Request for Amendment #1 for the Wheatridge Renewable Energy Facility East

Prepared for

NEXTera® ENERGY RESOURCES

Prepared by

TETRA TECH

May 2023

This page intentionally left blank

Table of Contents

List of Tables

List of Graphics

List of Figures

List of Attachments

Acronyms and Abbreviations

ASC	Application for Site Certificate
BESS	battery energy storage system
Certificate Holder	Wheatridge East Wind, LLC
Council	Energy Facility Siting Council
EPA	U.S. Environmental Protection Agency
FAA	Federal Aviation Administration
Facility or WREFE	Wheatridge Renewable Energy Facility East
GE	General Electric
GSU	generator step-up
kV	kilovolt
met tower	meteorological tower
MW	megawatts
NextEra	NextEra Energy Resources, LLC
O&M	operations and maintenance
OAR	Oregon Administrative Rules
ODOE	Oregon Department of Energy
RFA	Request for Amendment
RSA	rotor swept area
SCADA	Supervisory Control and Data Acquisition
UEC	Umatilla Electric Cooperative
WAGS	Washington ground squirrel
WREF	Wheatridge Renewable Energy Facility
WREFII	Wheatridge Renewable Energy Facility II
WREFIII	Wheatridge Renewable Energy Facility III
WWEF	Wheatridge Wind Energy Facility

1.0 Introduction

1.1 Project Summary and Request

NextEra Energy Resources, LLC (NextEra), on behalf of its wholly-owned subsidiary Wheatridge East Wind, LLC (Certificate Holder), is submitting a Request for Amendment (RFA) 1 to the Site Certificate for the Wheatridge Renewable Energy Facility East (Facility or WREFE). WREFE was split from the overall Wheatridge Renewable Energy Facilities Site Certificate in November 2020, making it the fourth Wheatridge facility, with three Wheatridge renewable energy facilities constructed and currently in operation[1].

The approved WREFE Site Certificate includes permitted corridors of approximately 4,582 acres (i.e., the Approved Site Boundary and approved wind micrositing corridors) on almost 42,000 acres of leased lands, to support wind energy production with a peak generating capacity of up to 200 megawatts (MW). The Facility, as approved, includes up to 66 wind turbines, including all related and supporting facilities, a substation, a 20-MW battery energy storage system (BESS), and an up to 31.5 mile 230-kilovolt (kV) transmission line interconnecting WREFE to the Blue Ridge Substation.

The primary purpose of RFA 1 is to add renewable energy generating capacity by amending the Approved Site Boundary and approved wind micrositing corridors to accommodate a 300-MW facility with up to 106 turbines. These proposed changes will maximize the use of the permitted infrastructure of WREFE, the existing Umatilla Electric Cooperative (UEC) transmission line (Green Corridor), and the Blue Ridge Substation. The Certificate Holder has been contracted to deliver the majority of the renewable energy generated by the Facility to customers by the end of 2024, and the Certificate Holder is in commercial discussions for the remainder of the approved 200-MW capacity to be delivered in 2026. Clean energy provided by WREFE will assist the State and the buyers to support their Climate Change and Clean Energy Goals.

1.2 Background and Procedural History

The Facility was initially the Wheatridge East portion of the permitted Wheatridge Wind Energy Facility (WWEF) and, then, the WREFE portion of Wheatridge Renewable Energy Facility II (WREFII). The current WREFE project resulted from a Site Certificate and facility division approved in the Final Order on the Request for Amendment 1 to the Site Certificate[2] for WREFII. WREFE is located approximately 16 miles northeast of Heppner and is in both Morrow and Umatilla counties.

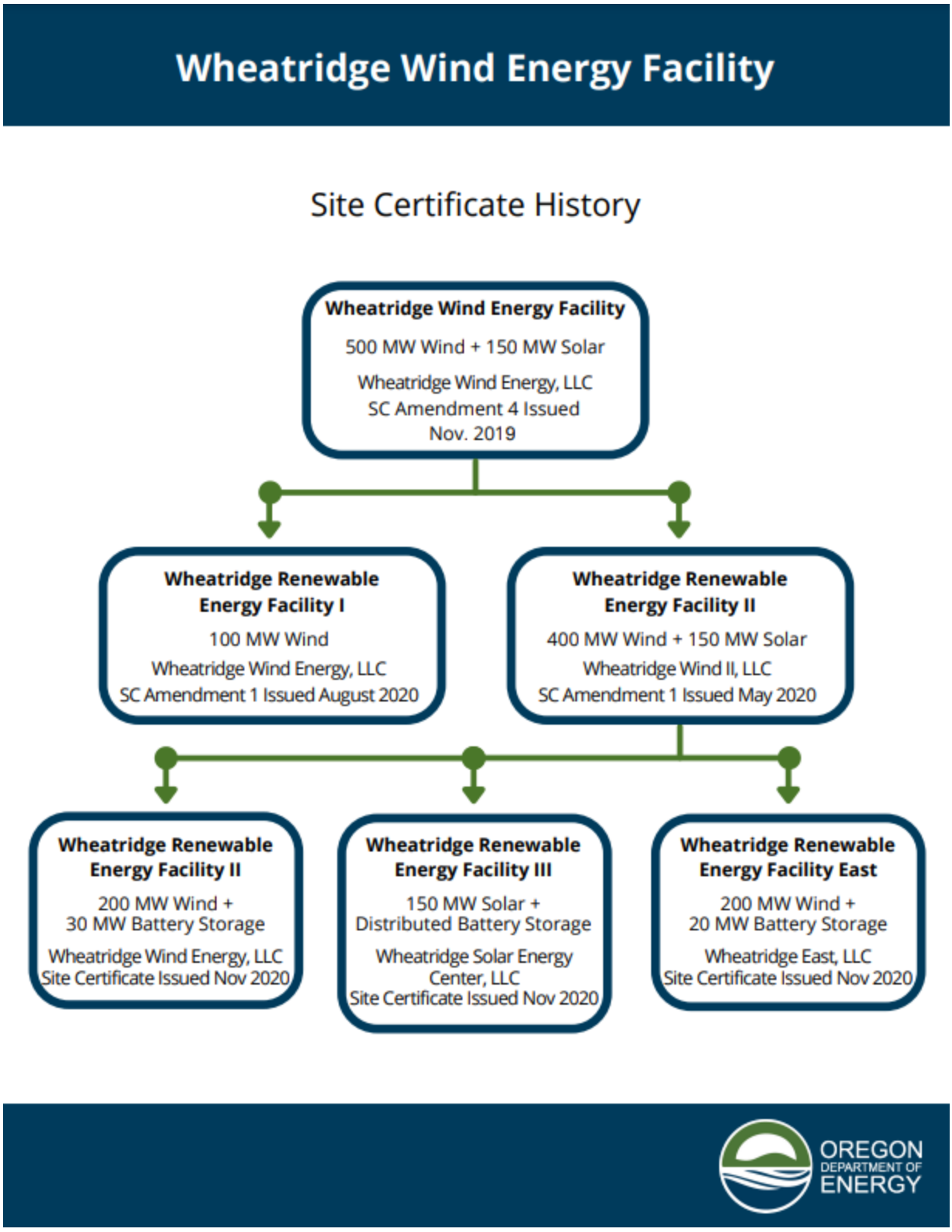
The Site Certificate for WWEF was issued in April 2017 and became effective May 24, 2017. On May 17, 2017, the Certificate Holder provided notice, pursuant to Oregon Administrative Rules (OAR) 345-027-0100(2), to the Oregon Department of Energy (ODOE) of a transfer of ownership of the

[1] Final Order on Request for Amendment 1 to the Site Certificate for the Wheatridge Renewable Energy Facility II (November 2020)
[2] Final Order on Request for Amendment 1 to the Site Certificate for the Wheatridge Renewable Energy Facility II (November 2020)

Certificate Holder. On June 14, 2017, the Certificate Holder filed a Request for Transfer of ownership of the Site Certificate; this was the First Request for Amendment (RFA 1). The following provides a summary of amendments to the Site Certificate.

- The First Amended Site Certificate for WWEF was approved in July 2017 and became effective August 11, 2017.
- The Second Request for Amendment (RFA 2) to add energy storage for WWEF was submitted concurrently to the Third Request for Amendment (RFA 3), to increase the maximum turbine blade tip height. The Second Amended Site Certificate was issued November 16, 2018 and became effective November 29, 2018. The Third Amended Site Certificate was issued December 14, 2018 and became effective February 7, 2019.
- The purpose of the Fourth Request for Amendment (RFA 4) was to add a solar facility. The Fourth Amended Site Certificate became effective November 22, 2019.
- The Fifth Request for Amendment (RFA 5) split WWEF into WREFI and WREFII. The Fifth Amended Site Certificate for WWEF (and the first Site Certificate for WREFII) became effective May 22, 2020.
- WREFII was then split into three facilities, each with their own Site Certificate: WREFII, Wheatridge Renewable Energy Facility III (WREFIII), and WREFE. The Council issued the original Site Certificate for WREFE/the Facility on November 19, 2020; this Site Certificate for WREFE is the subject of this RFA 1.

See Graphic 1 below for a diagram summarization (developed by ODOE) of the Facility's procedural history. Additionally, see Figure 1 for the proposed Facility location as well as any areas of overlap with proposed or operational NextEra facilities (WREF I, WREFII, WREFIII, and Wagon Trail Solar).



Graphic 1. Wheatridge Wind Energy Facility Site Certificate History

2.0 Amendment Required under OAR 345-027-0350 and Review Process under OAR 345-027-0351

OAR 345-027-0350 – Changes Requiring an Amendment

Except for changes allowed under OAR 345-027-0353 of this rule, an amendment to a Site Certificate is required to:

(1) Transfer ownership of the facility or the certificate holder as described in OAR 345-027-0400;

(2) Apply later-adopted law(s) as described in OAR 345-027-0390;

(3) Extend the construction beginning or completion deadline as described in OAR 345-027-0385;

(4) Design, construct or operate a facility in a manner different from the description in the Site Certificate, if the proposed change:

(a) Could result in a significant adverse impact that the Council has not addressed in an earlier order and the impact affects a resource or interest protected by an applicable law or Council standard;

(b) Could impair the certificate holder's ability to comply with a Site Certificate condition; or

(c) Could require a new condition or a change to a condition in the Site Certificate.

The changes the Certificate Holder proposes require an amendment under OAR 345-027-0350 (3), (4)(a) and (c). The proposed changes could result in significant, adverse impacts that the Council has not addressed in an earlier order, and they were not previously addressed by the Council for the Facility. Therefore, these changes require changes to the Facility description and new or modified conditions in the Site Certificate (see Attachment 1). Moreover, the Certificate Holder anticipates that the proposed changes may generate interest from reviewing agencies or from the public. There will also be additional impacts that have not previously been reviewed.

Due to these circumstances, the Certificate Holder assumes the review process for RFA 1 to be Type A. Pursuant to OAR 345-027-0351(2), the Type A review process consists of rules OAR 345-027-0359, OAR 345-027-0360, OAR 345-027-0363, OAR 345-027-0365, OAR 345-027-0367, OAR 345-027-0371, and OAR 345-027-0375.

The requirements of OAR 345-027-0360 are addressed in the following sections and document attachments.

3.0 Certificate Holder Information – OAR 345-027-0360(1)(a)

OAR 345-027-0360 Preliminary Request for Amendment

(1) To request an amendment to the Site Certificate required by OAR 345-027-0050(3) and (4), the certificate holder shall submit a written preliminary request for amendment to the Department of Energy that includes the following:

(a) The name of the facility, the name and mailing address of the certificate holder, and the name, mailing address, email address and phone number of the individual responsible for submitting the request;

3.1 Name of the Facility

The name of the Facility is Wheatridge Renewable Energy Facility East and the Certificate Holder is Wheatridge East Wind, LLC.

3.2 Name and Mailing Address of the Certificate Holder

David Lawlor
Wheatridge East Wind, LLC
FEW/JB
700 Universe Blvd.
Juno Beach, FL 33408
David.Lawlor@nexteraenergy.com

3.3 Current Parent Company of Certificate Holder

NextEra Energy Resources, LLC
FEW/JB
700 Universe Blvd
Juno Beach, FL 33408

Contact Name, Mailing Address, Email Address, and Telephone Number:

Anthony Pedroni
Wheatridge East Wind, LLC
FEW/JB
700 Universe Blvd.
Juno Beach, FL 33408
Anthony.Pedroni@nexteraenergy.com

3.4 Name and Mailing Address of the Individuals Responsible for Submitting the Request

David Lawlor
Director of Development
NextEra Energy Resources, LLC
FEW/JB

700 Universe Blvd
Juno Beach, FL 33408
David.Lawlor@nexteraenergy.com
(403) 689-6285

4.0 Detailed Description of the Proposed Change – OAR 345-027-0360(1)(b)

OAR 345-027-0360 Preliminary Request for Amendment

(1) To request an amendment to the Site Certificate required by OAR 345-027-0350(3) and (4), the certificate holder shall submit a written preliminary request for amendment to the Department of Energy that includes the following:

*****

(b) A detailed description of the proposed change, including:

The Certificate Holder proposes the following changes to the approved Facility as part of RFA 1 (see Table 1); a summary of those changes is provided here, and a detailed project description is provided in Section 4.1.1. Note that Section 4.1.1 provides a detailed cumulative description of Facility infrastructure and thus may address both approved and proposed Facility components, which is designated as applicable.

Table 1. Existing and Proposed Facility Components

Facility Component	Existing	Proposed
Total Generating Capacity	200 MW	300 MW
Site Boundary	4,582 acres	79,424 acres. This includes the existing ~42,000 acres of the existing lease lands and an additional 33,084 acres of new leased lands.
Micrositing Corridors	4,582 acres	15,341 acres
Wind Turbines	66 turbines	106 turbines
Turbine Model	Two turbine options, GE 1.7-103 or 2.5-120	One turbine option, GE 2.82-127 (retaining previously approved maximum turbine height of 152.1 meters)
Electrical Collection System	• 30 miles underground line • 10.8 miles overhead line	• 94.7 miles underground line • No overhead line
BESS	20-MW BESS (5 acres)	30-MW BESS (5 acres)

Facility Component	Existing	Proposed
Transmission Lines	Four transmission line options, 24.5 to 31.5 miles	Two transmission line options, both 26 miles (retaining portions of the previously approved micrositing corridor, located primarily in the eastern corridor, i.e., 21.16 miles of overlap for Transmission Line A and 16.20 miles of overlap for Transmission Line B)
Access Roads	• 20 miles new or improved roads • 24.5 to 31.2 miles of temporary road for the transmission line options	• 64 miles new access roads; no existing road improvements • 26 miles of temporary road for either transmission line option
Substation	One substation (1 to 2 acres)	Two substation options: • Preferred (7 acres) • Alternative (1.5 acres, inclusive of a collocated 5-acre BESS; both the alternative substation and BESS are previously approved)
O&M Building	One O&M Building (1.1 acres)	Share existing O&M building at WREFII
Temporary Construction Yards	• 4 yards (15 to 20 acres each) • One or more temporary concrete batch plants within the yard(s)	• 1 yard (up to 60 acres; flexibility to use 4 previously approved yards if deemed necessary during preconstruction) • One or more temporary concrete batch plants within the yard(s)
Meteorological Towers	5 towers	5 towers

1. **Amend the Site Boundary and add wind micrositing corridors –** The Certificate Holder proposes to add approximately 75,084 acres of land adjacent to the Approved Site Boundary (i.e., micrositing corridors). This includes the existing leased lands of ~42,000 acres and an additional 33,084 acres of new leased lands, equating to approximately 79,424 acres for the new, Amended Site Boundary. This also adds 9,612 acres to the previously approved 5,772-acre wind micrositing corridors. This includes 4,582 acres that were approved with WREFE's micrositing corridors, as well as 1,190 acres of overlap with other, operational Wheatridge facilities. Combined, RFA 1 expands the total WREFE micrositing corridor to 15,341 acres. No turbines will be constructed outside of the wind micrositing corridors. All areas of ground disturbance associated with the Facility will be adequately surveyed for biological and cultural resources before construction and the Certificate Holder will comply with all applicable permit conditions. Section 4.4 provides a description of the amended wind micrositing corridors and the anticipated worst-case scenario impacts associated with RFA 1.

2. **Increase maximum peak generating capacity for the Facility by up to 100 MW, for a total of 300 MW –** As part of integrating additional wind turbines into the Facility, the Certificate Holder proposes to add up to 100 MW to the approved 200 MW wind energy generation facility, for a total Facility generating capacity of up to 300 MW. The efficiency of wind technology is improving rapidly, and as a result, the Certificate Holder is requesting the flexibility to maximize the amount of MW generated within the wind micrositing corridors dependent on the most efficient and effective equipment and layout available at the time of construction. However, the actual wind energy generating capacity will not exceed 300 MW and will not occupy more than 15,341 acres (the area of the amended wind micrositing corridors).
3. **Amend Facility description to up to 106 wind turbines –** Increasing the maximum number of wind turbines from 66 to 106 (106 primary and seven alternate locations are under consideration) will increase the Facility's generating capacity and maximize the usage of the Amended Site Boundary and wind micrositing corridors. As stated previously, the locations of turbines will depend on the most efficient and effective equipment and layout available at the time of construction, but will not exceed the maximum 300 MW and will not be sited outside of the amended wind micrositing corridors.
4. **Amend Intraconnection Corridors –** The previously approved Intraconnection Corridor options will be replaced by modified options for the western section of the route (either Transmission Line A or Transmission Line B, both 26 miles in length). Portions of the previously approved route would be retained (located primarily in the eastern corridor), totaling 21.16 miles of overlap for Transmission Line A and 16.20 miles of overlap for Transmission Line B.
5. **Extend the construction completion deadline –** Extending the construction completion deadline by approximately 3 years, from May 24, 2023 to May 24, 2026 will provide additional construction time for the Facility, if needed, because of the increased number of Facility components.
6. **Make minor amendments to Site Certificate conditions** – Performing minor edits to existing Site Certificate conditions will help provide better clarity regarding responsibility, timing, and implementation for compliance. Additionally, a shared use facility condition for use of the existing, operational WREFII operations and maintenance (O&M) Building is proposed. Wheatridge Wind II, LLC owns the existing O&M building[3] and would be contracted to utilize the same building with the proposed Facility.

[3] Site Certificate for the Wheatridge Renewable Energy Facility II, First Amended Site Certificate (November 2020)

4.1 Project Description

This Facility description is included as required to meet the submittal requirements of OAR 345-021-0010(1)(b) paragraphs (A) through (F). OAR 345 Division 22 does not provide an approval standard specific to Exhibit B.

Section 4.1.1 provides a detailed cumulative description of Facility infrastructure and thus may address both approved and proposed Facility components, which is designated as applicable. See Table 1 for a comparison of existing and proposed Facility components. Note that the proposed Facility components are representative and technology advancements may alter their given specifications; however, these potential alterations are not anticipated to create an impact that has not already been addressed and approved by the Council or mitigated through existing Site Certification conditions.

4.1.1 Overview of Proposed Facility

As approved, the Facility is a 200-MW wind generation facility with an Approved Site Boundary consisting of 4,582 acres (within nearly 42,000 acres of currently leased lands) in Morrow and Umatilla counties, Oregon. The approved Facility consists of 66 wind turbines, including related and supporting facilities, a substation, a 20-MW BESS, and an up to 31.5-mile, 230-kV transmission line interconnecting the Facility to the existing Blue Ridge Substation.

In order to maximize use of the permitted infrastructure of the Facility, the existing UEC transmission line (Green Corridor), and the Blue Ridge Substation, the Certificate Holder proposes to amend the Facility Application for Site Certificate (ASC) to add renewable energy generating capacity through amendment of the Approved Site Boundary and approved wind micrositing corridors to accommodate a 300-MW facility with up to 106 turbines (106 primary and seven alternate locations are under consideration; see Figure 2). The Facility will be connected by one of two proposed Intraconnection Lines within an Intraconnection Corridor, Transmission Line A or Transmission Line B. Each route option would contain up to two parallel overhead 230- kV transmission lines, each no longer than approximately 26 miles in length. Other Facility components include access roads, an electrical collection and control system, the Facility's preferred and alternative (previously permitted) substation, O&M building (constructed and operational; usage would be shared with WREFII), BESS, and temporary construction yard(s)[4]. These facilities are all described in greater detail in Section 4.1.2. The Facility was initially the Wheatridge East portion of the permitted WWEF, and the WREFE portion of the WREFII, resulting from the division approved in the Final Order on the Request for Amendment 1 to the Site Certificate for WREFII[5].

[4] One temporary construction yard is proposed at this time and thus is all that is included in impact analyses; however, the four previously approved temporary construction yards are to be retained as potential areas that could be sited during pre-construction. See Section 4.1.2.10 for further details.
[5] Final Order on Request for Amendment 1 to the Site Certificate for the Wheatridge Renewable Energy Facility II (November 2020)

4.1.1.1 Definition of the Site Boundary and Micrositing Corridors

The 79,424-acre Amended Site Boundary will be equivalent to the Lease Boundary (see Figures 1 and 2). This effectively adds 75,084 acres of land adjacent to the Approved Site Boundary (i.e., previously approved wind micrositing corridors; 4,582 acres) to support a peak generating capacity of up to 200 MW of wind energy. Note that the Certificate Holder acquired nearly 42,000 acres of leased lands as part of the originally approved Facility. Using the Lease Boundary as the Amended Site Boundary allows the Certificate Holder to have flexibility to adjust the specific location of Facility infrastructure at the time of construction. Identifying micrositing corridors allows for a more specific analysis of resources, but still allows retention of some flexibility for the final Facility design, while establishing outer boundaries of potential construction that can then be used for purposes of impact assessment.

The Amended Site Boundary will include the designation of expanded wind micrositing corridors, adding 9,612 acres to the previously approved 5,772-acre wind micrositing corridors. This includes 4,582 acres that were approved with WREFE's micrositing corridors, as well as 1,190 acres of overlap with other, operational Wheatridge facilities. Combined, RFA 1 expands the total WREFE micrositing corridor to 15,341 acres (see Figures 1 and 2). No turbines will be constructed outside of previously approved and the proposed amended wind micrositing corridors. As stated above, the Certificate Holder requests micrositing flexibility within the amended wind micrositing corridors in order to site the Facility turbines and supporting facilities, and will stipulate the precise details and layout of wind turbines during final design and engineering, prior to construction. The amended wind micrositing corridors will also include private access roads, service roads, gates, and security fencing. The Certificate Holder is describing the full build-out potential of the amended wind micrositing corridors to analyze the greatest potential impact for each resource.

The amended wind micrositing corridors establish the locations of turbine strings, and would encompass all of the permanent and temporary Facility infrastructure. The amended wind micrositing corridors are a minimum of approximately 660 feet in width around turbines, and wider in some locations. The width around site access roads and electrical collection lines is narrower, between 200 feet and 500 feet in width. The Intraconnection Corridor is approximately 1,000 feet in width, and would contain all Intraconnection Lines and associated site access roads. Wider areas of the amended wind micrositing corridors would encompass the substations, meteorological (met) towers, the shared/existing O&M building, the BESS, and temporary construction yard. The amended wind micrositing corridors exclude areas, where appropriate, to avoid and minimize impacts to sensitive cultural, biological, or environmental resources such as wetlands.

4.1.1.2 Turbine Layout

The turbine layout will utilize up to 106 GE 2.82 MW turbines with an 89-meter hub height and 127-meter rotor diameter. The Certificate Holder seeks micrositing flexibility within the amended wind micrositing corridors in regard to the final layout, knowing that the total generation capacity will not exceed 300 MW, the total number of turbines will not exceed 106, and the specific turbine model selected for construction will match the studied layout. Micrositing flexibility allows any

variation of this layout to be covered by this approach, as long as it is within the amended wind micrositing corridors and has impacts that are less than or equal to the studied layout presented here. The layout proposed will not have a greater impact than allowed for in the Site Certificate and will continue to satisfy all conditions of the Site Certificate.

This turbine layout defines the maximum number, size, visual impact, and noise limits of wind turbines for the Facility. The ultimate number of wind turbines would be determined near the time of construction; however, any impacts associated will not exceed the impacts as bounded by this RFA 1. The number of turbines would not be greater than 106, and the specific model selected for construction will match the studied layout, which represents the maximum anticipated total rotor swept area (RSA) and sound levels/noise emissions at noise sensitive receptors.

4.1.1.3 Grid Interconnection

The Certificate Holder anticipates that the Facility will connect to the existing Blue Ridge Substation via one of two potential Intraconnection Corridors. Both route options, Transmission Line A and Transmission Line B, are approximately 26 miles in length. Both options run north of the previously approved Intraconnection Corridors to avoid operational portions of the existing Wheatridge facilities. Portions of the previously approved route would be retained (located primarily in the eastern corridor), totaling 21.16 miles of overlap for Transmission Line A and 16.20 miles of overlap for Transmission Line B.

4.1.2 Facility Components, Structures, and Systems

4.1.2.1 Wind Turbines

The Facility is designed around one representative wind turbine model: a GE 2.82-MW 127-meter rotor diameter turbine. This model was selected to represent the maximum potential impact calculations of the Facility's turbines and to be representative of a model likely available at the time of construction. Table 2 shows the key characteristics for the turbine layout as well as the previously approved maximum turbine layout characteristics. The use of this layout option defines maximum impact parameters for the Facility. The Facility's total nominal generating capacity will be 300 MW. Turbines would be arrayed in rows called strings, with each turbine spaced approximately 1,200 to 3,200 feet apart within each string, and with approximately 1 mile separating each string of turbines. This spacing is required by turbine manufacturers to minimize the turbines' turbulence. Figure 2 shows representative turbine locations for the layout.

Table 2. Approved and Proposed Maximum Wind Turbine Characteristics

Facility	Turbine Model	Generating Capacity	Tower/Hub Height	Rotor Diameter	Total Height[1]	Total Number[1]	Total Maximum Generating Capacity[1]
Proposed	GE 2.82-127	2.82 MW	92.1 meters	127 meters	152.1 meters	106	300 MW[1]
Approved (maximum turbine dimensions)	GE 2.5-120	2.5 MW	92.1 meters	120 meters	152.1 meters	66	200 MW

1. The Facility will not exceed a maximum height of 152.1 meters, a total of 106 turbines, or total maximum generating capacity of 300 MW, utilizing primary and/or alternate turbine locations.

A wind turbine generator consists of a three-bladed rotor, attached to a nacelle mounted atop a tubular tower (see Graphic 2); these components are described in greater detail below.

Nacelle

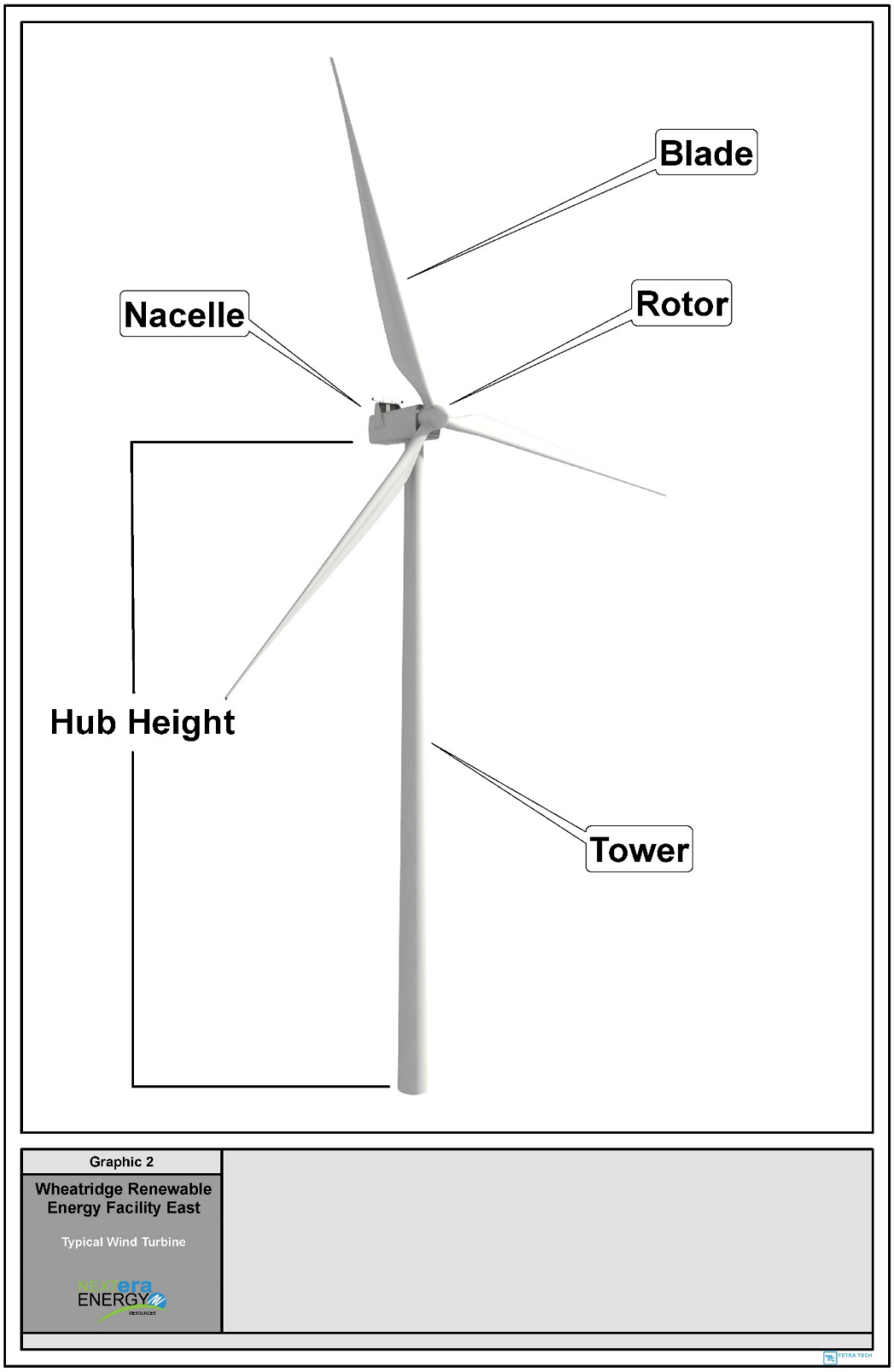
The nacelle sits atop the turbine tower and houses the gearbox, generator, brakes, and control systems for the turbine. Access to the nacelle is via a ladder inside the turbine tower, which is accessed by a locked doorway at the base of the tower. The nacelle is mounted to the turbine tower on a geared plate that functions to rotate the turbine horizontally on the tower, allowing the nacelle to turn and orient the rotor to face into the wind and maximize capture of the available wind resource.

The roof of the nacelle is designed to be removable or opened from within to accommodate major maintenance activities such as the replacement of a gearbox. The floor of the nacelle acts as a pan to contain any potential spills of gearbox or hydraulic fluid.

Blades and Rotors

The turbine blades are attached to the rotor hub, which is mounted to the front of the nacelle. A rotor blade is made of laminated fiberglass and carbon fiber, and typically is constructed as a single piece. The representative turbine model RSA is 127 meters wide. Each blade would therefore be approximately 63.5 meters in length.

When operating, the rotor turns at a rate between 7.4 and 15.7 revolutions per minute (RPM). The turbine begins generating electricity at wind speeds of approximately 6 miles per hour. At wind speeds greater than about 55 miles per hour, the turbine shuts down; the blades are feathered so they do not catch the wind, brakes are applied to slow and stop the rotor, and once stopped, the rotor may be locked to prevent damage to the turbine.



Graphic 2. Typical Wind Turbine

Turbine Tower

The turbine tower is a cylindrical, usually steel, structure tapered from the base to the top, where the nacelle is mounted. Tower heights or hub heights vary by turbine model and manufacturer; the representative model under consideration for the Facility would be 89 meters. The interior of a tower is accessible by a locked door at ground level, and the tower features an internal ladder system providing protected access to the nacelle. A typical turbine tower would be approximately 15 feet across at the base, tapering to less than 10 feet across at the nacelle. Each tower would arrive at the Facility in three or four sections, to be assembled on-site.

Turbine Foundation

Each turbine would be secured to a reinforced concrete foundation. While typical wind turbine foundations are spread-footing or plate foundations made of reinforced concrete; other foundation types such as pile or caisson-type foundations may be considered based on site-specific soil conditions. The actual foundation design for each tower will be determined prior to construction based on site-specific geotechnical studies; however, for the purposes of the RFA 1, the Certificate Holder assumes that typical spread-footing foundations would be used (Figure 3). A typical spread-footing foundation consists of a reinforced concrete pad, up to 80 feet in diameter, extending to approximately 12 feet below grade. The center of the foundation would be approximately 6 feet thick, tapering to approximately 3 feet thick at the outer edges. A pedestal, upon which the turbine tower is mounted, projects from the center of the footing to above ground level.

Permanent Turbine Pad Impact Area

An engineered earth and gravel pad is maintained for the life of the Facility atop the outer edges of the foundation footing. The earth and gravel effectively add weight to the foundation and further stabilize the turbine; the gravel pad also serves as a parking area for maintenance vehicles. The permanent impact area within the maintained gravel pad is approximated by a 65-foot diameter circle, or 0.08 acres per turbine.

Temporary Turbine Construction Area

Construction of each turbine will require the temporary disturbance of an area around the foundation in order to accommodate foundation excavation and soil storage, and to provide a stable area for the staging and assembly of turbine components as well as the operation of construction cranes and other heavy equipment (Figure 4). This temporary disturbance area is approximated by a 101-meter diameter circle around the turbine, or an area about 2 acres in size. Following erection of the turbines, the temporary construction areas would be reclaimed through regrading to pre-construction contours, restoration of topsoil, soil decompaction, and seeding and/or planting to restore habitat, as appropriate to the site. The Certificate Holder will coordinate with landowners for final restoration requirements in agricultural areas.

Turbine Marking and Lighting

The turbines will be marked and lighted according to Federal Aviation Administration (FAA) guidelines, but no other lighting would be used on the turbines. FAA guidelines call for painting the turbines and towers white or light gray, while making them highly visible to pilots from the air. Flashing red aviation lighting will be mounted atop selected turbines; FAA guidelines usually dictate for lighting at the end of each turbine string or around the perimeter of a project, and within a project such that the gap between lights is no greater than 0.5 miles. Under current FAA guidelines, all of the lights would be programmed to flash in unison, allowing the entire Facility to be perceived as a single unit by pilots flying at night. The specific location of aviation lighting and the operation of the lighting system will be determined in consultation with FAA prior to beginning construction on the Facility.

4.1.2.2 Electrical Collection System

The electrical collection system will carry power generated by the turbines or stored by the BESS to the substations. Power would be initially generated at 575 to 690 volts by the turbines, and then stepped up to 34.5-kV through generator step-up (GSU) transformers installed at the base of each turbine. The collector lines would then carry the power to the new or alternative substation, at which the voltage would be stepped up from 34.5-kV to 230-kV for overhead transmission through the selected route option for either Transmission Line A or Transmission Line B.

Typically, the GSU transformer is a rectangular box with a footprint 7.5 by 8.5 feet, located a few feet from the base of the turbine tower; it is therefore called a pad-mounted GSU transformer[6] (Figure 5). A pad-mounted GSU transformer is typically mounted on an 8-inch thick concrete pad foundation, set within the engineered earth and gravel fill above the turbine foundation.

Electrical connections will be made underground or in enclosed junction boxes between the turbine and the pad-mounted GSU transformer, then from the transformer to the collector lines. The 34.5-kV collector lines would typically run in trenches no less than 3 feet deep in tilled ground, generally located alongside the site access roads, with junction splice boxes positioned intermittently along the lines for maintenance access (Figure 6). Where land use and soil conditions make a buried depth of 3 feet infeasible, collector lines may be buried at a depth of less than 3 feet, while still adhering to National Electrical Safety Code standards. Each collector line circuit would consist of three wires, or phases; each wire would be an insulated, stranded metal conductor in a size range of 1/0 – 4/0 American wire gauge, nearly 3 inches in diameter. No overhead collector lines are proposed.

The total length of collector lines needed would depend on the number of turbines constructed. With the use of the studied layout, approximately 94.7 miles of underground collector line would be needed. Section 4.4 presents the collector line mileage for the Facility.

There would be no permanent impacts associated with the collector lines buried underground. Where not placed within a site access road, the area above the buried line would be restored and

[6] Note that in some turbine models, the GSU transformer is located in the nacelle or in the base of the tower.

revegetated following construction. For the purposes of the RFA 1, the Certificate Holder assumes a temporary impact corridor of approximately 26 feet for the buried collector lines.

4.1.2.3 Collector Substations

The Facility would include two substations total: one new substation and one previously approved/permitted alternative substation, in which power from the collector lines would be aggregated and stepped up to transmission voltage. The proposed and alternative substation locations are shown on Figure 2, located central to the Facility along Little Butter Creek Road, and within the northeast portion of the Amended Site Boundary collocated with the BESS, respectively.

The new and previously approved substations would occupy approximately 7 acres and 1.5 acres (6.5 acres including the 5-acre approved/collocated BESS), respectively, and would be enclosed by locked 8-foot-tall wire mesh fence to prohibit unauthorized access. Substation equipment would include transformers, transmission line termination structures, a bus bar, circuit breakers and fuses, control systems, meters, and other equipment. The area within the fence line would be graded flat, with a bed of crushed rock applied for a durable surface.

4.1.2.4 Intraconnection Line

> *OAR 345-021-0010(1)(b)(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, a corridor selection assessment explaining how the applicant selected the corridor(s) for analysis in the application.*
> *[…]*
>
> *OAR 345-021-0010(1)(b)(E) 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 of any size:*
>
> *[…]*

The Facility would be electrically connected by the Intraconnection Line, either single or a double circuit 230-kV transmission line running between the substations and the existing Blue Ridge Substation (see Figure 2). If the Intraconnection Line is a single circuit, then one set of transmission line structures, either H-frame or monopole, will be constructed to carry the circuit. If the Intraconnection Line is two circuits, then either one set of transmission line monopole structures carrying both circuits or two sets of parallel transmission line monopole structures each carrying one circuit will be constructed. The Intraconnection Line would be designed to maintain a minimum conductor-to-ground clearance of 30 feet. The structures would be typically 60 to 150 feet tall and spaced approximately 400-800 feet apart, depending on the terrain. The Intraconnection Corridor would be approximately 1,000 feet in width. The Intraconnection Line will be designed to comply with the Avian Power Line Interaction Committee standards (APLIC 2012) recommendations to prevent electrocution of birds. The Avian Power Line Interaction Committee recommended measures are intended to protect raptors, cranes, and other large birds from accidental electrocution, and are sufficient to protect even the largest birds that may try to roost on the Intraconnection Line. The engineering options for the Intraconnection Line structures

are discussed in detail in Exhibit AA. The construction schedule of the Facility may require that one circuit is constructed before the second circuit.

The route chosen will depend on final layout design. A shown in Figure 2, there are two Intraconnection Line route options, Transmission Line A and Transmission Line B. Both routes would run from the Facility substations west and northwest to interconnect with the existing Blue Ridge Substation. The routes would predominately follow the approved route from the ASC until they meet the Spur Loop Road, then the routes would run west/northwest, approximately 1 mile north of the originally approved Intraconnection Corridor, to the existing Blue Ridge Substation. Both routes would be approximately 26 miles in length (25.9 miles and 25.3 miles for Transmission Line A and B, respectively). Only slight routing differences occur near the OR-207 crossing location (prior to reaching the Blue Ridge Substation) and between the Spur Loop Road and Sand Hollow Road crossings. Portions of the previously approved route would be retained (located primarily in the eastern corridor), totaling 21.16 miles of overlap for Transmission Line A and 16.20 miles of overlap for Transmission Line B. For the purposes of impact assessment in the RFA 1, both Transmission Line A and Transmission Line B were considered for calculating the maximum impact of the Interconnection Lines, since they are both approximately the same length and to allow for permitting flexibility.

OAR 345-021-0010(1)(b)(D) requires a corridor selection assessment 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 Oregon Revised Statutes (ORS) 469.300. ORS 469.300 defines a transmission line as an energy facility if it is (a) more than 10 miles in length, (b) with a capacity of 230,000 volts or more, and (c) would be constructed in more than one city or county. The proposed Intraconnection Line would be more than 10 miles in length, would operate at 230-kV, but would only be located in Morrow County. Therefore, the Intraconnection Line alone would not be considered an energy facility according to ORS 469.300, and a corridor selection assessment is not required.

Note that the Certificate Holder seeks to retain the flexibility to utilize the previously approved portion of the 230-kV transmission line route that extends into Umatilla County for interconnection to a UEC-owned transmission line to the Bonneville Power Administration Stanfield substation.[7] A corridor assessment has been completed and approved for this portion of transmission line and thus is not repeated for the purposes of this amendment.

4.1.2.5 Meteorological Towers

As previously approved/permitted, the Facility includes up to five permanent met towers spaced throughout the Facility. Temporary met towers may also be utilized (to be determined prior to construction), but the Certificate Holder will pursue permitting for these towers through the applicable county system. The met towers are required to measure the wind speeds around the Facility separate from the wind turbines for verification of the wind turbines' performance in accordance with IEC standards and wind farm best practice operations. The met towers would be a

[7] Final Order on Application for a Site Certificate for the Wheatridge Wind Energy Facility (2017)

freestanding, non-guyed design, with a height of approximately 100 meters. FAA lighting may be installed on some of the met towers, depending on the overall lighting scheme for the Facility as a whole, to be determined prior to construction and in consultation with FAA. Each met tower would have a foundation footprint approximated by a 10-meter diameter circle. The temporary disturbance area associated with the construction of each met tower is approximated by a 30-meter diameter circle (Figure 7).

4.1.2.6 Communication and SCADA System

As previously approved and permitted, a communication system consisting of fiber optic and copper communication lines will connect the turbines, met towers, BESS, and substations to the shared/existing O&M building. This communication system allows each turbine and the substations to be monitored by a Supervisory Control and Data Acquisition (SCADA) system, installed in the shared/existing O&M building. This system monitors each turbine and the met tower data for variables such as meteorological conditions, critical operating parameters, and power output. The turbines are controlled via the SCADA system, which can also be controlled remotely. SCADA software is tuned specifically to the needs of each wind project by the turbine manufacturer or a third-party SCADA vendor. The communication lines for the SCADA system run alongside the collector lines, typically in a trench at least 3 feet deep or overhead, if necessary.

4.1.2.7 Operations and Maintenance Building

The Facility will utilize the existing O&M building at WREFII next to the existing Blue Ridge Substation (see Figure 2). Wheatridge Wind II, LLC owns the existing O&M building[8] and would be contracted to utilize the same building with the proposed Facility. This shared/existing O&M building is a single-story structure of approximately 9,000 square feet. Immediately adjacent to the building is a parking lot for employees, visitors and Facility equipment. The O&M building occupies approximately 1.1 acres within a fenced enclosure. The O&M building includes an office, break room, kitchen, lavatory with shower, utility room, covered vehicle parking, storage for maintenance supplies and equipment, and the SCADA system. Electricity and telephone service is provided to the O&M building from local providers using overhead and/or underground lines. Water is provided by an on-site well. Water use is not anticipated to be greater than 5,000 gallons per day, so a water right would not be required for such a well. The kitchen, toilets, and shower drain into an on-site septic system, to be permitted through Morrow County.

4.1.2.8 Battery Energy Storage System

As previously approved/permitted, the Facility includes an up to 20-MW BESS, located on up to 5 acres. The proposed BESS would be increased to 30-MW and would be collocated with the previously approved substation (see Figure 2).

The BESS will include the following components:

[8] Site Certificate for the Wheatridge Renewable Energy Facility II (November 2020)

- The BESS would be in a series of modular containers or a building per system (approximately 80 feet long, 100 feet wide and 15-20 feet tall if a building; approximately 11-feet by 40-feet if containers).
- Each system would contain lithium-ion batteries within battery modules placed in anchored racks within the containers or building.
- It would include approximately eighteen, 2.7 mega-voltampere inverters with associated step up transformers, for a combined footprint approximately 8 feet by 4 feet.
- Each system would be equipped with a gas pressured deluge fire suppression system, independent smoke detection system, and external fire water tank.
- Each system would include a cooling system comprised of a bank of four power conditioning system fan units with motors.
- The BESS would include a control house that would be approximately 16 feet by 11 feet, with an external heating, ventilation, and air conditioning unit.
- It would also include a protective device, skid-mounted power transformer, and bi-directional inverter.

Battery and inverter equipment would be electrically connected via a combination of aboveground cable trays, underground conduit, and covered cable trenches. Site surfacing would remain primarily gravel. The BESS would interconnect with Facility substations via feeder lines.

The BESS will be placed a concrete foundation, and each container or building holds the batteries, a supervisory and power management system, and a fire prevention system. See Section 4.1.3.2 for fire prevention and control methods as they relate to the BESS. Lithium-ion battery systems are modular systems in which each module contains multiple smaller battery cells, each measuring up to 3.2 by 7 centimeters. The cells are the primary containment for the gel or liquid electrolyte materials. The module containing the cells is relatively small, generally about the size of a desktop computer processer, and serves as leak-proof secondary containment. Modules are placed in anchored racks within the concrete containers or building; typically, each rack houses 8 to 15 battery modules along with a switchgear assembly, depending on the configuration chosen.

Lithium-ion batteries are the most common type of utility-scale BESS technology at this time, although other technologies are used and are being developed. Lithium-ion batteries are a type of solid-state rechargeable battery where lithium ions, suspended in an electrolyte, move from negative to positive electrodes and back when recharging. A variety of chemistries fall under the "lithium-ion" term, each with varying performance, cost, and safety characteristics (Energy Storage Association 2022). Lithium-ion batteries have a typical lifespan of up to 10 years and will experience a consistent degradation of performance over that time. Lithium-ion batteries are generally used in utility-scale applications when rapid, short-term (minute) deployments of power are needed. For example, lithium-ion batteries can smooth the fluctuating generation from wind turbines, which can vary based on the amount of wind, to deliver consistent and predictable power to the grid.

