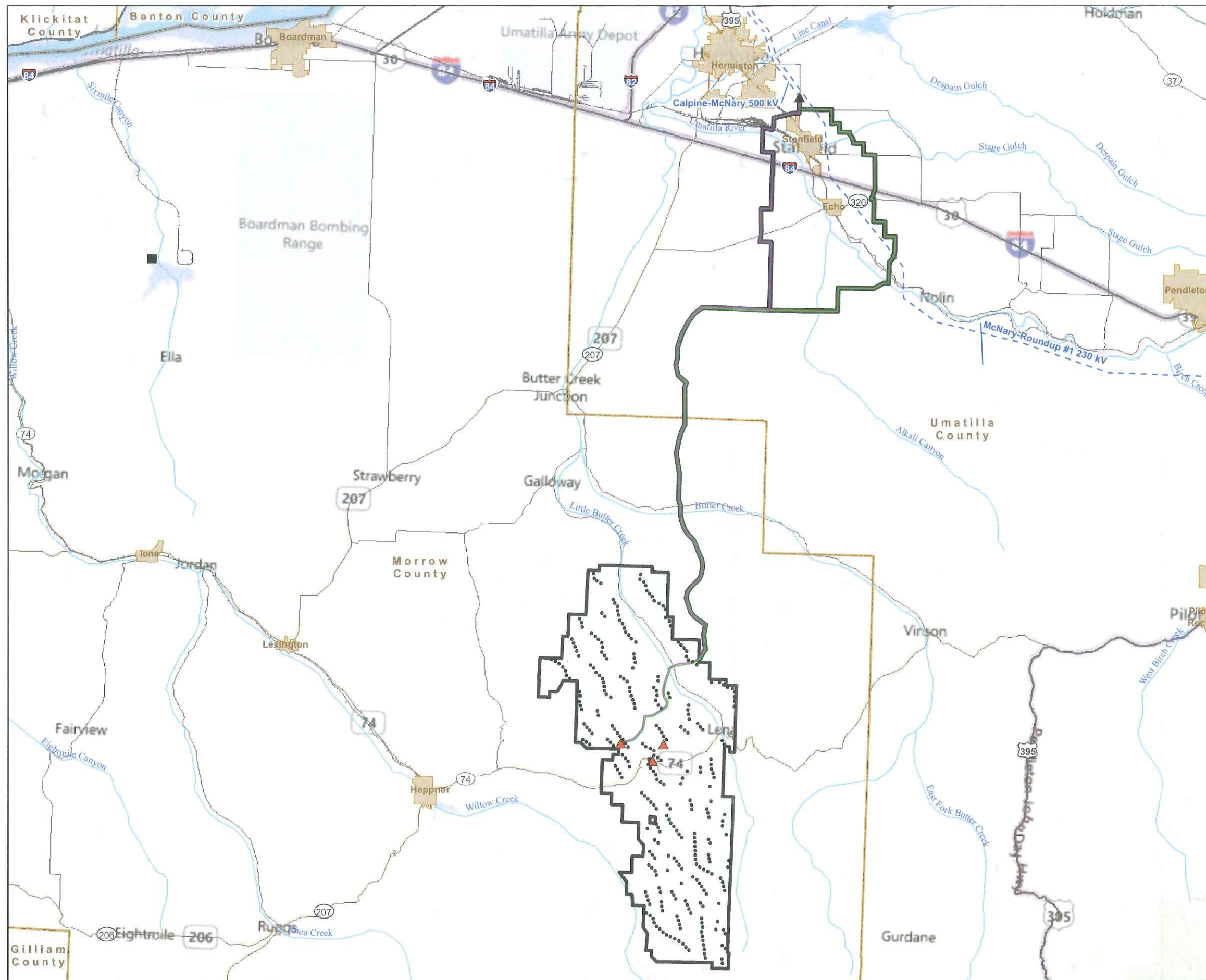
Per our phone discussion, please find the letter which we sent to the wrong address in July. We apologize for any inconvenience. A site map is also attached for your reference.

The Applicant will conduct cultural resource file searches at the State Historic Preservation Office (SHPO) and field surveys of the proposed site boundary. However, the tribes may have knowledge of cultural resources not recorded with SHPO. In accordance with OAR 345-020-0011(1)(p), the Applicant respectfully requests your assistance in identifying appropriate tribes to consult with regarding the proposed Facility's possible effects on Indian historic and cultural resources. Once the Applicant has knowledge of locations of cultural importance to the tribes, these locations can be accommodated.