4.1.2.9 Access Roads

Access to the Site – Offsite Public Roads

The primary access to the Facility would be from I-84 via Bombing Range Road, OR-207, or OR-74 for some commuter traffic. Within the Amended Site Boundary and surrounding area, existing county and private roads would provide access to the Facility. These include, but are not limited to: Big Butter Creek Road, Little Butter Creek Road, Baseline Road, Juniper Lane, Strawberry Lane, Sand Hollow Road, Myers Lane, Kilkenny Road, Myers Lane, Spur Loop, and Eagle Ranch Road. No improvements to existing public roads are anticipated to accommodate Facility construction. Specific improvements will be identified in consultation with the appropriate county road master prior to construction, and permitting will be sought through the counties at that time. Regardless, upgrades to existing roads will be done according to applicable state and county road standards and after consultation with Morrow and Umatilla county staff. A road use agreement with each county will specify requirements, including that all existing public roads used to access the Facility will be left in as good or better condition than the condition that existed prior to the start of construction (per Conditions PRE-PS-02 and PRE-PS-03).

Access Within the Site – Onsite Private Roads

Access to the turbines, temporary construction yards, substations, the shared/existing O&M building, BESS, and other associated infrastructure would be via a network of private site access roads that would be constructed or improved (if applicable) by the Certificate Holder as part of the Facility's construction. In order to minimize impacts to agricultural operations, grazing lands, and wildlife habitat, existing private roads and farm access tracks would be utilized to the greatest extent practicable.

All newly constructed and improved site access roads would be graded and graveled to meet load requirements for heavy construction equipment, as necessary. Most site access roads would be initially constructed to be wider than needed for operations, to accommodate the large equipment needed for construction. Following turbine construction, the site access roads would be narrowed for use during O&M. The additional disturbed width required during construction would be restored following the completion of construction by removing the gravel surfacing, restoring appropriate contours with erosion and stormwater control best management practices, decompacting as needed, and revegetating the area appropriately. For purposes of impact assessment, a temporary impact corridor of 82 feet in width and a permanent impact corridor of 16 feet in width are used; these corridors would encompass the site access roads and most cut and fill slopes and any necessary drainage or erosion control features.

The layout would require approximately 64 miles of new, site access roads. Section 4.4 presents the length of site access roads for the Facility, along with the areas of temporary and permanent disturbance associated with the site access roads.

Site access roads would also be needed for the construction of the Intraconnection Line. All of the site access roads for the Interconnection Line would be temporary in nature, utilizing existing farm

roads and edges of fields to access the Intraconnection Corridor. Because the Intraconnection Line can be constructed and maintained using only large trucks rather than heavy construction cranes, and construction would take place during the dry time of year when the ground surface is hard enough to support those vehicles, it is expected that no site access road improvements will be necessary. The same unimproved farm access tracks and field crossings would sufficiently serve the light trucks generally used for maintenance operations. As with other site access roads, an 82-foot wide temporary impact corridor is used for purposes of assessing impacts of site access roads used for constructing the Intraconnection Line; however, there is no permanent impact associated with these site access roads. For either route, the mileage of road necessary should be similar to the Transmission Line A or B route lengths, i.e., approximately 26 miles.

4.1.2.10 Temporary Construction Yards

During construction, the Certificate Holder would establish a single temporary construction yard, located within the amended wind micrositing corridors, which will help facilitate the delivery and assembly of material and equipment. Note that the Certificate Holder seeks to retain the flexibility to utilize the four previously approved temporary construction yards as potential areas that could be sited during pre-construction if deemed necessary for the Facility.

The temporary construction yards would:

- Contain field construction offices;
- Store construction equipment when not in use;
- Store construction supplies and materials;
- Possibly contain temporary concrete batch plants; and
- Possibly be used for the assembly of some Facility components.

Typically turbine and tower components would be delivered directly to each turbine site rather than being received and stored at the temporary construction yards.

The single temporary construction yard would occupy a total of 60 acres. If deemed necessary during pre-construction, the previously approved four temporary construction yards would occupy between 15 and 20 acres. The temporary construction yards would be graded approximately level and surfaced in gravel. Signage would indicate them as private, no trespassing, and they would have on-site security staff.

The temporary construction yards will be restored to pre-construction conditions unless an agreement with the landowner leads to some or all of the temporary construction yards being retained after construction. Restoration of the temporary construction yards would typically involve removal of the gravel surfacing, regrading to pre-construction contours, restoration of topsoil as needed, soil decompaction if necessary, and seeding or planting to restore agricultural or habitat lands, as appropriate. The Certificate Holder will coordinate with landowners for final restoration requirements in agricultural areas. Figure 2 shows the location of the single proposed temporary construction yard.

4.1.2.11 Temporary Concrete Batch Plant

As previously approved/permitted, the Certificate Holder anticipates that the construction contractor would utilize on-site, temporary concrete batch plants or source concrete from existing suppliers that have existing permits. Therefore, for the purposes of RFA 1, the Certificate Holder assumes that one or more temporary concrete batch plants would be utilized during construction of the Facility. The concrete batch plants would be located within the temporary construction yards, and therefore do not have associated independent impact areas. The use of temporary batch plants will be permitted by the construction contractor through the county where it will be located. In addition, each concrete batch plant requires a state air quality permit, which would also be held by the construction contractor or a qualified third-party contractor. These third-party permits are described in more detail in Section 5.5. The Certificate Holder may, at the time of construction, choose to instead purchase concrete directly from a licensed third-party contractor and have it delivered directly to the site as required, thereby removing the need for on-site batch plants.

The Certificate Holder assumes that rock for road construction and concrete mixing would be obtained from existing, permitted quarries near the Facility, and therefore has not included rock quarrying or gravel mining as an integral part of the Facility. However, if a new quarry is found to be necessary or advantageous, it would be permitted and developed at a future time by the construction contractor.

4.1.3 Other Systems and Information

4.1.3.1 Fuel and Chemical Storage

During construction of the Facility, small quantities of a few hazardous materials may be utilized or stored in the temporary construction yards. Such materials may include cleaners, insecticides or herbicides, paint, or solvents. None would be present in substantial reportable quantities; the amounts present (if at all) would be no greater than household quantities. When not in use these would be stored in a secure location within the temporary construction yards.

Fuels would be the only hazardous material that may be stored in substantial quantities on-site during construction. The Certificate Holder anticipates that up to 1,000 gallons of diesel fuel and 500 gallons of gasoline may be kept on-site for fueling of construction equipment. These would both be stored in temporary, above-ground tanks in the temporary construction yards, within an area that provides for secondary containment. Fuels would be delivered to the temporary construction yards by a licensed specialized tanker vehicle. There would be no substantial quantities of lubricating oils, hydraulic fluid for construction equipment, or other hazardous materials maintained on-site during construction. Lubricating oil or hydraulic fluids for construction equipment would similarly be brought in on an as-needed basis for equipment maintenance by a licensed contractor using a specialized vehicle, and waste oils removed by the same maintenance contractor. Lubricating oils and hydraulic oils for the turbines and dielectric oils for the transformers would similarly arrive on an as-needed basis and transferred into the receiving components, such that none would be stored on-site.

During operations, there would be no substantial quantities of fuels, oils, or chemicals on-site, except as contained in qualified oil-filled equipment, including the turbine gearboxes and substation transformers. Lubricating oil would be brought in on an as-needed basis for periodic oil changes in the turbine gearboxes, by a maintenance contractor using a specialized vehicle, and waste oils would be removed in the same way. Small quantities of gear oil would likely be maintained on-site for occasional top-off; it is anticipated that less than 20 gallons would be stored in the shared/existing O&M building at any given time. Very small quantities of pesticides or herbicides, paint, solvents or cleaners may also be kept on-site; when not in use these would be stored in the shared/existing O&M building. Due to the limited quantities of petroleum products or hazardous materials, no secondary containment systems are planned for the shared/existing O&M building; however, sorbent materials will be maintained on-site to capture any small spills that may occur.

There are multiple viable alternatives for secondary containment for the fueling/fuel storage area. For example, a liner may be installed under the gravel surfacing, or the area may be surfaced with concrete; stormwater and any spilled liquids would pass through an oil-water separator and the spilled fuels would then flow into an enclosed sump that would be pumped out for disposal. Other satisfactory options include the use of drip pans while fueling, or provision of sorbent materials to capture minor spills, The specific methods and design will be determined by the construction contractor in conjunction with the Environmental Protection Agency (EPA) prior to storing bulk quantities of fuel on-site.

Secondary containment is optional for the transformers and for the turbine gearboxes, as these are classified as qualified oil-filled operational equipment under the EPA's Amended Spill Prevention, Control, and Countermeasure Rule issued in 2006 (EPA-550-F-06-008). Per the Amended Rule, instead of providing secondary containment for qualified oil-filled operational equipment, an owner or operator may prepare an oil spill contingency plan and a written commitment of manpower, equipment, and materials to quickly control and remove discharged oil; the plan must include an inspection or monitoring program for the equipment to detect a failure and/or discharge. Alternatively, the transformers may be installed on foundations that provide secondary containment, or sorbent materials may be kept on-hand to capture minor leaks. The specific methods and design (if appropriate) will be determined prior to construction of the substations. The nacelles and turbine foundation will effectively function as secondary containment for the turbine gearboxes, such that no additional secondary containment systems are needed for the turbines.

The BESS may contain chemical electrolyte. Lithium-ion battery systems are modular systems that contain multiple smaller battery cells. The cells are the primary containment for the gel or liquid electrolyte materials. The module containing the cells is relatively small, generally about the size of a desktop computer processer, and serves as leak-proof secondary containment. Modules are placed in anchored racks within the steel containers. Although leaks from the modules are very unlikely because any leak will require failure of the individual cells as well as the sealed module, any material that might leak from the cell into the module and then to the floor of the container will

be contained within the container. Note that used lithium-ion batteries are not considered hazardous waste by the EPA.

4.1.3.2 Fire Prevention and Control

The greatest risk of fire would occur during construction of the Facility, when welding and metal cutting for foundation rebar frames would take place, and vehicles and construction equipment may be used in areas of tall, dry grass. In order to prevent fires from occurring, the construction contractor will implement a number of systems and procedures. These would include requirements to conduct welding or metal cutting only in areas cleared of vegetation, and to keep emergency firefighting equipment on-site when potentially hazardous operations are taking place. Construction workers will be prohibited from parking vehicles in areas of tall dry vegetation, to prevent fires caused by contact with hot mufflers or catalytic converters.

The risk of fire during the operational phase of the Facility is low. While incidents of wind turbine fires have occurred, these incidents are rare and have generally been traceable to poor maintenance or electrical malfunction. The risk of turbine fires will be minimized through proper maintenance of the turbine and its critical mechanical and electrical components. In addition, internal fire suppression systems would be installed in all of the turbines to prevent a catastrophic turbine fire. Lightning protection systems are built into the turbine blades and tower to electrically ground the entire structure and eliminate the potential for lightning-caused fires.

All electrical equipment will meet the National Electrical Code and Institute of Electrical and Electronics Engineers standards, and will not pose a significant fire risk. With proper maintenance and safety checks, the electrical collection system and transmission system are unlikely to cause a fire. Vegetation near Facility infrastructure that has higher fire risk may be mowed periodically, and weeds will be managed in accordance with the weed management procedures described in the Facility Revegetation Plan (see Exhibit P). Additional fire prevention and response measures for the Facility as a whole, including best management practices related to worker activities, maintenance of fire suppression equipment, and coordination with the local fire district, are described in Exhibit U.

Facility roads will be sufficiently sized for emergency vehicle access in accordance with the 2019 Oregon Fire Code requirements, including Section 503 and Appendix D: Fire Apparatus Access Roads. Specifically, roads will be 16 feet wide, with an internal turning radius of 28 feet and less than 10 percent grade to provide access to emergency vehicles. The areas immediately around the shared/existing O&M building, the Facility substations, and the BESS will be graveled, with no vegetation present. See Exhibit U for additional discussion of Facility fire prevention measures and coordination with local emergency responders.

The Facility would also use lithium-ion batteries to store up to 30 MW of the energy generated by the wind turbines. Section 4.1.2.8 provides a detailed description of the BESS. The following paragraphs summarize the information pertinent to fire prevention and control for the BESS.

The chemicals used in lithium-ion batteries are generally nontoxic but do present a flammability hazard. However, lithium-ion batteries are susceptible to overheating and require cooling systems

dedicated to each BESS enclosure, especially at the utility scale (LAZARD 2016). The gas released by an overheating lithium-ion cell is mainly carbon dioxide. The electrolyte solution, usually consisting of ethylene or propylene, may also vaporize and vent if the cell overheats (Battery University 2022).

The Certificate Holder will implement the following fire prevention and control methods to minimize fire and safety risks if lithium-ion batteries are used for the BESS:

- The batteries will be stored in completely contained, leak-proof modules.
- The lithium-ion battery system will be kept in a temperature-controlled facility with individual battery modules isolated to prevent the spread of fire if it were to occur.
- The BESS will incorporate a gas pressured deluge fire suppression system, as designed by the battery manufacturer.
- O&M staff will conduct frequent (monthly) inspections of the battery systems according to the manufacturer's recommendations (see Condition OPR-RF-01).
- Battery storage and fire protection systems will comply with applicable standards specified by the Umatilla County building department through the permitting process which will include the 2019 Oregon Structural Specialty Code et. seq., as documented through the facility's building permit applications (see Conditions PRE-LU-01 and PRE-LU-07).
- An emergency management plan will also be developed with response procedures in the event of an emergency, such as a fire (see Conditions PRE-PS-05 and PRO-PS-02).
- Transportation of Lithium-ion batteries is subject to 49 CFR 173.185 – Department of Transportation Pipeline and Hazardous Material Administration. This regulation contains requirements for prevention of a dangerous evolution of heat; prevention of short circuits; prevention of damage to the terminals; and prevention of batteries coming into contact with other batteries or conductive materials. Adherence to the requirements and regulations, personnel training, safe interim storage, and segregation from other potential waste streams will minimize any public hazard related to transport, use, or disposal of batteries (see Conditions GEN-OE-04 and OPR-PS-03).
- Ample working space will be provided around the BESS for maintenance and safety purposes.
- A 100-foot vegetation free zone shall be maintained around the BESS (see Condition GEN-PS-04).
- Off-site, 24-hour monitoring of the BESS will be implemented and will include shutdown capabilities.
- Design of BESS will be in accordance with applicable Underwriters Laboratories (specifically, 1642, 1741, 1973, 9540A), National Electric Code, and National Fire Protection Association (specifically 855) standards, which require rigorous industry testing and

certification related to fire safety or other regulatory requirements applicable to battery energy storage at the time of construction.

- Additionally, the Certificate Holder will employ the following design practices, as applicable to the available technology and design at time of construction:
    - Use of Lithium-ion phosphate battery chemistry that does not release oxygen when it decomposes due to temperature;
    - Employment of an advanced and proven battery management system;
    - Qualification testing of battery systems in accordance with UL 9540A (UL Solutions 2022);
    - Installation of fire sensors, smoke and hydrogen detectors, alarms, emergency ventilation systems, cooling systems, and clean agent-based fire extinguishing systems in every battery container (e.g., FM200, Novec 1230);
    - Installation of deflagration venting and/or sacrificial deflagration panels per National Fire Protection Association standards 68 and 69 (NFPA 2022);
    - Employment of Fike fire control panels with 24-hour battery backup at every battery container;
    - Installation of doors that are equipped with a contact that will shut down the battery container if opened;
    - Installation of fire extinguishing and thermal insulation sheets between each individual battery cell;
    - Implementation of locks and fencing to prevent entry of unauthorized personnel (see Condition OPR-WF-01);
    - Installation of remote power disconnect switches; and
    - Clear and visible signs to identify remote power disconnect switches.

See Exhibit V for a full fire risk assessment and measures to prevent wildfire.

4.1.4 Rights-of-Way

The Intraconnection Line would require the acquisition of an approximately 150-foot wide right-of-way from private landowners; all of the landowners along the proposed Intraconnection Line routes are Facility participants or have expressed a willingness to grant such rights-of-way to the Certificate Holder. The necessary legal documents granting the rights-of-way will be finalized and recorded with the appropriate county prior to beginning construction of the Intraconnection Line.

4.1.5 Construction Schedule

Construction is planned to begin in Q1 of 2024 (mobilization) and continue through Q2 of 2026. No other construction work is anticipated to begin prior to issuance of the Amendment. The Facility may be constructed in phases. The size and construction schedule for each phase will depend on market demand. Construction of full-build out of the Facility, potentially using phasing, will be completed by May 24, 2026 (as proposed in this RFA) unless the Certificate Holder seeks an amendment to extend the construction deadline. The Certificate Holder proposes findings and conditions throughout this RFA to allow potential phasing during Facility design and construction. Phasing Facility design and construction allows the Certificate Holder the ability to tailor delivery of power for a particular customer, depending on market demands.

4.2 Effect of Proposed Changes on the Facility – OAR 345-027-0360(1)(b)(A)

OAR 345-027-0360 Preliminary Request for Amendment

(1) To request an amendment to the Site Certificate required by OAR 345-027-0350(3) and (4), the certificate holder shall submit a written preliminary request for amendment to the Department of Energy that includes the following:

*****

(b) A detailed description of the proposed change, including:

(A) A description of how the proposed change affects the facility;

The Facility, as approved, is a wind energy generation facility. RFA 1 proposes changes to accommodate a larger layout with increased capacity. This will allow the Facility to respond to market needs, take advantage of available transmission capacity, and overcome the challenges posed by the intermittent nature of wind energy. The wind turbines will provide power to the same grid connection points, which provides the opportunity for optimal utilization of power generation and transmission capacities. Adding additional wind turbines to the Facility will increase the maximum peak generating capacity for the Facility by up to 100 MW. This further supports Oregon's Clean Energy Targets bill (HB 2021), which requires electricity providers to reduce the greenhouse gas emissions associated with electricity sold in Oregon to 100 percent below baseline emissions levels by 2040.

Although RFA 1 proposes to add to the Approved Site Boundary, these new areas are between or adjacent to areas of the Approved Site Boundary (see Section 4.4). Therefore, because of their proximity to the Approved Site Boundary, the areas of the Amended Site Boundary do not alter most of the various resource Analysis Areas that were reviewed in the ASC. In general, because of their proximity to the Approved Site Boundary, the new areas of the Site Boundary have similar habitat types, topography, and land uses to the Approved Site Boundary. Therefore, although there will be some additional impacts to certain resources resulting from the proposed modifications, these impacts will generally be similar in nature to those that have already been analyzed for the approved Facility.

As detailed in the following sections and in the attachments, although the proposed changes provide a larger Site Boundary, as well as new areas of turbine micrositing corridors, the Certificate Holder can still comply with all Site Certificate conditions previously adopted by the Council for the Facility. Minimal edits to existing Site Certificate conditions are needed to reflect the additional wind facilities (see Attachment 1). Ultimately, the proposed changes will maximize the latest technology to minimize impacts, while supporting renewable energy production in the region and helping the state meet its renewable energy goals.

4.3 Applicable Laws and Council Rules – OAR 345-027-0360(1)(b)(B)

OAR 345-027-0360 Preliminary Request for Amendment

(1) To request an amendment to the Site Certificate required by OAR 345-027-0350(3) and (4), the certificate holder shall submit a written preliminary request for amendment to the Department of Energy that includes the following:

*****

(b) A detailed description of the proposed change, including:

(B) A description of how the proposed change affects those resources or interests protected by applicable laws and Council standards, and

In general, the proposed changes for RFA 1 do not affect the resources or interests protected by applicable laws and Council standards in a substantially different way than what the Council already approved for the Facility (see Section 5). The Certificate Holder has reviewed and considered current local, state, and federal law as referenced throughout the exhibits in Attachment 2. No laws were identified that would prohibit the proposed changes requested in RFA 1. Compliance with applicable laws is integrated into the Site Certificate conditions, including conditions related to pre-construction habitat surveys, noise analysis, setback verification, the National Pollutant Discharge Elimination System (NPDES) 1200-C permit, consultation with the Oregon Department of Fish and Wildlife, the Department of Geology and Mineral Industries, and the Federal Aviation Administration 7460-1 filings, among others. The proposed changes do not alter the Certificate Holder's ability to comply with the Site Certificate conditions for the Facility. Ultimately, although the Facility may be operated in a slightly different manner than previously approved by the Council as a result of RFA 1, substantial changes to the Site Certificate are not necessary to incorporate and meet Council standards and other applicable laws. Sections 4 and 5, and the exhibits provided in Attachment 2, further demonstrate how the proposed changes are consistent with the Council's previous findings for the Facility.

4.4 Location of the Proposed Change – OAR 345-027-0360(1)(b)(C)

OAR 345-027-0360 Preliminary Request for Amendment

(1) To request an amendment to the Site Certificate required by OAR 345-027-0350(3) and (4), the certificate holder shall submit a written preliminary request for amendment to the Department of Energy that includes the following:

*****

(b) A detailed description of the proposed change, including:

(C) The specific location of the proposed change, and any updated maps and/or geospatial data layers relevant to the proposed change;

The Certificate Holder proposes to add approximately 75,084 acres of land adjacent to the Approved Site Boundary (i.e., previously approved wind micrositing corridors; 4,582 acres), effectively expanding to include the entire lease boundary. The Amended Site Boundary, which consists of 79,424 acres of private land, also adds 9,612 acres to the previously approved 5,772-acre wind micrositing corridors. This includes 4,582 acres that were approved with WREFE's micrositing corridors, as well as 1,190 acres of overlap with other, operational Wheatridge facilities. Combined, RFA 1 expands the total WREFE micrositing corridor to 15,341 acres. No turbines will be constructed outside of the wind micrositing corridors. As noted in previous sections, the Certificate Holder is continuing to request micrositing flexibility for Facility components. As described in the Site Certificate[9], "The certificate holder requested flexibility to locate components of the energy facility and its related and supporting facilities within a micrositing corridor to allow adjustment of the specific location of components, while establishing outer boundaries of potential construction for purposes of evaluating potential impacts." All areas disturbed by the Facility construction will be adequately surveyed for biological and cultural resources and the Certificate Holder will meet all permit conditions.

4.4.1 Facility Location

This Facility description is included as required to meet the submittal requirements of OAR 345-021-0010(1)(c) paragraphs (A) through (C). OAR 345 Division 22 does not provide an approval standard specific to Exhibit C.

As noted in above, the amended wind micrositing corridors are established in which all Facility infrastructure would be constructed. This approach allows some flexibility in specific component locations and design in response to site-specific conditions and engineering requirements to be determined prior to construction. The amended wind micrositing corridors are contained within the 79,424-acre Amended Site Boundary. Table 3 identifies the Public Land Survey System sections in which the Amended Site Boundary is located.

Table 3. Location of Amended Site Boundary by Township, Range and Section

Township	Range	Section(s)
T1N	R25E	13, 24
T1N	R26E	18, 19, 20, 29, 30, 31, 32, 35, 36
T1N	R27E	23, 24, 25, 26, 27, 31, 32, 33, 35, 36

[9] Site Certificate for the Wheatridge Renewable Energy Facility East (November 2020)

Township	Range	Section(s)
T1N	R28E	3, 4, 5, 6, 8, 9, 10, 16, 17, 19, 20, 21, 22, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36
T1N	R29E	31
T1S	R26E	1, 2, 3, 4, 9, 10, 11, 12, 13, 14, 15, 16, 24, 25, 36
T1S	R27E	1-36
T1S	R28E	1-31; 33-36
T1S	R29E	5, 6, 7, 8, 9, 16, 17, 18, 19, 20, 28, 29, 30, 31, 32
T2N	R28E	2, 3, 4, 8, 9, 10, 11, 14, 15, 16, 17, 20, 21, 22, 23, 27, 28, 29, 32, 33, 34
T2S	R26E	1
T2S	R27E	4, 5, 6
T2S	R28E	1, 2, 3, 4, 11, 12
T2S	R29E	5, 6, 7

Figure 1 shows the Facility location and any overlap with other proposed or operational NextEra facilities. Figure 2 is a large-scale vicinity map showing the location of the Facility in relation to nearby cities and towns, county boundaries, public roads, and other geographic features.

4.4.2 Specific Location of Major and Supporting Facilities

Figure 1 shows the Facility location and any overlap with other proposed or operational NextEra facilities. Figure 2 shows the locations of all Facility infrastructure, which are described in detail in Section 4.1. The same figure highlights the proposed Intraconnection Lines and the two routing options (for Transmission Line A and Transmission Line B). Additionally, the figure includes the location of facilities throughout the Amended Site Boundary associated with the studied turbine layout. Although Figure 2 shows turbine locations, the intent of this application is to permit the amended wind micrositing corridors that are within the Amended Site Boundary. Therefore, the turbine locations as shown should be considered conceptual in nature and representative of a constructible design, not the final layout of the Facility. These turbine locations are used for impact calculation purposes only, and are subject to change at the time of construction with impacts less than or equal to the impacts presented in RFA 1.

The remaining figures that further describe Facility infrastructure are listed below.

- Figure 3 displays the anticipated GE 2.82-127 turbine typical spread-footing foundation design.
- Figure 4 shows the anticipated GE 2.82-127 turbine site including temporary and permanent disturbance footprint assumptions.

- Figure 5 displays the anticipated typical pad-mounted GSU transformer foundation design.
- Figure 6 shows the anticipated typical buried collector cable duck back design.
- Figure 7 displays the anticipated typical meteorological tower foundation design.
- Figure 8 shows the location of the Facility in relation to other energy generation facilities that are known to be permitted at the state or local level within 10 miles of the Amended Site Boundary.

4.4.3 Temporary and Permanent Disturbance Areas

See Table 4 for temporary and permanent impacts associated with the turbine layout, both previously approved and proposed, as well as any assumptions used to calculate these impact amounts. The individual component impact areas (for roads, the temporary construction yard, towers, etc.) were calculated using preliminary design data and represent the Certificate Holder's best estimate of preliminary impacts for each component; see Figures 3 through 7 which are inclusive of various infrastructure dimension and disturbance footprint information. However, the individual component impacts do not sum to the totals shown at the bottom of the table. This is because many of the individual component impact areas would overlap; simply summing the component impact areas would indicate greater impacts than would actually occur. Instead, the totals were calculated using consolidated data, with areas of overlap eliminated, to arrive at the Certificate Holder's best estimate for total temporary and permanent impact areas.

Table 4 establishes a range of permanent and temporary disturbance areas that can be considered the worst-case disturbance amounts for the Facility. The best-case disturbance scenario (out of the two worst-case disturbance scenarios presented) would be the development of the Facility utilizing Transmission Line A. Under this disturbance scenario, the Facility would result in approximately 148.79 acres of permanent disturbance and 1,044.59 acres of temporary disturbance. The worst-case disturbance scenario would be the development of the Facility utilizing Transmission Line B. Under this worst-case development scenario, the Facility would result in approximately 148.85 acres of permanent disturbance and 1,038.52 acres of temporary disturbance. As compared to the previously approved Facility impacts, the proposed worst-case development scenario (i.e., utilizing Transmission Line B), would add 552.22 acres of temporary impacts and 101.75 acres of permanent impacts to the previously approved maximum layout scenario.

This analysis uses the largest anticipated footprint for the Facility, the final equipment and layout selected will not exceed the impacts analyzed. Resource studies have been conducted for the amended wind micrositing corridors and Amended Site Boundary where components of the Facility will be sited. See Exhibits J, P, Q, and S for details regarding wetland, biological, and cultural surveys (Attachment 2). The wind turbines and supporting facilities will be microsited during the final design to avoid or minimize adverse impacts to resources to the extent practicable.

Table 4. Temporary and Permanent Disturbance Assumptions

Disturbance Type	Previously Approved[1]		Proposed	
	Temporary (acres)	Permanent (acres)	Temporary (acres)	Permanent (acres)
Wind Turbines[2]	112.7	5.1	223.7	8.8
Collector Lines[3]	97.3	N/A	300.4	N/A
BESS[4]	N/A	5.0	N/A	5.0[4]
Transmission Line A (230 kV)[5]	N/A	N/A	157.2	0.8
Transmission Line B (230 kV)[5]	N/A	N/A	153.5	1.2
Previously Approved Intraconnection Line[5]	N/A	0.9	N/A	N/A
Permanent New Roads[6]	38.0	27.1	632.4	126.7
Existing Access Road Improvements[6]	21.7	6.3	N/A	N/A
Temporary Access Roads (Transmission Line A)[6]	N/A	N/A	258.0	N/A
Temporary Access Roads (Transmission Line B)[6]	N/A	N/A	251.8	N/A
Previously Approved Intraconnection Line Access Roads[6]	144.0	N/A	N/A	N/A
Collector Substation - Preferred [7]	N/A	N/A	N/A	7.1

Disturbance Type	Previously Approved[1]		Proposed	
	Temporary (acres)	Permanent (acres)	Temporary (acres)	Permanent (acres)
Collector Substation - Alternative [7]	14.8	1.5	N/A	6.5
O&M Building	N/A	1.1	N/A	N/A
Temporary Construction Yard[8]	56.9	N/A	62.7	N/A
Meteorological Towers[9]	0.9	0.1	0.9	0.1
Total (Transmission Line A)[10]	**N/A**	**N/A**	**1,044.59**	**148.79**
Total (Transmission Line B)[10]	**N/A**	**N/A**	**1,038.52**	**148.85**
Total Previously Approved Maximum Layout[10]	**486.3**	**47.1**	**N/A**	**N/A**

1. Assumes maximum approved impacts as previously approved for the Facility; this includes a combination of infrastructure from the two previously approved turbine layouts.
2. Up to a total of 106 turbines are proposed with a permanent impact of 20-meter (66-foot) diameter, or 0.08 acres per turbine and a temporary impact of 101-meter (330-foot) diameter around each turbine, or about 2 acres in size. Previously approved turbines consisted of 66 turbines with a permanent impact of 20-meter (66-foot) diameter, or 0.08 acres per turbine and a temporary impact of 100-meter (328-foot) diameter around each turbine.
3. Temporary impact assumes a 26-foot (8 meters) temporary disturbance corridor and includes pulling/tensioning areas for buried lines. Assumes approximately 94.7 miles of underground line and no aboveground line. Previously approved collector lines consisted of up to 30 miles of underground line and 10.8 miles of overhead line with a 26-foot (8 meters) temporary disturbance corridor and 5-foot (1.5 meter) diameter circle for each aboveground support pole.
4. The 30-MW BESS will be located on up to five acres. Note that this acreage impact is included in the alternative substation permanent impacts and thus is not treated as a separate impact calculation. The previously approved 20-MW BESS had an approved 5 acres of permanent disturbance.
5. Overhead transmission line disturbance amounts include the support poles. Assumes a 50-foot temporary disturbance corridor plus pulling/tension areas (100-foot wide by 300-foot at every turning structure), and 1.5-meter-diameter permanent disturbance from the poles (multiplied by 2 posts). Assumes approximately 400-foot minimum spans between poles. Approximately a maximum of 26 miles long total (for both Transmission Line A and B routes). The previously approved Intraconnection Line consisted of up to 31.5 miles, 415 towers, with a 1.5-meter-diameter permanent disturbance from the poles (multiplied by 2 posts).

Disturbance Type	Previously Approved[1]		Proposed	
	Temporary (acres)	Permanent (acres)	Temporary (acres)	Permanent (acres)

6. New access roads are assumed to have a temporary impact corridor of 25 meters (82 feet) in width and a permanent impact corridor 5 meters (16 feet) in width. Assumes approximately 64 miles of new site access roads would be required; no existing road improvements. Similarly, temporary access roads will be necessary for Intraconnection Line construction and will also have a temporary impact corridor of 25 meters (82 feet), totaling approximately 26 miles for either Transmission Line A or B routes. The previously approved access roads (not associated with the Intraconnection Line) consisted of up to 20 miles of new or improved roads with a temporary disturbance corridor of 12 meters (39 feet) and permanent disturbance corridor of 5 meters (16 feet; minus 3 meters width of existing roadway for existing access road permanent impacts). The previously approved Intraconnection Line access roads consisted of up to 31.2 miles of road with a temporary disturbance corridor of 12 meters (39 feet) and no permanent disturbance.
7. The new and previously approved/alternative collector substations include a surrounding gravel area and other associated components. The new substation is 7 acres and the previously approved/alternative substation is 1.5 acres (6.5 acres including the BESS). The previously approved substation had a permitted range of up to 25 acres of temporary disturbance and up to 2 acres of permanent disturbance.
8. Temporary disturbance is calculated from one construction yard (approximately 60 acres). The four previously approved temporary construction yards had a permitted range of up to 20 acres of temporary disturbance.
9. Assumes five met towers disturbing a temporary 98-foot diameter area and permanent 32-foot diameter area. The five previously approved met towers had a temporary 98-foot diameter area and permanent 33-foot diameter area.
10. Totals eliminate any overlap of features (e.g., overlapping temporary workspace, disturbance types within fence line(s), etc.).

5.0 Division 21 Requirements – OAR 345-027-0360(1)(c)

OAR 345-027-0360 Preliminary Request for Amendment

(1) To request an amendment to the Site Certificate required by OAR 345-027-0350(3) and (4), the certificate holder shall submit a written preliminary request for amendment to the Department of Energy that includes the following:

*****

(c) References to any specific Division 21 information that may be required for the Department to make its findings;

The Certificate Holder has addressed applicable specific Division 21 information in response to Division 27 requirements and in exhibits included in Attachment 2. Exhibit labeling reflects the requirements of OAR 345-021-0010. However, because this is a Request for Amendment rather than an Application for Site Certificate, not all exhibits are applicable (see Table 5)[10].

Table 5. Division 21 List of Exhibits for RFA 1

Exhibits	
A – Applicant Information (See Sections 3.0, 5.1-5.3)	P – Fish and Wildlife Habitats and Species[1]
B – Project Description (See Section 4.0)	Q – Threatened and Endangered Species[1]
C – Property Location and Maps (See Section 4.4)	R – Scenic Resources
D – Organizational Information (See Section 5.4)	S – Historic, Cultural, and Archeological Resources[1]
E – Permits Needed for Construction and Operation (See Section 5.5)	T – Recreation
F - Property Ownership (See Section 8.0) [1]	U – Public Services
G – Material Analysis	V – Wildfire Prevention and Risk Mitigation
H – Geologic Hazards Evaluation	W – Waste Management
I – Soil Evaluation	X – Site Restoration
J – Wetlands and Other Jurisdictional Waters[1]	Y – Noise[1]
K – Land Use	AA – Electric and Magnetic Fields[1]
L – Protected Areas	CC – Additional Statutes, Rules, and Ordinances
M – Financial Analysis[1]	DD – Specific Standards
O – Water Use	
1. Indicates this exhibit will be part of a supplemental submittal.	

[10] Exhibits not applicable to RFA 1 are Exhibit N – Non-generating Facility Information, Exhibit Z – Cooling Towers, and Exhibit BB – Other Information.

Together, this document and the exhibits provide the necessary information for ODOE to make its findings, and based on those findings, that the Council can find that the Facility, as proposed, continues to comply with the requirements of the Oregon Energy Facility Site Statutes, ORS 469.300 to 469.520.

5.1 Other Participants – OAR 345-021-0010(1)(a)(B)

No other participants are anticipated at this time, with the exception of potential third-party permits that will be obtained by the construction firm for build-out of the Facility. These third-party permits include permits for obtaining aggregate and other construction materials, transporting materials to the site, and other building-related permits that are typically obtained immediately prior to construction activities. See Section 5.5 for all anticipated third-party permits.

5.2 Other Affiliations – OAR 345-021-0010(1)(a)(C) through (F)

Wheatridge East Wind, LLC, is a wholly-owned, indirect subsidiary of NextEra. The full name and address of NextEra is provided in Section 3.0.

5.3 Limited Liability Company Information – OAR 345-021-0010(1)(a)(H)

The articles of incorporation for Wheatridge East Wind, LLC was provided as part of RFA 1 for WREFII.

5.4 Organizational Expertise – OAR 345-021-0010(1)(d)

The Council previously found the Certificate Holder Owner has demonstrated an ability to construct, operate, and retire the Facility in compliance with Council standards and conditions of the Site Certificate as reviewed during WWEF RFA 1[11], RFA 2[12], RFA 3[13], RFA 4[14], and RFA 5[15], and the WREFII RFA 1[16]. The Certificate Holder is a wholly-owned, indirect subsidiary of NextEra. NextEra is headquartered in Juno Beach, Florida, and is the world's largest generator of wind[17] and solar renewable energy. NextEra is a regionally diversified company with approximately 5,100 employees dedicated to the production of approximately 21,000 MW, from 175 facilities in 36 states and four Canadian provinces. With more than 10,000 wind turbines in its fleet, NextEra's wind generation capacity totals more than 15,000 MW. NextEra is also capable of generating more

[11] Final Order on Request for Transfer for the Wheatridge Wind Energy Facility (July 2017)
[12] Final Order Request for Amendment 2 to the Site Certificate for the Wheatridge Wind Energy Facility (December 2018)
[13] Final Order on Request for Amendment 3 to the Site Certificate for the Wheatridge Wind Energy Facility (November 2018)
[14] Final Order on Request for Amendment 4 to the Site Certificate for the Wheatridge Wind Energy Facility (November 2019)
[15] Final Order on Request for Amendment 5 to the Site Certificate for the Wheatridge Wind Energy Facility (May 2020)
[16] Final Order on Request for Amendment 1 to the Site Certificate for the Wheatridge Renewable Energy Facility II (November 2020)
[17] https://www.nexteraenergyresources.com/what-we-do/wind.html

than 2,100 MW of electricity from natural gas facilities, operates three nuclear power plants with a capacity of more than 2,700 MW, and operates more than 3,000 MW of solar energy. It is estimated that nearly 95 percent of the electricity produced by NextEra comes from clean or renewable sources. NextEra is the first company to commit to completely eliminating carbon emissions from their operations by leveraging low-cost renewables to drive energy affordability for customers[18]. Along with its rate-regulated sister company, Florida Power and Light, NextEra is a wholly-owned subsidiary of NextEra Energy, Inc. (NYSE NEE). NextEra Energy, Inc. is a Fortune 150 Company with a market capitalization of approximately 134 billion dollars. The financial strength of NextEra and its parent company provides the company with the financial capital to self-finance and build up to 4 billion dollars of projects per year on its own balance sheet.

Within Oregon, NextEra subsidiaries (FPL Energy Vansycle, LLC and Vansycle II Wind, LLC) constructed, own, and operate 186 turbines, with a total peak generating capacity of 123 MW at the Stateline 1 and 2 wind energy facilities, and 42 turbines with a total peak generating capacity of 99 MW at the Vansycle II Wind Energy Facility. NextEra subsidiaries recently completed a 300-MW wind farm in Morrow County, Oregon—the Wheatridge Renewable Energy Facility I and II—and the Wheatridge Renewable Energy Facility III, a solar facility that includes battery storage in Morrow County, Oregon. These projects were permitted through the Council. For all projects in Oregon, NextEra has and continues to comply with preconstruction, construction, and operational requirements as enforced by the Council. Through this relationship, the Certificate Holder's management team and the NextEra family of companies have deep regional expertise, derived over years of successfully permitting and operating hundreds of MWs of wind energy projects in the Oregon. NextEra employees have deep local ties to the communities we operate in, and a solid history of understanding local economic development, permitting, environmental concerns and compliance with the various conditions stipulated within a Council Site Certificate. There are no recorded citations, nor North American Energy Reliability Corporation violations, for these projects.

There are no circumstances that would alter the basis for the Council's earlier findings regarding NextEra's organizational expertise. Therefore, Council may rely on its previous findings that NextEra continues to have the organizational expertise to construct, operate, and retire the Facility in compliance with Council standards and Site Certificate conditions.

5.5 Required Permits – OAR 345-021-0010(1)(e)

This section provides information about permits that the Certificate Holder will need for construction and operation of the Facility to meet the submittal requirements of OAR 345-021-0010(1)(e) paragraphs (A) through (G). While OAR 345 Division 22 does not provide an approval standard specific to Exhibit E, permits identified in Table 6 (OAR 345-021-0010(1)(e)(A) and (B)) are identified in each applicable exhibit included in Attachment 2. The proposed changes do not

[18] https://www.nexteraenergy.com/real-zero.html

require any new permits, nor any new Site Certificate conditions for permits, which were not previously considered by the Council[19, 20, 21, 22].

[19] Final Order on Application for the Wheatridge Wind Energy Facility (April 2017)
[20] Final Order on Request for Amendment 4 to the Site Certificate for the Wheatridge Wind Energy Facility (November 2019)
[21] Final Order on Request for Amendment 5 to the Site Certificate for the Wheatridge Wind Energy Facility (May 2020)
[22] Final Order on Request for Amendment 1 to the Site Certificate for the Wheatridge Renewable Energy Facility II (November 2020)

Table 6. Permits

Permit	Agency	Authority/Description
Federal Permits		
Notice of Proposed Construction or Alteration (Form 7460-1)	Federal Aviation Administration (FAA) Attn: Dan Shoemaker, Airspace Specialist Seattle Obstruction Evaluation Group 1601 Lind Avenue SW Renton, WA 98057 (425) 227-2791 Dan.shoemaker@faa.gov	Federal Aviation Act of 1958 (14 U.S.C. § 44718); 14 CFR § 77 Description: Required for construction of any object over 200 feet above ground level at the location of the proposed action, and for construction of structures within specified distances of runways or helipads. No permit is issued by the FAA. This federal process is not within the jurisdiction of the Council and therefore should not be included in the Site Certificate.
Supplemental Notice of Actual Construction or Alteration (Form 7460-2)	FAA Attn: Dan Shoemaker, Airspace Specialist Seattle Obstruction Evaluation Group 1601 Lind Avenue SW Renton, WA 98057 (425) 227-2791 Dan.shoemaker@faa.gov	Federal Aviation Act of 1958 (14 U.S.C. § 44718); 14 CFR § 77 Description: Submission of the Supplemental Notice of Actual Construction or Alteration form must be filed within five days after construction reaches its greatest height as specified in the No Hazard Determination. No permit is issued by the FAA. This federal process is not within the jurisdiction of the Council and therefore should not be included in the Site Certificate.
State Permits Not Federally Delegated		
Energy Facility Site Certificate	Oregon Department of Energy and Energy Facility Siting Council Attn: Duane Kilsdonk 550 Capitol Street NE Salem, OR 97301 (503) 378-8328 duane.kilsdonk@energy.oregon.gov	ORS 469.300 et seq.; OAR Chapter 345, Divisions 1, 21-24 Description: This Site Certificate is the subject of this amendment request.
Water Right Permit or Water Use Authorization	Oregon Water Resources Department Water Rights Section, District 5 Attn: Greg Silbernagel, District 5 Watermaster 116 SE Dorion Avenue Pendleton, OR 97801 (541) 278-5456 Greg.M.Silbernagel@oregon.gov	ORS 537 and 540.505-589; OAR 690, Divisions 310, 340, and 410 Description: If water is not available from existing permitted sources, the Certificate Holder could seek temporary authorization for water use. However, the Certificate Holder does not anticipate that a Limited Use License would be needed because water for construction will be obtained from municipal suppliers with sufficient existing water rights. Information regarding the municipal water providers that would supply water for Facility construction is provided in Exhibit O. In the event such an authorization is needed, the third-party contractor would work directly with the Oregon Water Resources Department and therefore the authorization should not be included in and governed by the Site Certificate.
General Water Pollution Control Facilities (WPCF) Permit[23], WPCF-1000, Gravel Mining and Batch Plant	ODEQ, Eastern Region Attn: Sean Rochette, Technical Assistance 800 SE Emigrant Avenue, Suite 330 Pendleton, OR 97801 (541) 633-2036 Rochette.Sean@deq.state.or.us	ORS 468B; OAR Chapter 340, Divisions 40, 41, 44, 45, 52 Description: A WPCF-1000 authorizes the permittee to operate a wastewater collection, treatment, control, and disposal system for sand, gravel, and other nonmetallic mineral quarrying and mining operations, including asphalt-mix batch plants, concrete batch plants, and other related activities. If a temporary batch plant is required for Facility construction, the Certificate Holder or its third-party contractor will obtain a WPCF-1000 permit directly from ODEQ, and therefore this permit should not be included in and governed by the Site Certificate.

[23] Note that the WPCF 1700-B permit is not included due to the ODEQ website stating the permit expired as of October 31, 2017.

Permit	Agency	Authority/Description
Oversize Load Movement Permit/Load Registration	Oregon Department of Transportation (ODOT) Attn: Thomas Lapp, Permit Specialist ODOT District 12 1327 SE Third Street Pendleton, OR 97801 (503) 278-3450 Thomas.Lapp@odot.state.or.us	ORS 818.030; OAR Chapter 734, Division 82 Description: Authorization for oversized loads. Movement of construction cranes and other equipment and materials may require this permit. If needed, the Certificate Holder's third-party contractor will obtain this permit and load registration from ODOT and therefore this permit should not be included in and governed by the Site Certificate.
Access Management Permit	ODOT Attn: Thomas Lapp, Permit Specialist ODOT District 12 1327 SE Third Street Pendleton, OR 97801 (503) 278-3450 Thomas.Lapp@odot.state.or.us	OAR Chapter 734, Division 51 Description: Access from Oregon state highways will require an access permit, which may be issued by the local ODOT District Offices. If needed, the Certificate Holder's third-party contractor will obtain this permit directly from ODOT and therefore this permit should not be included in and governed by the Site Certificate.
Permit to Occupy or Perform Operations Upon a State Highway	ODOT Attn: Thomas Lapp, Permit Specialist ODOT District 12 1327 SE Third Street Pendleton, OR 97801 (503) 278-3450 Thomas.Lapp@odot.state.or.us	OAR Chapter 734, Division 55 (Pole Lines, Buried Cables, and Miscellaneous Operations) Description: Utility installations within the right-of-way of a state highway in Oregon require a permit issued by the ODOT. If needed, the Certificate Holder's third-party contractor will obtain this permit directly from ODOT and therefore this permit should not be included in and governed by the Site Certificate.
Aeronautical Study of Obstruction Standards	Oregon Department of Aviation Attn: Heather Peck, Project Manager 3040 25th Street, SE Salem, OR 97302 (503) 378-3168 Heather.Peck @odav.oregon.gov	14 CFR § 77; ORS 836.530 and 836.535; OAR Chapter 738, Division 70 Description: The Oregon Department of Aviation provides an aeronautical study and determination letter following review of Form 7460-1 for structures greater than 500 feet above ground surface. No permit is issued by the Oregon Department of Aviation. The aeronautical study is useful in understanding the 7460-1 process and is within the Council jurisdiction. Therefore, this permit should be included in and governed by the Site Certificate.
State Electrical Permit	Oregon Department of Consumer & Business Services, Building Codes Division Attn: Permit Technician 800 SE Emigrant Avenue, Suite 360 Pendleton, OR 97801 (541) 276-7814	OAR 918, Division 309 Description: A state electrical permit is required prior to the installation of electric, phone, or cable service to the Facility collector substations. Electrical permits may be obtained in person at the Building Codes Division Pendleton office, or online through the state's e-permitting system (available at: https://aca-oregon.accela.com/oregon/Default.aspx). A state electrical permit will be obtained by the third-party contractor prior to construction of each component for which electrical, phone, or cable service will be required and therefore should not be included in and governed by the Site Certificate.
Building Permit	Oregon Department of Consumer & Business Services, Building Codes Division Attn: Ty Woolsey, Building Official 500 SW Dorion Avenue Pendleton, OR 97801 (541) 966-0205	OAR 734, Division 51 Description: A building permit is required prior to beginning construction of the Facility. Umatilla County does not have its own building department, so building permits are issued by the Oregon State Building Codes Agency. A building permit will be obtained by the third-party contractor prior to construction of each component for which a building permit would be required; therefore, this permit should not be included in or governed by the Site Certificate.

Permit	Agency	Authority/Description
State Permits Federally Delegated		
NPDES Stormwater Discharge Permit 1200-C	Oregon Department of Environmental Quality (ODEQ), Eastern Region Attn: Patty Isaak, Permit Coordinator 800 SE Emigrant Avenue, Suite 330 Pendleton, OR 97801 (541) 278-4605 Patty.Isaak@state.or.us	Clean Water Act, Section 402 (33 United States Code [U.S.C.] § 1342); 40 Code of Federal Regulations (CFR) § 122; ORS 468 and 468B; OAR Chapter 340, Division 45 Description: An NPDES permit is required for construction activities that will disturb one or more acres of land and has a potential to impact waters of the state. The Certificate Holder will obtain this permit directly from ODEQ and it should not be included in and governed by the Site Certificate.
NPDES Stormwater Discharge and Mine Dewatering Discharge Permit 1200-A	ODEQ, Eastern Region Attn: Patty Isaak, Permit Coordinator 800 SE Emigrant Avenue, Suite 330 Pendleton, OR 97801 (541) 278-4605 Patty.Isaak@deq.oregon.gov	Clean Water Act, Section 402 (33 USC § 1342); 40 CFR § 122; ORS 468 and 468B; OAR Chapter 340, Division 45 Description: A NPDES permit is required for discharge of stormwater from a point source to surface water or to a conveyance system that discharges to surface water. This applies to both the concrete batch plants and gravel quarries. This federal process is not within the jurisdiction of the Council and therefore should not be included in and governed by the Site Certificate.
Basic Air Contaminant Discharge Permit	ODEQ, Eastern Region Attn: Patty Isaak, Permit Coordinator 800 SE Emigrant Avenue, Suite 330 Pendleton, OR 97801 (541) 278-4605 Patty.Isaak@state.or.us	Clean Air Act (42 U.S.C. Section 7401 *et seq.*); 40 CFR Parts 50, 51, and 52; ORS Chapters 468 and 468A; Oregon Administrative Rules (OAR) Chapter 340, Division 216 Description: A Basic Air Contaminant Discharge Permit authorizes the permittee to operate a stationary or portable concrete manufacturing plant that produces more than 5,000 but less than 25,000 cubic yards per year output. If a stationary or portable concrete manufacturing plant is required for Facility construction, the Certificate Holder or its third-party contractor will obtain a Basic Air Contaminant Discharge Permit from ODEQ for concrete batch plants used during construction. This federal process is not within the jurisdiction of the Council and therefore should not be included in and governed by the Site Certificate.
Local Permits		
Conditional Use Permit and Zoning Permit	Morrow County Planning Department Attn: Tamra Mabbott, Planning Director P.O. Box 40 205 Third Street NE Irrigon, OR 97844 (541) 922-4624 tmabbott@co.morrow.or.us	Morrow County Comprehensive Plan; Morrow County Zoning Ordinance Article 1, Section 1.050; Article 3, Section 3.010(C)-(D) and 3.010(K)(3); Article 6 Description: The Certificate Holder elects to obtain a Council determination under ORS Chapter 469.504(1)(b). Under ORS 469.401(3), following issuance of the Site Certificate, the County, upon the Certificate Holder's submission of the proper application and fee, shall issue the permits addressed in the Site Certificate, subject only to the conditions set forth in the Site Certificate and without hearings or other proceedings. Because the Council will make the land use determination, this permit should be included in and governed by the Site Certificate.
Building Permit	City of Boardman Building Department (provides services for building projects within Morrow County) Attn: Glenn McIntire, Building Official 200 City Center Circle P.O. Box 229 Boardman, OR 97818 (541) 481-9252 mcintireg@cityofboardman.com	ORS 455; Oregon Administrative Rules 734, Division 51 Description: A building permit is required prior to beginning construction of the Facility. Morrow County does not have its own building department, so relies on the City of Boardman Building Department for review and approval of all building permits in the county. A building permit will be obtained by the third-party contractor prior to construction of each component for which a building permit will be required; therefore, this permit should not be included in and governed by the Site Certificate.
Utility Crossing Permit and Access Approach Site Permit	Morrow County Public Work Attn: Eric Imes, Public Works Director P.O. Box 428 Lexington, OR 97839 (541) 989-9500 eimes@co.morrow.or.us	ORS 374.305 to 374.325; Morrow County Zoning Ordinance Article 4, Section 4.010(B) Description: A Utility Crossing permit is required to install a utility within or across a County road right-of-way. Approach Site Permits will be required for new Facility access points with county roads, or for upgrades to existing county roads. If required, these permits will be obtained by the third-party contractor prior to construction. Therefore, this permit should not be included in and governed by the Site Certificate.

Permit	Agency	Authority/Description
Construction Permit to Build on Right-of-Way	Morrow County Public Works Attn: Eric Imes, Public Works Director P.O. Box 428 Lexington, OR 97839 (541) 989-9500 eimes@co.morrow.or.us	Morrow County Zoning Ordinance Article 4, Section 4.010(B) Description: A construction permit is required to make improvements to access roads that intersect with county road rights-of-way or to make improvements to existing public roads. If required, this permit will be obtained by the third-party contractor prior to construction. Therefore, this permit should not be included in and governed by the Site Certificate.
Oversize Load Movement Permit	Morrow County Public Works Attn: Eric Imes, Public Works Director P.O. Box 428 Lexington, OR 97839 (541) 989-9500 eimes@co.morrow.or.us	Morrow County Zoning Ordinance Section 4.010(B) Description: This permit will be required to transport loads that exceed standard size and/or weight limits on county roads. If required, this permit will be obtained by the construction contractor prior to construction. Therefore, this permit should not be included in and governed by the Site Certificate.
Conditional Use Permit and Zoning Permit	Umatilla County Department of Land Use Planning Attn: Bob Waldher, Planning Director 216 SE 4th Street Pendleton, OR 97801 (541) 278-6251 Robert.Waldher@umatillacounty.net	Umatilla County Comprehensive Plan and Development Code, Section 152.060 Description: The Certificate Holder elects to obtain a Council determination under ORS Chapter 469.504(1)(b). Under ORS 469.401(3), following issuance of the Site Certificate, the County, upon the Certificate Holder's submission of the proper application and fee, shall issue the permits addressed in the Site Certificate, subject only to the conditions set forth in the Site Certificate and without hearings or other proceedings. Because the Council will make the land use determination, this permit should be included in and governed by the Site Certificate.
Installation of Utilities on County and Public Roads Permit and Construction of Road Approaches and Private Road Crossings Permit	Umatilla County Public Works Department Attn: Public Works Director 3920 Westgate Street Pendleton, OR 97801 (541) 278-5424	ORS 374.305 to 374.325 Description: A Utility Crossing permit is required any time a utility is constructed within or across a public right-of-way. Access Permit may be required if the Facility access roads intersect with public roads, or if necessary, upgrades to existing access roads affect a public road. These permits will be obtained by the third-party contractor prior to construction. Therefore, this permit should not be included in or governed by the Site Certificate.

5.5.1 Permit Applications Not Federally Delegated – OAR 345-021-0010(1)(e)(C)

(i) In Exhibit J for permits related to wetlands.

No permits for wetland impacts will be required. Please see Exhibit J for additional information.

(ii) In Exhibit O for permits related to water rights.

Water for construction will be obtained from a nearby city under an existing municipal water right. Water for operations will be provided by a municipal water source and/or by the existing exempt well at the shared/existing Operations and Maintenance Building. The Certificate Holder expects to rely on the exempt well allowed under ORS 537.545 currently providing water to the shared/existing O&M building. This well will use less than 5,000 gallons per day, which will not require the Certificate Holder to obtain a new water right. See Exhibit O for additional information.

5.5.2 Permit Applications Federally Delegated – OAR 345-021-0010(1)(e)(D)

The EPA has delegated authority to the Oregon Department of Environmental Quality (ODEQ) to issue NPDES stormwater discharge permits for construction and operations activities. The Certificate Holder will obtain an NPDES permit; see Exhibit I for further details. The Certificate Holder will obtain an NPDES permit based on final design directly from the ODEQ, as it is outside the jurisdiction of the Council.

5.5.3 Third Party State or Local Permits – OAR 345-021-0010(1)(e)(E)

(i) Evidence that the applicant has, or has a reasonable likelihood of entering into, a contract or other agreement with the third party for access to the resource or service to be secured by that permit.

As outlined above, the Certificate Holder or its contractors will obtain the permits as needed for construction and operation. The third-party permits listed in Table 7 are routine and common permits in Oregon and are not dependent on a unique resource or location. During construction and operation, the Certificate Holder will select similarly qualified contractors with experience constructing renewable energy facilities and a reasonable likelihood of securing the required permits.

Table 7. Potential Third-Party State or Local Permits

Permit Name	Facility Phase	Description
ODEQ General WPCF Permit, WPCF-1000, Gravel Mining and Batch Plant	Construction	If a temporary batch plant is required for Facility construction, a WPCF-1000 permit will be obtained to manage wastewater and stormwater from temporary concrete batch plants.
Oregon Water Resources Department, Water Right Permit, or Water Use Authorization	Construction and Operation	A limited water use license will be obtained for water derived from an existing or newly constructed on-site well or wells (not anticipated due to usage of the existing well at the shared/existing O&M building).

Permit Name	Facility Phase	Description
ODOT Oversized Load Movement Permit/Load Registration	Construction	An oversize load movement permit/load registration will be required for transporting large or overweight equipment to the site over state roads.
ODOT Access Management Permit	Construction	An access permit will be required for access usage of Oregon state highways.
ODOT Permit to Occupy or Perform Operations Upon a State Highway	Construction	A permit to occupy or perform operations will be required for utility installations within the right-of-way of a state highway.

(ii) Evidence that the third party has, or has a reasonable likelihood of obtaining, the necessary permit.

As indicated above, for each permit identified, the Certificate Holder has worked with contractors familiar with constructing or operating renewable energy facilities (for example, at the adjacent Wheatridge facilities), and who are knowledgeable of the requirements for applications and activities under such permits. The Certificate Holder will select the same, or similar, contractors who have the necessary experience to likely obtain the necessary permits.

5.5.4 Third Party Federally Delegated Permits – OAR 345-021-0010(1)(e)(F)

If a stationary or portable concrete manufacturing plant is required for Facility construction, the Certificate Holder may direct its third-party contractor to obtain a Basic Air Contaminant Discharge Permit (Clean Air Act [42 U.S.C. Section 7401 et seq.]; 40 CFR Parts 50, 51, and 52; ORS Chapters 468 and 468A; OAR Chapter 340, Division 216) to authorize the temporary establishment of concrete batch plants at the Facility. This permit typically is required for the construction of renewable energy facilities in Oregon, to provide a source of concrete in the vicinity of the construction activities. A contractor familiar with constructing renewable energy facilities will have experience obtaining this permit from ODEQ.

5.5.5 Monitoring – OAR 345-021-0010(1)(e)(G)

To the extent that monitoring may be required for any permit conditions, monitoring programs are discussed in the specific exhibit to which the permits pertain. The Certificate Holder will comply with monitoring requirements imposed by the Council and other jurisdictions responsible for granting permits or authorizations for the Facility.

6.0 Site Certificate Revisions – OAR 345-027-0360(1)(d)

OAR 345-027-0360 Preliminary Request for Amendment

(1) To request an amendment to the Site Certificate required by OAR 345-027-0350(3) and (4), the certificate holder shall submit a written preliminary request for amendment to the Department of Energy that includes the following:

*****

(d) The specific language of the Site Certificate, including conditions, that the certificate holder proposes to change, add or delete through the amendment;

A redlined Site Certificate is included as Attachment 1. Generally, the proposed changes to language in the Site Certificate include amending the Facility description to include the expanded Amended Site Boundary, increasing the peak generating capacity, increasing the maximum number of turbines and the associated dimensions, extending the construction completion date, and making minor edits to conditions for clarity purposes. Additional proposed changes are redlined in Attachment 1. Condition edits include the following:

- Revise Condition GEN-GS-02 to extend the construction completion date.
- Revise Condition GEN-LU-06 to clarify county setback requirements.
- Remove Conditions GEN-LU-07 and PRE-SP-03 as they specifically relate to the construction of O&M buildings. Similarly, make minor alterations to other conditions as they related to O&M building construction (i.e., Conditions GEN-LU-05, GEN-LU-09, GEN-SR-02, GEN-PS-02, PRE-SS-01, PRE-LU-07, PRO-SP-01, OPR-PS-01, and OPR-PS-02).
- Remove Condition PRE-OE-06 for the proposed Intraconnection Line will not be constructed by a third party.
- Revise Condition PRE-RF-02 to reflect the updated cost estimate.
- Revise Conditions PRE-FW-01 and PRE-TE-01 to reflect edits requested by the Oregon Department of Fish and Wildlife.
- Revise Conditions PRE-NC-01 and OPR-NC-01 to clarify noise mitigation options.
- Revise Condition CON-FW-04 to clarify timing of construction environmental monitoring.
- Revise Condition CON-HC-01 to clarify construction cultural resource monitoring requirements.
- Add shared use condition for usage of the WREFII O&M building:

  GEN-OE-05: The certificate holder is authorized to share related or supporting facilities including the Wheatridge Renewable Energy Facility II O&M Building, which is governed under the WREFII site certificate.

a. Within 30 days of use by both certificate holders of the shared facilities, the certificate holder must provide evidence to the Department that the certificate holders of the shared facilities have an executed agreement for shared use of any constructed shared facilities.

b. If WREFII proposes to substantially modify any of the shared facilities listed in sub(a) of this condition, each certificate holder shall submit an amendment determination request or request for site certificate amendment to obtain a determination from the Department on whether a site certificate amendment is required or to process an amendment for both site certificates in order to accurately account for any significant change in the decommissioning amount required under Retirement and Financial Assurance Condition 5.

c. Prior to facility decommissioning or if facility operations cease, each certificate holder shall submit an amendment determination request or request for site certificate amendment to document continued ownership and full responsibility, including coverage of full decommissioning amount of the shared facilities in the bond or letter of credit pursuant to Retirement and Financial Assurance Condition 5, for the operational facility, if facilities are decommissioned at different times.

7.0 Other Standards and Permits – OAR 345-027-0360(1)(e)

OAR 345-027-0360 Preliminary Request for Amendment

(1) To request an amendment to the Site Certificate required by OAR 345-027-0350(3) and (4), the certificate holder shall submit a written preliminary request for amendment to the Department of Energy that includes the following:

*****

(e) A list of all Council standards and other laws, including statutes, rules and ordinances, applicable to the proposed change, and an analysis of whether the facility, with the proposed change, would comply with those applicable laws and Council standards. For the purpose of this rule, a law or Council standard is "applicable" if the Council would apply or consider the law or Council standard under OAR 345-027-0375(2); and

A list of statutes, administrative rules, and local government ordinances relevant to Site Certificate issuance for the Facility is provided in Exhibit CC. No additional statutes, rules, or ordinances need to be added based on the proposed change.

Council standards relevant to RFA 1 include Division 22 (General Standards for Siting Facilities) and Division 24 (Specific Standards for Siting Facilities). Division 23, which applies to non-generating facilities, does not apply to wind power generating facilities. Similarly, inapplicable provisions of Division 24 (e.g., standards applicable to gas plants, gas storage, non-generating facilities) are not discussed.

The proposed changes to the Facility do not alter the basis for the Council's earlier findings for the Facility. The primary purpose of RFA 1 is to take advantage of market demand and technological

advances. Table 8 identifies Council standards and other laws reviewed as part of RFA 1 and their applicability to RFA 1. The Facility will comply with all existing applicable Site Certificate conditions. The appended exhibits (see Attachment 2) contain the information necessary for the Council to find that the Facility, with the proposed changes, continues to meet the standards of the relevant laws.

This page intentionally left blank

Table 8. Standards and Laws Relevant to Proposed Amendment

Standard	Applicability & Compliance	Related Site Certificate Conditions
OAR 345-022-0000 General Standard of Review	Applicable and complies. The Council previously found that the Facility complies with the General Standard of Review. Oregon's Renewable Portfolio Standard establishes a requirement for how much of Oregon's electricity must come from renewable resources like wind. The current Oregon Clean Energy Targets bill (HB 2021) requires electricity providers to reduce the greenhouse gas emissions associated with electricity sold in Oregon to 100 percent below baseline emissions levels by 2040. RFA 1 is another step for the Facility to contribute to meeting this requirement. RFA 1 does not alter the basis for the Council's prior findings regarding the general standard of review and does not alter the Certificate Holder's ability to comply with the Site Certificate conditions.	GEN-GS-01 Commencement of construction GEN-GS-02 Completion of construction GEN-GS-03 Compliance during all phases GEN-GS-04 Permission to construct GEN-GS-05 Notification of environmental impacts GEN-GS-06 Inclusion of representations GEN-GS-07 Vegetation restoration GEN-GS-08 Construct to prioritize human safety GEN-GS-09 Notification of foundation changes GEN-GS-10 Notification of other geological observations GEN-GS-11 Transfer of ownership GEN-GS-12 Specification of corridor OPR-GS-01 Submission of legal description
OAR 345-022-0010 Organizational Expertise	Applicable and complies. The Certificate Holder management team and the NextEra family of companies have deep regional expertise, derived over years of successfully permitting and operating hundreds of MWs of wind energy projects in Oregon and throughout the U.S. RFA 1 does not alter the basis for the Council's prior findings regarding organizational expertise and does not alter the Certificate Holder's ability to comply with the Site Certificate conditions. See Section 5.4 for accompanying analysis.	GEN-OE-01 Responsibility of non-compliance GEN-OE-02 Report of Site Certificate violations GEN-OE-03 Report of change in corporate structure GEN-OE-04 Compliance with laws for battery disposal & transport PRE-OE-01 Notification of contractor identities PRE-OE-02 Notification of construction manager PRE-OE-03 Compliance of construction workers PRE-OE-04 Notification of non-surveying activities PRE-OE-05 Proof of aggregate source and county permits PRE-OE-06 Proof of third-party approvals and permits
OAR 345-022-0020 Structural Standard	Applicable and complies. RFA 1 does not alter the basis for the Council's prior findings regarding the structural standard and does not alter the Certificate Holder's ability to comply with the Site Certificate conditions. See Exhibit H for accompanying analysis.	GEN-SS-01 Compliance with building codes PRE-SS-01 Geological investigation reporting PRE-SS-02 Investigation of active faults PRE-SS-03 Investigation of slope instability PRE-SS-04 Investigation of loess soil
OAR 345-022-0022 Soil Protection	Applicable and complies. Additional permanent and temporary disturbance will occur as a result of the additional wind turbines and Amended Site Boundary. RFA 1 does not alter the basis for the Council's prior findings regarding soil protection and does not alter the Certificate Holder's ability to comply with the Site Certificate conditions. See Section 4.4 and Exhibit I for accompanying analysis.	PRE-SP-01 Spill Prevention, Control, and Countermeasure construction plans PRE-SP-02 Restoration of agricultural soils PRE-SP-03 Septic system permitting CON-SP-01 Erosion and Sediment Control Plan CON-SP-02 Best management practices to be included in Erosion and Sediment Control Plan PRO-SP-01 Submission of operational Spill Prevention, Control, and Countermeasure OPR-SP-01 Prevention of erosion, soil disturbance

Standard	Applicability & Compliance	Related Site Certificate Conditions
OAR 345-022-0030 Land Use	Applicable and complies. The Facility, as proposed, will not force a significant change in accepted farm practices, nor will it significantly increase the cost of farm practices. RFA 1 does not alter the basis for the Council's prior findings regarding land use and does not alter the Certificate Holder's ability to comply with the Site Certificate conditions. See Exhibit K for accompanying analysis.	GEN-LU-01 Compliance with county setbacks GEN-LU-02 County road permits and standards GEN-LU-03 Meteorological tower requirements GEN-LU-04 Usage of minimum land area GEN-LU-05 Blending with natural surroundings GEN-LU-06 Micro siting to minimum road/highway setbacks GEN-LU-07 Blending of O&M Building GEN-LU-08 Best management of access roads GEN-LU-09 Notification of project infrastructure locations GEN-LU-10 Delivery of annual report PRE-LU-01 Obtain local permitting PRE-LU-02 Obtain Conditional Use Permit PRE-LU-03 Preparation of Weed Control Plan PRE-LU-04 Recording of a Covenant Not to Sue for Morrow County PRE-LU-05 Consultation with landowners PRE-LU-06 Identification of construction traffic concerns PRE-LU-07 Obtain county zoning permits PRE-LU-08 Installation of gates and signs to private access roads PRE-LU-09 Recording of a Covenant Not to Sue for Umatilla County CON-LU-01 Minimization of footprint CON-LU-02 Installation of bird deterring devices CON-LU-03 Installation of underground cable system OPR-LU-01 Submission of as-built surveys for construction phases OPR-LU-02 Restoration of disturbed areas OPR-LU-03 Completion of final retirement plan OPR-LU-04 Preparation of Operating and Facility Maintenance Plan OPR-LU-05 Submission of as-built changes OPR-LU-06 Retirement restoration activities
OAR 345-022-0040 Protected Areas	Applicable and complies. Visual, noise and traffic impacts were reviewed for the proposed changes. RFA 1 does not alter the basis for the Council's prior findings regarding protected areas and does not alter the Certificate Holder's ability to comply with the Site Certificate conditions. See Exhibit L for accompanying analysis.	N/A
OAR 345-022-0050 Retirement and Financial Assurance	Applicable and complies. With the proposed changes, the Certificate Holder is still able to restore the site to a useful, nonhazardous condition following permanent cessation of construction or operation of the Facility. RFA 1 does not alter the basis for the Council's prior findings regarding retirement and financial assurance and does not alter the Certificate Holder's ability to comply with the Site Certificate conditions. See Exhibits M and X for accompanying analyses.	GEN-RF-01 Prevention of non-restorable site PRE-RF-01 Letter of credit to restore site to non-hazardous condition PRE-RF-02 Letter of credit naming State as payee OPR-RF-01 Evidence of monthly inspections of battery storage and insurance for high loss catastrophic events RET-RF-01 Compliance with retirement plan RET-RF-02 Retirement of Facility upon cessation of activities

Standard	Applicability & Compliance	Related Site Certificate Conditions
OAR 345-022-0060 Fish and Wildlife Habitat	Applicable and complies. The land added into the Amended Site Boundary is in areas surveyed for fish and wildlife habitat as documented in Exhibit P. The Habitat Mitigation Plan will be finalized after final design to account for Facility impacts per Condition PRE-FW-04. RFA 1 does not alter the basis for the Council's prior findings regarding fish and wildlife habitat and does not alter the Certificate Holder's ability to comply with the Site Certificate conditions. See Exhibit P for accompanying analysis.	GEN-FW-01 Speed limit requirement GEN-FW-02 Avian protection PRE-FW-01 Confirmation of habitat categories, nests via habitat survey PRE-FW-02 Implementation of Wildlife Monitoring and Mitigation Plan PRE-FW-03 Flagging of environmentally sensitive areas PRE-FW-04 Approval of Habitat Mitigation Plan PRE-FW-05 Approval of Revegetation Plan CON-FW-01 Cease construction in winter within Mule Deer Winter Range CON-FW-02 Buffer zones for nest sites CON-FW-03 Environmental training by professional CON-FW-04 Appointment of on-site environmental inspector
OAR 345-022-0070 Threatened and Endangered Species	Applicable and complies. The Facility will be constructed within the Amended Site Boundary where impacts to threatened and endangered species have been reviewed. RFA 1 does not alter the basis for the Council's prior findings regarding threatened and endangered species and does not alter the Certificate Holder's ability to comply with the Site Certificate conditions. See Exhibit Q for accompanying analysis.	PRE-TE-01 Determination of Washington ground squirrel (WAGS) boundaries PRE-TE-02 Implementation of Wildlife Monitoring and Mitigation Plan for WAGS PRE-TE-03 Avoidance of Laurent's milkvetch impacts
OAR 345-022-0080 Scenic Resources	Applicable and complies. The ASC reviewed visual impacts for the Facility on Scenic Resources. RFA 1 does not alter the basis for the Council's prior findings regarding scenic resources and does not alter the Certificate Holder's ability to comply with the Site Certificate conditions. See Exhibit R for accompanying analysis.	GEN-SR-01 Reduction of lighting Facility visual impacts GEN-SR-02 Minimization of visual impacts
OAR 345-022-0090 Historic, Cultural and Archaeological Resources	Applicable and complies. Surveys were conducted for the Amended Site Boundary and identified resources will be protected per Site Certificate conditions and an Unanticipated Discovery Plan. RFA 1 does not alter the basis for the Council's prior findings regarding historical, cultural or archeological resources and does not alter the Certificate Holder's ability to comply with the Site Certificate conditions. See Exhibit S for accompanying analysis.	PRE-HC-01 Submission of final design PRE-HC-02 Marking of buffer areas PRE-HC-03 Training by qualified archeologist CON-HC-01 Flagging of 200-foot avoidance buffer CON-HC-02 Work cease due to historical find
OAR 345-022-0100 Recreation	Applicable and complies. RFA 1 does not alter the basis for the Council's prior findings regarding recreation areas and does not alter the Certificate Holder's ability to comply with the Site Certificate conditions. See Exhibit T for accompanying analysis.	N/A

Standard	Applicability & Compliance	Related Site Certificate Conditions
OAR 345-022-0110 Public Services	Applicable and complies. The proposed changes are not anticipated to substantially increase the demand of public services generated by the Facility. RFA 1 does not alter the basis for the Council's prior findings regarding public services and does not alter the Certificate Holder's ability to comply with the Site Certificate conditions. See Exhibit U for accompanying analysis.	GEN-PS-01 Coordination with solid waste handler GEN-PS-02 Installation of security measures GEN-PS-03 Fire prevention and response training GEN-PS-04 100-foot vegetation free zone around battery storage systems PRE-PS-01 Preparation of Traffic Management Plan PRE-PS-02 Road Use Agreements with counties PRE-PS-03 Access road and private road modification approvals PRE-PS-04 Federal Aviation Administration (FAA) and Oregon Department of Aviation (ODA) aeronautical studies and determinations PRE-PS-05 Preparation of Emergency Management Plan PRE-PS-06 Development of health and safety plan PRE-PS-07 Assurance of first aid/CPR/AED personnel CON-PS-01 Waste management plan protocols CON-PS-02 Establish on-site security CON-PS-03 Assurance of fall, high angle, confined space trained personnel CON-PS-04 Usage of concrete pads, nonflammable ground cover CON-PS-05 Maintenance of non-vegetated area PRO-PS-01 Fall protection/tower rescue training PRO-PS-02 Submission of site plan to fire protection officials PRO-PS-03 Assurance of current first aid/CPR/AED personnel OPR-PS-01 Discharge of wastewater OPR-PS-02 On-site well water usage OPR-PS-03 Implementation of waste management plan OPR-PS-04 Current contact information for personnel
OAR 345-022-0120 Waste Minimization	Applicable and complies. The proposed changes are not anticipated to substantially increase the amount of solid waste and wastewater generated by the Facility. RFA 1 does not alter the basis for the Council's prior findings regarding waste minimization and does not alter the Certificate Holder's ability to comply with the Site Certificate conditions. See Exhibit W for accompanying analysis.	PRE-WM-01 Minimum waste management plan requirements PRE-WM-02 Confirmation of no surface/ground/drinking water impacts CON-WM-01 Requirements of off-site soil disposal
OAR 345-024-0010 Public Health and Safety Standards for Wind Energy Facilities	Applicable and complies. NextEra family of companies has expertise, derived over years of successfully operating hundreds of MWs of wind energy projects; see Section 5.4. RFA 1 does not alter the basis for the Council's prior findings regarding public and safety and does not alter the Certificate Holder's ability to comply with the Site Certificate conditions. See Exhibit H for structural information and Exhibit DD for accompanying analysis.	GEN-WF-01 Following handling instructions GEN-WF-02 Notification of accidents/failures CON-WF-01 Installation of step-up transformers CON-WF-02 Maintenance of self-monitoring devices OPR-WF-01 Assurance of operation security fencing and gates
OAR 345-024-0015 Siting Standards for Wind Energy Facilities	Applicable and complies. The proposed changes are being designed in consideration of cumulative adverse environmental effects. RFA 1 does not alter the basis for the Council's prior findings regarding siting standards for wind energy facilities and does not alter the Certificate Holder's ability to comply with the Site Certificate conditions. See Exhibit DD for accompanying analysis.	N/A
OAR 345-024-0090 Transmission Lines	Applicable and complies. RFA 1 does not alter the basis for the Council's prior findings regarding transmission line standards and does not alter the Certificate Holder's ability to comply with the Site Certificate conditions. See Exhibit DD for accompanying analysis.	PRE-TL-01 Oregon Public Utility Commission (OPUC) Safety, Reliability, and Security Division Staff briefing CON-TL-01 Management of human exposure to electromagnetic fields OPR-TL-01 Final Facility design operations information provided to OPUC Safety Staff

Standard	Applicability & Compliance	Related Site Certificate Conditions
OAR 340-035-0035 Noise	Applicable and complies. A noise analysis is being completed as part of wind micrositing to minimize noise impacts. RFA 1 does not alter the basis for the Council's prior findings regarding noise and does not alter the Certificate Holder's ability to comply with the Site Certificate conditions. See Exhibit Y for accompanying analysis.	PRE-NC-01 Final Facility design noise analysis and noise waiver if applicable CON-NC-01 Measure to reduce noise impacts during construction OPR-NC-01 Noise Reduced Operating mode turbines operating noise level documentation OPR-NC-02 Certificate Holder to maintain a noise complaint response system OPR-NC-03 Certificate Holder will provide a monitoring plan for noise levels in response to a noise complaint
Removal-Fill Law	Applicable and complies. A removal-fill permit is not needed for the Facility because the Facility will not temporarily or permanently impact waters of the state. RFA 1 does not alter the basis for the Council's prior findings regarding the removal-fill law and does not alter the Certificate Holder's ability to comply with the Site Certificate conditions. See Exhibit J for accompanying analysis.	N/A
Water Rights	Applicable and complies. The increase in water volume from the proposed changes will be minimal in comparison to other land uses and the water sources remain the same as for the approved Facility. RFA 1 does not alter the basis for the Council's prior findings regarding water rights and does not alter the Certificate Holder's ability to comply with the Site Certificate conditions. See Exhibit O for accompanying analysis.	N/A

This page intentionally left blank

8.0 Property Owners of Record – OAR 345-027-0360(1)(f))

OAR 345-027-0360 Preliminary Request for Amendment

(1) To request an amendment to the Site Certificate required by OAR 345-027-0350(3) and (4), the certificate holder shall submit a written preliminary request for amendment to the Department of Energy that includes the following:

*****

(f) A list of the names and mailing addresses of property owners, as described in this rule:

(A) The list must include all owners of record, as shown on the most recent property tax assessment roll, of property located:

(i) Within 100 feet of property which the subject of the request for amendment, where the subject property is wholly or in part within an urban growth boundary;

(ii) Within 250 feet of property which is the subject of the request for amendment, where the subject property is outside an urban growth boundary and not within a farm or forest zone; or

(iii) Within 500 feet of property which is the subject of the request for amendment, where the subject property is within a farm or forest zone; and

(B) In addition to incorporating the list in the request for amendment, the applicant must submit the list to the Department in an electronic format acceptable to the Department.

A revised property owner list and accompanying map will be provided in Attachment 3.

9.0 Conclusion

Based on this submittal and attached exhibits (see Attachment 2), the Council can find that the Facility, as modified by RFA 1, continues to comply with the requirements of the Oregon Energy Facility Site Statutes, ORS 469.300 to 469.520, with all other Oregon statutes and administrative rules applicable to the amendment of the Site Certificate that are within the Council's jurisdiction, and that the existing and amended Site Certificate conditions ensure that the Facility will continue to comply with the applicable laws, standards, and rules. For these reasons, the Certificate Holder respectfully requests approval of RFA 1.

10.0 References

APLIC (Avian Power Line Interaction Committee). 2012. Reducing Avian Collisions with Power Lines: The State of the Art in 2012. Edison Electric Institute and APLIC. Washington, D.C.

Available online at: https://www.aplic.org/uploads/files/15518/Reducing_Avian_Collisions_2012watermarkLR.pdf.

Battery University. 2020. BU-304a: Safety Concerns with Li-ion. Last Updated February 2022. Available online at: http://batteryuniversity.com/learn/article/safety_concerns_with_li_ion.

Energy Storage Association. 2022. *Lithium Ion (LI-ION) Batteries*. http://energystorage.org/energy-storage/technologies/lithium-ion-li-ion-batteries.

LAZARD. 2016. Lazard's Levelized Cost of Storage—Version 2.0. December 2016. Available online at: https://www.lazard.com/media/438042/lazard-levelized-cost-of-storage-v20.pdf.

NFPA (National Fire Protection Association). 2022. NFPA Codes and Standards. Standard 68 on Explosion Protection by Deflagration Venting. Standard 69 on Explosion Prevention Systems. Available online at: https://www.nfpa.org/Codes-and-Standards/All-Codes-and-Standards/List-of-Codes-and-Standards.

UL Solutions. 2022. UL 9540A Test Method. Available online at: https://www.ul.com/services/ul-9540a-test-method.

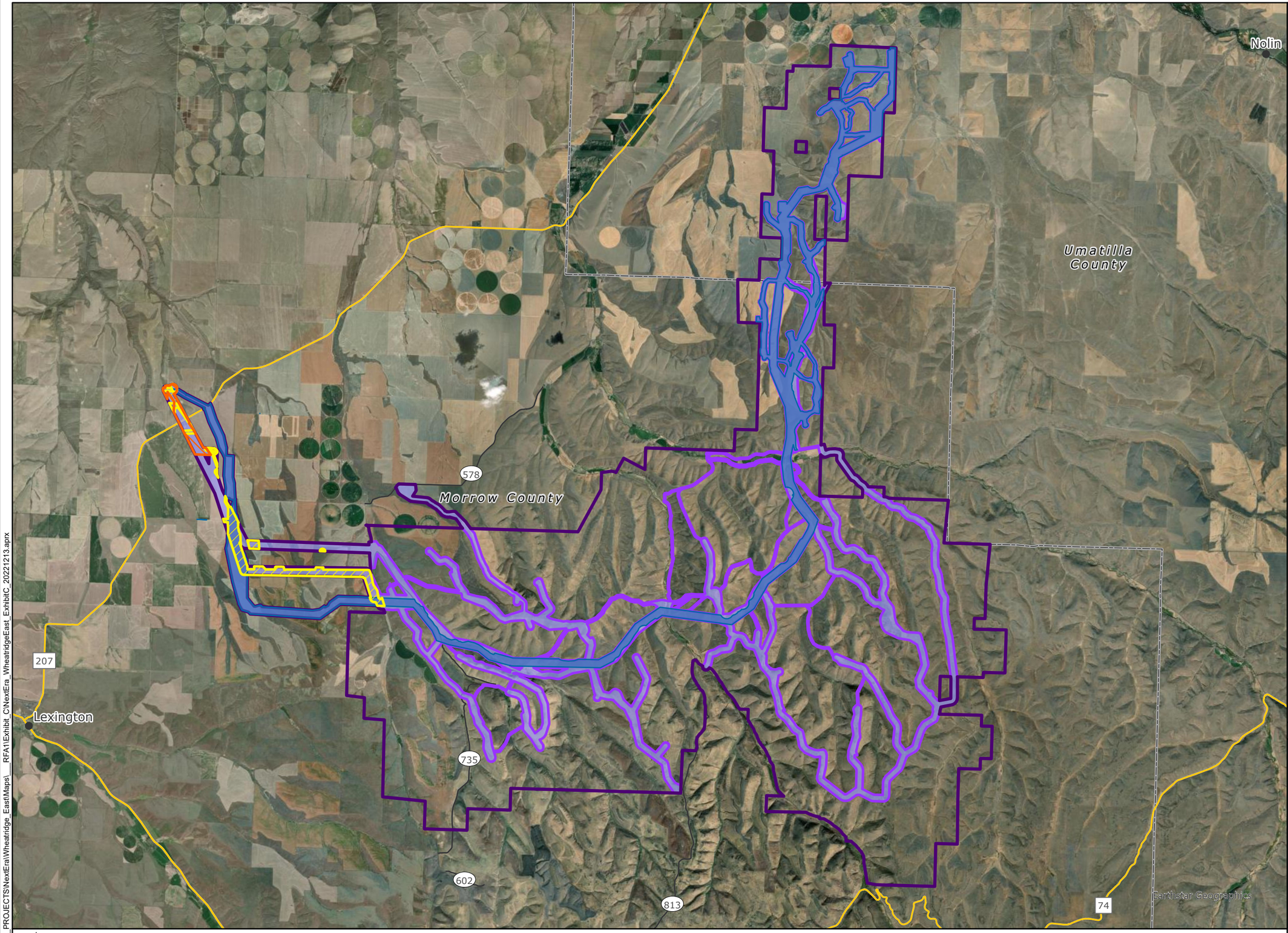
Figures

This page intentionally left blank

Wheatridge Renewable Energy Facility East

Figure 1
Project Boundaries

MORROW AND UMATILLA COUNTIES, OR



- Amended Site Boundary (79,424 acres)
- Amended Wind Micrositing Corridors
- Permitted Wheatridge East (WREFE) Site Boundary (5,772 acres)
- Overlapping Site Boundary (WREFI, WREFII, WREFIII)
- Overlapping Site Boundary (Wagon Trail Solar-Proposed)
- City/Town
- County Boundary
- State Highway
- County Highway

TETRA TECH

NEXTera ENERGY RESOURCES

Reference Map

1:135,000 WGS 1984 UTM Zone 11N

0 0.5 1 2 3 4 Miles

NOT FOR CONSTRUCTION

P:\GIS_PROJECTS\NextEra\Wheatridge_EastMaps__RFA1\Exhibit_C\NextEra_WheatridgeEast_ExhibitC_20221213.aprx

Wheatridge Renewable Energy Facility East

Figure 2
Project Layout
Index Map

MORROW AND UMATILLA COUNTIES, OR

- Turbines
- Met Tower
- Access Road
- Proposed Substation
- Alternate Substation and Battery Storage
- Laydown Area
- Underground Collector Line
- Transmission Line Option A
- Transmission Line Poles Option A
- Transmission Line Option B
- Transmission Line Poles Option B
- Shared/Existing O&M Building
- Shared/Existing Blue Ridge Substation

- Amended Site Boundary
- Amended Wind Micrositing Corridors
- State Highway
- County Highway
- City/Town
- County Boundary
- Map Grid

Figure 2.1
Figure 2.2
Figure 2.3
Figure 2.4
Figure 2.5
Figure 2.6
Figure 2.7
Figure 2.8
Figure 2.9
Figure 2.10
Figure 2.11

Umatilla County
Morrow County
Lexington
207
578
735
602
813
74

TETRA TECH
NEXTera ENERGY RESOURCES

Reference Map

1:135,000
WGS 1984 UTM Zone 11N
0 0.5 1 2 3 4 Miles
NOT FOR CONSTRUCTION

P:\GIS_PROJECTS\NextEra\Wheatridge_EastMaps__RFA1\Exhibit_C\NextEra_WheatridgeEast_ExhibitC_20221010.aprx

Wheatridge Renewable Energy Facility East

Figure 2.1
Project Layout Details

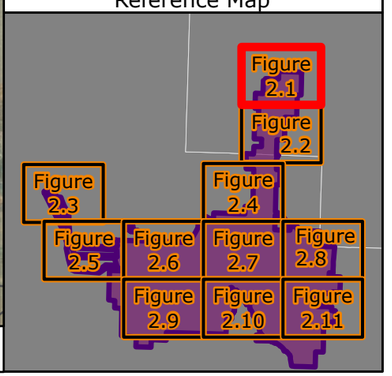
MORROW AND UMATILLA COUNTIES, OR

- Amended Site Boundary
- Amended Wind Micrositing Corridors
- Local Roads
- Turbines
- Met Tower
- Access Road
- Underground Collector Line

TETRA TECH

NEXTera ENERGY RESOURCES

Reference Map



Garden Creek Rd
Co 1352 Rd
Eagle Ranch Rd
Vey Rd
Co 1348 Rd
Service Butte Rd
Co 1349 Rd
Maxar

1:24,000 1 inch equals 2,000 feet WGS 1984 UTM Zone 11N

0 0.5 1 2 Miles

NOT FOR CONSTRUCTION

P:\GIS_PROJECTS\NextEra\Wheatridge_EastMaps__RFA1\Exhibit_C\NextEra_WheatridgeEast_ExhibitC_20221010.aprx

Wheatridge Renewable Energy Facility East

Figure 2.2 Project Layout Details

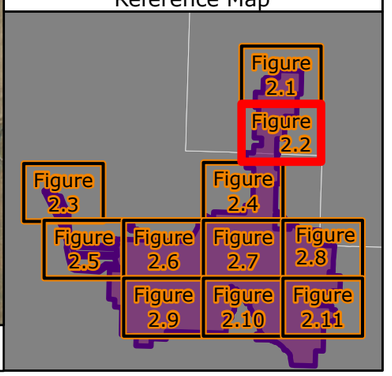
MORROW AND UMATILLA COUNTIES, OR

- Amended Site Boundary
- Amended Wind Micrositing Corridors
- Local Roads
- Turbines
- Met Tower
- Access Road
- Underground Collector Line

TETRA TECH

NEXTera ENERGY RESOURCES

Reference Map



Service Butte Rd

Co 13:9 Rd

Vey Rd

Tony Vey Rd

827

Natl Forest Develop Road 825 Rd

Maxar

1:24,000 1 inch equals 2,000 feet WGS 1984 UTM Zone 11N

0 0.5 1 2 Miles

NOT FOR CONSTRUCTION

P:\GIS_PROJECTS\NextEra\Wheatridge_EastMaps___RFA1\Exhibit_C\NextEra_WheatridgeEast_ExhibitC_20221010.aprx

Wheatridge Renewable Energy Facility East

Figure 2.3 Project Layout Details

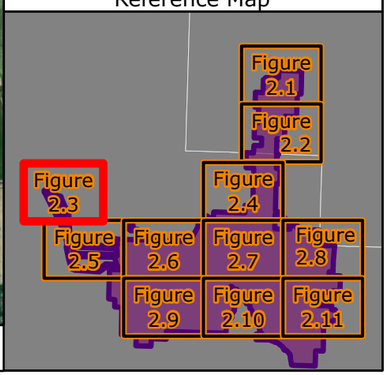
MORROW AND UMATILLA COUNTIES, OR

- Amended Site Boundary
- Amended Wind Micrositing Corridors
- State Highway
- Local Roads
- Transmission Line Option A
- Transmission Line Poles Option A
- Transmission Line Option B
- Transmission Line Poles Option B
- Shared/Existing O&M Building
- Shared/Existing Blue Ridge Substation

TETRA TECH

NEXTera ENERGY RESOURCES

Reference Map



Strawberry East Rd
Barak Martin Rd N
Strawberry Ln
Bombing Range Rd
Lexington-Echo Hwy
Grieb Ln
Barak Martin Rd
207
Kilkenny Rd
Kemp Rd
Beach Ln
Maxar

1:24,000 1 inch equals 2,000 feet WGS 1984 UTM Zone 11N 0 0.5 1 2 Miles

NOT FOR CONSTRUCTION

P:\GIS_PROJECTS\NextEra\Wheatridge_EastMaps__RFA1\Exhibit_C\NextEra_WheatridgeEast_ExhibitC_20221010.aprx