Please feel free to call if you have any questions.

Thank you,

Nichole Seidell
CH2M HILL
2020 SW Fourth Ave
Portland, OR 97201
503.329.2543 (cell)
503.872.4803 (office)
503.736.2000 (fax)
nseidell@ch2m.com



LEGEND

- Site Boundary
- Proposed Turbine
- Proposed Substation
- Proposed BPA Substation
- Proposed PGE Grasslands Substation
- Proposed 230-kV Transmission Line (Route 1)
- Proposed 230-kV Transmission Line (Route 2)
- Existing Transmission Line
- Highway
- Major Road
- Railroad
- River
- Water
- City Limit
- County Boundary
- State Boundary

Notes:

1. Turbine locations approximate.
2. Turbine layout based upon assumed 1.62MW turbine.
3. Main Map Background Source: Bing Maps

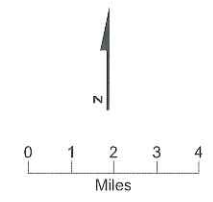
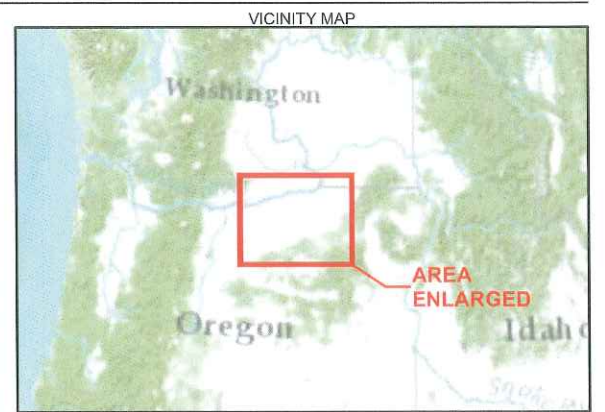


FIGURE G-2
Facility Layout
 Heppner Wind Energy Facility
 Notice of Intent





- LEGEND**
- Site Boundary
 - Study Area**
 - Land Use and Fish and Wildlife Habitat Area (0.5-mile)
 - Recreational/Threatened and Endangered Species Area (5-mile)
 - Scenic Resources and Public Services Area (10-mile)
 - Protected Area (20-mile)
 - Highway
 - Major Road
 - River
 - Water
 - City Limit
 - County Boundary
 - State Boundary