Wheatridge Renewable Energy Facility East

Figure 2.4 Project Layout Details

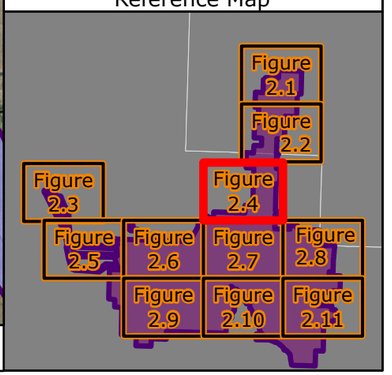
MORROW AND UMATILLA COUNTIES, OR

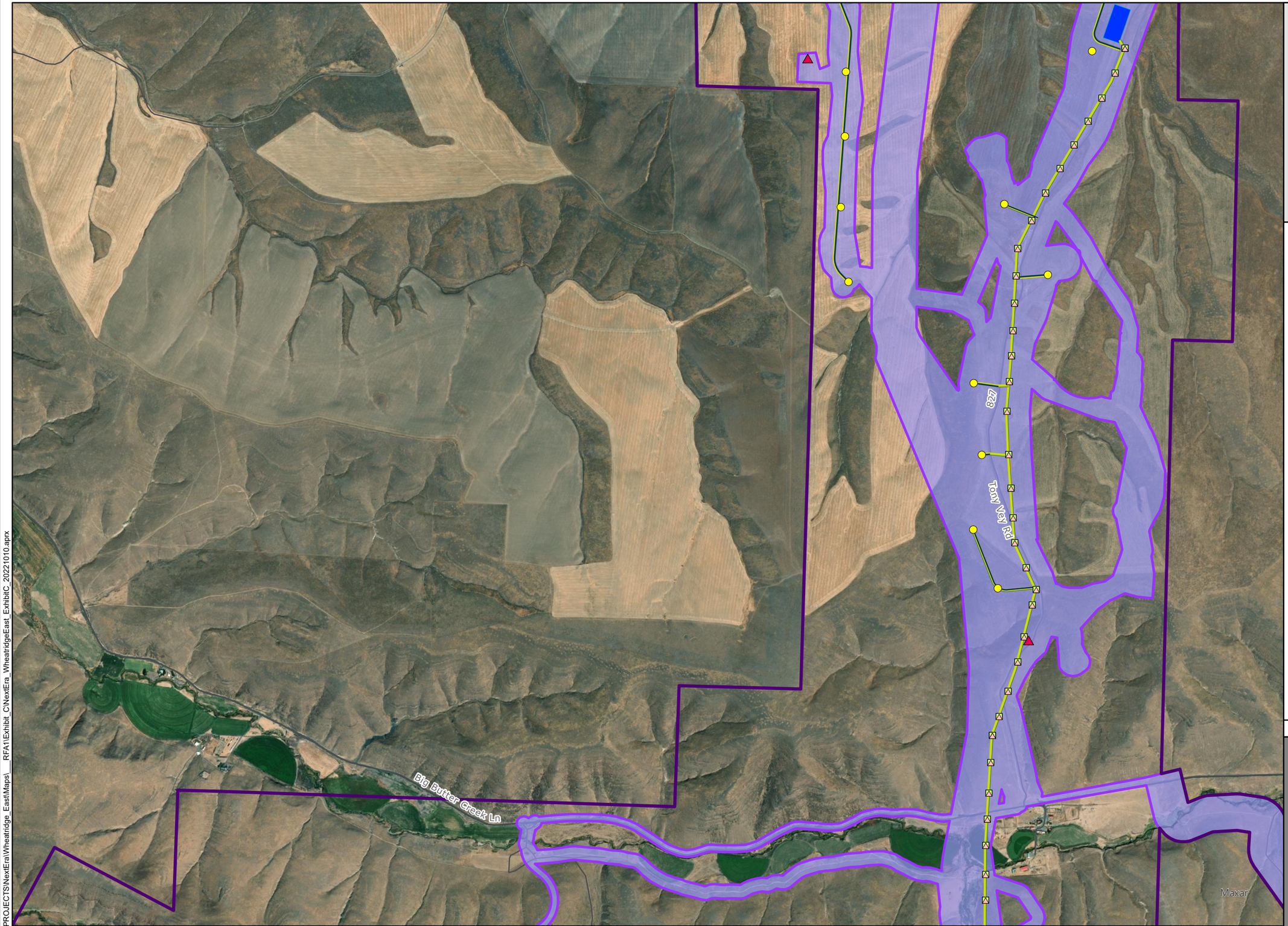
- Amended Site Boundary
- Amended Wind Micrositing Corridors
- Local Roads
- Turbines
- Met Tower
- Access Road
- Alternate Substation and Battery Storage
- Underground Collector Line
- Transmission Line Option A
- Transmission Line Poles Option A
- Transmission Line Option B
- Transmission Line Poles Option B

TETRA TECH

NEXTera ENERGY RESOURCES

Reference Map





1:24,000 1 inch equals 2,000 feet WGS 1984 UTM Zone 11N

0 0.5 1 2 Miles

NOT FOR CONSTRUCTION

P:\GIS_PROJECTS\NextEra\Wheatridge_East\Maps___RFA1\Exhibit_C\NextEra_WheatridgeEast_ExhibitC_20221010.aprx

Wheatridge Renewable Energy Facility East

Figure 2.5 Project Layout Details

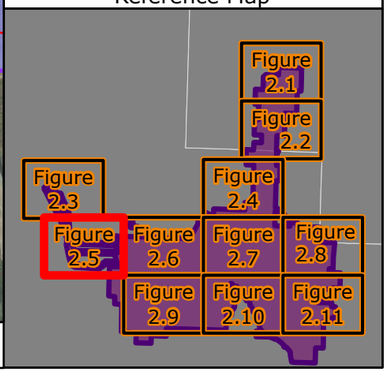
MORROW AND UMATILLA COUNTIES, OR

- Amended Site Boundary
- Amended Wind Micrositing Corridors
- County Highway
- Local Roads
- Transmission Line Option A
- Transmission Line Poles Option A
- Transmission Line Option B
- Transmission Line Poles Option B

TETRA TECH

NEXTera ENERGY RESOURCES

Reference Map



1:24,000 1 inch equals 2,000 feet WGS 1984 UTM Zone 11N 0 0.5 1 2 Miles

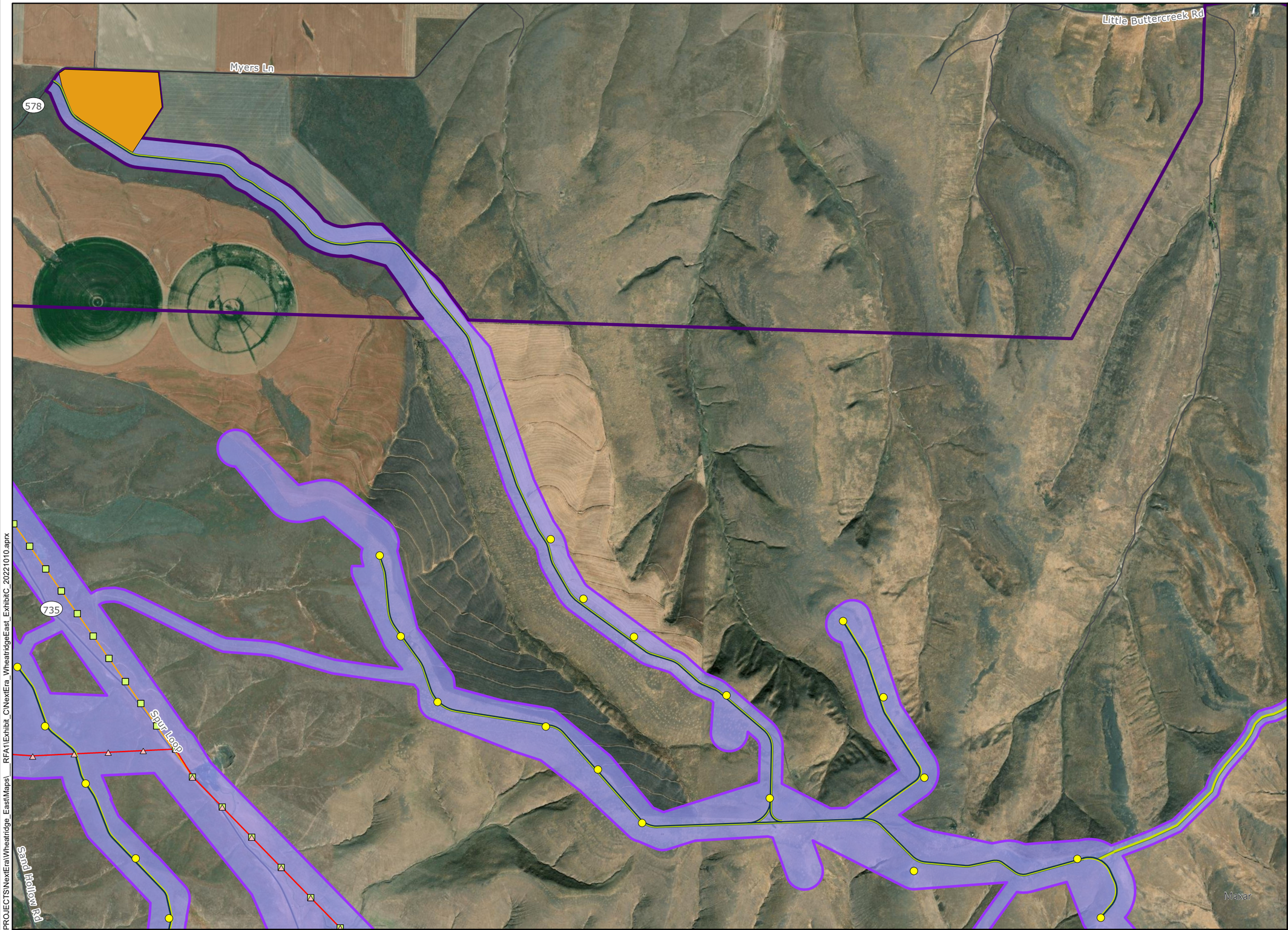
NOT FOR CONSTRUCTION

P:\GIS_PROJECTS\NextEra\Wheatridge_East\Maps___RFA1\Exhibit_C\NextEra_WheatridgeEast_ExhibitC_20221010.aprx

Wheatridge Renewable Energy Facility East

Figure 2.6 Project Layout Details

MORROW AND UMATILLA COUNTIES, OR

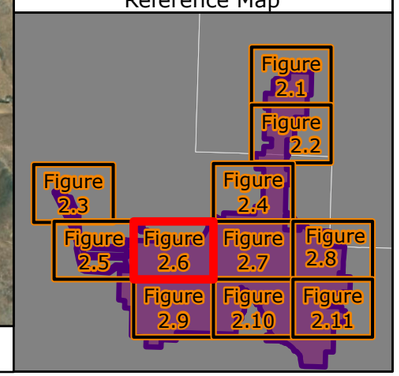


- Amended Site Boundary
- Amended Wind Micrositing Corridors
- County Highway
- Local Roads
- Turbines
- Access Road
- Laydown Area
- Underground Collector Line
- Transmission Line Option A
- Transmission Line Poles Option A
- Transmission Line Option B
- Transmission Line Poles Option B

TETRA TECH

NEXTera ENERGY RESOURCES

Reference Map



1:24,000 1 inch equals 2,000 feet WGS 1984 UTM Zone 11N

0 0.5 1 2 Miles

NOT FOR CONSTRUCTION

P:\GIS_PROJECTS\NextEra\Wheatridge_East\Maps__RFA1\Exhibit_C\NextEra_WheatridgeEast_ExhibitC_20221010.aprx

Wheatridge Renewable Energy Facility East

Figure 2.7 Project Layout Details

MORROW AND UMATILLA COUNTIES, OR

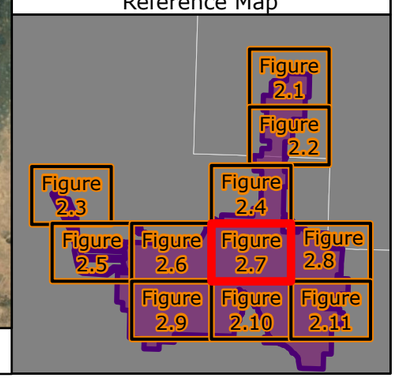
Little Buttercreek Rd

- Amended Site Boundary
- Amended Wind Micrositing Corridors
- Local Roads
- Turbines
- Access Road
- Proposed Substation
- Underground Collector Line
- Transmission Line Option A
- Transmission Line Poles Option A
- Transmission Line Option B
- Transmission Line Poles Option B

TETRA TECH

NEXTera ENERGY RESOURCES

Reference Map



Maxar

1:24,000 1 inch equals 2,000 feet WGS 1984 UTM Zone 11N

0 0.5 1 2 Miles

NOT FOR CONSTRUCTION

P:\GIS_PROJECTS\NextEra\Wheatridge_EastMaps__RFA1\Exhibit_C\NextEra_WheatridgeEast_ExhibitC_20221010.aprx

Wheatridge Renewable Energy Facility East

Figure 2.8 Project Layout Details

MORROW AND UMATILLA COUNTIES, OR

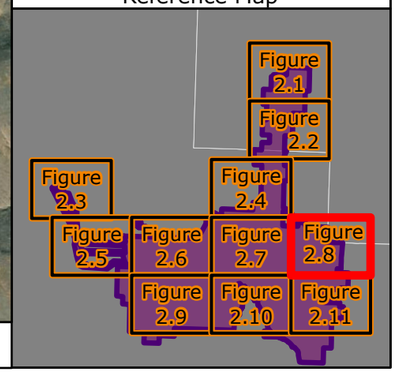
Co 1400 Rd
Butter Creek Rd
Big Butter Creek Rd

- Amended Site Boundary
- Amended Wind Micrositing Corridors
- Local Roads
- Turbines
- Access Road
- Underground Collector Line

TETRA TECH

NEXTera ENERGY RESOURCES

Reference Map



1:24,000 1 inch equals 2,000 feet WGS 1984 UTM Zone 11N

0 0.5 1 2 Miles

NOT FOR CONSTRUCTION

P:\GIS_PROJECTS\NextEra\Wheatridge_EastMaps___RFA1\Exhibit_C\NextEra_WheatridgeEast_ExhibitC_20221010.aprx

Wheatridge Renewable Energy Facility East

Figure 2.9 Project Layout Details

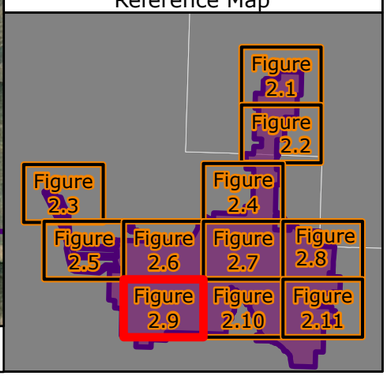
MORROW AND UMATILLA COUNTIES, OR

- Amended Site Boundary
- Amended Wind Micrositing Corridors
- County Highway
- Local Roads
- Turbines
- Access Road
- Underground Collector Line
- Transmission Line Option A
- Transmission Line Poles Option A
- Transmission Line Option B
- Transmission Line Poles Option B

TETRA TECH

NEXTera ENERGY RESOURCES

Reference Map



Spur Loop

Sand Hollow Rd

735

Maxar

1:24,000 1 inch equals 2,000 feet WGS 1984 UTM Zone 11N

0 0.5 1 2 Miles

NOT FOR CONSTRUCTION

P:\GIS_PROJECTS\NextEra\Wheatridge_EastMaps___RFA1\Exhibit_C\NextEra_WheatridgeEast_ExhibitC_20221010.aprx

Wheatridge Renewable Energy Facility East

Figure 2.10 Project Layout Details

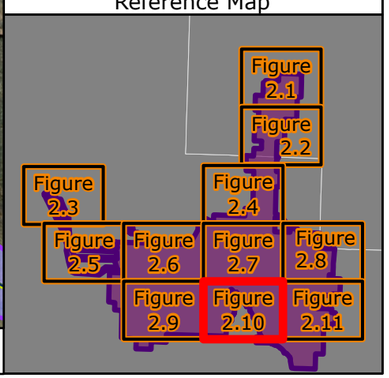
MORROW AND UMATILLA COUNTIES, OR

- Amended Site Boundary
- Amended Wind Micrositing Corridors
- County Highway
- Local Roads
- Turbines
- Access Road
- Underground Collector Line
- Transmission Line Option A
- Transmission Line Poles Option A
- Transmission Line Option B
- Transmission Line Poles Option B

TETRA TECH

NEXTera ENERGY RESOURCES

Reference Map



Little Buttercreek Rd
Healy Rd
Little Butter Creek Rd
813
Maxar

1:24,000 1 inch equals 2,000 feet WGS 1984 UTM Zone 11N

0 0.5 1 2 Miles

NOT FOR CONSTRUCTION

P:\GIS_PROJECTS\NextEra\Wheatridge_EastMaps__RFA1\Exhibit_C\NextEra_WheatridgeEast_ExhibitC_20221010.aprx

Wheatridge Renewable Energy Facility East

Figure 2.11 Project Layout Details

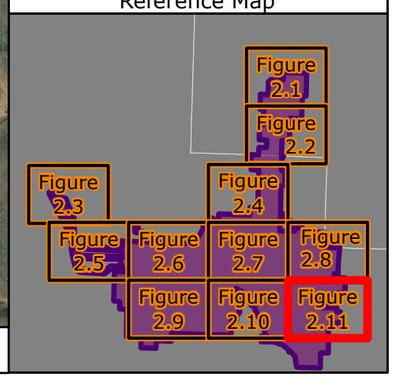
MORROW AND UMATILLA COUNTIES, OR

- Amended Site Boundary
- Amended Wind Micrositing Corridors
- Local Roads
- Turbines
- Access Road
- Underground Collector Line

TETRA TECH

NEXTera ENERGY RESOURCES

Reference Map



Hughes-Hirl Rd

Maxar

1:24,000 1 inch equals 2,000 feet WGS 1984 UTM Zone 11N

0 0.5 1 2 Miles

NOT FOR CONSTRUCTION

P:\GIS_PROJECTS\NextEra\Wheatridge_East\Maps___RFA1\Exhibit_C\NextEra_WheatridgeEast_ExhibitC_20221010.aprx

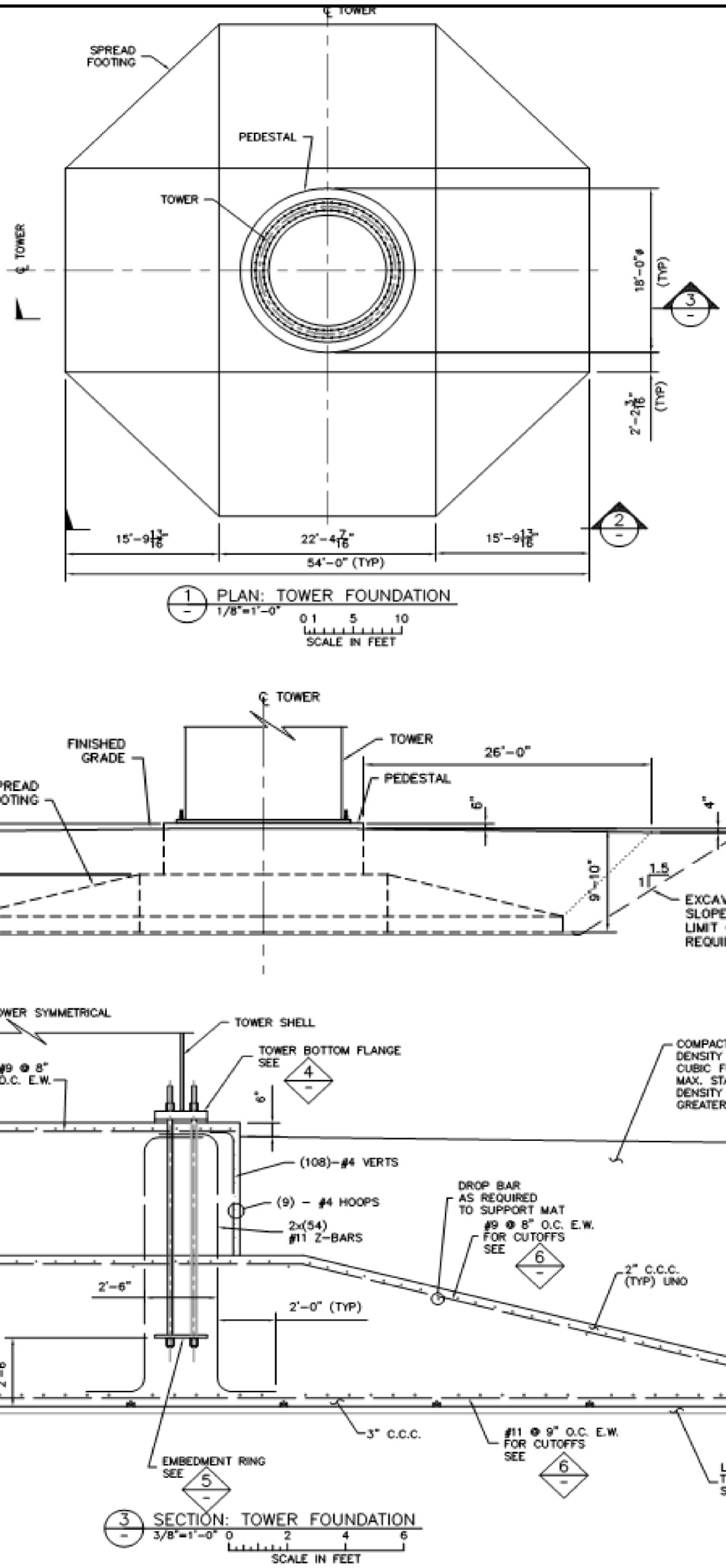


Figure 3

Wheatridge Renewable Energy Facility East

GE 2.82-127 Turbine Typical Spread-footing Foundation

NEXTera ENERGY RESOURCES

TETRA TECH

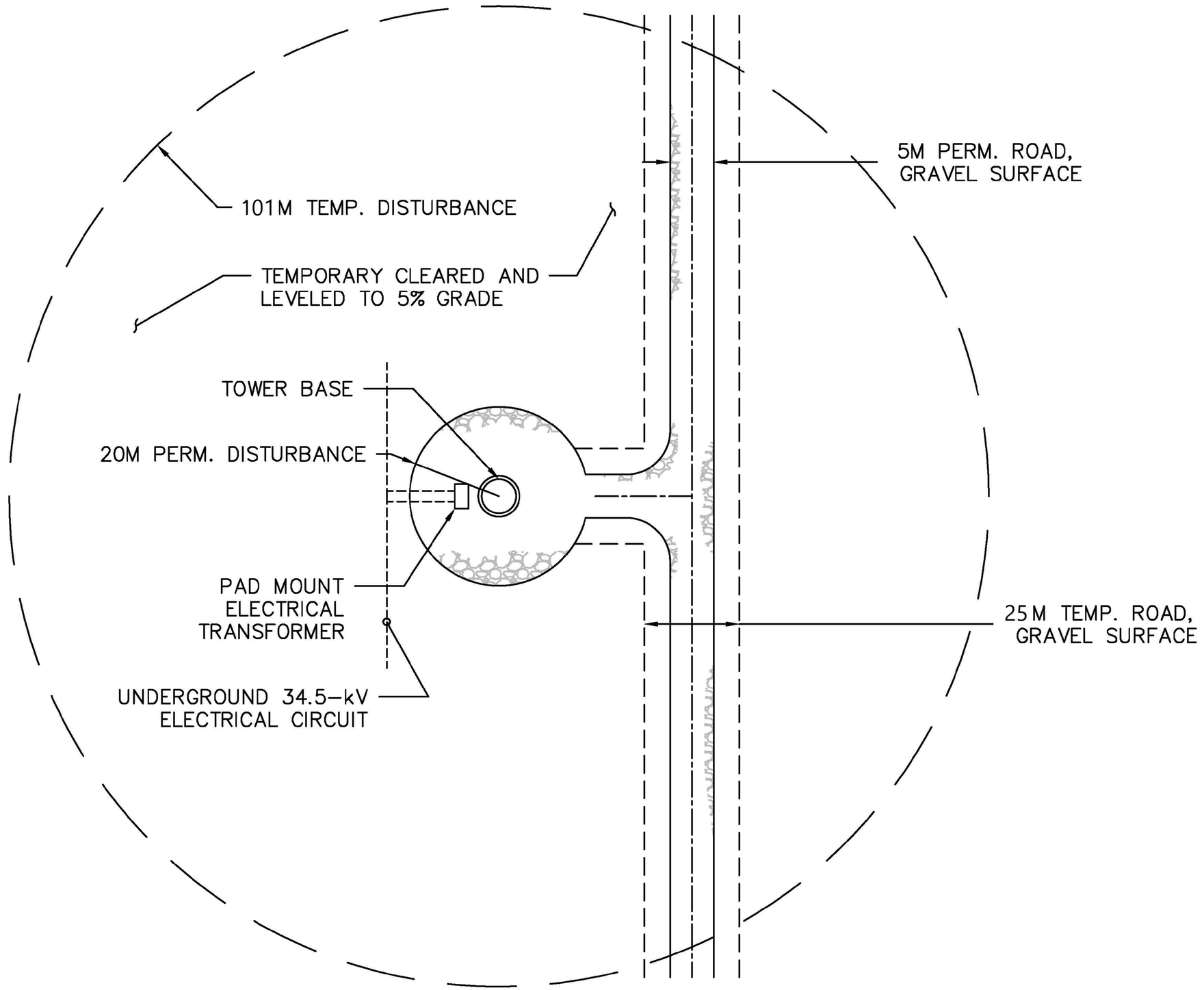


Figure 4

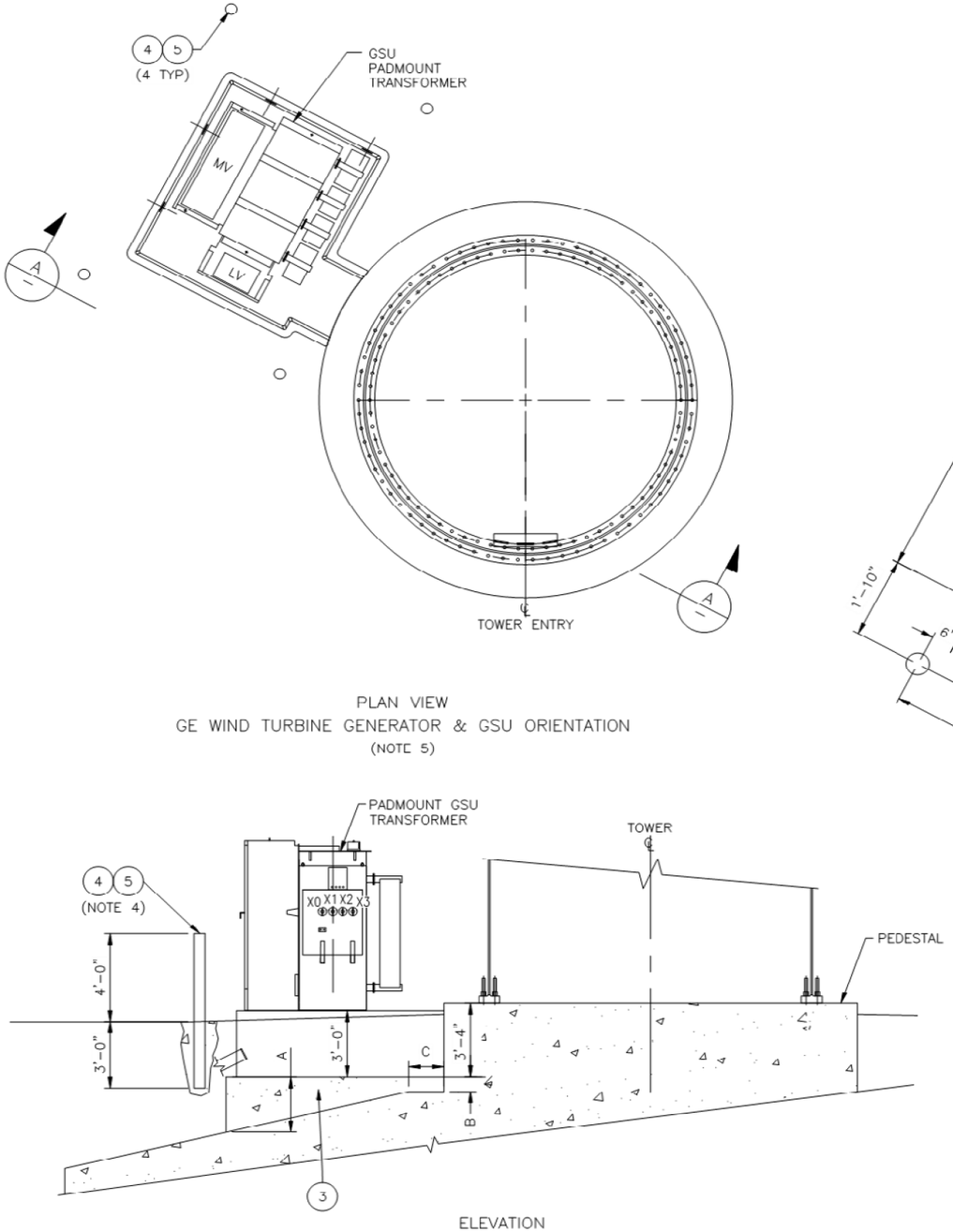
Wheatridge Renewable Energy Facility East

GE 2.82-127
Turbine Site

NEXTera ENERGY RESOURCES

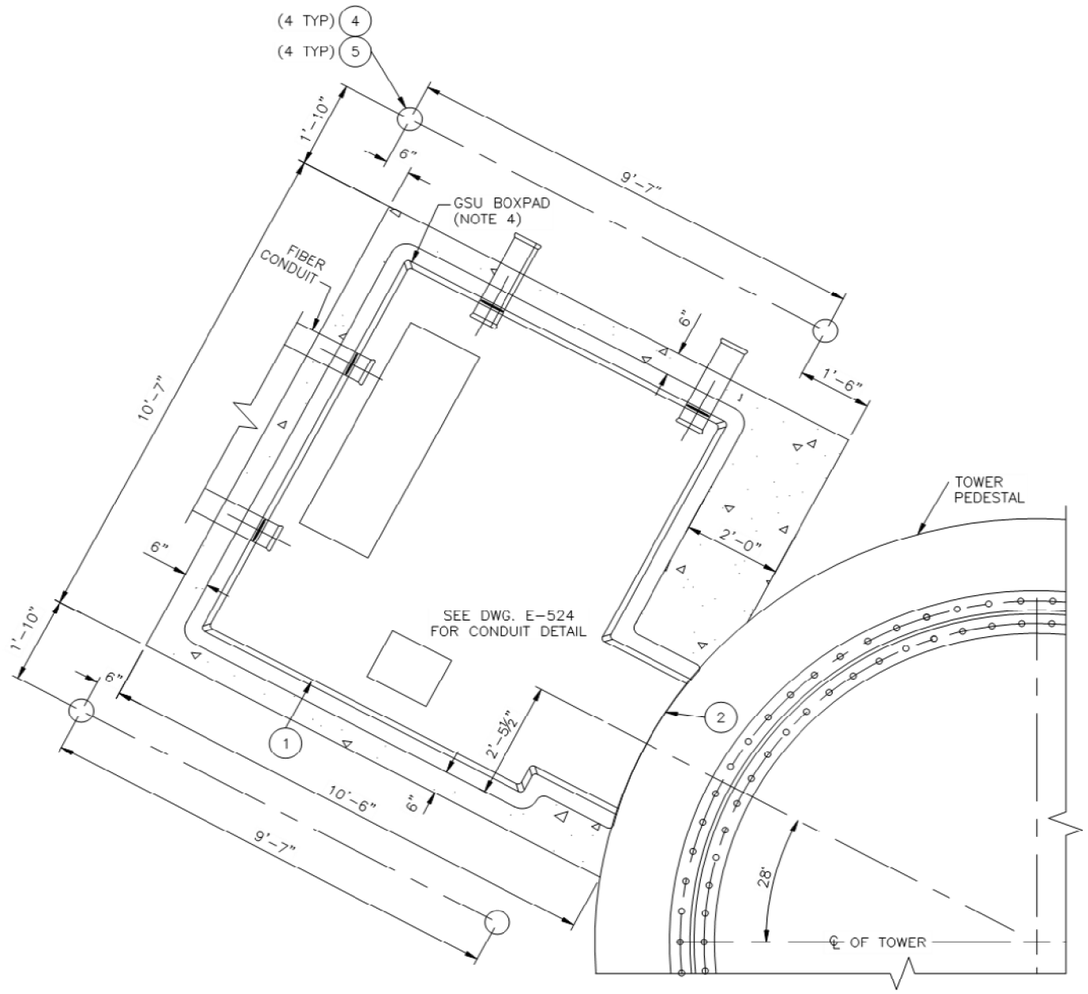
TETRA TECH

PLAN VIEW
GE WIND TURBINE GENERATOR & GSU ORIENTATION
(NOTE 5)



ELEVATION

AA — SECTION
SCALE: N.T.S.



A — GSU BOXPAD FOUNDATION LAYOUT
SCALE: N.T.S.

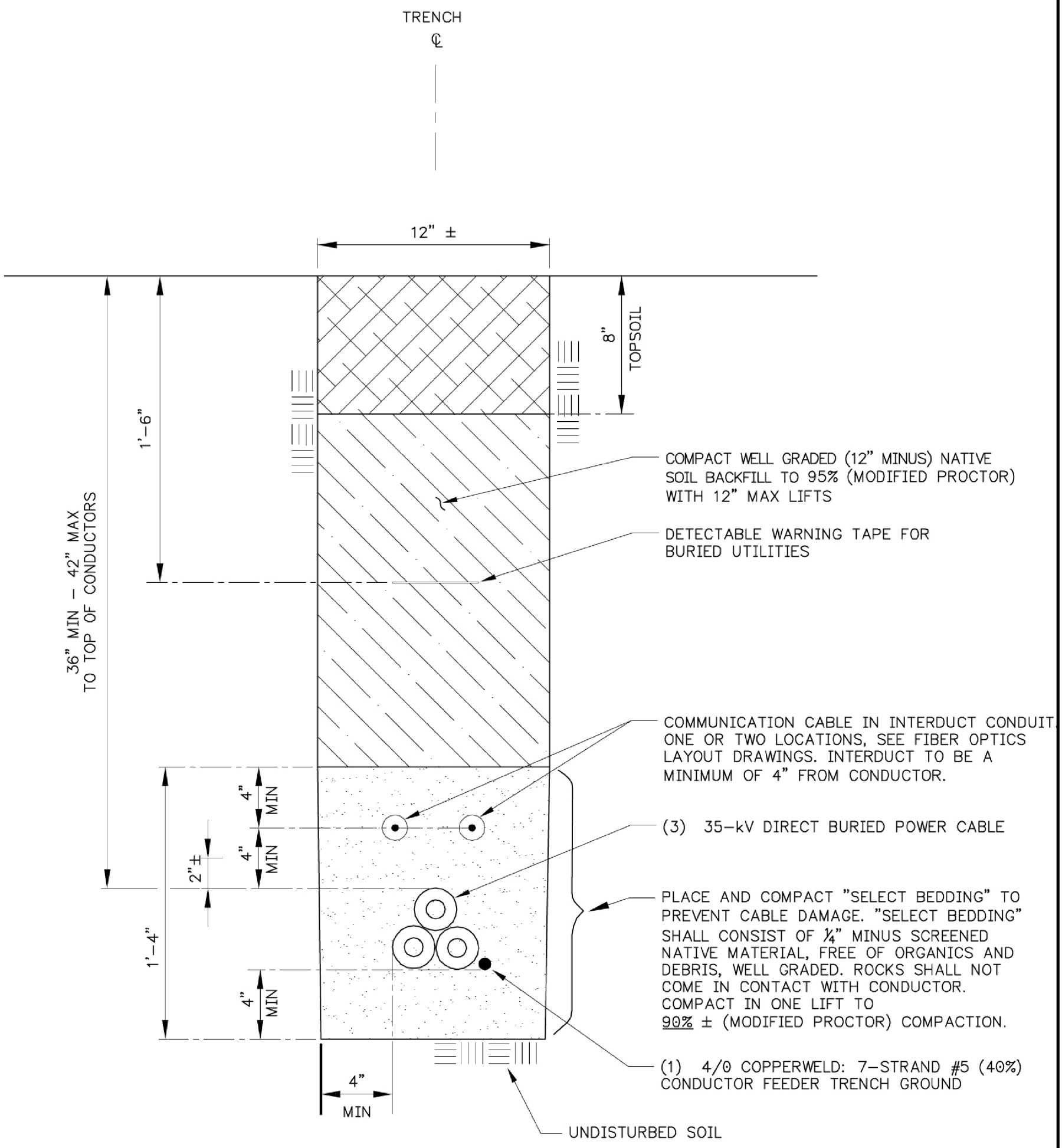
Figure 5

Wheatridge Renewable Energy Facility East

Typical Pad-Mounted GSU Transformer Foundation

NEXTera ENERGY RESOURCES

TETRA TECH



NOTES:

1. MINIMUM SEPARATION BETWEEN TRENCHES WILL BE 12 FEET.

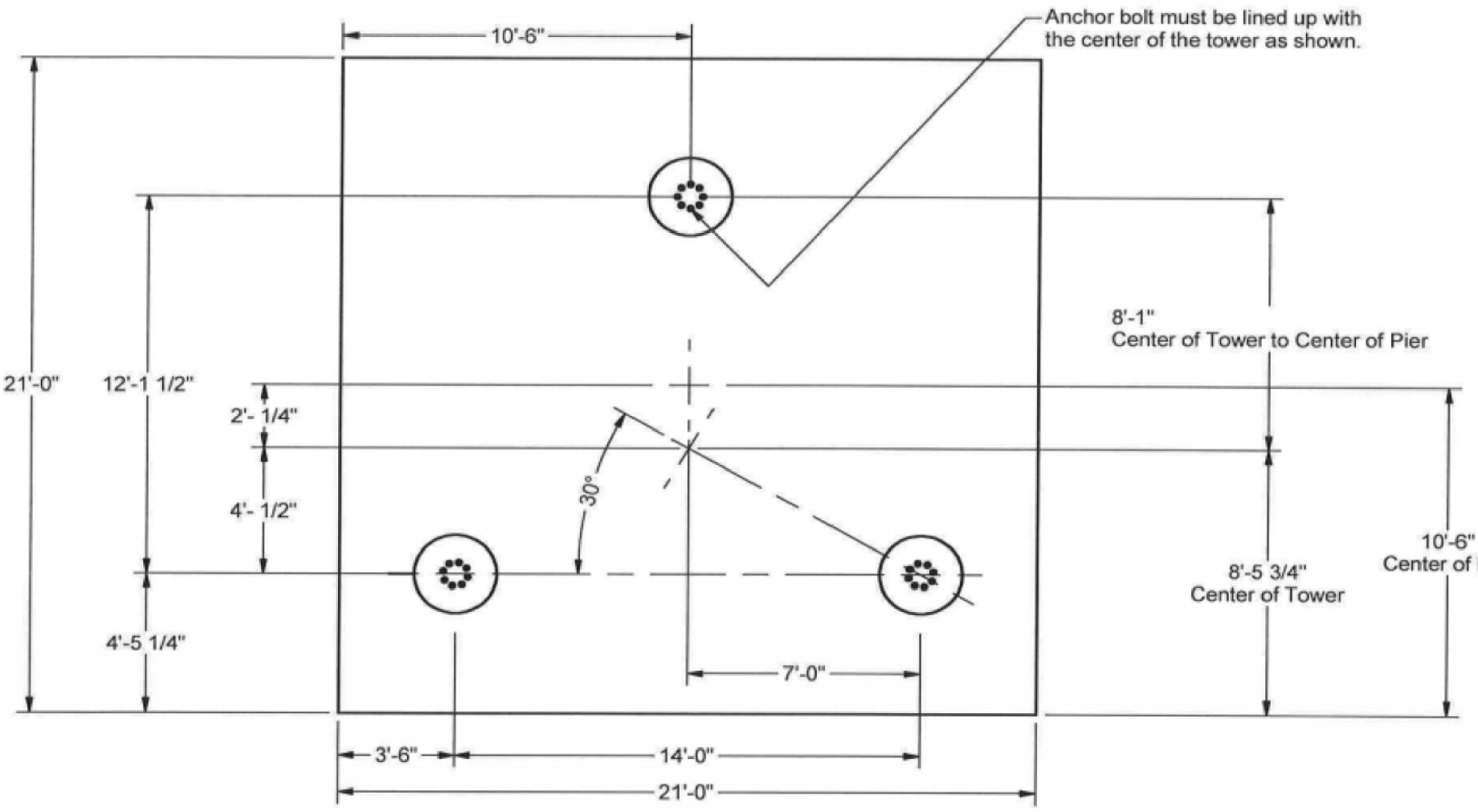
Figure 6

Wheatridge Renewable Energy Facility East

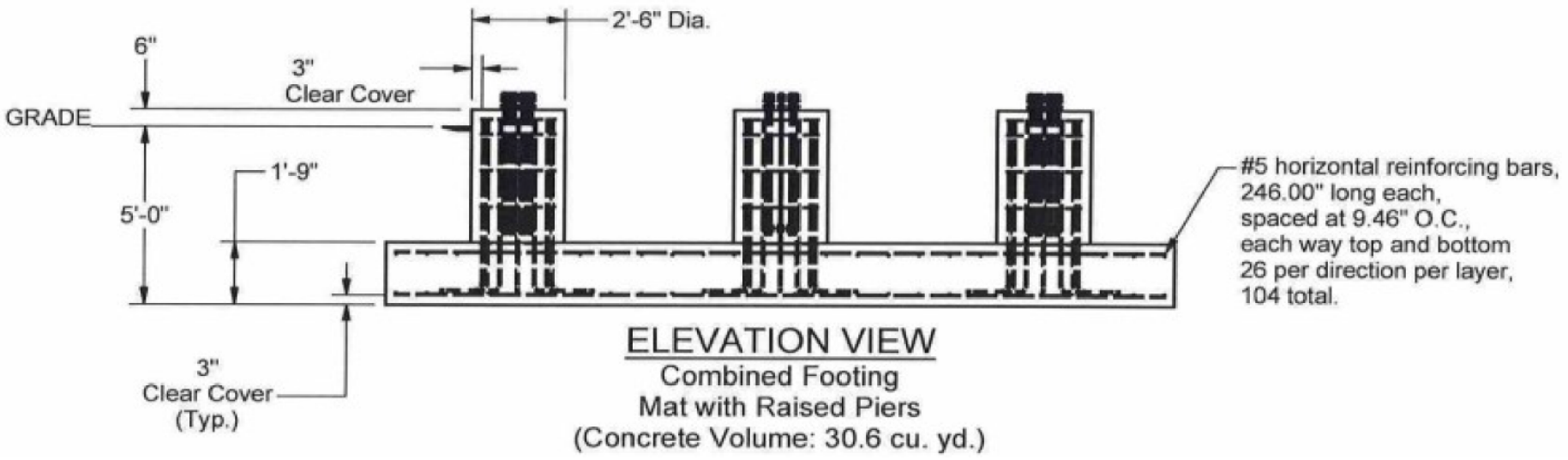
Typical Buried Collector Cable Duck Back

NEXTera ENERGY RESOURCES

TETRA TECH



PLAN VIEW
(Reinforcement not shown for clarity)



ELEVATION VIEW
Combined Footing
Mat with Raised Piers
(Concrete Volume: 30.6 cu. yd.)

Figure 7

Wheatridge Renewable Energy Facility East

Typical Meteorological Tower Foundation

NEXTera ENERGY RESOURCES

TETRA TECH

Wheatridge Renewable Energy Facility East

Figure 8
Energy Facilities within 10 miles

MORROW AND UMATILLA COUNTIES, OR

- Amended Site Boundary
- Amended Wind Micrositing Corridors
- Analysis Area (10-mile Buffer)
- State Boundary
- County Boundary

TETRA TECH

NEXTera ENERGY RESOURCES

Reference Map

- Echo Windfarm, Operating
- Wheatridge Renewable Energy Facility I, Operating
- Wheatridge Renewable Energy Facility II, Operating
- Wheatridge Renewable Energy Facility III, Operating
- Echo Solar Project, Proposed
- Harp Solar Project, Proposed
- Nolin Hills Wind Power Project, Proposed
- Wagon Trail Solar Project, Proposed
- Wind Power Plant
- Substation
- Natural Gas Power Plant

Transmission Line

- In Service
- Proposed

1:265,000 WGS 1984 UTM Zone 11N

0 2.5 5 10 15 20 Miles

NOT FOR CONSTRUCTION

P:\GIS_PROJECTS\NextEra\Wheatridge_East\Maps___RFA1\Exhibit_C\NextEra_WheatridgeEast_ExhibitC_20221213.aprx

This page intentionally left blank

Attachment 1. Redlined Site Certificate

This page intentionally left blank

ENERGY FACILITY SITING COUNCIL

OF THE

STATE OF OREGON

Site Certificate for the Wheatridge Renewable Energy Facility East

ISSUANCE DATE

Site Certificate **November 19, 2020**

THIS PAGE INTENTIONALLY LEFT BLANK

Table of Contents

Attachments

Attachment A	Facility Site Boundary Map

Acronyms and Abbreviations

ASC	Application for Site Certificate
BMP	Best Management Practice
Council or EFSC	Oregon Energy Facility Siting Council
Department or ODOE	Oregon Department of Energy
DOGAMI	Oregon Department of Geology and Mineral Industries
ESCP	Erosion and Sediment Control Plan
HMP	Habitat Mitigation Plan
NEER	NextEra Energy Resources, LLC
NPDES	National Pollutant Discharge Elimination System
O&M	Operations and Maintenance
OAR	Oregon Administrative Rule
ODFW	Oregon Department of Fish and Wildlife
ORS	Oregon Revised Statute
NRHP	National Register of Historic Places
WGS	Washington Ground Squirrel
WMMP	Wildlife Monitoring and Mitigation Plan
WREFI	Wheatridge Renewable Energy Facility I
WREFII	Wheatridge Renewable Energy Facility II
WREFIII	Wheatridge Renewable Energy Facility III
WREFE	Wheatridge Renewable Energy Facility East

1.0 Introduction and Site Certification

This site certificate is a binding agreement between the State of Oregon (State), acting through the Energy Facility Siting Council (Council), and Wheatridge East Wind, LLC (certificate holder), a wholly-owned indirect subsidiary of NextEra Energy Resources, LLC (NEER, certificate holder owner). As authorized under Oregon Revised Statue (ORS) Chapter 469, the Council issues this site certificate authorizing certificate holder to construct, operate and retire the Wheatridge Renewable Energy Facility II (facility) at the below described site within Morrow and Umatilla counties, subject to the conditions set forth herein.

Both the State and certificate holder must abide by local ordinances, state law and the rules of the Council in effect on the date this site certificate is executed. However, upon a clear showing of a significant threat to public health, safety, or the environment that requires application of later-adopted laws or rules, the Council may require compliance with such later-adopted laws or rules (ORS 469.401(2)).

The findings of fact, reasoning and conclusions of law underlying the terms and conditions of this site certificate are set forth in the following documents, incorporated herein by this reference: (a) *Final Order on the Application for Site Certificate for the Wheatridge Wind Energy Facility* issued on April 28, 2017 (hereafter, *Final Order on the Application*); (b) *Final Order on Request for Transfer* issued on July 27, 2017; *Final Order on Request for Amendment 3* issued on November 16, 2018; *Final Order on Request for Amendment 2* issued on December 14, 2018; *Final Order on Request for Amendment 4* issued on November 22, 2019; *Final Order on Request for Amendment 5* issued May 22, 2020; and *Final Order on Request for Amendment 1* of the Wheatridge Renewable Energy Facility II (WREFII) issued November 19, 2020.

In interpreting this site certificate, any ambiguity will be clarified by reference to the following, in order of priority: (1) *Final Order on Request for Amendment 1 of WREFII;* (2) *Final Order on Request for Amendment 5* (3) *Final Order on Request for Amendment 4* (4) *Final Order on Request for Amendment 2*; (5) *Final Order on Request for Amendment 3*; (6) *Final Order on Request for Amendment 1*; (7) *Final Order on the Application*, and (8) the record of the proceedings that led to the above referenced orders.

This site certificate binds the State and all counties, cities and political subdivisions in Oregon as to the approval of the site and the construction, operation, and retirement of the facility as to matters that are addressed in and governed by this site certificate (ORS 469.401(3)). This site certificate does not address, and is not binding with respect to, matters that are not included in and governed by this site certificate, and such matters include, but are not limited to: employee health and safety; building code compliance; wage and hour or other labor regulations; local government fees and charges; other design or operational issues that do not relate to siting the facility (ORS 469.401(4)); and permits issued under statutes and rules for which the decision on compliance has been delegated by the federal government to a state agency other than the Council (ORS 469.503(3)).

The definitions in ORS 469.300 and OAR 345-001-0010 apply to the terms used in this site certificate, except where otherwise stated, or where the context clearly indicates otherwise.

Each affected state agency, county, city, and political subdivision in Oregon with authority to issue a permit, license, or other approval addressed in or governed by this site certificate, shall upon submission of the proper application and payment of the proper fees, but without hearings or other proceedings, issue such permit, license or other approval subject only to conditions set forth in this site certificate. In addition, each state agency or local government agency that issues a permit, license or other approval for this facility shall continue to exercise enforcement authority over such permit, license or other approval (ORS 469.401(3)). For those permits, licenses, or other approvals addressed in and governed by this site certificate, the certificate holder shall comply with applicable state and federal laws adopted in the future to the extent that such compliance is required under the respective state agency statutes and rules (ORS 469.401(2)).

The certificate holder must construct, operate and retire the facility in accordance with all applicable rules as provided for in Oregon Administrative Rule (OAR) Chapter 345, Division 26. After issuance of this site certificate, the Council shall have continuing authority over the site and may inspect, or direct the Oregon Department of Energy (Department) to inspect, or request another state agency or local government to inspect, the site at any time in order to ensure that the facility is being operated consistently with the terms and conditions of this site certificate (ORS 469.430).

The obligation of the certificate holder to report information to the Department or the Council under the conditions listed in this site certificate is subject to the provisions of ORS 192.502 *et seq.* and ORS 469.560. To the extent permitted by law, the Department and the Council will not publicly disclose information that may be exempt from public disclosure if the certificate holder has clearly labeled such information and stated the basis for the exemption at the time of submitting the information to the Department or the Council. If the Council or the Department receives a request for the disclosure of the information, the Council or the Department, as appropriate, will make a reasonable attempt to notify the certificate holder and will refer the matter to the Attorney General for a determination of whether the exemption is applicable, pursuant to ORS 192.450.

The Council recognizes that many specific tasks related to the design, construction, operation and retirement of the facility will be undertaken by the certificate holder's agents or contractors. Nevertheless, the certificate holder is responsible for ensuring compliance with all provisions of the site certificate.

The duration of this site certificate shall be the life of the facility, subject to termination pursuant to OAR 345-027-0410 or the rules in effect on the date that termination is sought, or revocation under ORS 469.440 and OAR 345-029-0100 or the statutes and rules in effect on the date that revocation is ordered. The Council shall not change the conditions of this site certificate except as provided for in OAR Chapter 345, Division 27.

2.0 Facility Location

The Wheatridge Renewable Energy Facility East (WREFE) East energy facility and its related or supporting facilities are located within Morrow and Umatilla counties. The site boundary, as defined in OAR 345-001-0010, encompasses approximately 79,4244~~,582~~ acres of private land and includes the 3~~2~~00 MW wind energy facility site, its related and supporting facilities, temporary laydown and staging areas and transmission corridors and micrositing corridors (15,341 acres total) proposed by the certificate holder, as

approved by the Council.[11]

WREFE is located approximately 16 miles northeast of Heppner and includes land in both Morrow and Umatilla counties. Wheatridge East includes a 230 kV transmission line (see facility site boundary map provided in Attachment A). Previously approved facility components are shared between WREFII and WREFIII and are reflected in both WREFII and WREFIII site certificates. WREFE ~~does not~~ shares ~~any~~ related or supporting facilities with WREFII or WREFIII (i.e., the operations and maintenance building [O&M]), ~~however~~ and there are areas of overlapping site boundary, such as portions of the 230-kV Intraconnection Line may have overlapping site boundaries with WREFI, WREFII, and WREFIII.

2.1 Site Boundary

The site boundary encompasses a total of 79,424~~4,582~~ acres of privately owned land and is equivalent to the lease boundary. Table 1 identifies the Public Land Survey System sections in which the site boundary is located.

Table 1. Location of Site Boundary by Township, Range and Section

Township	Range	Section(s)
T1N	R25E	13, 24
T1N	R26E	18, 19, 20, 29, 30, 31, 32, 35, 36
T1N	R27E	23, 24, 25, 26, 27, 31, 32, 33, 35, 36
T1N	R28E	3, 4, 5, 6, 8, 9, 10, 16, 17, 19, 20, 21, 22, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36
T1N	R29E	31
T1S	R26E	1, 2, 3, 4, 9, 10, 11, 12, 13, 14, 15, 16, 24, 25, 36
T1S	R27E	1-36
T1S	R28E	1-31; 33-36
T1S	R29E	5, 6, 7, 8, 9, 16, 17, 18, 19, 20, 28, 29, 30, 31, 32
T2N	R28E	2, 3, 4, 8, 9, 10, 11, 14, 15, 16, 17, 20, 21, 22, 23, 27, 28, 29, 32, 33, 34
T2S	R26E	1
T2S	R27E	4, 5, 6
T2S	R28E	1, 2, 3, 4, 11, 12
T2S	R29E	5, 6, 7
~~1N~~	~~26E~~	~~18, 19, 20, 21, 29, 32~~
~~1N~~	~~28E~~	~~4, 5, 8, 9, 16, 17, 21, 28, 33~~
~~2N~~	~~28E~~	~~2, 3, 9, 10, 11, 14, 15, 16, 21, 22, 27, 28, 29, 32, 33~~
~~**Intraconnection Corridor**~~		
~~1S~~	~~27E~~	~~7, 12, 13, 14, 15, 16, 17, 18, 21, 22, 23, 24~~
~~1S~~	~~28E~~	~~3, 4, 7, 8, 9, 16, 17, 18~~
~~1N~~	~~28E~~	~~28, 33~~

The site boundary includes the designation of wind micrositing corridors, totaling 15,341 acres. The certificate holder requests micrositing flexibility within the micrositing corridors in order to site the facility turbines and supporting facilities, and will stipulate the precise details and layout of wind turbines during final design and engineering, prior to construction. ~~For this facility, the certificate holder requested that the site boundary be separate fromrepresent the "micrositing corridor" for the placement of facility components to allow some flexibility in specific component locations and design in response to site-specific conditions and engineering requirements to be determined prior~~

[1] [1] Energy facility site, as defined in OAR 345-001-0010(54), means all land upon which an energy facility is located or proposed to be located.

~~to construction.~~ The Council permits final siting flexibility within a micrositing corridor when the certificate holder demonstrates that requirements of all applicable standards have been satisfied by adequately evaluating the entire corridor and location of facility components anywhere within the corridor.

2.2 Micrositing Corridors

The certificate holder requested flexibility to locate components of the energy facility and its related or supporting facilities within a micrositing corridor to allow adjustment of the specific location of components, while establishing outer boundaries of potential construction for purposes of evaluating potential impacts.

The micrositing corridors for wind turbines are a minimum of approximately 660 feet in width around turbines, and wider in some locations. The site boundary width around site access roads and electrical collection lines (collector lines) is narrower, between 200 feet and 500 feet in width. The micrositing corridor is wider for the area surrounding the substations, meteorological towers (met towers), the

---

shared/existing operation and maintenance (O&M) building~~s~~, the battery storage system, and construction yards.

2.3 Intraconnection Transmission Line Corridor for the Wind Facility

The certificate holder obtained approval of ~~four~~two routing options associated with the wind facility for the 230 kV intraconnection transmission line that interconnects WREFE for the transmission of generated power. The intraconnection transmission line corridor is approximately 1,000-feet in width and will be approximately 26 miles~~ranges in length from 24.5 to 31.5 miles~~, based upon the ~~four~~two approved transmission line route options.

Both routes would run from the facility substations west and northwest to interconnect with the existing Blue Ridge Substation. The routes would predominately follow the approved route from the Application for Site Certificate (ASC) until they meet the Spur Loop Road, then the routes would run west/northwest, approximately 1 mile north of the originally approved Intraconnection Corridor, to the existing Blue Ridge Substation. Both routes would be approximately 26 miles in length (25.9 miles and 25.3 miles for Transmission Line A and B, respectively). Only slight routing differences occur near the OR-207 crossing location (prior to reaching the Blue Ridge Substation) and between the Spur Loop Road and Sand Hollow Road crossings.

~~The four approved transmission line route options range in length from 24.5 to 31.5 miles and would follow the same alignment for approximately 18 miles from the Wheatridge East substation to the crossing at Sand Hollow Road. For the remainder of the route, Options 1 and 3 traverse the same alignment, with Option 1 extending 7 miles longer than Option 3; Option 2 and 4 traverse the same alignment, with Option 2 extending 3.5 miles longer than Option 4. Option 1 and 2 differ for an approximately 4 mile segment located between Sand Hollow Road and the Wheatridge West substation (primary), with Option 2 traversing from Sand Hollow Road through the alternative (2b) Wheatridge West substation to the primary (1) Wheatridge West substation. The four approved routing options and associated transmission line corridors are presented in Attachment A of the site certificate (and are clearly delineated in figures provided in ASC Exhibit C).~~

3.0 Facility Description

The facility includes wind generation components, each with related or supporting facilities. The energy generation capacity of the facility at full build out by the specified construction completion deadlines is ~~23~~00 MW. Wind energy facility components are further described in Section 3.1 and 3.1.1 of this site certificate.

As presented in the ASC, the facility ~~will~~may be constructed in phases. In accordance with ORS 469.300(6), preconstruction conditions may be satisfied for the applicable phase, facility component or for the facility, as applicable, based on final design and configuration.

3.1 Wind Energy Facility Components

The construction commencement deadline for the wind energy facility and its related or supporting facilities must begin by May 24, 2020 (under General Standard Condition 1 (GEN-GS-01) and construction of these components must be completed on or before May 24, 202~~63~~ (under General Standard Condition 2 (GEN-GS-02).

Wind energy generation components include up to ~~61~~06 wind turbines with a total generating capacity up to ~~23~~00 MW. Wind turbines each consist of a nacelle, a three-bladed rotor, turbine tower and foundation. The nacelle houses the equipment such as the gearbox, generator, brakes, and control systems for the turbine. The total height of the turbine tower and blades (tip-height) will not exceed 499 feet~~ranges between 431 and 499.7 feet, depending on the turbine model selected~~.

The base of each wind turbine tower foundation requires a cleared area (typically a gravel pad) up to 80 feet in diameter. The turbines are grouped in linear "strings" within the micrositing corridor and interconnect with a 34.5 kV electrical collection system (described below). Most wind turbine types include a generator step-up (GSU) transformer installed at the base of the tower that would be used to increase the voltage of the turbine to that of the electrical collection system. Table 2 shows the ~~range of~~ turbine specifications approved for use at the facility site.

Table 2: Approved Wind Turbine Dimensions

Specification	Maximum (ft)
Blade Length	208.44~~.1~~
Hub Height	302.2
Rotor Diameter	416.7
Total Height (tower height plus blade length)	499.0~~.7~~
Aboveground Blade-Tip Clearance	93.8~~70.5~~
~~*Wind turbine types with the maximum dimension specifications shall be equipped with Low Noise Trailing Edge blades.*~~	

Commented [A1]: Changes applied to account for various noise mitigation options such as NRO (noise reduction operation) mode and low noise trailing edge (LNTE). See Conditions PRE-NC-01 and OPR-NC-01.

3.1.1 Related or Supporting Facilities to Wind Energy Facility Components

Related or supporting facilities to the wind energy facility components are described below:

- Electrical collection system (includes up to 94.7~~30~~ miles of ~~mostly~~ underground 34.5 kV collector lines)
- Up to two~~one~~ collector substations
- Up to 26~~32~~ miles of up to two overhead, parallel 230 kV transmission lines
- Up to 5 permanent meteorological (met) towers
- Communication and Supervisory Control and Data Acquisition (SCADA) System

- One shared/existing ~~operations and maintenance (~~O&M~~)~~ building~~s~~
- Up to 64~~14~~ miles of new ~~or improved~~ access roads
- Additional temporary construction areas (including staging areas and one or more temporary concrete batch plant areas)
- Battery Storage Systems (~~2~~30 MW, located on up to 5 acres) and Interconnection

Facilities Construction of these related or supporting facilities must be complete by May 202~~6~~3.

Electrical Collection System

The electrical collection system includes up to 94.7~~30~~ miles of ~~mostly~~ underground 34.5 kV collector lines. Electrical connections are located underground or in enclosed junction boxes between the turbine and the pad-mounted GSU transformer. From the GSU transformer to the collector lines the connections are installed along and between the turbine strings to collect power generated by each wind turbine and to route the power to one of three collector substations, which step up the power from 34.5 kV to 230 kV.

The collector lines are underground, ~~to the extent practicable,~~ in trenches approximately three-feet wide and not less than two- to three-feet deep, generally alongside access roads, to minimize ground disturbance. Where land use and soil conditions make a buried depth of three-feet infeasible, collector lines may be buried at a depth of less than three feet, while still adhering to National Electrical Safety Code (NESC) standards.

~~Collector lines may be run overhead in situations where a buried cable would be infeasible or would create unnecessary impacts, such as at stream or canyon crossings. Overhead collector lines are supported by a wooden or steel pole structure. Each support pole has been buried approximately 6 feet in the ground and extends to a height of approximately 60 feet above ground, spaced 100 to 200 feet apart. Overhead collector lines are only anticipated in Wheatridge West. The facility includes up to 10.8 miles of overhead collector lines; however, the specific locations of overhead collector lines will not be known until site geotechnical work has been completed during pre-construction activities.~~

~~No more than 30 miles of collector lines would be needed for wind facility components.~~

Collector Substations

The facility includes two~~one~~ substation~~s~~: one new substation and one previously approved/permitted alternative substation, in which power from the collector lines would be aggregated and stepped up to transmission voltage. ~~within Wheatridge East. The proposed substation locations are presented in ASC Exhibit C. However, Wheatridge has requested, and Council grants, the ability to micrositе the final location of the substation within the micrositing corridor.~~

Prior to construction, substation sites will be cleared and graded, with a bed of crushed rock applied for a durable surface. Each collector substation is located on a 1.5~~two~~- to 7~~ten~~-acre site, enclosed by a locked eight-foot tall wire mesh fence. Each substation consists of transformers, transmission line termination structures, a bus bar, circuit breakers and fuses, control systems, meters, and other equipment.

230 kV Intraconnection Transmission Line

The facility includes one or two parallel overhead 230 kV intraconnection transmission lines supported by H-frame or monopole structures constructed of either wood or steel that extends

25.34.5 to 25.931.5 miles in length, depending on the route option selected. The 230 kV overhead transmission line structures are approximately 60 to 150 feet tall and spaced approximately 400 to 800 feet apart depending on the terrain. Each transmission line route requires acquisition of an approximately 150- foot wide right-of-way from private landowners.

The four approved transmission line routing options and associated corridors for the intraconnection transmission line are described below (see Attachment A figure and figures contained in ASC Exhibit C):

- Option 1: Two Project Substations to Longhorn
    - This option runs from Substation 3 in Wheatridge East to Substation 1 in Wheatridge West and then to the proposed UEC/CB Strawberry substation, just to the west of Wheatridge West, for interconnection to a UEC or UEC/CB operated Gen-tie Line to the proposed BPA Longhorn substation. The intraconnection line route is 31.5 miles (50.5 kilometers) in length.
- Option 2: Three Project Substations to Longhorn (Final facility design with battery storage system would not include this routing option)
    - This option runs from Substation 3 in Wheatridge East to Substation 2b in Wheatridge West, then on to Substation 2a in Wheatridge West, and then to the proposed UEC/CB Strawberry substation, just west of Wheatridge West, for interconnection to a UEC or UEC/CB operated Gen-tie Line to the proposed BPA Longhorn substation. The intraconnection line route is 31.3 miles (50.3 kilometers) in length.
- Option 3: Two Project Substations to Stanfield
    - This option runs from Substation 1 in Wheatridge West to Substation 3 in Wheatridge East for interconnection to a UEC operated Gen-tie Line to the proposed BPA Stanfield substation. The intraconnection line route is 24.5 miles (39.4 kilometers) in length.
- Option 4: Three Project Substations to Stanfield (Final facility design with battery storage system would not include this routing option)
    - This option runs from Substation 2a in Wheatridge West to Substation 2b in Wheatridge West, and then to Substation 3 in Wheatridge East for interconnection to a UEC operated Gen-tie Line to the proposed BPA Stanfield substation. The intraconnection line route is 27.8 miles (44.7 kilometers) in length.

Meteorological Towers

The facility includes up to five met towers are sited in WREFE. Any temporary met tower deemed necessary prior to construction will be permitted through the applicable county system. Each met tower has a free-standing, non-guyed design and is approximately 328 feet (100 meters) in height. Installation of permanent met towers results in approximately 98-feet (30-meters) in diameter of temporary land disturbance per tower and approximately 32-feet (10-meter) in diameter of permanent land disturbance per tower.
Permanent met towers are fitted with safety lighting and paint as required by the Federal Aviation Administration (FAA).

Communication and SCADA System

The facility includes a communication system, consisting of fiber optic and copper communication lines that connect the turbines, met towers, and substations to the shared/existing O&M building~~s~~. A SCADA system is installed in the shared/existing O&M building~~s~~ to enable remote operation to collect operating data for each wind turbine, and to archive wind and performance data. SCADA system wires are collocated with the collector lines both in the underground trenches ~~and overhead, if necessary~~.

O&M Building~~s~~

The facility will utilize the existing 1.1-acre O&M Building at WREFII next to the existing Blue Ridge Substation. ~~The facility one O&M building, each located on up to 1.1 acres, one within Wheatridge East and one within Wheatridge West. Each~~The shared/existing O&M building consists of a single-story, prefabricated structure approximately ~~6,000 to~~ 9,000 square feet in size, and includes an office, break room, kitchen, lavatory with shower, utility room, covered vehicle parking, storage for maintenance supplies and equipment, and SCADA system. A permanent, fenced, graveled parking and storage area for employees, visitors, and equipment is located adjacent to ~~each~~ the shared/existing O&M building. ~~Each~~The building is served by an on-site well and septic system and power supplied by a local service provider using overhead and/or underground lines.

Access Roads

~~The certificate holder completed improvements to existing public roads to accommodate construction activities, including flattening crests or filling dips, widening sharp corners, or adding road base material; the certificate holder is required to consult with the appropriate county road master on specific improvements prior to construction. The certificate holder committed to completing upgrade to existing roads according to applicable state and county road standards and after consultation with Morrow and Umatilla County staff. The certificate holder is required to implement a road use agreement with each county to specify requirements, including that all existing public roads used to access the site would be left in as good or better condition than that which existed prior to the start of construction.~~ No improvements to existing public roads are anticipated to accommodate facility construction. Specific improvements will be identified in consultation with the appropriate county road master prior to construction, and permitting will be sought through the counties at that time. Regardless, upgrades to existing roads will be done according to applicable state and county road standards and after consultation with Morrow and Umatilla county staff. A road use agreement with each county will specify requirements, including that all existing public roads used to access the facility will be left in as good or better condition than the condition that existed prior to the start of construction.

Access to the turbines, construction yards, substations, and shared/existing O&M building~~s~~ is from a network of private access roads constructed ~~or improved~~ by the certificate holder. The Facility would require approximately 64 miles of new, site access roads. The certificate holder will grade and gravel all newly constructed ~~and improved~~ site access roads to meet load requirements for heavy construction equipment, as necessary. Following turbine construction, the certificate holder will narrow the site access roads for use during operations and maintenance. The additional disturbed width required during construction will be restored following the completion of construction by removing gravel surfacing, restoring appropriate contours with erosion and stormwater control best management practices (BMPs), decompacting as needed, and revegetating the area appropriately.

Temporary access roads ~~we~~are needed for the construction of the intraconnection transmission line(s). The intraconnection transmission line(s) can be constructed and maintained using only large trucks rather than heavy construction cranes, and construction will occur during the dry time of year

when the ground surface is hard enough to support those vehicles. Therefore, the interconnection transmission lines do not include permanent access roads. The total mileage of the temporary access roads needed for constructing the intraconnection transmission line(s) should be similar for either the Transmission Line A or B routes lengths, i.e., approximately 26 miles~~depends on the intraconnection line route option chosen~~. ~~The shortest route would require approximately 22.8 miles of access roads, while the longest would require approximately 25.5 miles.~~

Additional Construction Yards

The facility includes one, 60-acre~~up to four~~ temporary construction yard~~s~~ located within the site boundary to facilitate the delivery and assembly of material and equipment. Note that the certificate holder seeks to retain the flexibility to utilize the four previously approved temporary construction yards as potential areas that could be sited during pre-construction if deemed necessary for the Facility. The construction yard(s) would be used~~are used~~ for temporary storage of diesel and gasoline fuels, which are located in an above-ground 1,000-gallon diesel and 500-gallon gasoline tank, within designated secondary containments areas. Additionally, the construction yard(s) would contain field construction offices, store construction equipment when not in use, store other construction supplies and materials, possibly contain temporary concrete batch plants, and would possibly be used for the assembly of some facility components.

If deemed necessary during pre-construction, the previously approved four temporary construction yards would occupy between 15 and 20 acres. ~~Each construction yard occupies between 15 and 20 acres, and was~~ Any construction yards would be graded and gravel surfaced. The certificate holder is required to restore all construction yards to pre-construction conditions unless an agreement with the landowner leads to some or all of the construction yard being retained after construction.

In addition, the certificate holder may utilize one or more temporary concrete batch plant areas, located within the construction yard area. The temporary concrete batch plants are permitted and operated by the selected contractor.

Battery Storage Systems and Interconnection Facilities (DC Coupled)

The battery storage systems associated with wind energy facility components include the following:

- Series of modular containers or a building per system (approximately 80 feet long, 100 feet wide and 15-20 feet tall for the ~~2~~30 MW system)
    - Each system would contain lithium-ion batteries within battery modules placed in anchored racks within containers or building.
    - Approximately eighteen 2.7 mega-voltampere (MVA) inverters with associated step up transformers with a combined footprint approximately 8 feet by 4 feet.
    - Each system would be equipped with a gas pressured deluge fire suppression system, independent smoke detection system, and external fire water tank
    - Each system would include a cooling system comprised of a bank of four power conditioning system fan units with motor
- Control house, approximately 16 feet by 11 feet, with an external heating, ventilation and air conditioning unit (HVAC)
- Protective device; skid-mounted power transformer; and bi-directional inverter

Battery and inverter equipment would be electrically connected via a combination of aboveground cable trays, underground conduit, and covered cable trenches. Site surfacing would remain primarily gravel. The battery storage systems would interconnect with facility substations via feeder lines.

4.0 Site Certificate Conditions

4.1 Condition Format

The conditions in Sections 4.2 through 4.7 of this Site Certificate are organized and coded to indicate the phase of implementation, the standard the condition is required to satisfy, and an identification number (1, 2, 3, etc.)[2]. The table below presents a "key" for phase of implementation:

Key	Type of Conditions/Phase of Implementation
GEN	General Conditions: Design, Construction and Operation
PRE	Pre-Construction Conditions
CON	Construction Conditions
PRO	Pre-Operational Conditions
OPR	Operational Conditions
RET	Retirement Conditions

The standards are presented using an acronym; for example, the General Standard of Review is represented in the condition numbering as "GS"; the Soil Protection standard is represented in the condition numbering as "SP" and so forth.

For example, the coding of Condition GEN-GS-01 represents that the condition is a general condition (GEN) to be implemented during design, construction and operation of the facility, is required to satisfy the Council's General Standard of Review, and is condition number 1.

This site certificate contains conditions initially imposed in the Wheatridge Wind Energy Facility site certificate, as approved in April 2017, and amended in July 2017 (AMD1), November (AMD2) and December 2018 (AMD3), November 2019 (AMD4), and May 2020 (AMD5). Site certificate conditions include a bracketed citation (e.g. [Final Order on ASC (2017), AMD2 (2018), AMD4 (2019)]) which provides reference to the Council order imposing or amending the condition. Bracketed citations dated 2017 through May 2020 represent conditions imposed or amended under the Wheatridge Wind Energy Facility site certificate; bracketed citations dated after May 2020 represent conditions imposed or amended under the Wheatridge Renewable Energy Facility II site certificate.

[2] The identification number is not representative of an order that conditions must be implemented; it is intended only to represent a numerical value for identifying the condition.

4.2 General Conditions (GEN): Design, Construction and Operations

Condition Number	General (GEN) Conditions
STANDARD: GENERAL STANDARD OF REVIEW (GS) [OAR 345-022-0000]	
GEN-GS-01	The certificate holder shall begin construction of wind facility components and its related or supporting facilities, by May 24, 2020. On or before May 24, 2020, the certificate holder shall provide written notification to the Department that it has met the construction commencement deadline. Construction is defined in OAR 345-001-0010. [Final Order on ASC (2017), General Standard Condition 1; AMD2 (2018); AMD4 (2019); AMD1 (2020)] [Mandatory Condition OAR 345-025-0006(4)]
GEN-GS-02	The certificate holder shall complete construction of the wind facility components and its related or supporting facilities by May 24, 2026~~3~~. The certificate holder shall promptly notify the Department of the date of completion of construction. [Final Order on ASC (2017), General Standard Condition 2 (2018); AMD2 (2018); AMD4 (2019); AMD5 (2020)] [Mandatory Condition OAR 345-025-0006(4)]
GEN-GS-03	The certificate holder shall design, construct, operate, and retire the facility: a. Substantially as described in the site certificate; b. In compliance with the requirements of ORS Chapter 469, applicable Council rules, and applicable state and local laws, rules and ordinances in effect at the time the site certificate is issued; and c. In compliance with all applicable permit requirements of other state agencies. [Final Order on ASC (2017), Mandatory Condition 2] [OAR 345-025-0006(3)]
GEN-GS-04	Except as necessary for the initial survey or as otherwise allowed for wind energy facilities, transmission lines or pipelines under this section, the certificate holder shall not begin construction, as defined in OAR 345-001-0010, or create a clearing on any part of the site until the certificate holder has construction rights on all parts of the site. For the purpose of this rule, "construction rights" means the legal right to engage in construction activities. For wind energy facilities, transmission lines or pipelines, if the certificate holder does not have construction rights on all parts of the site, the certificate holder may nevertheless begin construction, as defined in OAR 345-001-0010, or create a clearing on a part of the site if the certificate holder has construction rights on that part of the site and: a. The certificate holder would construct and operate part of the facility on that part of the site even if a change in the planned route of a transmission line or pipeline occurs during the certificate holder's negotiations to acquire construction rights on another part of the site; or b. The certificate holder would construct and operate part of a wind energy facility on that part of the site even if other parts of the facility were modified by amendment of the site certificate or were not built. [Final Order on ASC (2017), Mandatory Condition 3] [OAR 345-025-0006(5)]
GEN-GS-05	If the certificate holder becomes aware of a significant environmental change or impact attributable to the facility, the certificate holder shall, as soon as possible, submit a written report to the department describing the impact on the facility and any affected site certificate conditions. [Final Order on ASC (2017), Mandatory Condition 6] [OAR 345-025-0000(6)]
GEN-GS-06	The Council shall include as conditions in the site certificate all representations in the site certificate application and supporting record the Council deems to be binding commitments made by the applicant. [Final Order on ASC (2017), Mandatory Condition 5] [OAR 345-025-0006(10)]

Commented [A2]: Extend construction completion deadline. See Division 27 document.

GEN-GS-07	Upon completion of construction, the certificate holder shall restore vegetation to the extent practicable and shall landscape all areas disturbed by construction in a manner compatible with the surroundings and proposed use. Upon completion of construction, the certificate holder shall remove all temporary structures not required for facility operation and dispose of all timber, brush, refuse and flammable or combustible material resulting from clearing of land and construction of the facility. [Final Order on ASC (2017), Mandatory Condition 6] [OAR 345--025-0006(11)]
GEN-GS-08	The certificate holder shall design, engineer and construct the facility to avoid dangers to human safety presented by seismic hazards affecting the site that are expected to result from all maximum probable seismic events. As used in this rule "seismic hazard" includes ground shaking, ground failure, landslide, liquefaction triggering and consequences (including flow failure, settlement buoyancy, and lateral spreading), cyclic softening of clays and silts, fault rupture, directivity effects and soil-structure interaction. For coastal sites, this also includes tsunami hazards and seismically-induced coastal subsidence. [Final Order on ASC (2017), Mandatory Condition 7] [OAR 345-025-0006(12)]
GEN-GS-09	The certificate holder shall notify the Department, the State Building Codes Division and the Department of Geology and Mineral Industries promptly if site investigations or trenching reveal that conditions in the foundation rocks differ significantly from those described in the application for a site certificate. After the Department receives the notice, the Council may require the certificate holder to consult with the Department of Geology and Mineral Industries and the Building Codes Division and to propose mitigation actions. [Final Order on ASC (2017), Mandatory Condition 8] [OAR 345-025-0006(13)]
GEN-GS-10	The certificate holder shall notify the department, the State Building Codes Division and the Department of Geology and Mineral Industries promptly if shear zones, artesian aquifers, deformations or clastic dikes are found at or in the vicinity of the site. After the Department receives notice, the Council may require the certificate holder to consult with the Department of Geology and Mineral Industries and the Building Codes Division to propose and implement corrective or mitigation actions. [Final Order on ASC (2017), Mandatory Condition 9] [OAR 345-025-0006(14)]
GEN-GS-11	Before any transfer of ownership of the facility or ownership of the site certificate holder, the certificate holder shall inform the department of the proposed new owners. The requirements of OAR 345-027-0400 apply to any transfer of ownership that requires a transfer of the site certificate. [Final Order on ASC (2017), Mandatory Condition 10] [OAR 345-025-0006(15)]
GEN-GS-12	The Council shall specify an approved corridor in the site certificate and shall allow the certificate holder to construct the pipeline or transmission line anywhere within the corridor, subject to the conditions of the site certificate. If the applicant has analyzed more than one corridor in its application for a site certificate, the Council may, subject to the Council's standards, approve more than one corridor. The transmission line corridors approved by EFSC pursuant to this condition is described in Section 2.3 of the site certificate, and presented in the facility site map (see Attachment A of the site certificate. [Final Order on ASC (2017), Site Specific Condition 1] [OAR 345-025-0010(5)]]
STANDARD: ORGANIZATIONAL EXPERTISE (OE) [OAR 345-022-0010]	
GEN-OE-01	Any matter of non-compliance under the site certificate is the responsibility of the certificate holder. Any notice of violation issued under the site certificate will be issued to the certificate holder. Any civil penalties under the site certificate will be levied on the certificate holder. [Final Order on ASC (2017), Organizational Expertise Condition 5]

GEN-OE-02	In addition to the requirements of OAR 345-026-0170, within 72 hours after discovery of incidents or circumstances that violate the terms or conditions of the site certificate, the certificate holder must report the conditions or circumstances to the department. [Final Order on ASC (2017), Organizational Expertise Condition 6]
GEN-OE-03	During facility construction and operation, the certificate holder shall report to the Department, within 7 days, any change in the corporate structure of the parent company, NextEra Energy Resources, LLC. The certificate holder shall report promptly to the Department any change in its access to the resources, expertise, and personnel of NextEra Energy Resources, LLC. [Final Order on AMD1 (2017), Organizational Expertise Condition 9]
GEN-OE-04	The certificate holder shall: a. Prior to and during construction, as applicable, provide evidence to the Department that a contractual agreement has been obtained for transport and disposal of battery and battery waste by a licensed hauler and requires the third-party to comply with all applicable laws and regulations, including applicable provisions of 49 CFR 173.185. b. Prior to transporting and disposing of battery and battery waste during facility operations, provide evidence to the Department that a contractual agreement has been obtained for transport and disposal of battery and battery waste by a licensed hauler and requires the third-party to comply with all applicable laws and regulations, including applicable provisions of 49 CFR 173.185. [Final Order on AMD2 (2018), Organizational Expertise Condition 10]
GEN-OE-05	The certificate holder is authorized to share related or supporting facilities including the Wheatridge ~~Renewable Energy Facility II O&M Building, which is governed under the WREFII site certificate.~~ a. Within 30 days of use by both certificate holders of the shared facilities, the certificate holder must provide evidence to the Department that the certificate holders of the shared facilities have an executed agreement for shared use of any constructed shared facilities. b. If WREFII proposes to substantially modify any of the shared facilities listed in sub(a) of this condition, each certificate holder shall submit an amendment determination request or request for site certificate amendment to obtain a determination from the Department on whether a site certificate amendment is required or to process an amendment for both site certificates in order to accurately account for any significant change in the decommissioning amount required under Retirement and Financial Assurance Condition 5. c. Prior to facility decommissioning or if facility operations cease, each certificate holder shall submit an amendment determination request or request for site certificate amendment to document continued ownership and full responsibility, including coverage of full decommissioning amount of the shared facilities in the bond or letter of credit pursuant to Retirement and Financial Assurance Condition 5, for the operational facility, if facilities are decommissioned at different times. ~~*Deleted in Final Order on Amendment 1*~~ ~~[Final Order on AMD5 (2020); Organizational Expertise Condition 11; AMD1 (2020)]~~

Commented [A3]: Add shared use condition for usage of the WREFII O&M building. See Division 27 document.

STANDARD: STRUCTURAL (SS) [OAR 345-022-0020]	
GEN-SS-01	The certificate holder shall design, engineer, and construct the facility in accordance with the current versions of the latest International Building Code, Oregon Structural Specialty Code, and building codes as adopted by the State of Oregon at the time of construction. [Final Order on ASC (2017), Structural Standard Condition 2]
STANDARD: LAND USE (LU) [OAR 345-022-0030]	
GEN-LU-01	The certificate holder shall design the facility to comply with the following setback distances in Morrow County: a. Wind turbines shall be setback from the property line of any abutting property of any non-participant property owners a minimum of 110 percent of maximum blade tip height of the wind turbine tower. b. Wind turbines shall be setback 100 feet from all property boundaries, including participant property boundaries within the site boundary, if practicable. c. Wind turbine foundations shall not be located on any property boundary, including participant property boundaries within the site boundary. d. Wind turbines shall be setback 110% of the overall tower-to-blade tip height from the boundary right-of-way of county roads, state and interstate highways. [Final Order on ASC (2017), Land Use Condition 1; AMD3 (2018); AMD4 (2019); AMD5 (2020); AMD1 (2020)]
GEN-LU-02	During design and construction of the facility, the certificate holder shall: a. Obtain an access permit for changes in access on Morrow County roads; and b. Improve or develop private access roads impacting intersections with Morrow County roads in compliance with Morrow County access standards. [Final Order on ASC (2017), Land Use Condition 4]
GEN-LU-03	During design and construction, the certificate holder shall implement the following actions on all meteorological towers approved through the site certificate: a. Paint the towers in alternating bands of white and red or aviation orange; or b. Install aviation lighting as recommended by the Federal Aviation Administration. [Final Order on ASC (2017), Land Use Condition 9]
GEN-LU-04	The certificate holder shall design and construct the facility using the minimum land area necessary for safe construction and operation. The certificate holder shall: a. Locate access roads and temporary construction laydown and staging areas to minimize disturbance of farming practices; b. Place turbines and transmission intraconnection lines along the margins of cultivated areas to reduce the potential for conflict with farm operations, where feasible. c. Bury underground communication and electrical lines within the area disturbed by temporary road widening, where possible. [Final Order on ASC (2017), Land Use Condition 11; AMD4 (2019); AMD1 (2020)]
GEN-LU-05	During design and construction of the facility, the certificate holder shall ensure that fencing and landscaping selected and used for ~~the O&M building and similar~~ facility components sited within Morrow County blend with the nature of the surrounding area. [Final Order on ASC (2017), Land Use Condition 14]
GEN-LU-06	During micrositing of the facility, the certificate holder shall design the facility to comply with the following setback distances in Umatilla County ~~ensure that wind turbines are sited based on a minimum setback of~~: a. 110% of the overall tower-to-blade tip height from the boundary right-of-way of county roads and state and interstate highways in Umatilla County ~~and Morrow counties~~. b. 2 miles from turbine towers to a city urban growth boundary.

Commented [A4]: Removal of references to constructing a new O&M building. See Division 27 document.

Commented [A5]: Added clarification that this condition only applies to Umatilla County specifically (GEN-LU-01 applies to Morrow County setbacks).

	c. 1 mile from turbine towers to land within Umatilla County lands zoned Unincorporated Community. d. 2 miles from turbine towers to rural residences owned by non-participating landowners within Umatilla County. e. 164 feet (50 meters) from tower and facility components to known archeological, historical and cultural sites or CTUIR cultural site. [Final Order on ASC (2017), Land Use Condition 16; AMD3 (2018)]
~~GEN-LU-07~~	~~During design and construction, the certificate holder must ensure that the O&M building in Umatilla County is consistent with the character of similar agricultural buildings used by commercial farmers or ranchers in Umatilla County.~~ ~~[Final Order on ASC (2017), Land Use Condition 20]~~
GEN-LU-08	During facility design and construction of new access roads and road improvements, the certificate holder shall implement best management practices after consultation with the Umatilla County Soil Water Conservation district. The new and improved road designs must be reviewed and certified by a civil engineer. [Final Order on ASC (2017), Land Use Condition 22]
GEN-LU-09	Before beginning electrical production, the certificate hold shall provide the location of each turbine tower, electrical collecting lines, ~~the O&M building,~~ the substations, project access roads, and portion of the intraconnection transmission line located in Umatilla County to the department and Umatilla County in a format suitable for GPS mapping. [Final Order on ASC (2017), Land Use Condition 24]
GEN-LU-10	During construction and operation of the facility, the certificate holder shall deliver a copy of the annual report required under OAR 345-026-0080 to the Umatilla County Planning Commission on an annual basis. [Final Order on ASC (2017), Land Use Condition 28]
STANDARD: RETIREMENT AND FINANCIAL ASSURANCE (RT) [OAR 345-022-0050]	
GEN-RF-01	The certificate holder shall prevent the development of any conditions on the site that would preclude restoration of the site to a useful, non-hazardous condition to the extent that prevention of such site conditions is within the control of the certificate holder. [Final Order on ASC (2017), Retirement and Financial Assurance Condition 1] [Mandatory Condition OAR 345-025-0006(7)]
STANDARD: FISH AND WILDLIFE HABITAT (FW) [OAR 345-022-0060]	
GEN-FW-01	During construction and operation, the certificate holder shall impose a 20 mile per hour speed limit on new and improved private access roads, which have been approved as a related and supporting facility to the energy facility. [Final Order on ASC (2017), Fish and Wildlife Habitat Condition 2]
GEN-FW-02	The certificate holder shall construct all overhead collector and transmission intraconnection lines in accordance with the latest Avian Power Line Interaction Committee design standards, and shall only install permanent meteorological towers that are unguyed. [Final Order on ASC (2017), Fish and Wildlife Habitat Condition 6]
STANDARD: SCENIC RESOURCES (SR) [OAR 345-022-0080]	
GEN-SR-01	To reduce visual impacts associated with lighting facility structures, other than lighting on structures subject to the requirements of the Federal Aviation Administration or the Oregon Department of Aviation, the certificate holder shall implement the following measures: a. Outdoor night lighting at the collector substations, Operations and Maintenance Buildings, and battery storage systems, must be i. The minimum number and intensity required for safety and security;

Commented [A6]: Removal of references to constructing a new O&M building. See Division 27 document.

Commented [A7]: Removal of references to constructing a new O&M building. Multiple substations. See Division 27 document.

	ii. Directed downward and inward within the facility to minimize backscatter and offsite light trespass; and iii. Have motion sensors and switches to keep lights turned off when not needed. [Final Order on ASC (2017), Scenic Resources Condition 1, AMD2 (2018)]
GEN-SR-02	The certificate holder shall: a. Design and construct the ~~O&M buildings and~~ battery storage systems to be generally consistent with the character of agricultural buildings used by farmers or ranchers in the area, and the buildings shall be finished in a neutral color to blend with the surrounding landscape; b. Paint or otherwise finish turbine structures in a grey, white, or off-white, low reflectivity coating to minimize reflection and contrast with the sky, unless required otherwise by the local code applicable to the structure location. c. Design and construct support towers for the intraconnection transmission lines using either wood or steel structures and utilize finish with a low reflectivity coating; d. Finish substation structures and battery storage systems utilizing neutral colors to blend with the surrounding landscape; e. Minimize use of lighting and design lighting to prevent offsite glare; f. Not display advertising or commercial signage on any part of the proposed facility; g. Limit vegetation clearing and ground disturbance to the minimum area necessary to safely and efficiently install the facility equipment; h. Water access roads and other areas of ground disturbance during construction, as needed, to avoid the generation of airborne dust; and i. Restore and revegetate temporary impact areas as soon as practicable following completion of construction. [Final Order on ASC (2017), Scenic Resources Condition 2, AMD2 (2018)]
STANDARD: PUBLIC SERVICES (PS) [OAR 345-022-0110]	
GEN-PS-01	During construction and operation, the certificate holder shall coordinate with its solid waste handler to provide the information solicited through the Oregon Department of Environmental Quality's Recycling Collector Survey to the Morrow County waste shed representative on an annual basis. [Final Order on ASC (2017), Public Services Condition 5]
GEN-PS-02	The certificate holder shall construct turbine towers with no exterior ladders or access to the turbine blades and shall install locked tower access doors. The shared/existing O&M building~~s~~ shall ~~be~~ remain fenced. The certificate holder shall keep tower access doors and shared/existing O&M building~~s~~ locked at all times, except when authorized personnel are present. [Final Order on ASC (2017), Public Services Condition 11]
GEN-PS-03	Prior to construction and operation of the facility, , the certificate holder must provide employee fire prevention and response training that includes instruction on facility fire hazards, fire safety, emergency notification procedures, use of fire safety equipment, and fire safety rules and regulations. The certificate holder shall notify the department and the first-response agencies listed in the Emergency Management Plan developed to comply with Public Services Condition 13 at least 30 days prior to the annual training to provide an opportunity to participate in the training. Equivalent training shall be provided to new employees or subcontractors working on site that are hired during the fire season. The certificate holder must retain records of the training and provide them to the department upon request. [Final Order on ASC (2017), Public Services Condition 18]
GEN-PS-04	The certificate holder shall design, construct and maintain the battery storage systems within a 100 foot vegetation free zone.

Commented [A8]: Removal of references to constructing a new O&M building. See Division 27 document.

Commented [A9]: Added clarification of usage of the existing O&M building. See Division 27 document.