Note:
1. Main Map Background Source: National Geographic Society

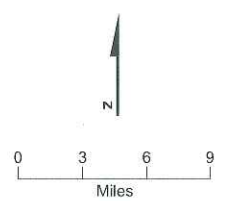
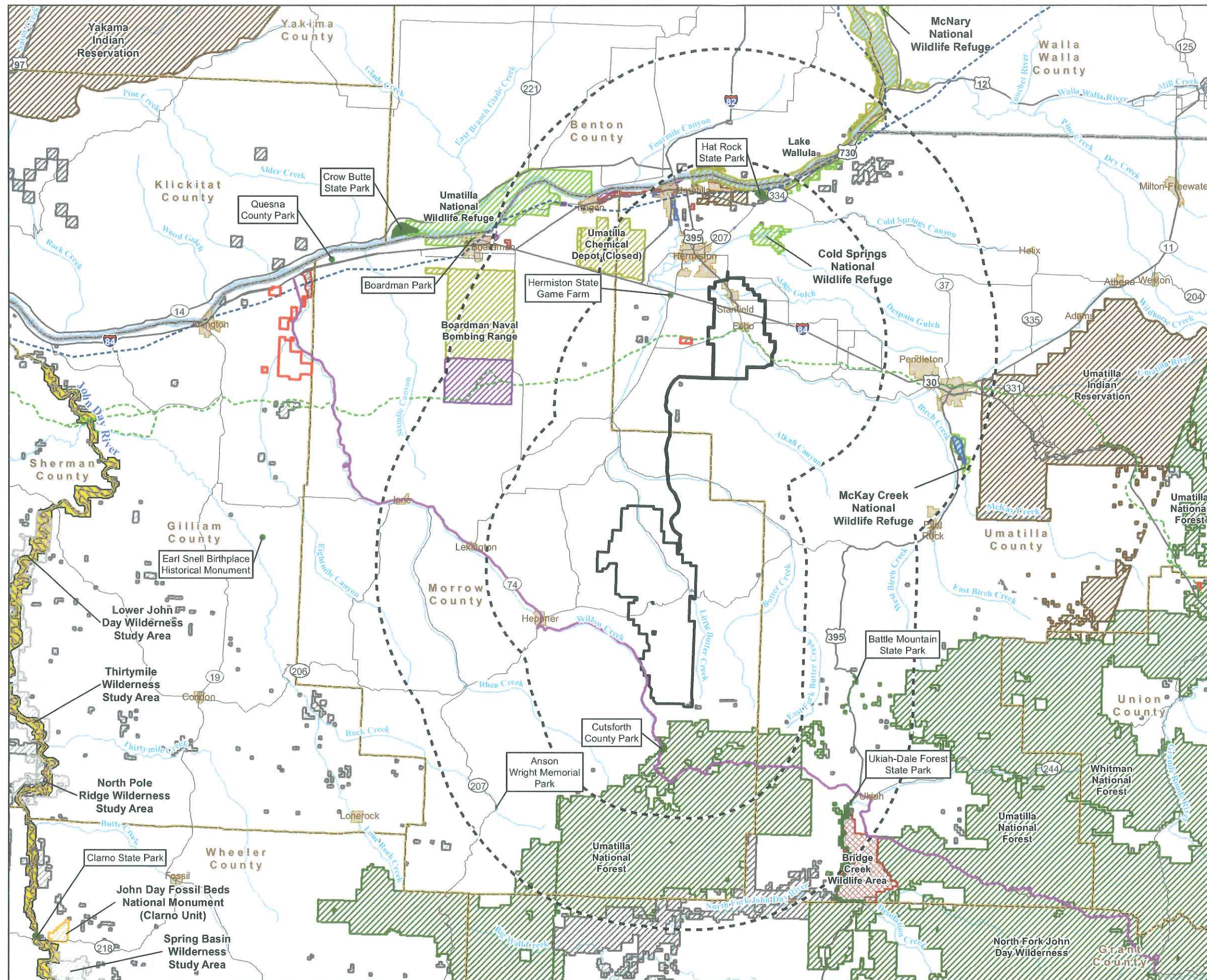


FIGURE G-3
Study Area Boundaries
Heppner Wind Energy Facility
Notice of Intent





- LEGEND**
- Site Boundary
 - Protected Areas Study Area (20-mile)
 - Oregon Scenic Byway
 - Lewis and Clark Trail
 - Oregon Trail
 - State or County Park
 - Wild and Scenic River (WSR)
 - Areas of Critical Environmental Concern (ACEC)
 - National Monument
 - Wilderness Study Area
 - Wildlife Management Area
- Federal Lands**
- Bureau of Indian Affairs
 - Bureau of Land Management
 - Bureau of Reclamation
 - Department of Defense
 - US Army Corps of Engineers
 - US Fish and Wildlife Service
 - US Forest Service
- Other Symbols**
- Highway
 - Major Road
 - River
 - Water
 - City Limit
 - County Boundary
 - State Boundary

- Notes:**
1. Parks Data Source: U.S. Geological Survey, Oregon Parks and Recreation Department
 2. Scenic Byway Data Source: Oregon Department of Transportation
 3. Trails Data Source: National Park Service
 4. ACEC Data Source: Bureau of Land Management
 5. Wildlife Management Area Data Source: Oregon Dept. of Fish and Wildlife
 6. Recreational Area and Federal Lands Data Source: Environmental Systems Research Institute (ESRI)

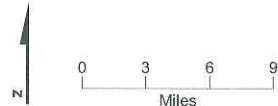
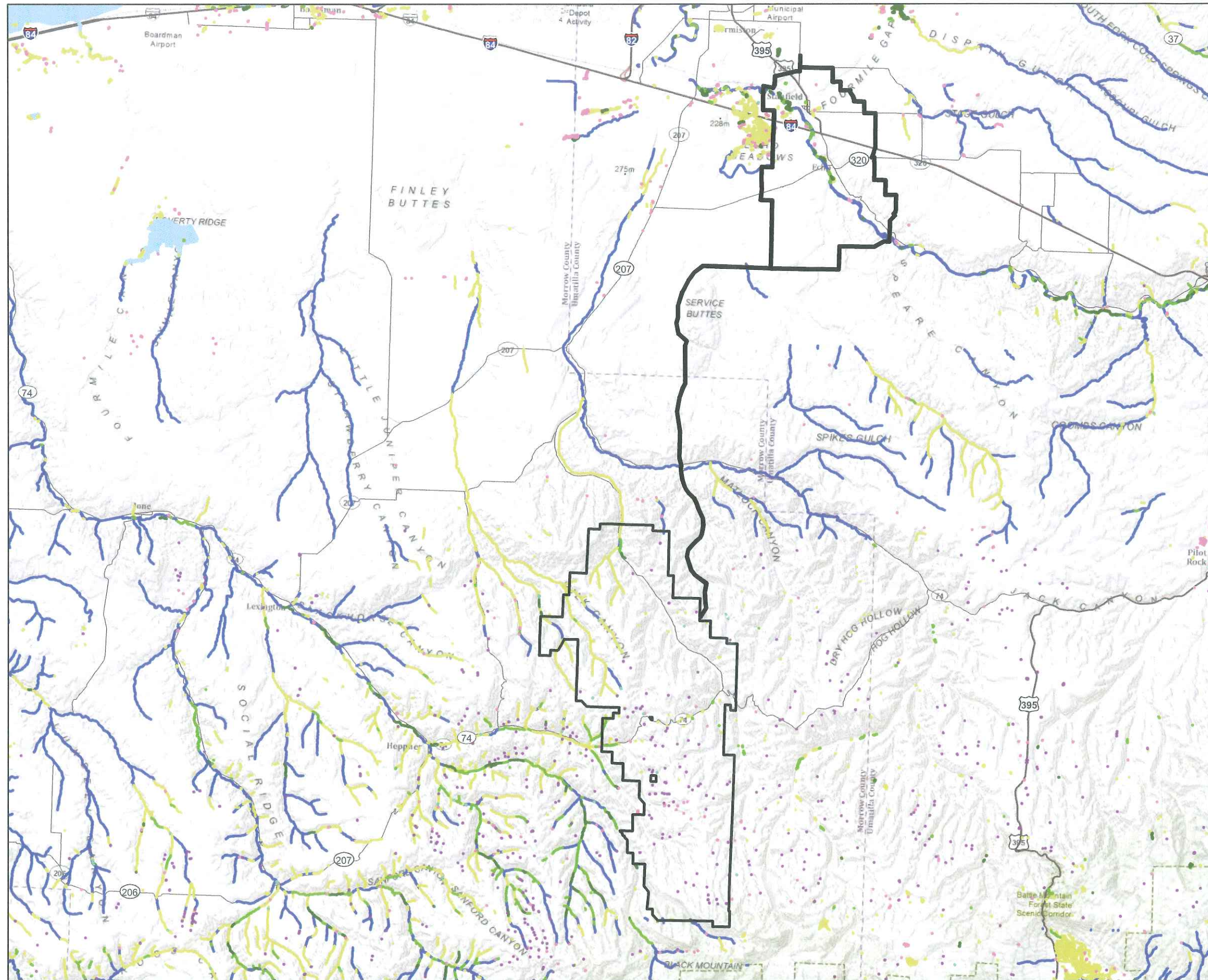


FIGURE G-4
Protected Areas
 Heppner Wind Energy Facility
 Notice of Intent



- LEGEND**
- Site Boundary
 - Oregon Wetland Cover-NWI Wetland**
 - Lake (L)
 - Palustrine Aquatic Bed (PAB)
 - Palustrine Emergent (PEM)
 - Palustrine Forested (PFO)
 - Palustrine Scrub-Shrub (PSS)
 - Palustrine Unconsolidated Bottom (PUB)
 - Palustrine Unconsolidated Shore (PUS)
 - Riverine (R)
 - Highway
 - Major Road

Notes:

1. Main Map Background Source: USGS, FAO, NPS, EPA, ESRI, DeLorme, TANA, other suppliers
2. Wetland Data Source: National Wetlands Inventory

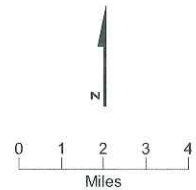


FIGURE G-5
National Wetlands
Inventory
 Heppner Wind Energy Facility
 Notice of Intent