	[Final Order on AMD2 (2018), Public Services Condition 23]
STANDARD: PUBLIC HEALTH AND SAFETY FOR WIND FACILITIES (WF) [OAR 345-024-0010]	
GEN-WF-01	During construction and operation, the certificate holder shall follow manufacturers' recommended handling instructions and procedures to prevent damage to turbine or turbine tower components. [Final Order on ASC (2017), Public Health and Safety Standards for Wind Facilities Condition 3]
GEN-WF-02	The certificate holder shall notify the department, the Morrow County Planning Department and the Umatilla County Planning Department within 72 hours of any accidents including mechanical failures on the site associated with construction or operation of the facility that may result in public health or safety concerns. [Final Order on ASC (2017), Public Health and Safety Standards for Wind Facilities Condition 5]

4.3 Pre-Construction (PRE) Conditions

Condition Number	Pre-Construction (PRE) Conditions
STANDARD: ORGANIZATIONAL EXPERTISE (OE) [OAR 345-022-0010]	
PRE-OE-01	Before beginning construction of the facility, facility component or phase, as applicable, the certificate holder shall notify the department of the identity and qualifications of the major design, engineering and construction contractor(s) for the facility. The certificate holder shall select contractors that have substantial experience in the design, engineering and construction of similar facilities. The certificate holder shall report to the department any changes of major contractors. [Final Order on ASC (2017), Organizational Expertise Condition 1, AMD1 (2020)]
PRE-OE-02	Before beginning construction of the facility, facility component or phase, as applicable, the certificate holder shall notify the department of the identity and qualifications of the construction manager to demonstrate that the construction manager is qualified in environmental compliance and has the capability to ensure compliance with all site certificate conditions. [Final Order on ASC (2017), Organizational Expertise Condition 2; AMD1 (2020]]
PRE-OE-03	Prior to construction of the facility, facility component or phase, as applicable, the certificate holder shall contractually require all construction contractors and subcontractors involved in the construction of the facility to comply with all applicable laws and regulations and with the terms and conditions of the site certificate. Such contractual provisions shall not operate to relieve the certificate holder of responsibility under the site certificate. [Final Order on ASC (2017), Organizational Expertise Condition 3, AMD1 (2020)]
PRE-OE-04	Before beginning construction of the facility, facility component or phase, as applicable, the certificate holder shall notify the department before conducting any work on the site that does not qualify as surveying, exploration, or other activities to define or characterize the site. The notice must include a description of the work and evidence that its value is less than $250,000 or evidence that the certificate holder has satisfied all conditions that are required prior to beginning construction. [Final Order on ASC (2017), Organizational Expertise Condition 4, AMD1 (2020)]
PRE-OE-05	Prior to construction of the facility, facility component or phase, as applicable, the certificate holder must provide the department and Umatilla and Morrow Counties with the name(s) and location(s) of the aggregate source and evidence of the source's county permit(s). [Final Order on ASC (2017), Organizational Expertise Condition 7, AMD1 (2020)]
~~PRE-OE-06~~	~~The certificate holder must:~~ ~~a. Prior to construction of wind facility components, as applicable, provide evidence to the department and Umatilla County that the third party that will construct, own and operate the interconnection transmission line has obtained all necessary approvals and permits for that interconnection transmission line and that the certificate holder has a contract with the third party for use of the transmission line.~~ ~~b. During construction and operation, promptly report to the Department if any third party permits referenced in sub(b) of this condition have been cited for a Notice of Violation.~~ ~~[Final Order on ASC (2017), Organizational Expertise Condition 8; AMD4 (2019); AMD5 (2020); AMD1 (2020)]~~
STANDARD: STRUCTURAL (SS) [OAR 345-022-0020]	

Commented [A10]: Not applicable to proposed project. (i.e., intraconnection line will be constructed and owned by Wheatridge East Wind, LLC, not a third party).

PRE-SS-01	Before beginning construction of the facility, facility component or phase, as applicable, the certificate holder must: a) Submit a protocol to the Department and Oregon Department of Geology & Mineral Industries (DOGAMI), for review, with the applicable codes, standards, and guidelines to be used, and proposed geotechnical work to be conducted for the site-specific geotechnical investigation report. b) Following receipt and review of Department and DOGAMI comments on the protocol per (a), the certificate holder shall conduct a site-specific geological and geotechnical investigation, and shall report its findings to DOGAMI and the department. The report shall be used by the certificate holder in final facility layout and design. The department shall review, in consultation with DOGAMI, and confirm that the investigation report includes an adequate assessment of the following information: • Subsurface soil and geologic conditions of the site boundary • Define and delineate geological and geotechnical hazards, and means to mitigate these hazards • Geotechnical design criteria and data for the turbine foundations, foundations of substations, shared/existing O&M buildings, battery storage systems, roads, and other related and supporting facilities • Design data for installation of underground and overhead collector lines, and overhead transmission lines • Investigation of specific areas with potential for slope instability and landslide hazards. Landslide hazard evaluation shall be conducted by LIDAR and field work, as recommended by DOGAMI • Investigations of the swell and collapse potential of loess soils within the site boundary. [Final Order on ASC (2017), Structural Standard Condition 1; AMD2 (2018); AMD1 (2020)]
PRE-SS-02	Prior to construction of the facility, facility component or phase, as applicable, the certificate holder shall include as part of the geotechnical investigation required per Structural Standard Condition 1, an investigation of all potentially active faults within the site boundary, including the fault labeled as 2438 on Figures H-1 and H-2 of ASC Exhibit H. The investigation shall include a description of the potentially active faults, their potential risk to the facility, and any additional mitigation that will be undertaken by the certificate holder to ensure safe design, construction, and operation of the facility. [Final Order on ASC (2017), Structural Standard Condition 3; AMD5 (2020), AMD1 (2020)]
PRE-SS-03	Prior to construction of the facility, facility component or phase, as applicable, the certificate holder shall include as part of the geotechnical investigation required per Structural Standard Condition 1 an investigation of specific areas with potential for slope instability and shall site turbine strings appropriate to avoid potential hazards. The landslide hazards shall be investigated and mapped before final facility layout and design. The landslide hazard evaluation shall be conducted by a combination of LIDAR and field work. [Final Order on ASC (2017), Structural Standard Condition 4, AMD1 (2020)]
PRE-SS-04	Prior to construction of the facility, facility component or phase, as applicable, the certificate holder shall include as part of the geotechnical investigation required per Structural Standard Condition 1, an investigation of the swell and collapse potential of loess soil in the site boundary. Based on the results of the investigation, the certificate holder shall include mitigation measures including, as necessary, over-excavating and replacing loess soil with structural fill, wetting and compacting, deep foundations, or avoidance of specific areas. [Final Order on ASC (2017), Structural Standard Condition 5, AMD1 (2020)]

Commented [A11]: Added clarification of usage of the existing O&M building. See Division 27 document

STANDARD: SOIL PROTECTION (SP) [OAR 345-022-0022]	
PRE-SP-01	Prior to beginning construction, the certificate holder shall provide a copy of a DEQ-approved construction Spill Prevention Control and Countermeasures (SPCC) plan, to be implemented during facility construction. The SPCC plan shall include the measures described in Exhibit I of ASC and in the final order approving the site certificate. [Final Order on ASC (2017), Soil Protection Condition 3]
PRE-SP-02	Prior to construction of the facility, facility component or phase, as applicable, the certificate holder shall ensure that the final Revegetation Plan includes a program to protect and restore agricultural soils temporarily disturbed during facility construction. As described in the final order, agriculture soils shall be properly excavated, stored, and replaced by soil horizon. Topsoil shall be preserved and replaced. The Revegetation Plan shall be finalized pursuant to Fish and Wildlife Habitat Condition 11. [Final Order on ASC (2017), Soil Protection Condition 4, AMD1 (2020)]
~~PRE-SP-03~~	~~Prior to beginning construction of the O&M buildings, the certificate holder shall secure any necessary septic system permits from DEQ. Copies of the necessary permits must be provided to the department prior to beginning construction of the O&M buildings.~~ ~~[Final Order on ASC (2017), Soil Protection Condition 7]~~
STANDARD: LAND USE (LU) [OAR 345-022-0030]	
PRE-LU-01	Before beginning construction of the facility, facility component or phase, as applicable, the certificate holder shall complete the following: a. Pay the requisite fee and obtain a Zoning Permit from Morrow County for all facility components sited in Morrow County; and b. Obtain all other necessary local permits, including building permits. c. Provide the county with a building permit application, a third party technical report which includes: 1. Evaluates fire hazards and; 2. Presents mitigation and recommendations for a fire suppression system designed for the battery storage systems. d. The certificate holder shall provide copies of the third-party technical report and issued permits to the Department. [Final Order on ASC (2017), Land Use Condition 3; AMD2 (2018), AMD1 (2020)]
PRE-LU-02	Before beginning construction of the facility, facility component or phase, as applicable, the certificate holder shall pay the requisite fee and obtain a Conditional Use Permit as required under Morrow County Zoning Ordinance Article 6 Section 6.015. [Final Order on ASC (2017), Land Use Condition 5, AMD1 (2020)]
PRE-LU-03	Before beginning construction, the certificate holder shall prepare a Weed Control Plan that is consistent with Morrow and Umatilla County weed control requirements to be approved by the department, substantially similar to the draft plan provided in the Attachment E of the *Final Order on Amendment 1 of the Wheatridge Renewable Energy Facility East~~I~~ Site Certificate* (MONTH YEAR~~November 2020~~). The department shall consult with Morrow and Umatilla counties and ODFW. The final plan must be submitted to the department no less than 30 days prior to the beginning of construction. The certificate holder shall implement the requirements of the approved plan during all phases of construction and operation of the facility. [Final Order on ASC (2017), Land Use Condition 6; AMD5 (2020); AMD1 (2020)]
PRE-LU-04	Before beginning construction of the facility, facility component or phase, as applicable, the certificate holder shall record in the real property records of Morrow County a Covenant Not to Sue with regard to generally accepted farming practices on adjacent farmland. [Final Order on ASC (2017), Land Use Condition 7, AMD1 (2020)]

Commented [A12]: Removal of references to constructing a new O&M building. See Division 27 document.

PRE-LU-05	Prior to beginning construction of the facility, facility component or phase, as applicable, the certificate holder shall consult with surrounding landowners and lessees and shall consider proposed measures to reduce or avoid any adverse impacts to farm practices on surrounding lands and to avoid any increase in farming costs during construction and operation of the facility. Prior to beginning construction, the certificate holder shall provide evidence of this consultation to the department, Morrow County, and Umatilla County. [Final Order on ASC (2017), Land Use Condition 12; AMD5 (2020), AMD1 (2020)]
PRE-LU-06	Before beginning construction of the facility, facility component or phase, as applicable, the certificate holder shall work with the Morrow County Road Department to identify specific construction traffic related concerns, and develop a traffic management plan that specifies necessary traffic control measures to mitigate the effects of the temporary increase in traffic. The certificate holder must provide a copy of the traffic management plan to the department and Morrow County, and must implement the traffic management plan during construction. [Final Order on ASC (2017), Land Use Condition 13, AMD1 (2020)]
PRE-LU-07	Before beginning construction of the facility, facility component or phase, as applicable, the certificate holder must: a. Pay the requisite fee(s) and obtain a Zoning Permit(s) from Umatilla County for facility components sited within Umatilla County, including, but not limited to, turbines, substations, ~~O&M building,~~ and the intraconnection line. b. Provide the Department and county with a building permit application that includes a third party technical report which: 1. Evaluates fire hazards, and 2. Presents mitigation and recommendations for a fire suppression system designed for the battery storage systems. c. The certificate holder shall provide copies of the third-party technical report and issued permits to the Department. [Final Order on ASC (2017), Land Use Condition 15; AMD2 (2018), AMD1 (2020)]
PRE-LU-08	Prior to facility construction of the facility, facility component or phase, as applicable, the certificate holder shall install gates and no trespassing signs at all private access roads established or improved for the purpose of facility construction and operation if requested by the underlying landowner. [Final Order on ASC (2017), Land Use Condition 18; AMD4 (2019), AMD1 (2020)]
PRE-LU-09	Before beginning construction of the facility, facility component or phase, as applicable, the certificate holder shall record in the real property records of Umatilla County a Covenant Not to Sue with regard to generally accepting farming practices on adjacent farmland. [Final Order on ASC (2017), Land Use Condition 21, AMD1 (2020)]
STANDARD: RETIREMENT AND FINANCIAL ASSURANCE (RT) [OAR 345-022-0050]	
PRE-RF-01	Before beginning construction of the facility, the certificate holder shall submit to the State of Oregon, through the Council, a bond or letter of credit in a form and amount satisfactory to the Council to restore the site to a useful, non-hazardous condition. The certificate holder shall maintain a bond or letter of credit in effect at all times until the facility has been retired. The Council may specify different amounts for the bond or letter of credit during construction and during operation of the facility. [Final Order on ASC (2017), Retirement and Financial Assurance Condition 4] [Mandatory Condition OAR 345-025-0006(8)]
PRE-RF-02	Before beginning construction of the wind energy facility components or its related or supporting facilities, the certificate holder shall submit to the State of Oregon, through the Council, a bond or letter of credit naming the State of Oregon, acting by and through the Council, as beneficiary or payee. The initial bond or letter of credit amount for wind facility components is $9.5~~7.0~~ million

Commented [A13]: Removal of references to constructing a new O&M building. Multiple substations. See Division 27 document.

	dollars (Q4~~2~~ 2022~~0~~ dollars), to be adjusted to the date of issuance based on the line items and unit costs presented in Table 1 of the *Final Order on Amendment 1 for Wheatridge Renewable Energy Facility East~~I~~ Site Certificate* (MONTH YEAR~~November 2020~~), and adjusted on an annual basis thereafter, as described in sub-paragraph (2) of this condition: 1. The certificate holder may adjust the amount of the initial bond or letter of credit based on the final design configuration of the facility. Any revision to the restoration costs should be adjusted to the date of issuance as described in (2) and subject to review and approval by the Council. 2. The certificate holder shall adjust the amount of the bond or letter of credit using the following calculation: i. Adjust the amount of the bond or letter of credit (expressed in Q4 2022~~2 2020~~ dollars to present value, using the U.S. Gross Domestic Product Implicit Price Deflator, Chain-Weight, as published in the Oregon Department of Administrative Services' "Oregon Economic and Revenue Forecast" or by any successor agency and using the second quarter 2022~~20~~ index value and the quarterly index value for the date of issuance of the new bond or letter of credit. If at any time the index is no longer published, the Council shall select a comparable calculation to adjust second quarter 2022~~20~~ dollars to present value. ii. Round the result total to the nearest $1,000 to determine the financial assurance amount. 3. The certificate holder shall use an issuer of the bond or letter of credit approved by the Council. 4. The certificate holder shall use a form of bond or letter of credit approved by the Council. The certificate holder shall describe the status of the bond or letter of credit in the annual report submitted to the Council under OAR 345-026-0080. The bond or letter of credit shall not be subject to revocation or reduction before retirement of the facility site. [Final Order on ASC (2017), Retirement and Financial Assurance Condition 5; AMD2 (2018); AMD4 (2019); AMD5 (2020); AMD1 (2020)]
STANDARD: FISH AND WILDLIFE HABITAT (FW) [OAR 345-022-0060]	
PRE-FW-01	Prior to final site design and facility layout, the certificate holder shall conduct a field-based habitat survey to confirm the habitat categories of all areas outside of Mule Deer Winter Range and confirm any changes to Category 6 habitat within Mule Deer Winter Range that will be affected by facility components. Prior to final site design and facility layout, the certificate holder shall conduct a field-based survey to determine the~~, as well as the~~ locations of any sensitive resources such as active raptor and other bird nests. The survey shall be planned in consultation with the department and ODFW, and survey protocols shall be confirmed with the department and ODFW. Following completion of the field survey, and final layout design and engineering, the certificate holder shall provide the department and ODFW a report containing the results of the survey, showing expected final location of all facility components, the habitat categories of all areas that will be affected by facility components, and the locations of any sensitive resources. The report shall also include an updated version of Table FW-1 Potential Temporary and Permanent Impacts by Habitat Category and Type of the final order, showing the acres of expected temporary and permanent impacts to each habitat category, type, and sub-type. The pre-construction survey shall be used to complete final design, facility layout, and micrositing of facility components. As part of the report, the certificate holder shall include its impact assessment methodology and calculations, including assumed temporary and permanent impact acreage for each transmission structure, wind turbine, access road, and all other facility components. If construction laydown yards are to be retained post construction, due to a landowner request or otherwise, the construction laydown yards must be calculated as permanent impacts, not temporary. In classifying the affected habitat into habitat categories, the certificate holder shall consult with the department and ODFW. The certificate holder shall not begin construction of the facility until the habitat assessment, categorization, and impact assessment has been approved by the

Commented [A14]: Updated cost estimate. See Exhibit X.

Commented [A15]: Proposed changes discussed with ODOE and ODFW at 2/16/23 virtual meeting; ODFW concurred with proposed changes via 3/8/23 email.

	department, in consultation with ODFW. The certificate holder shall not construct any facility
	components within areas of Category 1 habitat and shall avoid temporary disturbance of Category 1 habitat. [Final Order on ASC (2017), Fish and Wildlife Habitat Condition 1]
PRE-FW-02	Prior to construction, the certificate holder shall finalize and implement the Wildlife Monitoring and Mitigation Plan (WMMP) provided in Attachment F-2 of the *Final Order on Request for Amendment 1 of the Wheatridge Renewable Energy Facility East~~I~~ Site Certificate* (MONTH YEAR~~November 2020~~), based on the final facility design, as approved by the department in consultation with ODFW. a. The final WMMP must be submitted and ODOE's concurrence received prior to the beginning of construction. ODOE shall consult with ODFW on the final WMMP. The certificate holder shall implement the requirements of the approved WMMP during all phases of construction and operation of the facility. b. The WMMP may be amended from time to time by agreement of the certificate holder and the Oregon Energy Facility Siting Council ("Council"). Such amendments may be made without amendment of the site certificate. The Council authorizes the Department to agree to amendments to this plan. The Department shall notify the Council of all amendments, and the Council retains the authority to approve, reject, or modify any amendment of the WMMP agreed to by the Department. [Final Order on ASC (2017), Fish and Wildlife Habitat Condition 4; AMD5 (2020)]
PRE-FW-03	Prior to construction of the facility, facility component or phase, as applicable, the certificate holder shall flag all environmentally sensitive areas as restricted work zones. Restricted work zones shall include but not be limited to areas with sensitive or protected plant species, including candidate species, wetlands and waterways that are not authorized for construction impacts, areas with seasonal restrictions, and active state sensitive species bird nests. [Final Order on ASC (2017), Fish and Wildlife Habitat Condition 8, AMD1 (2020)]

PRE-FW-04	Before beginning construction of the facility, facility component or phase, as applicable, the certificate holder shall prepare and receive approval from the department of a final Habitat Mitigation Plan, substantially as presented in Attachment C-2 of the *Final Order on Amendment 1 of the Wheatridge Renewable Energy Facility East~~I~~ Site Certificate* (MONTH YEAR~~November 2020~~). The final Habitat Mitigation Plan shall be based on the final facility design and shall be approved by the department in consultation with ODFW. The Council retains the authority to approve, reject or modify the final HMP. a. The final Habitat Mitigation Plan and the department's approval must be received prior to beginning construction. The department shall consult with ODFW on the final plan. The certificate holder shall implement the requirements of the approved plan during all phases of construction and operation of the facility. b. The certificate holder shall calculate the size of the habitat mitigation area according to the final design configuration of the facility and the estimated areas of habitat affected in each habitat category, in consultation with the department, as per the pre-construction survey results and impact assessment calculations called for in Fish and Wildlife Habitat Condition 1. c. The certificate holder shall acquire the legal right to create, enhance, maintain, and protect the habitat mitigation area, as long as the site certificate is in effect, by means of an outright purchase, conservation easement or similar conveyance and shall provide a copy of the documentation to the department prior to the start of construction. Within the habitat mitigation area, the certificate holder shall improve the habitat quality as described in the final Habitat Mitigation Plan. d. The certificate holder shall provide a habitat assessment of the habitat mitigation area, based on a protocol approved by the Department in consultation with ODFW, which includes methodology, habitat map and available acres by habitat category and subtype in tabular format. e. The final HMP shall include an implementation schedule for all mitigation actions, including securing the conservation easement, conducting the ecological uplift actions at the habitat mitigation area, revegetation and restoration of temporarily impacted areas, and monitoring.
	The mitigation actions shall be implemented according to the following schedule, as included in the HMP: i. Restoration and revegetation of temporary construction-related impact area shall be conducted as soon as possible following construction. ii. The certificate holder shall obtain legal authority to conduct the required mitigation work at the compensatory habitat mitigation site before commencing construction. The habitat enhancement actions at the compensatory habitat mitigation site shall be implemented concurrent with construction. f. The final HMP shall include a monitoring and reporting program for evaluating the effectiveness of all mitigation actions, including restoration of temporarily impacted areas and ecological uplift actions at the habitat mitigation area. g. The final HMP shall include mitigation in compliance with the Council's Fish and Wildlife Habitat standard, including mitigation for temporary impacts to Category 4 habitat (shrub-steppe habitat); and, mitigation for all Category 2 habitat impacts that meet the mitigation goal of no net loss of habitat quality or quantity, plus a net benefit of habitat quality or quantity. h. The final HMP may be amended from time to time by agreement of the certificate holder and the Oregon Energy Facility Siting Council ("Council"). Such amendments may be made without amendment of the site certificate. The Council authorizes the Department to agree to amendments to this plan. The Department shall notify the Council of all amendments, and the Council retains the authority to approve, reject, or modify any amendment of this plan agreed to by the Department. [Final Order on ASC (2017), Fish and Wildlife Habitat Condition 10, AMD1 (2020)]

PRE-FW-05	Before beginning construction, the certificate holder shall prepare and receive approval of a final Revegetation Plan, provided as Attachment D-2 of the *Final Order on Amendment 1 of the Wheatridge Renewable Energy Facility East# Site Certificate* (MONTH YEAR~~November 2020~~), from the Department, in consultation with Umatilla and Morrow counties and ODFW. The certificate holder shall implement the requirements of the approved plan during all phases of construction and operation of the facility. [Final Order on ASC (2017), Fish and Wildlife Habitat Condition 11; AMD5 (2020)]
STANDARD: THREATENED AND ENDANGERED SPECIES (TE) [OAR 345-022-0070]	
PRE-TE-01	Prior to construction of the facility, facility component or phase, as applicable, the certificate holder shall determine the boundaries of Category 1 Washington ground squirrel (WGS) habitat. The certificate holder shall hire a qualified professional biologist who has experience in detection of ~~Washington ground squirrel~~ WGS to conduct pre-construction surveys using a survey protocol approved by the department in consultation with ODFW. The biologist shall survey all areas of suitable habitat within 1,000 feet of any ground disturbing activity. Ground disturbing activity refers to any potential impact, whether permanent or temporary. The protocol surveys shall be conducted in the active squirrel season (March 1 to May 31) prior to construction commencement. The protocol survey is valid for three years. In years 1, 2 or 3 following the protocol-level WGS surveys, in areas of ground disturbance within 1,000-feet of WGS colonies documented during the valid protocol surveys, the certificate holder shall survey the locations of known WGS colonies only (i.e., non-protocol surveys) to determine the updated extent of Category 1 habitat. ~~If construction begins within three years of conducting the protocol survey, but not within one year of the protocol survey, the certificate holder shall conduct a pre-construction survey only within areas of suitable Washington ground squirrel habitat where ground disturbing activity would occur.~~ The certificate holder shall provide written reports of the surveys to the department and to ODFW and shall identify the boundaries of Category 1 ~~Washington ground squirrel~~ (WGS) habitat. The certificate holder shall not begin construction within suitable habitat until the identified boundaries of Category 1 WGS habitat have been approved by the department, in consultation with ODFW. The certificate holder shall avoid any permanent or temporary disturbance in all Category 1 WGS habitat. The certificate holder shall ensure that these sensitive areas are correctly marked with exclusion flagging and avoided during construction. [Final Order on ASC (2017), Threatened and Endangered Species Condition 1, AMD1 (2020)]
PRE-TE-02	In accordance with Fish and Wildlife Habitat Condition 4, prior to construction, the certificate holder shall finalize and implement the Wildlife Monitoring and Mitigation Plan (WMMP) provided in Attachment F-2 of the *Final Order on Amendment 1 of the Wheatridge Renewable Energy Facility East# Site Certificate* (MONTH YEAR~~November 2020~~), based on the final facility design, as approved by the department in consultation with ODFW. The final WMMP shall include a program to monitor potential impacts from facility operation on Washington ground squirrel. Monitoring shall be of any known colonies and shall be completed on the same schedule as the raptor nest monitoring for the facility. The monitoring surveys shall include returning to the known colonies to determine occupancy and the extent of the colony as well as a general explanation of the amount of use at the colony. If the colony is not found within the known boundary of the historic location a survey 500 feet out from the known colony will be conducted to determine if the colony has shifted over time. Any new colonies that are located during other monitoring activities, such as raptor nest monitoring surveys, shall be documented and the extent of those colonies should be delineated as well. These newly discovered colonies shall also be included in any future WGS monitoring activities. [Final Order on ASC (2017), Threatened and Endangered Species Condition 2]

Commented [A16]: Proposed changes discussed with ODOE and ODFW at 2/16/23 virtual meeting; ODFW concurred with proposed changes via 3/8/23 email.

PRE-TE-03	To avoid potential impacts to Laurent's milkvetch, the certificate holder must: i. Conduct preconstruction plant surveys for Laurent's milkvetch within 100-feet of temporary and permanent disturbance from all facility components, unless extent of survey area within suitable habitat from temporary and permanent disturbance is otherwise agreed upon by the Department on consultation with Oregon Department of Agriculture. If the species is found to occur, the certificate holder must install protection flagging around the plant population and avoid any ground disturbance within this zone. ii. Ensure that any plant protection zone established under (i) above is included on construction plans showing the final design locations. iii. If herbicides are used to control weeds, the certificate holder shall follow the manufacturer's guidelines in establishing a buffer area around confirmed populations of Laurent's milkvetch. Herbicides must not be used within the established buffers. iv. If avoidance cannot be maintained, the certificate holder may request that the Department consider an avoidance exception, authorized through Council concurrence as further described below. The exception request must include an impact assessment and mitigation plan for the affected species including but not be limited to: • Literature review and/or field studies that inform the current status of the species within the survey area or region, if survey area does not contain sufficient information to develop a statistically viable approach for determining impact significance; • A description of the individual(s) or population(s) identified within the survey area that would be avoided and impacted; • An evaluation of facility impacts on the survival or recovery of the species, in accordance with the Threatened and Endangered Species standard; • Proposed mitigation measures such as: funded studies that improve understanding of reproductive biology and pollination; development of seed germination, propagation, and transplanting protocols; and/or, compensatory mitigation project including conservation easement(s) and species propagation, protection, and habitat enhancement measures, and/or other proposed mitigation measures that would benefit the affected species. • The Department's review and determination of the exception request shall be conducted in consultation with the Oregon Department of Agriculture, or a third-party consultant. The Department's determination on the exception request must be concurred with by Council. Council retains authority to reject, modify or concur with the exception request.
	[Final Order on ASC (2017), Threatened and Endangered Species Condition 3; AMD3 (2018); AMD4 (2019)]
STANDARD: HISTORIC, CULTURAL, AND ARCHAEOLOGICAL RESOURCES (HC) [OAR 345-022-0090]	
PRE-HC-01	Before beginning construction, the certificate holder shall provide to the department a map showing the final design locations of all components of the facility, the areas that will be temporarily disturbed during construction and the areas that were surveyed in 2013-~~2314~~ for historic, cultural, and archaeological resources. [Final Order on ASC (2017), Historic, Cultural, and Archeological Resources Condition 1]
PRE-HC-02	Before beginning construction, the certificate holder shall mark the buffer areas established under Historic, Cultural, and Archeological Resources Condition 3 (see CON-HC-01) for all identified historic, cultural, or archaeological resource sites (including those of unknown age) on construction maps and drawings as "no entry" areas. A copy of current maps and drawings must be maintained onsite during construction and made available to the department upon request. [Final Order on ASC (2017), Historic, Cultural, and Archeological Resources Condition 2]

Commented [A17]: Updated to reflect correct dates of surveys. See Exhibit S.

PRE-HC-03	Before beginning construction, the certificate holder shall ensure that a qualified archeologist, as defined in OAR 736-051-0070, trains construction contractors on how to identify sensitive historic, cultural, and archaeological resources present onsite and on measures to avoid accidental damage to identified resource sites. Records of such training must be maintained onsite during construction, and made available to the department upon request. [Final Order on ASC (2017), Historic, Cultural, and Archeological Resources Condition 4]
STANDARD: PUBLIC SERVICES (PS) [OAR 345-022-0110]	
PRE-PS-01	Prior to construction, the certificate holder shall prepare a Traffic Management Plan that includes the procedures and actions described in this order and the mitigation measures identified in ASC Exhibit U, Section 3.5.4. The plan shall be approved by the department in consultation with the appropriate transportation service providers. The plan shall be maintained onsite and implemented throughout construction of the facility. In addition, the certificate holder shall include the following information in the plan: a. Procedures to provide advance notice to all affected local jurisdictions and adjacent landowners of construction deliveries and the potential for heavy traffic on local roads; b. A policy of including traffic control procedures in contract specifications for construction of the facility; c. Procedures to maintain at least one travel lane at all times to the extent reasonably possible so that roads will not be closed to traffic because of construction vehicles; d. A policy of ensuring that no equipment or machinery is parked or stored on any county road whether inside or outside the site boundary. The certificate holder may temporarily park equipment off the road but within county rights-of-way with the approval of the Morrow County and Umatilla County Public Works Departments; e. A policy to encourage and promote carpooling for the construction workforce; and f. Procedures to keep state highways and county roads free of gravel that may be tracked out on intersecting roads at facility access points. [Final Order on ASC (2017), Public Services Condition 6]
PRE-PS-02	Before beginning construction, the certificate holder must enter into Road Use Agreements with the Morrow County and Umatilla County Public Works Departments. The Agreements must include, at a minimum, a pre-construction assessment of road surfaces under Morrow County and Umatilla County jurisdiction, construction monitoring, and post-construction inspection and repair. A copy of the Road Use Agreements with Morrow County and Umatilla County must be submitted to the department before beginning construction. If required by Morrow County or Umatilla County, the certificate holder shall post bonds to ensure funds are available to repair and maintain roads affected by the facility.

	[Final Order on ASC (2017), Public Services Condition 7]
PRE-PS-03	The certificate holder shall design and construct new access roads and private road improvements to standards approved by Umatilla County or Morrow County. Where modifications of county roads are necessary, the certificate holder shall construct the modifications entirely within the county road rights-of-way and in conformance with county road design standards subject to the approval of the Umatilla County and Morrow County Public Works Departments. [Final Order on ASC (2017), Public Services Condition 8]

PRE-PS-04	Before beginning construction of the facility, facility component or phase, as applicable, the certificate holder shall submit to the Federal Aviation Administration (FAA) and the Oregon Department of Aviation an FAA Form 7460-1 Notice of Proposed Construction or Alteration for each turbine. Before beginning construction, the certificate holder shall submit to the department the results of the Oregon Department of Aviation aeronautical study and determination. If the department, in consultation with the Oregon Department of Aviation, determines that any turbine would adversely impact an airport's ability to provide service by obstructing the airport's primary or horizontal surface, the department, in consultation with the Oregon Department of Aviation and the certificate holder, shall determine appropriate mitigation, if any, prior to construction. [Final Order on ASC (2017), Public Services Condition 9, AMD1 (2020)]
PRE-PS-05	Prior to construction, the certificate holder shall prepare an Emergency Management Plan that includes the procedures and actions described in this order and in ASC Exhibit U. The certificate holder shall submit the plan to ODOE for review and approval in consultation with the appropriate local fire protection districts (including the City of Heppner Volunteer Fire Department and Echo Rural Fire Protection District) prior to construction. The plan shall be maintained onsite and implemented throughout construction and operation of the facility. Any updates to the plan shall be provided to the department within 30 days. All onsite workers shall be trained on the fire prevention and safety procedures contained in the plan prior to working on the facility. Additional information that shall be included in the plan: a. Current contact information of at least two facility personnel available to respond on a 24-hour basis in case of an emergency on the facility site. The contact information must include name, telephone number(s), physical location, and email address for the listed contact(s). An updated list must be provided to the fire protection agencies immediately upon any change of contact information. A copy of the contact list, and any updates as they occur, must also be provided to the Department, along with a list of the agencies that received the contact information. b. Identification of agencies that participated in developing the plan; c. Identification of agencies that are designated as first response agencies or are included in any mutual aid agreements with the facility; d. A list of any other mutual aid agreements or fire protection associations in the vicinity of the facility; e. Contact information for each agency listed above; f. Communication protocols for both routine and emergency events and the incident command system to be used in the event a fire response by multiple agencies is needed at the facility; g. Access and fire response at the facility site during construction and operations. Fire response plans during construction should address regular and frequent communication amongst the agencies regarding the number and location of construction sites within the site boundary, access roads that are completed and those still under construction, and a temporary signage system until permanent addresses and signs are in place; h. The designated meeting location in case of evacuation; i. Staff training requirements; and Copies of mutual aid, fire protection association, or other agreements entered into concerning fire protection at the facility site.

	[Final Order on ASC (2017), Public Services Condition 13; AMD1 (2020)]

PRE-PS-06	Before beginning construction, the certificate holder shall develop and implement, or require its contractors to develop and implement, a site health and safety plan that informs workers and others onsite about first aid techniques and what to do in case of an emergency. The health and safety plan will include preventative measures, important telephone numbers, the locations of onsite fire extinguishers, and the names, locations and contact information of nearby hospitals. All onsite workers shall be trained in safety and emergency response, as per the site health and safety plan. The site health and safety plan must be updated on an annual basis, maintained throughout the construction and operations and maintenance phases of the facility, and available upon request by the department. [Final Order on ASC (2017), Public Services Condition 20]
PRE-PS-07	Before beginning construction, the certificate holder shall ensure that all construction workers are certified in first aid, cardio pulmonary resuscitation (CPR), and the use of an automated external defibrillator (AED). The certificate holder must retain records of the certifications and provide them to the department upon request. The certificate holder shall also ensure that an AED is available onsite at all times that construction activities are occurring. [Final Order on ASC (2017), Public Services Condition 21]
STANDARD: WASTE MINIMIZATION (WM) [OAR 345-022-0120]	
PRE-WM-01	Prior to construction, the certificate holder shall develop a construction waste management plan, to be implemented during all phases of facility construction, which includes at a minimum the following details: a. Specification of the number and types of waste containers to be maintained at construction sites and construction yards b. Description of waste segregation methods for recycling or disposal. c. Names and locations of appropriate recycling and waste disposal facilities, collection requirements, and hauling requirements to be used during construction. The certificate holder shall maintain a copy of the construction waste management plan onsite and shall provide to the department a report on plan implementation in the 6-month construction report required pursuant to OAR 345-026-0080(1)(a). [Final Order on ASC (2017), Waste Minimization Condition 2]
PRE-WM-02	Prior to construction, the certificate holder shall investigate and confirm that no surfaces waters, shallow groundwater, or drinking water sources will be adversely impacted by the usage of concrete washout water in the foundations of facility components, and shall submit an investigation report to the department. Prior to construction, the department, in consultation with DEQ, shall review the results of the investigation report and shall verify that the plan to dispose of concrete washout water in the foundations of facility components is unlikely to adversely impact surface waters, shallow groundwater, or drinking water sources. The applicant's investigation shall be based on the anticipated final facility layout and design. If the results of the investigation show that the proposed concrete washout water disposal method would cause adverse impacts to surface water, shallow groundwater, or drinking water sources, the applicant shall propose mitigation measures to reduce potential impacts, for review and approval by the department in consultation with DEQ, prior to construction. [Final Order on ASC (2017), Waste Minimization Condition 3]

STANDARD: SITING STANDARDS FOR TRANSMISSION LINES (TL) [OAR 345-024-0090]	
PRE-TL-01	Prior to construction, the certificate holder shall schedule a time to brief the OPUC Safety, Reliability, and Security Division (Safety) Staff as to how it will comply with OAR Chapter 860, Division 024 during design, construction, operations, and maintenance of the facilities. [Final Order on ASC (2017), Siting Standard Condition 2]
STANDARD: NOISE CONTROL REGULATION (NC) [OAR 345-035-0035]	
PRE-NC-01	Prior to construction, the certificate holder shall provide to the department: a. Information that identifies the final design locations of all facility components to be built at the facility; b. The maximum sound power level for the facility components and the maximum sound power level and octave band data for the turbine type(s), transformers (substations), invertors, AC- and DC-coupled battery storage cooling system selected for the facility based on manufacturers' warranties or confirmed by other means acceptable to the department; c. The results of the noise analysis of the final facility design performed in a manner consistent with the requirements of OAR 340-035-0035(1)(b)(B) (iii)(IV) and (VI). The analysis must demonstrate to the satisfaction of the department that the total noise generated by the facility (including turbines, transformers, invertors, AC- and DC-coupled battery storage cooling systems) would meet the ambient noise degradation test and maximum allowable test at the appropriate measurement point for all potentially-affected noise sensitive properties, or that the certificate holder has obtained the legally effective easement or real covenant for expected exceedances of the ambient noise degradation test described (d) below. If applicable, ~~t~~The analysis must also identify noise mitigation that ~~the noise reduction operation (NRO) mode approach that~~ will be used during facility operation and include a figure that depicts the turbines (or other equipment) that will implement noise mitigation ~~be operating in NRO mode~~ and the associated dBA reduction level; if required to meet the maximum allowable decibel threshold of 50 dBA; and, d. For each noise-sensitive property where the certificate holder relies on a noise waiver to demonstrate compliance in accordance with OAR 340-035-0035(1)(b)(B)(iii)(III), a copy of the legally effective easement or real covenant pursuant to which the owner of the property authorizes the certificate holder's operation of the facility to increase ambient statistical noise levels L_{10} and L_{50} by more than 10 dBA at the appropriate measurement point. The legally effective easement or real covenant must: include a legal description of the burdened property (the noise sensitive property); be recorded in the real property records of the county; expressly benefit the property on which the wind energy facility is located; expressly run with the land and bind all future owners, lessees or holders of any interest in the burdened property; and not be subject to revocation without the certificate holder's written approval. [Final Order on ASC (2017), Noise Control Condition 2; AMD3 (2018); AMD1 (2020)]

Commented [A18]: Changes applied to account for various noise mitigation options such as NRO (noise reduction operation) mode and low noise trailing edge (LNTE).

4.4 Construction (CON) Conditions

Condition Number	Construction (CON) Conditions
STANDARD: SOIL PROTECTION (SP) [OAR 345-022-0022]	
CON-SP-01	During construction, the certificate holder shall conduct all work in compliance with a final Erosion and Sediment Control Plan (ESCP) that is satisfactory to the Oregon Department of Environmental Quality as required under the National Pollutant Discharge Elimination System Construction Stormwater Discharge General Permit 1200-C. [Final Order on ASC (2017), Soil Protection Condition 1]
CON-SP-02	During construction, the erosion and sediment control best management practices and measures as described in ASC Exhibit I, Section 5.2 and listed in the final order approving the site certificate shall be included and implemented as part of the final ESCP. [Final Order on ASC (2017), Soil Protection Condition 2]
STANDARD: LAND USE (LU) [OAR 345-022-0030]	
CON-LU-01	During construction, the certificate holder shall comply with the following requirements: a. Construction vehicles shall use previously disturbed areas including existing roadways and tracks. b. Temporary construction yards and laydown areas shall be located within the future footprint of permanent structures to the extent practicable. c. New, permanent roadways will be the minimum width allowed while still being consistent with safe use and satisfying county road and safety standards. d. Underground communication and electrical lines will be buried within the area disturbed by temporary road widening to the extent practicable. [Final Order on ASC (2017), Land Use Condition 8]
CON-LU-02	During construction, the certificate holder shall install smooth turbine tower structures and turbine nacelles that lack perching or nesting opportunities for birds. [Final Order on ASC (2017), Land Use Condition 17]
CON-LU-03	During construction, the certificate holder shall install the electrical cable collector system underground, where practicable. In agricultural areas, the collector system lines must be installed at a depth of 3 feet or deeper as necessary to prevent adverse impacts on agriculture operations. In all other areas, the collector system lines must be installed a minimum of 3 feet where practicable. [Final Order on ASC (2017), Land Use Condition 19]
STANDARD: FISH AND WILDLIFE HABITAT (FW) [OAR 345-022-0060]	
CON-FW-01	No construction shall occur in mule deer winter range during winter, defined as December 1 to March 31. Mule deer winter range is based on data to be provided by ODFW at the time of construction. Upon request by the certificate holder, the Department may provide exceptions to this restriction. The certificate holder's request must include a justification for the request including any actions the certificate holder will take to avoid, minimize or mitigate impacts to mule deer winter range during winter in the relevant area. The Department will consult with ODFW on any request made under this condition. [Final Order on ASC (2017), Fish and Wildlife Habitat Condition 3; AMD4]

<table>
<tr><td>CON-FW-02</td><td>Prior to construction, the certificate holder shall develop a construction plan that demonstrates construction activities within 0.25-mile of previously identified active nest sites are scheduled to avoid the sensitive nesting and breeding season. Previously identified active nest sites are those identified through the pre-construction raptor nest survey as required through Condition PRE-FW-01 and may also include any previously identified active nest sites from previous surveys.

During construction within the time periods listed below, the certificate holder shall implement buffer zones around active nest sites of the species listed below. Active nest sites shall be identified based on the Condition PRE-FW-01 pre-construction nest survey and be monitored during construction by a biological monitor, both of which shall be based on a protocol approved by the Department in consultation with ODFW- specifying methodology and frequency of monitoring. No ground-disturbing activities within the buffer zone shall occur during the seasonal restrictions. The construction workforce and facility employees must be provided maps with the locations of the buffer zones and be instructed to avoid ground-disturbing activity within the buffer zone during construction activities.

<table><tr><td></td><td></td><td></td></tr><tr><td>Western burrowing owl</td><td>0.25 mile</td><td>April 1 to August 15</td></tr><tr><td>Ferruginous hawk</td><td>0.25 mile</td><td>March 15 to August 15</td></tr><tr><td>Swainson’s hawk</td><td>0.25 mile</td><td>April 1 to August 15</td></tr></table>
If avoidance within the buffer restrictions cannot be maintained, the certificate holder may request approval from the Department in consultation with ODFW on a mitigation and conservation strategy for condition compliance.
[Final Order on ASC (2017), Fish and Wildlife Habitat Condition 5; AMD3 (2018); AMD4 (2019)]</td></tr>
<tr><td>CON-FW-03</td><td>During construction, the certificate holder shall employ a qualified environmental professional to provide environmental training to all personnel prior to working onsite, related to sensitive species present onsite, precautions to avoid injuring or destroying wildlife or sensitive wildlife habitat, exclusion areas, permit requirements and other environmental issues. All personnel shall be given clear maps showing areas that are off-limits for construction, and shall be prohibited from working outside of the areas in the site boundary that have been surveyed and approved for construction. The certificate holder shall instruct construction personnel to report any injured or dead wildlife detected while on the site to the appropriate onsite environmental manager. Records of completed training shall be maintained onsite and made available to the department upon request.
[Final Order on ASC (2017), Fish and Wildlife Habitat Condition 7]</td></tr>
<tr><td>CON-FW-04</td><td>During construction, the certificate holder shall employ at a minimum one environmental inspector ~~to be onsite daily~~. The environmental inspector shall oversee permit compliance and construction, and ensure that known sensitive environmental resources are protected. The environmental inspector shall prepare a weekly report during construction, documenting permit compliance and documenting any corrective actions taken. Reports shall be kept on file and available for inspection by the department upon request.
[Final Order on ASC (2017), Fish and Wildlife Habitat Condition 9]</td></tr>
</table>

Commented [A19]: Added flexibility of timing to reflect the realistic need during various stages of construction (e.g., more monitoring required during ground-disturbing activities versus non-ground-disturbing activities).

STANDARD: HISTORIC, CULTURAL, AND ARCHAEOLOGICAL RESOURCES (HC) [OAR 345-022-0090]	
CON-HC-01	Prior to construction activities, the certificate holder must flag or otherwise mark a 200-foot avoidance buffer around ~~historic archaeological sites~~ Cultural Resources, as identified by the maps and drawings prepared in accordance with Historic, Cultural, and Archeological Resources Conditions 1 and 2. Exceptions to the standardized 200-foot buffer will be limited to those sites where such wide avoidance is infeasible and ODOE and CTUIR have been consulted. In these instances, the sites themselves will not be encroached upon, but the 200-foot buffer will be. No disturbance is allowed within the buffer zones, unless resources assumed likely NRHP eligible ~~(e.g. 6B2H-MC-ISO-17, WRII-BB-IS-01, WRII-DM-04)~~ are concurred not likely NRHP eligible through SHPO review; or, a Historic, Cultural, and Archaeological Resources mitigation plan is submitted and accepted by the Department and SHPO which includes measures such as: additional archival and literature review; video media publications; public interpretation funding; or other form of compensatory mitigation deemed appropriate by the Department, in consultation with SHPO. For ~~historic~~ archaeological sites, an archeological monitor must be present if construction activities are required within 200-feet of sites identified as potentially eligible for listing on the National Register of Historic Places (NRHP) unless otherwise agreed to by the Department and SHPO. ~~The certificate holder may use existing private roads within the buffer areas but may not widen or improve private roads within the buffer areas. The no-entry restriction does not apply to public road rights-of-way within buffer areas.~~ Flagging or marking must be removed immediately upon cessation of activities in the area that pose a threat of disturbance to the site being protected. [Final Order on ASC (2017), Historic, Cultural, and Archeological Resources Condition 3; AMD4 (2019)]
CON-HC-02	During construction, the certificate holder shall ensure that construction personnel cease all ground-disturbing activities in the immediate area if any archeological or cultural resources are found during construction of the facility until a qualified archeologist can evaluate the significance of the find. The certificate holder shall notify the department and the Oregon State Historic Preservation Office (SHPO) of the find. If ODOE, in consultation with SHPO, determines that the resource meets the definition of an archaeological object, archaeological site, or is eligible or likely to be eligible for listing on the (NRHP), the certificate holder shall, in consultation with the department, SHPO, interested Tribes and other appropriate parties, make recommendations to the Council for mitigation, including avoidance, field documentation and data recovery. The certificate holder shall not restart work in the affected area until the department, in consultation with SHPO, agree that the certificate holder has demonstrated that it has complied with archeological resources protection regulations. [Final Order on ASC (2017), Historic, Cultural, and Archeological Resources Condition 5]
STANDARD: PUBLIC SERVICES (PS) [OAR 345-022-0110]	

Commented [A20]: Text revised to include additional resources identified in Analysis Area, which includes more time periods than historic-era.

Commented [A21]: Text removed to allow for eligibility determinations or additional significant resources to be identified and considered/protected.

Commented [A22]: Text revised to apply to archaeological sites of all time periods which better reflects resources identified within the Analysis Area.

Commented [A23]: Text removed so that condition is generally applicable to all ground disturbance and less specific to roads.

CON-PS-01	During construction, the certificate holder shall include the following additional measures in the construction waste management plan required by Waste Minimization Condition 2: a. Recycling steel and other metal scrap. b. Recycling wood waste. c. Recycling packaging wastes such as paper and cardboard. d. Collecting non-recyclable waste for transport to a local landfill by a licensed waste hauler or by using facility equipment and personnel to haul the waste. Waste hauling by facility personnel within Morrow County shall be performed in compliance with the Morrow County Solid Waste Management Ordinance, which requires that all loads be covered and secured. e. Segregating all hazardous and universal wastes such as used oil, oily rags and oil-absorbent materials, mercury-containing lights and lead-acid and nickel-cadmium batteries for disposal by a licensed firm specializing in the proper recycling or disposal of hazardous and universal wastes.

	f. Discharging concrete truck rinse-out within foundation holes, completing truck wash-down off-site, and burying other concrete waste as fill on-site whenever possible. [Final Order on ASC (2017), Public Services Condition 3]
CON-PS-02	During construction of the facility, the certificate holder shall provide for 24-hour on-site security, and shall establish effective communications between on-site security personnel and the Morrow County Sheriff's Office and Umatilla County Sheriff's Office. [Final Order on ASC (2017), Public Services Condition 10]
CON-PS-03	During construction of the facility, the certificate holder shall ensure that turbine construction personnel are trained and equipped for fall protection, high angle, and confined space rescue. The certificate holder must retain records of the training and provide them to the department upon request. [Final Order on ASC (2017), Public Services Condition 14]
CON-PS-04	During construction, the certificate holder shall design turbines to be constructed on concrete pads with a minimum of 10 feet of nonflammable and non-erosive ground cover on all sides. The certificate holder shall cover turbine pad areas with nonflammable, non-erosive material immediately following exposure during construction and shall maintain the pad area covering during facility operation. [Final Order on ASC (2017), Public Services Condition 16]
CON-PS-05	During construction the certificate holder must maintain an area clear of vegetation for fire prevention around construction sites, including turbines and towers and any areas where work includes welding, cutting, grinding, or other flame- or spark-producing operations. [Final Order on ASC (2017), Public Services Condition 17]
STANDARD: WASTE MINIMIZATION (WM) [OAR 345-022-0120]	

CON-WM-01	During construction, the certificate holder shall require construction contractors to complete the following for any off-site disposal of excess soil during construction activities: a. Obtain and provide the certificate holder with a signed consent agreement between contractor and the party receiving the earth materials authorizing the acceptance and disposal of the excess soil; and, b. Confirm that all disposal sites have been inspected and approved by the certificate holder's environmental personnel to ensure that sensitive environmental resources, such as wetlands or high quality habitats, would not be impacted. The certificate holder shall maintain copies of all signed consent agreements and disposal site inspection and approvals onsite and shall provide to the department in the 6-month construction report required pursuant to OAR 345-026-0080(1)(a). [Final Order on ASC (2017), Waste Minimization Condition 1]
STANDARD: PUBLIC HEALTH AND SAFETY FOR WIND FACILITIES (WF) [OAR 345-024-0010]	
CON-WF-01	During construction, the certificate holder shall install pad-mounted step-up transformers at the base of each tower in steel boxes designed to protect the public from electrical hazards. [Final Order on ASC (2017), Public Health and Safety Standards for Wind Facilities Condition 1]
CON-WF-02	Prior to and during operations the certificate holder shall: a. Install and maintain self-monitoring devices on each turbine, linked to sensors at the operations and maintenance building, connected to a fault annunciation panel or supervisory control and data acquisition (SCADA) system to alert operators to potentially dangerous conditions. b. The certificate holder shall maintain automatic equipment protection features in each turbine that would shut down the turbine and reduce the chance of a mechanical problem causing a fire. The certificate holder shall immediately remedy any dangerous conditions. c. Submit to the Department materials or other documentation demonstrating the facility's operational safety-monitoring program and cause analysis program, for review and approval. The program shall, at a minimum, include requirements for regular turbine blade and turbine tower component inspections and maintenance, based on wind turbine manufacturer recommended frequency. d. The certificate holder shall document inspection and maintenance activities including but not limited to date, turbine number, inspection type (regular or other), turbine tower and blade condition, maintenance requirements (i.e. equipment used, component repair or replacement description, impacted area location and size), and wind turbine operating status. This information shall be submitted to the Department pursuant to OAR 345-026-0080 in the facility's annual compliance report. e. In the event of blade or tower failure, the certificate holder shall report the incident to the Department within 72 hours, in accordance with OAR 345-026-0170(1), and shall, within 90-days of blade or tower failure event, submit a cause analysis to the Department for its compliance evaluation. [Final Order on ASC (2017), Public Health and Safety Standards for Wind Facilities Condition 4; AMD3 (2018)]
STANDARD: SITING STANDARDS FOR TRANSMISSION LINES (TL) [OAR 345-024-0090]	

CON-TL-01	During construction, the certificate holder shall take reasonable steps to reduce or manage human exposure to electromagnetic fields and submit verification to the Department, including: a. Constructing all aboveground collector and transmission lines at least 200 feet from any residence or other occupied structure, measured from the centerline of the transmission line. b. Constructing all aboveground 34.5-kV transmission lines with a minimum clearance of 25 feet from the ground. c. Constructing all aboveground 230-kV transmission lines with a minimum clearance of 30 feet from the ground. d. Developing and implementing a program that provides reasonable assurance that all fences, gates, cattle guards, trailers, irrigation systems, or other objects or structures of a permanent nature that could become inadvertently charged with electricity are grounded or bonded throughout the life of the line (OAR 345-025-0010(4)). e. Providing to landowners a map of underground, with any applicable NESC demarking for underground facilities, and overhead transmission lines on their property and advising landowners of possible health and safety risks from induced currents caused by electric and magnetic fields. f. Designing and maintaining all transmission lines so that alternating current electric fields do not exceed 9 kV per meter at one meter above the ground surface in areas accessible to the public. g. Increasing the intraconnection transmission line height, shielding the electric field, or installing access barriers, if needed, to prevent induced current and nuisance shock of mobile vehicles. h. Designing and maintaining all transmission lines so that induced voltages during operation are as low as reasonably achievable. i. Designing, constructing and operating the transmission line in accordance with the requirements of the version of the National Electrical Safety Code that is most current at the time that final engineering of each of these components is completed (OAR 345-025-0010(4)). j. Implement a safety protocol to ensure adherence to NESC grounding requirements [Final Order on ASC (2017), Siting Standard Condition 1; AMD4 (2019)]
STANDARD: NOISE CONTROL REGULATION (NC) [OAR 345-035-0035]	

CON-NC-01	During construction, to reduce construction noise impacts at nearby residences, the certificate holder shall: a. Establish and enforce construction site and access road speed limits; b. Utilize electrically-powered equipment instead of pneumatic or internal combustion powered equipment, where feasible; c. Locate material stockpiles and mobile equipment staging, parking, and maintenance areas as far as practicable away from noise sensitive properties; d. Utilize noise-producing signals, including horns, whistles, alarms, and bells for safety warning purposes only; e. Equip all noise-producing construction equipment and vehicles using internal combustion engines with mufflers, air-inlet silencers where appropriate, and any other shrouds, shields, or other noise-reducing features in good operating condition that meet or exceed original factory specification. Mobile or fixed "package" equipment (e.g., arc-welders, air compressors) shall be equipped with shrouds and noise control features that are readily available for that type of equipment; and, f. Establish a noise complaint response system. All construction noise complaints will be logged within 48 hours of issuance. The construction supervisor shall have the responsibility and authority to receive and resolve noise complaints. A clear appeal process to the owner shall be established prior to the start of construction that will allow for resolution of noise problems that cannot be resolved by the site supervisor in a reasonable period of time. Records of noise complaints during construction must be made available to authorized representatives of the department upon request. [Final Order on ASC (2017), Noise Control Condition 1]

4.5 Pre-Operational (PRO) Conditions

Condition Number	Pre-Operational (PRO) Conditions
STANDARD: SOIL PROTECTION (SP) [OAR 345-022-0022]	

PRO-SP-01	Prior to beginning facility operation, the certificate holder shall provide the Department a copy of an operational SPCC plan, if required per DEQ's Hazardous Waste Program. If an SPCC plan is not required, the certificate holder shall prepare and submit to the Department for review and approval an operational Spill Prevention and Management plan. The Spill Prevention and Management Plan shall include at a minimum the following procedures and BMPs:
	• Procedures for oil and hazardous material emergency response consistent with OAR 340, Division 100-122 and 142
	• Procedures demonstrating compliance with all applicable local, state, and federal environmental laws and regulations for handling hazardous materials used onsite in a manner that protects public health, safety, and the environment
	• Current inventory (type and quantity) of all hazardous materials stored onsite, specifying the amounts at the shared/existing ~~each~~ O&M building, substations and battery storage system components
	• Restriction limiting onsite storage of diesel fuel or gasoline
	• Requirement to store lubricating and dielectric oils in quantities equal to or greater than 55-gallons in qualified oil-filled equipment
	• Preventative measures and procedures to avoid spills
	  ○ Procedures for chemical storage
	  ○ Procedures for chemical transfer
	  ○ Procedures for chemical transportation
	  ○ Procedures for fueling and maintenance of equipment and vehicles
	  ○ Employee training and education
	• Clean-up and response procedures, in case of an accidental spill or release
	• Proper storage procedures
	• Reporting procedures in case of an accidental spill or release
	[Final Order on ASC (2017), Soil Protection Condition 5; AMD2 (2017)]

STANDARD: PUBLIC SERVICES (PS) [OAR 345-022-0110]	
PRO-PS-01	Prior to operation of the facility, the certificate holder shall ensure that operations personnel are trained and equipped for fall protection and tower rescue, including high angle and confined space rescue. Refresher training in high angle and confined space rescue must be provided to operations personnel on an annual basis throughout the operational life of the facility. The certificate holder must retain records of the training and provide them to the department upon request. [Final Order on ASC (2017), Public Services Condition 15]
PRO-PS-02	Before beginning operation of the facility, the certificate holder must provide a final site plan to the identified fire protection districts and first-responders included in the Emergency Management Plan. The certificate holder must indicate on the site plan the identification number assigned to each turbine and the actual location of all facility structures. The certificate

Commented [A24]: Added clarification of usage of the existing O&M building. See Division 27 document

	holder shall provide an updated site plan if additional turbines or other structures are later added to the facility. [Final Order on ASC (2017), Public Services Condition 19]
PRO-PS-03	Prior to operation, the certificate holder must ensure that operations personnel remain current in their first aid/CPR/AED certifications throughout the operational life of the facility. The certificate holder must retain records of the certifications and provide them to the department upon request. The certificate holder shall also ensure that an AED is available onsite at all times that operations and maintenance personnel are at the facility. [Final Order on ASC (2017), Public Services Condition 22]

4.6 Operational (OPR) Conditions

Condition Number	Operational (OPR) Conditions
STANDARD: GENERAL STANDARD OF REVIEW (GS) [OAR 345-022-0000]	
OPR-GS-01	The certificate holder shall submit a legal description of the site to the Oregon Department of Energy within 90 days after beginning operation of the facility. The legal description required by this rule means a description of metes and bounds or a description of the site by reference to a map and geographic data that clearly and specifically identify the outer boundaries that contain all parts of the facility. [Final Order on ASC (2017), Mandatory Condition 1] [OAR 345-025-0006(2)]]
STANDARD: SOIL PROTECTION (SP) [OAR 345-022-0022]	
OPR-SP-01	During facility operation, the certificate holder shall: a. Routinely inspect and maintain all facility components including roads, pads, and other facility components and, as necessary, maintain or repair erosion and sediment control measures and reduce potential facility contribution to erosion. b. Restrict vehicles to constructed access roads, and ensure material laydown or other maintenance activities occur within graveled areas or within the maintenance area of the O&M building~~s~~ to avoid unnecessary compaction, erosion, or spill risk to the area surrounding the facility. c. If in order to serve the operational needs of the energy facility, or related and supporting facilities, the certificate holder intends to substantially modify an existing road or construct a new road, the certificate holder must submit and receive Council approval of an amendment to the site certificate prior to the modification or construction. [Final Order on ASC (2017), Soil Protection Condition 6]
STANDARD: LAND USE (LU) [OAR 345-022-0030]	
OPR-LU-01	Within one month of commencement of commercial operation, the certificate holder shall submit an as-built survey for each construction phase that demonstrates compliance with the setback requirements in Land Use Condition 1 to the department and Morrow County. [Final Order on ASC (2017), Land Use Condition 2]
OPR-LU-02	During operation of the facility, the certificate holder shall restore areas that are temporarily disturbed during facility maintenance or repair activities using the same methods and monitoring procedures described in the final Revegetation Plan referenced in Fish and Wildlife Habitat Condition 11. [Final Order on ASC (2017), Land Use Condition 10]
OPR-LU-03	Before beginning decommissioning activities, the certificate holder must provide a copy of the final retirement plan to Morrow County and Umatilla County. [Final Order on ASC (2017), Land Use Condition 23]
OPR-LU-04	Before beginning electrical production, the certificate holder shall prepare an Operating and Facility Maintenance Plan (Plan) and submit the Plan to the department for approval in consultation with Umatilla and Morrow Counties. [Final Order on ASC (2017), Land Use Condition 25]

OPR-LU-05	Within 90 days of the commencement of electrical service from Wheatridge East, the certificate holder shall provide a summary of as-built changes to the department and Umatilla County. [Final Order on ASC (2017), Land Use Condition 26]
OPR-LU-06	Prior to facility retirement, the certificate holder must include the following minimum restoration activities in the proposed final retirement plan it submits to the Council pursuant to OAR 345-025-0006(9) or its equivalent: 1. Dismantle turbines, towers, pad mounted transformers, meteorological towers and related aboveground equipment, and remove concrete pads to a depth of at least three feet below the surface grade. 2. Remove underground collection and communication cables that are buried less than three feet in depth and are deemed by Council to be a hazard or a source of interference with surface resource uses. 3. Remove gravel from areas surrounding turbine pads. 4. Remove and restore private access roads unless the landowners directs otherwise. 5. Following removal of facility components, grade disturbed areas as close as reasonably possible to the original contours and restore soils to a condition compatible with farm uses or other resources uses. 6. Revegetate disturbed areas in consultation with the land owner and in a manner consistent with the final Revegetation Plan referenced in Fish and Wildlife Habitat Condition 11. 7. If the landowner wishes to retain certain facilities, provide a letter from the land owner that identifies the roads, cleared pads, fences, gates and other improvements to be retained and a commitment from the land owner to maintain the identified facilities for farm or other purposes permitted under the applicable zone. [Final Order on ASC (2017), Land Use Condition 27]
STANDARD: RETIREMENT AND FINANCIAL ASSURANCE (RT) [OAR 345-022-0050]	
OPR-RF-01	During facility operation, the certificate holder shall: (a) Conduct monthly inspections of the battery storage systems, in accordance with manufacturer specifications. The certificate holder shall maintain documentation of inspections, including any corrective actions, and shall submit copies of inspection documentation in its annual report to the Department. (b) Provide evidence in its annual report to the Department of active property coverage under its commercial business insurance from high loss-catastrophic events, including but not limited to, onsite fire or explosion. [Final Order on AMD2 (2018), Retirement and Financial Assurance Condition 6]
STANDARD: PUBLIC SERVICES (PS) [OAR 345-022-0110]	
OPR-PS-01	During operation of the facility, the certificate holder shall discharge sanitary wastewater generated at the shared/existing O&M buildings~~s~~ to a licensed on-site septic systems~~s~~ in compliance with State permit requirements. The certificate holder ~~shall~~ designed each septic system for a discharge capacity of less than 2,500 gallons per day. [Final Order on ASC (2017), Public Services Condition 1]
OPR-PS-02	Except as provided in this condition, during facility operation, the certificate holder shall continue to obtain water for on-site uses from an on-site well~~s~~ located near the shared/existing O&M building~~s~~. The certificate holder ~~shall~~ constructed the on-site well~~s~~ subject to compliance with the provisions of ORS 537.765 relating to keeping a well log. The certificate holder shall not use more than 5,000 gallons of water per day from ~~each of the two~~the on-site well~~s~~. The certificate holder may obtain water from other sources for on-site uses subject to prior approval by the Department. [Final Order on ASC (2017), Public Services Condition 2]

Commented [A25]: Added clarification of usage of the existing O&M building. See Division 27 document

Commented [A26]: Added clarification of usage of the existing O&M building. See Division 27 document

OPR-PS-03	(a) Prior to operation, the certificate holder shall submit to the Department for approval its Operational Waste Management Plan that includes but is not limited to the following: 1. Onsite handling procedure for operational replacement of damaged, defective or recalled lithium-ion batteries. The procedure shall identify applicable 49 CFR 173.185 provisions and address, at a minimum, onsite handling, packaging, interim storage, and segregation requirements. 2. Training employees to handle, replace, and store damaged, defective or recalled lithium-ion batteries; minimize and recycle solid waste. 3. Recycling paper products, metals, glass, and plastics. 4. Recycling used oil and hydraulic fluid. 5. Collecting non-recyclable waste for transport to a local landfill by a licensed waste hauler or by using facility equipment and personnel to haul the waste. Waste hauling by facility personnel within Morrow County shall be performed in compliance with the Morrow County Solid Waste Management Ordinance, Section 5.000 Public Responsibilities, 5.010 Transportation of Solid Waste and 5.030 Responsibility for Propose Disposal of Hazardous Waste which requires that all loads be covered and secured and that operators be responsible for hazardous waste disposal in accordance with applicable regulatory requirements. 6. Segregating all hazardous and universal, non-recyclable wastes such as used oil, oily rags and oil-absorbent materials, mercury-containing lights, lithium-ion batteries, lead-acid and nickel-cadmium batteries, and replaced, damaged, defective or recalled lithium-ion batteries for disposal by a licensed firm specializing in the proper recycling or disposal of hazardous and universal wastes. (b) During operation, the certificate holder shall implement the approved Operational Waste Management Plan. [Final Order on ASC (2017), Public Services Condition 4; AMD2 (2018)]
OPR-PS-04	During operation, the certificate holder shall ensure that appropriate law enforcement agency personnel have an up-to-date list of the names and telephone numbers of facility personnel available to respond on a 24-hour basis in case of an emergency at the facility site. [Final Order on ASC (2017), Public Services Condition 12]
STANDARD: PUBLIC HEALTH AND SAFETY FOR WIND FACILITIES (WF) [OAR 345-024-0010]	
OPR-WF-01	During operation, the certificate holder shall ensure each facility substation and battery storage systems are enclosed with appropriate fencing and locked gates to protect the public from electrical hazards. [Final Order on ASC (2017), Public Health and Safety Standards for Wind Facilities Condition 2; AMD2 (2018)]
STANDARD: SITING STANDARDS FOR TRANSMISSION LINES (TL) [OAR 345-024-0090]	
OPR-TL-01	During operation, the certificate holder shall: (1) Update the OPUC Safety Staff as to how the operator will comply with OAR Chapter 860, Division 024 on an ongoing basis considering future operations, maintenance, emergency response, and alterations until facility retirement. (2) File the following required information with the Commission: a. 758.013 Operator of electric power line to provide Public Utility Commission with safety information; availability of information to public utilities. (1) Each person who is subject to the Public Utility Commission's authority under ORS 757.035 and who engages in the operation of an electric power line as described in ORS

	757.035 must provide the commission with the following information before January 2 of each even-numbered year: i. The name and contact information of the person that is responsible for the operation and maintenance of the electric power line, and for ensuring that the electric power line is safe, on an ongoing basis; and ii. The name and contact information of the person who is responsible for responding to conditions that present an imminent threat to the safety of employees, customers and the public. iii. In the event that the contact information described in subsection (1) of this section changes or that ownership of the electric power line changes, the person who engages in the operation of the electric power line must notify the commission of the change as soon as practicable, but no later than within 90 days. iv. If the person described in subsection (1) of this section is not the public utility, as defined in ORS 757.005, in whose service territory the electric power line is located, the commission shall make the information provided to the commission under subsection (1) of this section available to the public utility in whose service territory the electric power line is located. [2013 c.235 §3] (3) Provide OPUC Safety Staff with: a. Maps and Drawings of routes and installation of electrical supply lines showing: • Transmission lines and structures (over 50,000 Volts) • Distribution lines and structures - differentiating underground and overhead lines (over 600 Volts to 50,000 Volts) • Substations, roads and highways • Plan and profile drawings of the transmission lines (and name and contact information of responsible professional engineer). [Final Order on ASC (2017), Siting Standard Condition 3]
STANDARD: NOISE CONTROL REGULATION (NC) [OAR 345-035-0035]	
OPR-NC-01	During operation of the facility, if required to meet the maximum allowable decibel threshold of 50 dBA, the certificate holder shall only operate the facility ~~in the NRO mode~~ inclusive of noise mitigation that is identified prior to construction pursuant to Noise Control Condition 2. After beginning operation of the facility, the certificate holder shall include ~~a certification~~ documentation in its annual Compliance Report confirming that the noise mitigation measures ~~that the NRO mode turbines~~ identified in the preconstruction analysis required by Noise Control Condition 2 are in place ~~operating~~ and turbines (or other equipment) are operating at or below the identified dBA reduction level. [Final Order on ASC (2017), Noise Control Condition 3]
OPR-NC-02	During operation, the certificate holder shall maintain a complaint response system to address noise complaints. The certificate holder shall notify the department within two working days of receiving a noise complaint related to the facility. The notification should include, but is not limited to, the date the certificate holder received the complaint, the nature of the complaint, the complainant's contact information, the location of the affected property, and any actions taken, or planned to be taken, by the certificate holder to address the complaint. [Final Order on ASC (2017), Noise Control Condition 4]

Commented [A27]: Changes applied to account for various noise mitigation options such as NRO (noise reduction operation) mode and low noise trailing edge (LNTE).

OPR-NC-03	During operation, in response to a complaint from the owner of a noise sensitive property regarding noise levels from the facility, the Council may require the certificate holder to monitor and record the statistical noise levels to verify that the certificate holder is operating in compliance with the noise control regulations. The monitoring plan must be reviewed and

	approved by the department prior to implementation. The cost of such monitoring, if required, shall be borne by the certificate holder. [Final Order on ASC (2017), Noise Control Condition 5]

4.7 Retirement Conditions (RET)

Condition Number	Retirement (RET) Conditions
STANDARD: RETIREMENT AND FINANCIAL ASSURANCE (RT) [OAR 345-022-0050]	
RET-RF-01	The certificate holder must retire the facility in accordance with a retirement plan approved by the Council if the certificate holder permanently ceases construction or operation of the facility. The retirement plan must describe the activities necessary to restore the site to a useful, nonhazardous condition, as described in OAR 345-025-0006(9). After Council approval of the plan, the certificate holder must obtain the necessary authorization from the appropriate regulatory agencies to proceed with restoration of the site. [Final Order on ASC (2017), Retirement and Financial Assurance Condition 2] [Mandatory Condition OAR 345-025-0006(9)]
RET-RF-02	If the Council finds that the certificate holder has permanently ceased construction or operation of the facility without retiring the facility according to a final retirement plan approved by the Council, as described in OAR 345-025-0006(9), the Council must notify the certificate holder and request that the certificate holder submit a proposed final retirement plan to the department within a reasonable time not to exceed 90 days. If the certificate holder does not submit a proposed final retirement plan by the specified date, the Council may direct the department to prepare a proposed final retirement plan for the Council's approval. Upon the Council's approval of the final retirement plan, the Council may draw on the bond or letter of credit described in section (8) to restore the site to a useful, nonhazardous condition according to the final retirement plan, in addition to any penalties the Council may impose under OAR Chapter 345, Division 29. If the amount of the bond or letter of credit is insufficient to pay the actual cost of retirement, the certificate holder must pay any additional cost necessary to restore the site to a useful, nonhazardous condition. After completion of site restoration, the Council must issue an order to terminate the site certificate if the Council finds that the facility has been retired according to the approved final retirement plan. [Final Order on ASC (2017), Retirement and Financial Assurance Condition 3] [Mandatory Condition OAR 345-025-0006(16)]

5.0 Successors and Assigns

To transfer this site certificate or any portion thereof or to assign or dispose of it in any other manner, directly or indirectly, the certificate holder shall comply with OAR 345-027-0400.

6.0 Severability and Construction

If any provision of this agreement and certificate is declared by a court to be illegal or in conflict with any law, the validity of the remaining terms and conditions shall not be affected, and the rights and obligations of the parties shall be construed and enforced as if the agreement and certificate did not contain the particular provision held to be invalid.

7.0 Execution

This site certificate may be executed in counterparts and will become effective upon signature by the Chair of the Energy Facility Siting Council and the authorized representative of the certificate holder.

IN WITNESS THEREOF, this site certificate has been executed by the State of Oregon, acting by and through the Energy Facility Siting Council and Wheatridge East, LLC (certificate holder), a wholly-owned indirect subsidiary of NextEra Energy Resources, LLC (certificate holder/certificate holder owner).

ENERGY FACILITY SITING COUNCIL

Hanley Jenkins, II

By: Hanley Jenkins, II (Dec 2, 2020 12:45 PST)

Hanley Jenkins, II, Chair

Oregon Energy Facility Siting Council

Date: Dec 2, 2020

WHEATRIDGE EAST WIND, LLC

By: _____

Matthew Handel, Vice President Development, NextEra Energy Resources, LLC on behalf of Wheatridge East Wind, LLC.

Date: 12/10/2020

Attachment A
WREFE Site Boundary Map

Wheatridge Renewable Energy Facility II

Figure 4
Wheatridge Renewable Energy Facility East Proposed Site Boundary

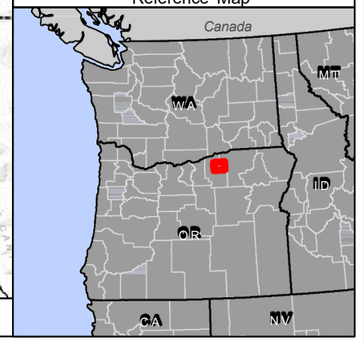
MORROW AND UMATILLA COUNTIES, OR

- Wheatridge Renewable Energy Facility East Site Boundary
- Overlapping Site Boundary (WREFIII)
- Overlapping Site Boundary (WREFE)
- Local Road
- State Highway
- County Boundary

TETRA TECH

NEXTera ENERGY RESOURCES

Reference Map



1:95,000 WGS 1984 UTM Zone 11N

0 0.5 1 2 3 4 Miles

P:\GIS_PROJECTS\NextEra\Wheatridge\MXDs\WREFII_RFA1\NextEra_WREFII_RFA1_Figure4_WREF_East_Proposed_11i17i_20200622.mxd

Attachment 2. Division 21 Exhibits (see tabbed documents)

This page intentionally left blank

Attachment 3. Property Owner List

This page intentionally left blank

Morrow County Tax Lot Data

Map Tax Lot	First Name	Last Name	Name 2	Company/Organization	C/O Attn.	Address	City	State	Zip Code
01N25E000000100				KILKENNY LAND COMPANY, LLC	HALE, KELLY	1124 SW MYRTLE DR	PORTLAND	OR	97201
01N25E000001401	RANDY WILLIAM	HUGHES				67554 JUNIPER CANYON RD	LEXINGTON	OR	97839
01N25E000001500				KILKENNY LAND COMPANY, LLC	HALE, KELLY	1124 SW MYRTLE DR	PORTLAND	OR	97201
01N25E000001600				NORTH LEX POWER AND LAND, LLC		72967 STRAWBERRY LN	LEXINGTON	OR	97839
01N25E000001700				NORTH LEX POWER AND LAND, LLC		72967 STRAWBERRY LN	LEXINGTON	OR	97839
01N25E000001800	RANDY WILLIAM	HUGHES				67554 JUNIPER CANYON RD	LEXINGTON	OR	97839
01N25E000001900				NORTH LEX POWER AND LAND, LLC		72967 STRAWBERRY LN	LEXINGTON	OR	97839
01N25E000002900				SANDHOLLOW LAND, LLC		PO BOX 307	LEXINGTON	OR	97839
01N25E000003000	GABRIEL E	MARTIN				1912 RHODODENDRON WAY	BELLINGHAM	WA	98229
01N25E000003100				NORTH LEX POWER AND LAND, LLC		72967 STRAWBERRY LN	LEXINGTON	OR	97839
01N25E000003200				MUNKERS, SHEILA H ETAL		PO BOX 34	COTTONWOOD	ID	83522
01N25E000003202				MARTIN, THOMAS, 28% &	MARTIN, THOMAS & SHIRLEY, 72%	68700 HWY 207	LEXINGTON	OR	97839
01N26E000001100				NORTH LEX POWER AND LAND, LLC		72967 STRAWBERRY LN	LEXINGTON	OR	97839
01N26E000001102				NORTH LEX POWER AND LAND, LLC		72967 STRAWBERRY LN	LEXINGTON	OR	97839
01N26E000001200				NORTH LEX POWER AND LAND, LLC		72967 STRAWBERRY LN	LEXINGTON	OR	97839
01N26E000002700				NORTH LEX POWER AND LAND, LLC		72967 STRAWBERRY LN	LEXINGTON	OR	97839
01N26E000002801	AARON D	HEIDEMAN				33999 RIVER VIEW DR	HERMISTON	OR	97838
01N26E000002806	AARON D	HEIDEMAN				33999 RIVER VIEW DR	HERMISTON	OR	97838
01N26E000002900				LONEROCK LAND AND TIMBER, LLC		26675 ICE HARBOR DR	BURBANK	WA	99323
01N26E000003100				LONEROCK LAND AND TIMBER, LLC		26675 ICE HARBOR DR	BURBANK	WA	99323
01N26E000003200				NORTH LEX POWER AND LAND, LLC		72967 STRAWBERRY LN	LEXINGTON	OR	97839
01N26E000003201				RAUCH, CHRISTIAN & RAUCH, KATHERINE A		72967 STRAWBERRY LN	LEXINGTON	OR	97839
01N26E000003202				WHEATRIDGE WIND LAND HOLDINGS, LLC	MAP RENEWABLE ENERGY EOLIAN LP	988 HOWARD AVE STE 200	BURLINGAME	CA	94010
01N26E000003300				NORTH LEX POWER AND LAND, LLC		72967 STRAWBERRY LN	LEXINGTON	OR	97839
01N26E000003301				HILL, STEPHEN TRUSTEE ET AL		73114 STRAWBERRY LN	LEXINGTON	OR	97839
01N26E000003400				NORTH LEX POWER AND LAND, LLC		72967 STRAWBERRY LN	LEXINGTON	OR	97839
01N26E000003500				RJK FAMILY, LLC	HALE, KELLY	1124 SW MYRTLE DR	PORTLAND	OR	97201
01N26E000003501				RJK FAMILY, LLC	HALE, KELLY	1124 SW MYRTLE DR	PORTLAND	OR	97201
01N26E000003502				RJK FAMILY, LLC	HALE, KELLY	1124 SW MYRTLE DR	PORTLAND	OR	97201
01N26E000003600				NORTH LEX POWER AND LAND, LLC		72967 STRAWBERRY LN	LEXINGTON	OR	97839
01N26E000003700				STATE OF OREGON		417 TRANSPORTATION BLDG	SALEM	OR	97310
01N26E000004100				MARTIN, BRENT J & MARTIN, JILL E		71620 BASELINE LN	LEXINGTON	OR	97839
01N26E000004102				4-M RANCH, INC		68700 HWY 207-ECHO	LEXINGTON	OR	97839
01N26E000004200				TURNER RANCH, INC		75655 BASELINE RD	HEPPNER	OR	97836
01N26E000004201	TODD R	LINDSAY	MELISSA J			75655 BASELINE RD	HEPPNER	OR	97836

Map Tax Lot	First Name	Last Name	Name 2	Company/Organization	C/O Attn.	Address	City	State	Zip Code
01N26E000004300				HAGUEWOOD, KEVEN & BUTLER, MICHELLE		64396 MACNAB LN	IONE	OR	97843
01N26E000004400				OREM, ERIC M & OREM, BRANDI L		72028 BLACKHORSE CYN LN	HEPPNER	OR	97836
01N26E000004500				DUNCAN, SUEZANNE & DUNCAN, ROBERT		1547 ALPENSEE STRASSE	LEAVENWORTH	WA	98826
01N26E000004503				SEITZ, ANTHONY WAYNE & LORI M		73897 BASELINE RD	HEPPNER	OR	97836
01N26E000004600				MARTIN, BRENT J & MARTIN, JILL E		71620 BASELINE LN	LEXINGTON	OR	97839
01N26E000004700				MILLER, COREY M & MILLER, M JILL		74655 BASELINE LN	HEPPNER	OR	97836
01N26E000004800				MILLER, MARK T & MILLER, SHANNON E		67775 CUTSFORTH RD	HEPPNER	OR	97836
01N26E000004900				FRITZ CUTSFORTH LAND CO		75655 BASELINE LN	HEPPNER	OR	97836
01N27E000000103				VANBUREN FAMILY PROPERTY TRUST		32922 KAHLOTUS HWY	PASCO	WA	99301
01N27E000000104				VANBUREN FAMILY PROPERTY TRUST		32922 KAHLOTUS HWY	PASCO	WA	99301
01N27E000000108	MITCHELL C	ASHBECK	TERRYL ANN			69359 LITTLE BUTTER CREEK RD	ECHO	OR	97826
01N27E000000700	NANCY	MYERS				68477 LITTLE BUTTER CREEK RD	HEPPNER	OR	97836
01N27E000000701	NANCY J	MYERS				72446 HIGHWAY 207	ECHO	OR	97826
01N27E000001000				HAYS, MITCHELL I TRUSTEE ETAL		77964 BIG BUTTER CREEK LN	ECHO	OR	97826
01N27E000001100				SANDHOLLOW RANCH LLC		PO BOX 1587	HERMISTON	OR	97838
01N27E000001200				SANDHOLLOW RANCH LLC		PO BOX 1587	HERMISTON	OR	97838
01N27E000001300				KNOWLES, BRIAN & KNOWLES, MARY		67207 LITTLE BUTTERCREEK RD	HEPPNER	OR	97836
01N27E000001400				ARCUS, LLC		ONE 100TH AVE NE STE. 102	BELLEVUE	WA	98004
01N27E000001401				BUTTER CREEK COELHO LLC		78550 BIG BUTTER CREEK RD	ECHO	OR	97826
01N27E000001403				ARCUS, LLC		ONE 100TH AVE NE STE. 102	BELLEVUE	WA	98004
01N27E000001600	MARILYN	SCHILLER				69958 SCHILLER DR	ECHO	OR	97826
01N27E000001700				BOTHUM, CHARLY ALECIA & BOTHUM, RYAN T		66743 LITTLE BUTTER CREEK RD	HEPPNER	OR	97836
01N27E000001701				LAZY K LAND, LLC	CURRIN, STEVE	60732 LITTLE BUTTER CREEK RD	HEPPNER	OR	97836
01N27E000001900				KNOWLES, MARY & KNOWLES, BRIAN		67207 LITTLE BUTTER CREEK RD	HEPPNER	OR	97836
01N27E000001901				KNOWLES, MARY LYNN & KNOWLES, BRIAN D		67207 LITTLE BUTTER CREEK RD	HEPPNER	OR	97836
01N27E000001902				KNOWLES, BRIAN D & KNOWLES, MARY HEALY		67207 LITTLE BUTTER CREEK RD	HEPPNER	OR	97836
01N27E000002100				DALY RANCH, LLC	TIM DALY	3413 NW FAIRWAY HEIGHTS DR	BEND	OR	97703
01N27E000002300	NANCY	MYERS				68477 LITTLE BUTTER CREEK RD	HEPPNER	OR	97836
01N27E000002400				FRITZ CUTSFORTH LAND CO		75655 BASELINE LN	HEPPNER	OR	97836
01N28E000000100				ECHO HILLS RANCH, GP	CAVALLETTO, DONALD O	PO BOX 4965	PASO ROBLES	CA	93447
01N28E000000101				ECHO HILLS RANCH, GP	CAVALLETTO, DONALD O	PO BOX 4965	PASO ROBLES	CA	93447
01N28E000000102				ECHO HILLS RANCH, GP		PO BOX 4965	PASO ROBLES	CA	93446
01N28E000000200				PINE CANYON RANCH, GP	CAVALLETTO, DONALD O	PO BOX 4965	PASO ROBLES	CA	93447
01N28E000000201	MARILYN	SCHILLER				69958 SCHILLER DR	ECHO	OR	97826
01N28E000000300	MARILYN	SCHILLER				69958 SCHILLER DR	ECHO	OR	97826
01N28E000000301				SCHILLER, MARILYN, TRUSTEE		69958 SCHILLER DR	ECHO	OR	97826

Map Tax Lot	First Name	Last Name	Name 2	Company/Organization	C/O Attn.	Address	City	State	Zip Code
01N28E000000302	MARILYN	SCHILLER				69958 SCHILLER DR	ECHO	OR	97826
01N28E000000303	MARILYN	SCHILLER				69958 SCHILLER DR	ECHO	OR	97826
01N28E000000304	MARILYN	SCHILLER				69958 SCHILLER DR	ECHO	OR	97826
01N28E000000305				PINE CANYON RANCH, GP	CAVALLETTO, DONALD O	PO BOX 4965	PASO ROBLES	CA	93447
01N28E000000400	JOHN H	LUCIANI				27633 BUTTERCREEK RD	ECHO	OR	97826
01N28E000000600	MARILYN	SCHILLER				69958 SCHILLER DR	ECHO	OR	97826
01N28E000000700				BIRCH CREEK LAND LLC	CURRIN, LISANNE K	60732 LITTLE BUTTERCREEK RD	HEPPNER	OR	97836
01N28E000000701				VEY, RITA heirs	CURRIN, STEPHEN J & LISANNE K	60732 LITTLE BUTTERCREEK RD	HEPPNER	OR	97836
01N28E000000800	MARILYN	SCHILLER				69958 SCHILLER DR	ECHO	OR	97826
01N28E000000801				PINE CANYON RANCH, GP	CAVALLETTO, DONALD O	PO BOX 4965	PASO ROBLES	CA	93447
01N28E000000900	MARILYN	SCHILLER				69958 SCHILLER DR	ECHO	OR	97826
01N28E000001000				LAZY K LAND, LLC	CURRIN, STEVE	60732 LITTLE BUTTER CREEK RD	HEPPNER	OR	97836
01S26E000000100				FRITZ CUTSFORTH LAND CO		75655 BASELINE LN	HEPPNER	OR	97836
01S26E000000200				FRITZ CUTSFORTH LAND CO		75655 BASELINE LN	HEPPNER	OR	97836
01S26E000000300				HAGUEWOOD, KEVEN & BUTLER, MICHELLE		64396 MACNAB LN	IONE	OR	97843
01S26E000000400				MILLER, MARK T & MILLER, SHANNON E		67775 CUTSFORTH RD	HEPPNER	OR	97836
01S26E000000500				MILLER, MARK T & MILLER, SHANNON E		67775 CUTSFORTH RD	HEPPNER	OR	97836
01S26E000000600				MILLER, MARK T & MILLER, SHANNON E		67775 CUTSFORTH RD	HEPPNER	OR	97836
01S26E000000700				MILLER, MARK T & MILLER, SHANNON E		67775 CUTSFORTH RD	HEPPNER	OR	97836
01S26E000000800				MILLER, MARK T & MILLER, SHANNON E		67775 CUTSFORTH RD	HEPPNER	OR	97836
01S26E000001100				OREM, ERIC & OREM, BRANDI ETAL		72028 BLACKHORSE CANYON LN	HEPPNER	OR	97836
01S26E000001300				MILLER, MARK T & MILLER, SHANNON E		67775 CUTSFORTH RD	HEPPNER	OR	97836
01S26E000001400				CUTSFORTH, STANLEY ETAL		67509 CUTSFORTH RD	LEXINGTON	OR	97839
01S26E000001500				MILLER, MARK T & MILLER, SHANNON E		67775 CUTSFORTH RD	HEPPNER	OR	97836
01S26E000001600	VICKI M	WAGENBLAST				65936 DOLVEN RD	LEXINGTON	OR	97839
01S26E000001602	VICKI M	WAGENBLAST				65936 DOLVEN RD	LEXINGTON	OR	97839
01S26E000001702				MILLER, MARK T & MILLER, SHANNON E		67775 CUTSFORTH RD	HEPPNER	OR	97836
01S26E000001800	VICKI M	WAGENBLAST				65936 DOLVEN RD	LEXINGTON	OR	97839
01S26E000001801				TURNER RANCH, INC		75655 BASELINE RD	HEPPNER	OR	97836
01S26E000001802				FRITZ CUTSFORTH LAND CO		75655 BASELINE LN	HEPPNER	OR	97836
01S26E000002000				TURNER RANCH, INC		75655 BASELINE RD	HEPPNER	OR	97836
01S26E000002100	ELDEN LEE	PADBERG				18407 NE 21ST ST	REDMOND	WA	98052
01S26E000002200	BRYAN E	PADBERG				10607 CRESCENT VALLEY DR NW	GIG HARBOR	WA	98332
01S26E000002901				CUTSFORTH, STANLEY ETAL		67509 CUTSFORTH RD	LEXINGTON	OR	97839
01S26E000003000				TURNER RANCH, INC		75655 BASELINE RD	HEPPNER	OR	97836
01S26E000003100				TURNER RANCH, INC		75655 BASELINE RD	HEPPNER	OR	97836

Map Tax Lot	First Name	Last Name	Name 2	Company/Organization	C/O Attn.	Address	City	State	Zip Code
01S26E000003200				ROLLING RANCH LLC		8385 WHEATLAND RD N	SALEM	OR	97303
01S26E000003201				TURNER RANCH, INC		75655 BASELINE RD	HEPPNER	OR	97836
01S26E000003300	DOUGLAS A	DRAKE	CARLEY E			64598 SANDHOLLOW RD	HEPPNER	OR	97836
01S26E000003400	JAMES W	CUTSFORTH	DIANA M			425 VENTUS ST	RICHLAND	WA	99352
01S26E000003500				BELL RANCH PARTNERSHIP		74655 BASELINE LN	HEPPNER	OR	97836
01S26E000003900				BELL RANCH PARTNERSHIP		74655 BASELINE LN	HEPPNER	OR	97836
01S26E000004000	KEVEN O	HAGUEWOOD				64396 MCNAB LN	IONE	OR	97843
01S26E000004100	JAMES W	CUTSFORTH	DIANA M			425 VENTUS ST	RICHLAND	WA	99352
01S27E000000100				DALY RANCH, LLC	TIM DALY	3413 NW FAIRWAY HEIGHTS DR	BEND	OR	97703
01S27E000000200	JOHN F	FLYNN				55549 HWY 207 SPRAY	HEPPNER	OR	97836
01S27E000000300				DALY RANCH, LLC	TIM DALY	3413 NW FAIRWAY HEIGHTS DR	BEND	OR	97703
01S27E000000400				FRITZ CUTSFORTH LAND CO		75655 BASELINE LN	HEPPNER	OR	97836
01S27E000000401				FRITZ CUTSFORTH LAND CO		75655 BASELINE LN	HEPPNER	OR	97836
01S27E000000500				DOUGHERTY, PATRICIA, TR, 1/2 ETAL		66317 SPUR LOOP RD	HEPPNER	OR	97836
01S27E000000502				FRITZ CUTSFORTH LAND CO		75655 BASELINE LN	HEPPNER	OR	97836
01S27E000000503				DOUGHERTY, PATRICIA, TR ETAL		66317 SPUR LOOP RD	HEPPNER	OR	97836
01S27E000000505				DOUGHERTY, PATRICIA, TRUSTEE, 1/2 ETAL		66317 SPUR LOOP RD	HEPPNER	OR	97836
01S27E000000507				DOUGHERTY, PATRICIA, TR, 1/2 ETAL		66317 SPUR LOOP RD	HEPPNER	OR	97836
01S27E000000509				DOUGHERTY, PATRICIA, TR, 1/2 ETAL		66317 SPUR LOOP RD	HEPPNER	OR	97836
01S27E000000510				DOUGHERTY, CINDY, 1/4 ETAL		66317 SPUR LOOP RD	HEPPNER	OR	97836
01S27E000000512				DOUGHERTY, PATRICIA, 50% ETAL		66317 SPUR LOOP RD	HEPPNER	OR	97836
01S27E000000514				DOUGHERTY, PATRICIA, 50% ETAL		66317 SPUR LOOP RD	HEPPNER	OR	97836
01S27E000000515				DOUGHERTY, PATRICIA, TR, 1/2 ETAL		66317 SPUR LOOP RD	HEPPNER	OR	97836
01S27E000000516				DOUGHERTY, PATRICIA, TR, 1/2 ETAL		66317 SPUR LOOP RD	HEPPNER	OR	97836
01S27E000000600				TURNER RANCH, INC		75655 BASELINE RD	HEPPNER	OR	97836
01S27E000000700				EVANS, MONTE & EVANS, REBECCA		63468 SANDHOLLOW RD	HEPPNER	OR	97836
01S27E000000800				TURNER RANCH, INC		75655 BASELINE RD	HEPPNER	OR	97836
01S27E000000900				KNOWLES, MARY & KNOWLES, BRIAN		67207 LITTLE BUTTER CREEK RD	HEPPNER	OR	97836
01S27E000001000	JOHN F	FLYNN				55549 HWY 207 SPRAY	HEPPNER	OR	97836
01S27E000001100				KNOWLES, MARY & KNOWLES, BRIAN		67207 LITTLE BUTTER CREEK RD	HEPPNER	OR	97836
01S27E000001200				ROBINSON PROPERTY MANAGEMENT LLC		64583 SPUR LOOP RD	HEPPNER	OR	97836
01S27E000001300				DOUGHERTY, PATRICIA, TR, 1/2 ETAL	DOUGHERTY, PATRICIA	66317 SPUR LOOP RD	HEPPNER	OR	97836
01S27E000001400				ROLLING RANCH LLC		8385 WHEATLAND RD N	SALEM	OR	97303
01S27E000001401				TURNER RANCH, INC		75655 BASELINE RD	HEPPNER	OR	97836
01S27E000001402				DRAKE, DOUGLAS A & CARLEY ETAL		64598 SANDHOLLOW RD	HEPPNER	OR	97836
01S27E000001500	DOUGLAS A	DRAKE	CARLEY E			64598 SANDHOLLOW RD	HEPPNER	OR	97836

Map Tax Lot	First Name	Last Name	Name 2	Company/Organization	C/O Attn.	Address	City	State	Zip Code
01S27E000001501				ROLLING RANCH LLC		8385 WHEATLAND RD N	SALEM	OR	97303
01S27E000001600				KENNY, CHRISTINE M, TRUSTEE ETAL		PO BOX 1947	PENDLETON	OR	97801
01S28E000000100				BIRCH CREEK LAND, LLC	CURRIN, LISANNE	60732 LITTLE BUTTER CREEK RD	HEPPNER	OR	97836
01S28E000000200	MARILYN	SCHILLER				69958 SCHILLER SHL	ECHO	OR	97826
01S28E000000201	MARILYN	SCHILLER				69958 SCHILLER DR	ECHO	OR	97826
01S28E000000300	MARILYN	SCHILLER				69958 SCHILLER SHL	ECHO	OR	97826
01S28E000000301	MARILYN	SCHILLER				69958 SCHILLER DR	ECHO	OR	97826
01S28E000000400				BUTTER CREEK CATTLE COMPANY	CURRIN, STEPHEN J	60732 LITTLE BUTTER CREEK RD	HEPPNER	OR	97836
01S28E000000500				LAZY K LAND, LLC	CURRIN, STEVE	60732 LITTLE BUTTER CREEK RD	HEPPNER	OR	97836
01S28E000000600	JOHN F	FLYNN				55549 HWY 207 SPRAY	HEPPNER	OR	97836
01S28E000000700				DALY RANCH, LLC	TIM DALY	3413 NW FAIRWAY HEIGHTS DR	BEND	OR	97703
01S28E000001000				JMH RANCH, LLC		PO BOX 724	HEPPNER	OR	97836
01S28E000001001				KNOWLES, MARY LYNN & KNOWLES, BRIAN D		67207 LITTLE BUTTER CREEK RD	HEPPNER	OR	97836
01S28E000001002				KNOWLES, MARY LYNN & KNOWLES, BRIAN D		67207 LITTLE BUTTER CREEK RD	HEPPNER	OR	97836
01S28E000001100	JOHN F	FLYNN				55549 HWY 207 SPRAY	HEPPNER	OR	97836
01S28E000001200				JMH RANCH, LLC		PO BOX 724	HEPPNER	OR	97836
01S28E000001300	MARILYN	SCHILLER				69958 SCHILLER DR	ECHO	OR	97826
01S28E000001400	MARILYN	SCHILLER				69958 SCHILLER DR	ECHO	OR	97826
01S28E000001401	MARILYN	SCHILLER				69958 SCHILLER DR	ECHO	OR	97826
01S28E000001500				HUGHES RANCHES & RESOURCE MNGMT, LLC		60458 LITTLE BUTTER CREEK RD	HEPPNER	OR	97836
01S28E000001600				LAZY K LAND, LLC, 2/3 ETAL	CURRIN, STEVE & LISANNE	60732 LITTLE BUTTERCREEK RD	HEPPNER	OR	97836
01S28E000001601				HEPPNER CEMETERY (MAIN DIST)		PO BOX 1047	HEPPNER	OR	97836
01S28E000001700				HUGHES RANCHES & RESOURCE MNGMT, LLC		60458 LITTLE BUTTER CREEK RD	HEPPNER	OR	97836
01S28E000001800				JMH RANCH, LLC		PO BOX 724	HEPPNER	OR	97836
01S28E000001900				JMH RANCH, LLC		PO BOX 724	HEPPNER	OR	97836
01S28E000002000				KNOWLES, MARY LYNN & KNOWLES, BRIAN D		67207 LITTLE BUTTER CREEK RD	HEPPNER	OR	97836
01S28E000002100				KNOWLES, MARY & KNOWLES, BRIAN		67207 LITTLE BUTTER CREEK RD	HEPPNER	OR	97836
01S28E000002200				HUGHES RANCHES & RESOURCE MNGMT, LLC		60458 LITTLE BUTTER CREEK RD	HEPPNER	OR	97836
01S28E000002300				HUGHES RANCHES & RESOURCE MNGMT, LLC		60458 LITTLE BUTTERCREEK RD	HEPPNER	OR	97836
01S29E000000100	DANIEL ALBERT	OWEN				11445 SE 185TH PL	RENTON	WA	98055
01S29E000000101				KARL & LANA JEAN JENSEN LIVING TRUST	JENSEN, KARL E & LANA JEAN TRUSTEES	PO BOX 580	PILOT ROCK	OR	97868
01S29E000000103	DANIEL ALBERT	OWEN				11445 SE 185TH PL	RENTON	WA	98055
01S29E000000201	DANIEL ALBERT	OWEN				11445 SE 185TH PL	RENTON	WA	98055
01S29E000000300	MARILYN	SCHILLER				69958 SCHILLER DR	ECHO	OR	97826
01S29E000000301	DANIEL ALBERT	OWEN				11445 SE 185TH PL	RENTON	WA	98055
01S29E000000302	DANIEL ALBERT	OWEN				11445 SE 185TH PL	RENTON	WA	98055

Map Tax Lot	First Name	Last Name	Name 2	Company/Organization	C/O Attn.	Address	City	State	Zip Code
01S29E000000303	DANIEL ALBERT	OWEN				11445 SE 185TH PL	RENTON	WA	98055
01S29E000000305				GURDANE LLC		PO BOX 588	OTHELLO	WA	99344
01S29E000000400				BIRCH CREEK LAND, LLC	CURRIN, LISANNE	60732 LITTLE BUTTER CREEK RD	HEPPNER	OR	97836
01S29E000000500				TOMORROW LAND DEVELOPMENT	TRIPP, JULIE LOU	3807 NE 23RD AVE	PORTLAND	OR	97212
01S29E000000600	MARILYN	SCHILLER				69958 SCHILLER DR	ECHO	OR	97826
01S29E000000800				HOMER W PETERSON FAMILY TRUST ET AL		PO BOX 550	PENDLETON	OR	97801
01S29E000000900	MARILYN	SCHILLER				69958 SCHILLER DR	ECHO	OR	97826
01S29E000001000				HOMER W PETERSON FAMILY TRUST ET AL		PO BOX 550	PENDLETON	OR	97801
01S29E000001100				GURDANE LLC		PO BOX 588	OTHELLO	WA	99344
01S29E000001300	MARILYN	SCHILLER				69958 SCHILLER DR	ECHO	OR	97826
01S29E000001301				GURDANE LLC		PO BOX 588	OTHELLO	WA	99344
01S29E000001900				BIRCH CREEK LAND, LLC & LAZY K LAND, LLC		60694 LITTLE BUTTER CREEK RD	HEPPNER	OR	97836
01S29E000002000				HUGHES RANCHES & RESOURCE MNGMT, LLC		60458 LITTLE BUTTERCREEK RD	HEPPNER	OR	97836
01S29E000002100				HUGHES RANCHES & RESOURCE MNGMT, LLC		60458 LITTLE BUTTERCREEK RD	HEPPNER	OR	97836
01S29E000002200				HUGHES RANCHES & RESOURCE MNGMT, LLC		60458 LITTLE BUTTERCREEK RD	HEPPNER	OR	97836
01S29E000002300				HUGHES RANCHES & RESOURCE MNGMT, LLC		60458 LITTLE BUTTERCREEK RD	HEPPNER	OR	97836
02S26E000000100				ANDERSON, COLIN & ANDERSON, ERIN		75257 BLACKHORSE CANYON LN	HEPPNER	OR	97836
02S26E000000200				ANDERSON, COLIN & ANDERSON, ERIN		75257 BLACKHORSE CANYON LN	HEPPNER	OR	97836
02S26E000000400				ANDERSON, COLIN & ANDERSON, ERIN		75257 BLACKHORSE CANYON LN	HEPPNER	OR	97836
02S27E000000100				LAZY K LAND, LLC, 2/3 ETAL	CURRIN, STEVE & LISANNE	60732 LITTLE BUTTERCREEK RD	HEPPNER	OR	97836
02S27E000000200	THOMAS D	PRICE				PO BOX 487	PENDLETON	OR	97801
02S27E000000300				KENNY, CHRISTINE M, TRUSTEE ETAL		PO BOX 1947	PENDLETON	OR	97801
02S27E000000600				ROBINSON PROPERTY MANAGEMENT LLC		64583 SPUR LOOP RD	HEPPNER	OR	97836
02S27E000000700				KENNY, CHRISTINE M, TRUSTEE ETAL		PO BOX 1947	PENDLETON	OR	97801
02S27E000000701	MATTHEW P	KENNY	CARMEL E			PO BOX 447	HEPPNER	OR	97836
02S27E000000800				ROLLING RANCH LLC		8385 WHEATLAND RD N	SALEM	OR	97303
02S27E000000900				ROLLING RANCH LLC		8385 WHEATLAND RD N	SALEM	OR	97303
02S27E000001000				ANDERSON, COLIN & ANDERSON, ERIN		75257 BLACKHORSE CANYON LN	HEPPNER	OR	97836
02S27E000001200				EVANS, MONTE & EVANS, REBECCA		63468 SANDHOLLOW RD	HEPPNER	OR	97836
02S27E000001300				TURNER RANCH, INC		75655 BASELINE RD	HEPPNER	OR	97836
02S28E000000100				HUGHES RANCHES & RESOURCE MNGMT, LLC		60458 LITTLE BUTTERCREEK RD	HEPPNER	OR	97836
02S28E000000200				HOMER W PETERSON FAMILY TRUST ET AL		PO BOX 550	PENDLETON	OR	97801
02S28E000000300				HOMER W PETERSON FAMILY TRUST ET AL		PO BOX 550	PENDLETON	OR	97801
02S28E000000400				LAZY K LAND, LLC	CURRIN, STEVE	60732 LITTLE BUTTER CREEK RD	HEPPNER	OR	97836
02S28E000000401				CURRIN, STEPHEN J & CURRIN, LISANNE K		60732 LITTLE BUTTER CREEK RD	HEPPNER	OR	97836
02S28E000000402				CURRIN, STEVE & CURRIN, LISANNE		60732 LITTLE BUTTER CREEK RD	HEPPNER	OR	97836

Map Tax Lot	First Name	Last Name	Name 2	Company/Organization	C/O Attn.	Address	City	State	Zip Code
02S28E000000500				LAZY K LAND, LLC, 2/3 ETAL	CURRIN, STEVE & LISANNE	60732 LITTLE BUTTERCREEK RD	HEPPNER	OR	97836
02S28E000000600				KNOWLES, MARY & KNOWLES, BRIAN		67207 LITTLE BUTTER CREEK RD	HEPPNER	OR	97836
02S28E000000700				KNOWLES, MARY & KNOWLES, BRIAN		67207 LITTLE BUTTER CREEK RD	HEPPNER	OR	97836
02S28E000000800				G HUGHES PROPERTY, LLC		1614 DURUM DR	WALLA WALLA	WA	99362
02S28E000000900				FREEZEOUT RANCH, LLC		81476 HWY 74 LENA	HEPPNER	OR	97836
02S28E000001000				STATE OF OREGON		417 TRANSPORTATION BLDG	SALEM	OR	97310
02S28E000001100				HAGGARD RANCH, LLC		60077 LITTLE BUTTER CREEK RD	HEPPNER	OR	97836
02S28E000001200				BROSNAN RANCH, INC		950 QUAIL RIDGE LN	BAKER CITY	OR	97814
02S29E000000500				HUGHES RANCHES & RESOURCE MNGMT, LLC		60458 LITTLE BUTTERCREEK RD	HEPPNER	OR	97836
02S29E000000600				HUGHES RANCHES & RESOURCE MNGMT, LLC		60458 LITTLE BUTTERCREEK RD	HEPPNER	OR	97836
02S29E000000700				HUGHES RANCHES & RESOURCE MNGMT, LLC		60458 LITTLE BUTTER CREEK RD	HEPPNER	OR	97836
02S29E000000800				HUGHES RANCHES & RESOURCE MNGMT, LLC		60458 LITTLE BUTTERCREEK RD	HEPPNER	OR	97836
02S29E000000900				HUGHES RANCHES & RESOURCE MNGMT, LLC		60458 LITTLE BUTTERCREEK RD	HEPPNER	OR	97836
02S29E000001500				BROSNAN RANCH, INC		950 QUAIL RIDGE LN	BAKER CITY	OR	97814
02S29E000001600				HUGHES RANCHES & RESOURCE MNGMT, LLC		60458 LITTLE BUTTERCREEK RD	HEPPNER	OR	97836

Umatilla County Tax Lot Data

Map Tax Lot	First Name	Last Name	Name 2	Company/Organization	C/O Attn.	Address	City	State	Zip Code
1N29000000302				ECHO HILLS RANCH GP		PO BOX 4965	PASO ROBLES	CA	93447
1N29000000310				ECHO HILLS RANCH GP		PO BOX 4965	PASO ROBLES	CA	93447
1N29000000600	MARILYN	SCHILLER				69958 SCHILLER DR	ECHO	OR	97826
1N29000000701				JENSEN LANA JEAN & KARL E, TRS		PO BOX 580	PILOT ROCK	OR	97868
1N29000001000	MARILYN	SCHILLER				69958 SCHILLER DR	ECHO	OR	97826
1N29000001100				BUTTER CREEK CATTLE CO		60732 LITTLE BUTTER CREEK RD	HEPPNER	OR	97836
2N28000000400	MARILYN	SCHILLER				69958 SCHILLER DR	ECHO	OR	97826
2N28000000500				EAGLE RANCH	C/O NORTHWEST CPA GROUP PLLC	1333 COLUMBIA PARK TRAIL STE 210	RICHLAND	WA	99352
2N28000000600				EAGLE RANCH	C/O NORTHWEST CPA GROUP PLLC	1333 COLUMBIA PARK TRAIL STE 210	RICHLAND	WA	99352
2N28000000700				EAGLE RANCH	C/O NORTHWEST CPA GROUP PLLC	1333 COLUMBIA PARK TRAIL STE 210	RICHLAND	WA	99352
2N28000000800				WINDY RIVER		250 STEELE ST	DENVER	CO	80206
2N28000001600				FARMLAND RESERVE INC	ATTN: TAX ADMINISTRATION	PO BOX 511196	SALT LAKE CITY	UT	84151
2N28000001700				FARMLAND RESERVE INC	ATTN: TAX ADMINISTRATION	PO BOX 511196	SALT LAKE CITY	UT	84151
2N28000001800				PRIOR MICHAEL W ET AL	C/O NORTHWEST CPA GROUP PLLC	1333 COLUMBIA PARK TRAIL STE 210	RICHLAND	WA	99352
2N28000001900	MARILYN	SCHILLER				69958 SCHILLER DR	ECHO	OR	97826
2N28000001901	MARILYN	SCHILLER				69958 SCHILLER DR	ECHO	OR	97826
2N28000002000				USA	BUREAU OF LAND MGT	PO BOX 2965	PORTLAND	OR	97208
2N28000002100	MARILYN	SCHILLER				69958 SCHILLER DR	ECHO	OR	97826
2N28000002200	MARILYN	SCHILLER				69958 SCHILLER DR	ECHO	OR	97826
2N28000002200A1	MARILYN	SCHILLER				69958 SCHILLER DR	ECHO	OR	97826
2N28000002300	MARILYN	SCHILLER				69958 SCHILLER DR	ECHO	OR	97826
2N28000002400	MARILYN	SCHILLER				69958 SCHILLER DR	ECHO	OR	97826
2N28000002500				EAGLE RANCH	C/O NORTHWEST CPA GROUP PLLC	1333 COLUMBIA PARK TRAIL STE 210	RICHLAND	WA	99352
2N28000002700	MARILYN	SCHILLER				69958 SCHILLER DR	ECHO	OR	97826
2N28000002800	MARILYN	SCHILLER				69958 SCHILLER DR	ECHO	OR	97826
2N28000002900	MARILYN	SCHILLER				69958 SCHILLER DR	ECHO	OR	97826
2N28000003000				HAWKINS CO INC		78771 EGGERS RD	PENDLETON	OR	97801
2N28000003100				HAWKINS CO INC		78771 EGGERS RD	PENDLETON	OR	97801
2N28000003200	CASEY A	SEEGER	CODY ROBERT		C/O SEEGER BARBARA	PO BOX 42	ECHO	OR	97826
2N28000003300				USA	BUREAU OF LAND MGT	PO BOX 2965	PORTLAND	OR	97208
2N28000003400	JOHN H	LUCIANI				27633 BUTTER CREEK RD	ECHO	OR	97826
2N28000003500				PINE CANYON RANCH GP	DONALD O CAVALLETTO	PO BOX 4965	PASO ROBLES	CA	93447
1N29000000700	MARILYN	SCHILLER				69958 SCHILLER DR	ECHO	OR	97826
2N28000000100				PARJIM FARMLAND HOLDINGS LLC	C/O JAY GIROTTO	18 CRESCENT KEY	BELLEVUE	WA	98006
2N28000000300				EAGLE RANCH	C/O NORTHWEST CPA GROUP PLLC	1333 COLUMBIA PARK TRAIL STE 210	RICHLAND	WA	99352

Wheatridge Renewable Energy Facility East

Attachment 3
Figure 1
Taxlots

MORROW AND UMATILLA COUNTIES, OR

Morrow County

Umatilla County

Figure 1.1

Figure 1.2

Figure 1.3

Figure 1.4

Figure 1.5

Figure 1.6

Figure 1.7

Figure 1.8

Figure 1.9

Figure 1.10

Figure 1.11

207

578

735

602

813

74

Maxar

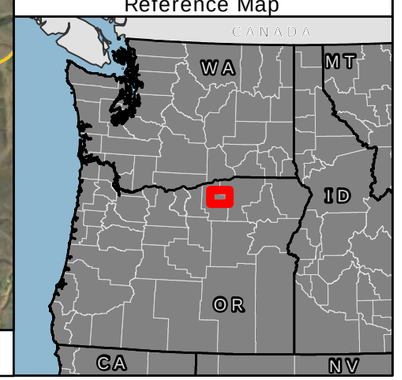
- Amended Site Boundary
- Map Grid
- County Boundary
- State Highway
- County Highway
- Morrow County Taxlot Boundary[1]
- Umatilla County Taxlot Boundary[2]

[1]Data obtained from Morrow County on 04/21/2023
[2]Data obtained from Umatilla County on 05/01/2023

TETRA TECH

NEXTera ENERGY RESOURCES

Reference Map



1:135,000

WGS 1984 UTM Zone 11N

0 1 2 4 6 8 Miles

NOT FOR CONSTRUCTION

P:\GIS_PROJECTS\NextEraIWheatridge_EastMaps__RFA1\Div27_Attachment3\NextEra_WheatridgeEast_Div27_Attachment3_11i17i_20230608.aprx

Wheatridge Renewable Energy Facility East

Attachment 3
Figure 1.1
Taxlots

MORROW AND UMATILLA COUNTIES, OR

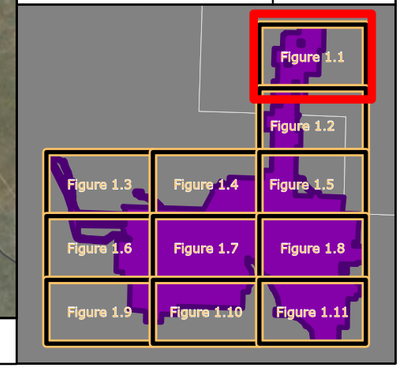
- Amended Site Boundary
- Local Roads
- Morrow County Taxlot Boundary[1]
- Umatilla County Taxlot Boundary[2]

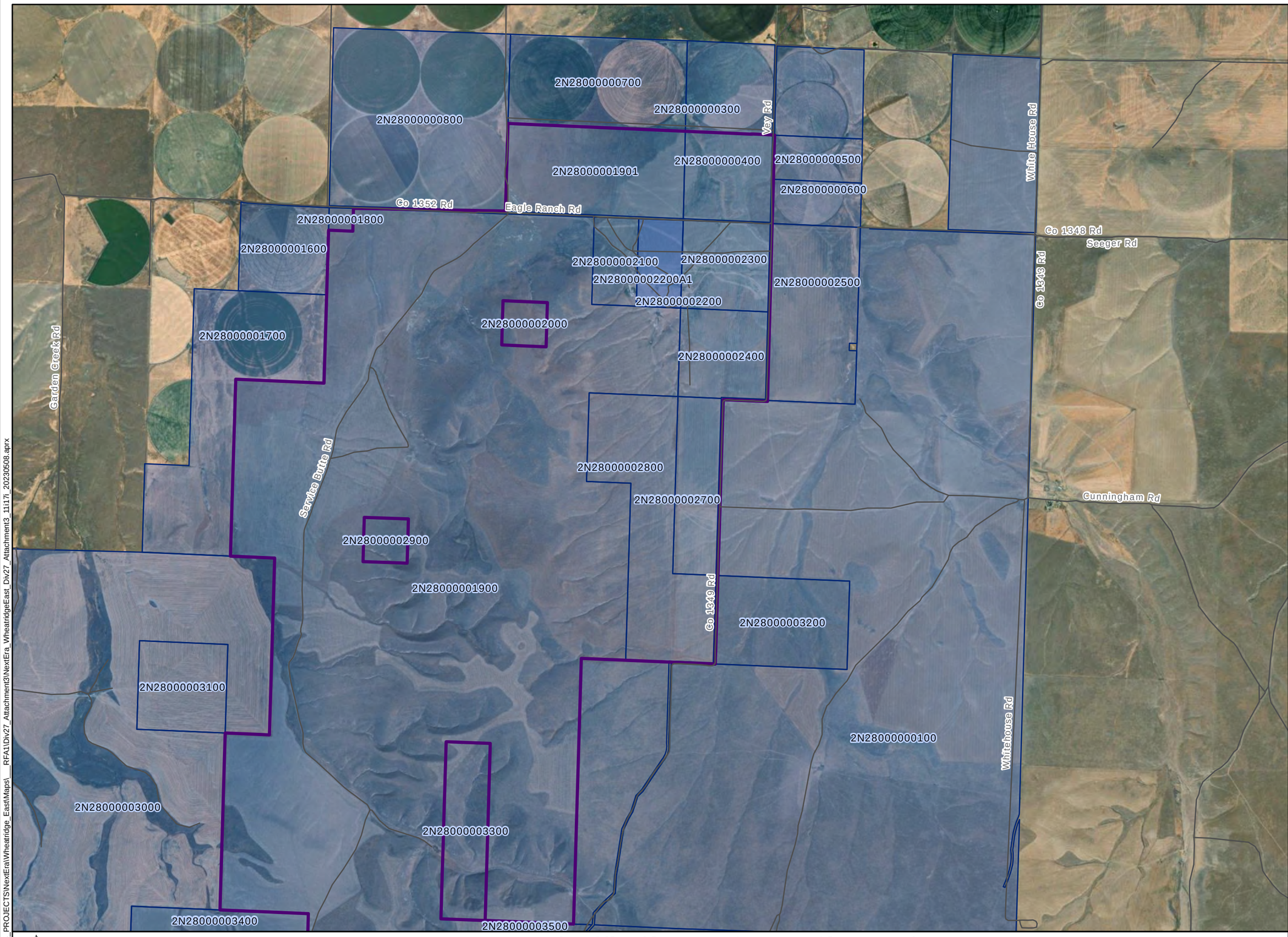
[1]Data obtained from Morrow County on 04/21/2023
[2]Data obtained from Umatilla County on 05/01/2023

TETRA TECH

NEXTera ENERGY RESOURCES

Reference Map





1:33,000 WGS 1984 UTM Zone 11N

0 0.25 0.5 1 1.5 2 Miles

NOT FOR CONSTRUCTION

P:\GIS_PROJECTS\NextEra\Wheatridge_EastMaps__RFA1\Div27_Attachment3\NextEra_WheatridgeEast_Div27_Attachment3_11i17i_20230508.aprx

Wheatridge Renewable Energy Facility East

Attachment 3
Figure 1.2
Taxlots

MORROW AND UMATILLA COUNTIES, OR

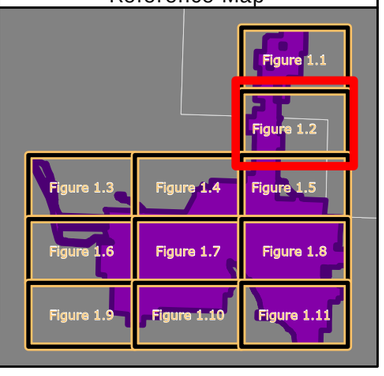
- Amended Site Boundary
- Local Roads
- Morrow County Taxlot Boundary[1]
- Umatilla County Taxlot Boundary[2]

[1]Data obtained from Morrow County on 04/21/2023
[2]Data obtained from Umatilla County on 05/01/2023

TETRA TECH

NEXTera ENERGY RESOURCES

Reference Map



2N28000003100
2N28000003000
2N28000003300
2N28000001900
2N28000000100
2N28000003400
2N28000003500
01N28E000000101
01N28E000000301
01N28E000000100
01N28E000000400
01N28E000000200
01N28E000000102
1N29000000310
1N29000000302
Service Butte Rd
Vey Rd
Co 1349 Rd
Whitehouse Rd
Natl Forest Develop Road 768 Rd
Natl Forest Develop Road 825 Rd
827
Tony Vey Rd

1:33,000 WGS 1984 UTM Zone 11N

0 0.25 0.5 1 1.5 2 Miles

NOT FOR CONSTRUCTION

P:\GIS_PROJECTS\NextEra\Wheatridge_EastMaps___RFA1\Div27_Attachment3\NextEra_WheatridgeEast_Div27_Attachment3_11i17_20230608.aprx

Wheatridge Renewable Energy Facility East

Attachment 3
Figure 1.3
Taxlots

MORROW AND UMATILLA COUNTIES, OR

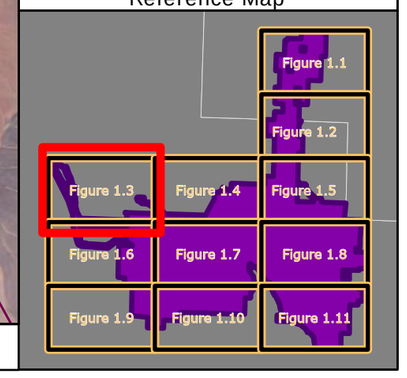
- Amended Site Boundary
- State Highway
- County Highway
- Local Roads
- Morrow County Taxlot Boundary[1]
- Umatilla County Taxlot Boundary[2]

[1]Data obtained from Morrow County on 04/21/2023
[2]Data obtained from Umatilla County on 05/01/2023

TETRA TECH

NEXTera ENERGY RESOURCES

Reference Map



01N26E000001200
01N26E000002700
01N26E000003100
Strawberry Ln
01N25E000001600
01N26E000003200
01N26E000003202
01N26E000003201
Strawberry East Rd
01N26E000002900
01N25E000003100
01N26E000003301
01N26E000003600
01N26E000003300
01N26E000003400
Lexington-Echo Hwy
207
01N26E000003700
01N26E000002801
01N26E000003502
01N26E000003500
Kilkenny Rd
01N26E000002806
01N26E000003501
Beach Ln
01N25E000003200
01N26E000004400
01N26E000004500
01N25E000003202
01N26E000004300
01N26E000004503
Baseline Ln
01N26E000004201
01N26E000004600
01N26E000004700
01N26E000004800
Cutsforth Rd
01S26E000000600
01S26E000000700
01S26E000000200
Nichols Rd
01S26E000000500
01S26E000000300
01S26E000000100
01S26E000000800
01S26E000000400
01S26E000001100
01S26E000001300
01S26E000001500
01S26E000001400
01S26E000001800
01N26E000004200
01N26E000004100
01N26E000004102
Sand Hollow Rd
Kemp Rd
Barclay Ln
01N27E000001200
Myers Ln
578
01N27E000000700
01N26E000004900
01N27E000002400
735
01S27E000000400
01S27E000000505
01S27E000000505
01S27E000001200
Spur Loop

1:33,000
WGS 1984 UTM Zone 11N
0 0.25 0.5 1 1.5 2 Miles
NOT FOR CONSTRUCTION

P:\GIS_PROJECTS\NextEra\Wheatridge_East\Maps___RFA1\Div27_Attachment3\NextEra_WheatridgeEast_Div27_Attachment3_11x17_20230508.aprx

Wheatridge Renewable Energy Facility East

Attachment 3
Figure 1.4
Taxlots

MORROW AND UMATILLA COUNTIES, OR

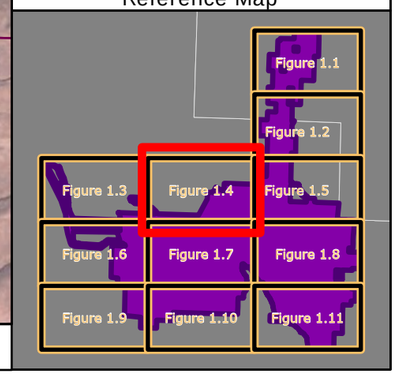
- Amended Site Boundary
- County Highway
- Local Roads
- Morrow County Taxlot Boundary[1]
- Umatilla County Taxlot Boundary[2]

[1]Data obtained from Morrow County on 04/21/2023
[2]Data obtained from Umatilla County on 05/01/2023

TETRA TECH

NEXTera ENERGY RESOURCES

Reference Map



01N27E000000104
01N27E000001200
01N27E000000700
Campbell Rd
01N27E000000103
01N27E000000701
01N27E000001100
Barclay Ln
01N27E000000108
01N27E000001000
01N28E000000400
01N27E000001401
Big Butter Creek Ln
01N27E000001403
Little Buttercreek Rd
Myers Ln
01N28E000000600
01N27E000001400
01N27E000001600
01N27E000001300
01N27E000001200
01N27E000001902
01N27E000001901
01N27E000001700
01N28E000000900
01N28E000000301
578
01N27E000002300
01N27E000000700
01N27E000001701
01N27E000001900
01N27E000002100
01N28E000001000
01N27E000002400
01S27E000000400
01S27E000000401
01S27E000000300
01S27E000000100
01S28E000000700
01S28E000000500
01S27E000000200
01S28E000000600
01S27E000000505

1:33,000 WGS 1984 UTM Zone 11N

0 0.25 0.5 1 1.5 2 Miles

NOT FOR CONSTRUCTION

P:\GIS_PROJECTS\NextEra\Wheatridge_East\Maps___RFA1\Div27_Attachment3\NextEra_WheatridgeEast_Div27_Attachment3_11x17_20230608.aprx

Wheatridge Renewable Energy Facility East

Attachment 3
Figure 1.5
Taxlots

MORROW AND UMATILLA COUNTIES, OR

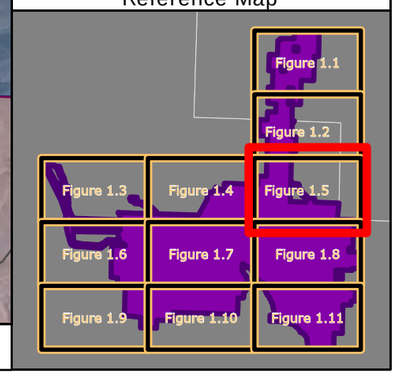
- Amended Site Boundary
- Local Roads
- Morrow County Taxlot Boundary[1]
- Umatilla County Taxlot Boundary[2]

[1]Data obtained from Morrow County on 04/21/2023
[2]Data obtained from Umatilla County on 05/01/2023

TETRA TECH

NEXTera ENERGY RESOURCES

Reference Map



01N28E000000102
1N29000000310
01N28E000000400
1N29000000302
Tony Vey Rd
827
01N28E000000200
01N28E000000301
01N28E000000600
Big Butter Creek Ln
01N28E000000201
01N28E000000300
01N28E000000701
01N28E000000305
01N28E000000801
1N29000000600
01N28E000000900
01N28E000000700
Butter Creek Rd
01N28E000000800
Co 1400 Rd
01N28E000000302
01N28E000000304
01N28E000001000
01N28E000000303
1N29000001000
1N29000000700
1N29000001100
01S28E000000300
01S28E000000400
01S28E000000301
01S28E000000500
01S28E000000200
01S28E000000100
01S29E000000400
01S29E000000300
01S28E000000201
01S28E000000600

1:33,000 WGS 1984 UTM Zone 11N

0 0.25 0.5 1 1.5 2 Miles

NOT FOR CONSTRUCTION

P:\GIS_PROJECTS\NextEra\Wheatridge_EastMaps__RFA1\Div27_Attachment3\NextEra_WheatridgeEast_Div27_Attachment3_11i17i_20230608.aprx

Wheatridge Renewable Energy Facility East

Attachment 3
Figure 1.6
Taxlots

MORROW AND UMATILLA COUNTIES, OR

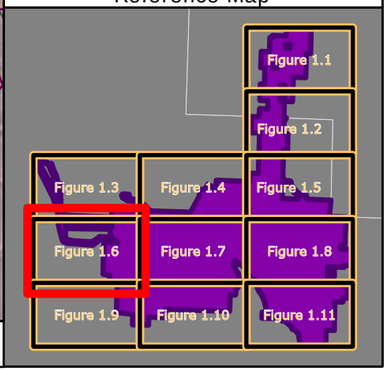
- Amended Site Boundary
- County Highway
- Local Roads
- Morrow County Taxlot Boundary[1]
- Umatilla County Taxlot Boundary[2]

[1]Data obtained from Morrow County on 04/21/2023
[2]Data obtained from Umatilla County on 05/01/2023

TETRA TECH

NEXTera ENERGY RESOURCES

Reference Map



1:33,000 WGS 1984 UTM Zone 11N

0 0.25 0.5 1 1.5 2 Miles

NOT FOR CONSTRUCTION

P:\GIS_PROJECTS\NextEra\Wheatridge_EastMaps__RFA1\Div27_Attachment3\NextEra_WheatridgeEast_Div27_Attachment3_11x17_20230608.aprx

Wheatridge Renewable Energy Facility East

Attachment 3
Figure 1.7
Taxlots

MORROW AND UMATILLA COUNTIES, OR

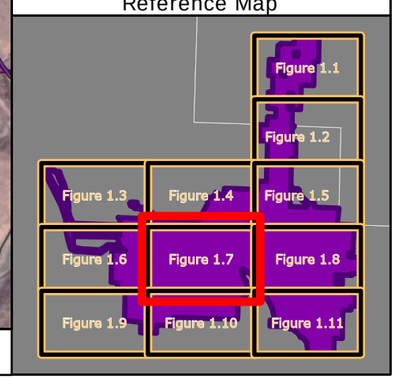
- Amended Site Boundary
- County Highway
- Local Roads
- Morrow County Taxlot Boundary[1]
- Umatilla County Taxlot Boundary[2]

[1]Data obtained from Morrow County on 04/21/2023
[2]Data obtained from Umatilla County on 05/01/2023

TETRA TECH

NEXTera ENERGY RESOURCES

Reference Map



01N27E000002400
01N27E000000700
01N27E000001900
01N27E000002100
01N27E000001701
01N28E000001000
01S27E000000100
01S28E000000700
01S28E000000500
01S27E000000400
01S27E000000401
01S27E000000300
Little Buttercreek Rd
01S28E000000600
01S27E000000505
01S27E000000502
01S27E000000507
01S27E000000505
735
01S27E000000510
01S27E000000503
01S27E000000509
01S27E000000505
01S27E000000515
01S27E000000503
01S27E000000512
01S27E000000600
01S27E000000515
01S27E000000512
01S27E000000514
01S27E000000515
01S27E000000514
01S27E000000500
01S27E000000800
Spur Loop
01S27E000000516
01S27E000000900
01S27E000000200
01S28E000001000
813
01S28E000001100
Little Butter Creek Rd
01S27E000001000
Heaty Rd
01S28E000001200
01S28E000001001
01S28E000001900
01S28E000002000
01S27E000001300
01S27E000001200
01S27E000001100
01S28E000001002
01S28E000001600
01S27E000001401
01S27E000001600

1:33,000 WGS 1984 UTM Zone 11N

0 0.25 0.5 1 1.5 2 Miles

NOT FOR CONSTRUCTION

P:\GIS_PROJECTS\NextEra\Wheatridge_EastMaps___RFA1\Div27_Attachment3\NextEra_WheatridgeEast_Div27_Attachment3_11x17i_20230508.aprx

Wheatridge Renewable Energy Facility East

Attachment 3
Figure 1.8
Taxlots

MORROW AND UMATILLA COUNTIES, OR

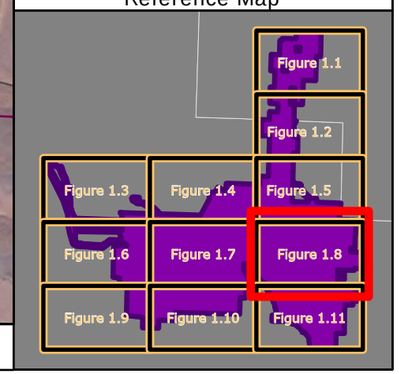
- Amended Site Boundary
- Local Roads
- Morrow County Taxlot Boundary[1]
- Umatilla County Taxlot Boundary[2]

[1]Data obtained from Morrow County on 04/21/2023
[2]Data obtained from Umatilla County on 05/01/2023

TETRA TECH

NEXTera ENERGY RESOURCES

Reference Map



01N28E000001000
01N28E000000304
01N28E000000303
1N29000001000
1N29000001100
1N29000000700
01S28E000000300
01S28E000000400
01S28E000000301
01S28E000000500
01S28E000000100
01S28E000000201
01S29E000000400
01S29E000000300
01S28E000000600
01S29E000000500
01S28E000000200
Little Butter Creek Rd
01S28E000001200
01S28E000001300
01S29E000000900
01S28E000001800
01S28E000001900
01S29E000001000
01S28E000001600
01S28E000001400
01S28E000001401
01S29E000001900
Hugges-Hill Rd
01S28E000001700
01S28E000001601
01S28E000001500

1:33,000 WGS 1984 UTM Zone 11N

0 0.25 0.5 1 1.5 2 Miles

NOT FOR CONSTRUCTION

P:\GIS_PROJECTS\NextEraWheatridge_EastMaps__RFA1\Div27_Attachment3\NextEra_WheatridgeEast_Div27_Attachment3_11i17i_20230608.aprx

Wheatridge Renewable Energy Facility East

Attachment 3
Figure 1.9
Taxlots

MORROW AND UMATILLA COUNTIES, OR

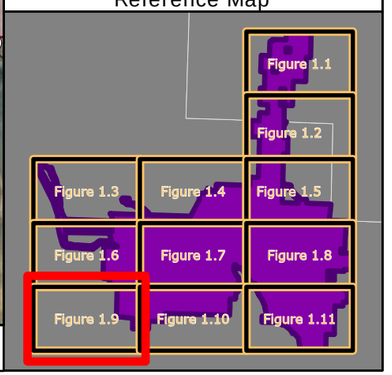
- Amended Site Boundary
- State Highway
- County Highway
- Local Roads
- Morrow County Taxlot Boundary[1]
- Umatilla County Taxlot Boundary[2]

[1]Data obtained from Morrow County on 04/21/2023
[2]Data obtained from Umatilla County on 05/01/2023

TETRA TECH

NEXTera ENERGY RESOURCES

Reference Map



01S26E000002200
01S26E000003500
01S26E000003100
01S26E000003201
01S27E000000515
01S27E000000700
01S27E000000800
01S26E000003200
01S26E000003400
01S26E000003300
01S26E000003500
Bail Canyon Loop
01S27E000001300
01S27E000001501
01S26E000003900
01S27E000001401
01S26E000004100
01S27E000001500
01S26E000004000
01S27E000001400
01S27E000001402
Sand Hollow Rd
01S27E000001200
02S26E000000400
Spur Loop
02S26E000000200
02S26E000000100
02S27E000000800
02S27E000000600
735
Blackhorse Canyon Ln
02S27E000000700
Dee Cox Rd
02S27E000000900
02S27E000001200
02S27E000000701
02S27E000001300
02S27E000000700
02S27E000001000
02S27E000001300
02S27E000001300
602
74
207
Bunker Hill Ln

1:33,000 WGS 1984 UTM Zone 11N

0 0.25 0.5 1 1.5 2 Miles

NOT FOR CONSTRUCTION

P:\GIS_PROJECTS\NextEra\Wheatridge_East\Maps___RFA1\Div27_Attachment3\NextEra_WheatridgeEast_Div27_Attachment3_11i17i_20230508.aprx

Wheatridge Renewable Energy Facility East

Attachment 3
Figure 1.10
Taxlots

MORROW AND UMATILLA COUNTIES, OR

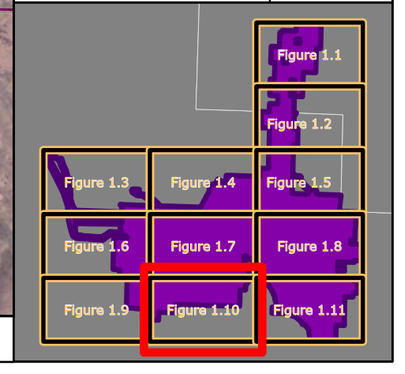
- Amended Site Boundary
- County Highway
- Local Roads
- Morrow County Taxlot Boundary[1]
- Umatilla County Taxlot Boundary[2]

[1]Data obtained from Morrow County on 04/21/2023
[2]Data obtained from Umatilla County on 05/01/2023

TETRA TECH

NEXTera ENERGY RESOURCES

Reference Map



01S27E000000515
01S27E000000515
01S27E000000514
01S27E000000800
01S27E000000516
01S27E000000500
01S27E000001000
01S27E000000200
01S28E000001001
01S28E000001200
01S28E000001900
01S28E000002000
01S27E000001100
01S27E000001300
01S27E000000900
01S28E000001002
01S27E000001401
01S27E000001200
01S27E000001600
01S28E000001600
01S28E000002100
Spur Loop
Healy Rd
02S27E000000600
02S27E000000300
02S28E000000700
02S28E000000600
735
02S27E000001200
02S27E000000700
02S27E000000700
02S27E000000900
02S27E000000701
02S27E000001300
02S27E000001300
02S27E000001300
602
Kenny Rd
Sand Hollow Rd
02S27E000000100
02S27E000000200
02S28E000000500
813
02S28E000000800

1:33,000 WGS 1984 UTM Zone 11N

0 0.25 0.5 1 1.5 2 Miles

NOT FOR CONSTRUCTION

P:\GIS_PROJECTS\NextEra\Wheatridge_EastMaps___RFA1\Div27_Attachment3\NextEra_WheatridgeEast_Div27_Attachment3_11i17i_20230508.aprx

Wheatridge Renewable Energy Facility East

Attachment 3
Figure 1.11
Taxlots

MORROW AND UMATILLA COUNTIES, OR

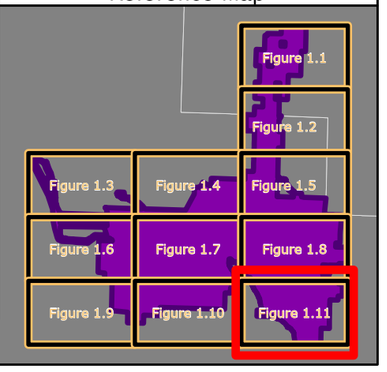
- Amended Site Boundary
- State Highway
- Local Roads
- Morrow County Taxlot Boundary[1]
- Umatilla County Taxlot Boundary[2]

[1]Data obtained from Morrow County on 04/21/2023
[2]Data obtained from Umatilla County on 05/01/2023

TETRA TECH

NEXTera ENERGY RESOURCES

Reference Map



01S28E000001200
01S28E000001300
01S28E000000200
01S28E000000201
01S29E000000900
01S29E000000300
01S28E000001800
01S28E000001900
01S28E000001400
01S28E000001700
01S28E000001601
01S28E000001500
01S29E000001900
01S29E000002000
01S29E000001000
01S28E000001600
01S28E000001401
Little Butter Creek Rd
01S28E000002200
01S28E000002300
01S29E000002300
Hughes-Hurl Rd
01S29E000002100
01S29E000002200
02S29E000000600
02S28E000000100
02S28E000000500
02S29E000000700
02S28E000000402
02S28E000000401
02S28E000000300
02S28E000000400
02S28E000000200
02S29E000000800
02S29E000000500
02S28E000001000
74
02S28E000000900
02S29E000001600
02S28E000000800
Hepper Hwy
02S29E000000900
02S28E000001100

1:33,000 WGS 1984 UTM Zone 11N

0 0.25 0.5 1 1.5 2 Miles

NOT FOR CONSTRUCTION

P:\GIS_PROJECTS\NextEra\Wheatridge_EastMaps___RFA1\Div27_Attachment3\NextEra_WheatridgeEast_Div27_Attachment3_11x17_20230608.aprx