

Notice of Intent to Apply for a Site Certificate

**Yellow Rosebush Energy Center
September 2023**

**Submitted to
Oregon Energy Facility Siting Council**

**Prepared for
Yellow Rosebush Energy Center, LLC**

Prepared by



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Acronyms and Abbreviations

AC	alternating current
Applicant	Yellow Rosebush Energy Center, LLC
ASC	Application for Site Certificate
BESS	battery energy storage system
BPA	Bonneville Power Administration
DC	direct current
EFSC	Energy Facility Siting Council
EFU	Exclusive Farm Use
FAA	Federal Aviation Administration
Facility	Yellow Rosebush Energy Center
gen-tie	generational tie
kV	kilovolt
MW	megawatt
NHD	National Hydrography Dataset
NOI	Notice of Intent
NPDES	National Pollutant Discharge Elimination System
NWI	National Wetlands Inventory
O&M	operations and maintenance
OAR	Oregon Administrative Rule
ODOE	Oregon Department of Energy
ODEQ	Oregon Department of Environmental Quality
ODOT	Oregon Department of Transportation
ODFW	Oregon Department of Fish and Wildlife
ORBIC	Oregon Biodiversity Information Center
ORS	Oregon Revised Statute
POI	point of interconnect
PV	photovoltaic
ROW	right of way
WCLUDO	Wasco County Land Use and Development Ordinance

Exhibit A. Applicant Information – OAR 345-020-0011(1)(a)

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

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

Response:

Name and mailing address of Applicant:

Yellow Rosebush Energy Center, LLC
422 Admiral Blvd
Kansas City, MO 64106

Applicant contact person for the NOI with mailing address and telephone number:

Jeffrey Watson, Development Manager
Savion, LLC
422 Admiral Blvd, Kansas City, MO 64106
jwatson@savionenergy.com
(410) 349-7679

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

Response:

Parent Company:

Savion, LLC
422 Admiral Blvd
Kansas City, MO 64106

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

Jeffrey Watson, Development Manager
Savion, LLC
422 Admiral Blvd, Kansas City, MO 64106
jwatson@savionenergy.com
410-349-7679

Anneke Solsby, Director of Environmental and Permitting
Savion, LLC
422 Admiral Blvd, Kansas City, MO 64106
asolsby@savionenergy.com
503-860-9076

Contact persons other than the Applicant:

Paul Hicks
Tetra Tech, Inc.
1750 SW Harbor Way, Suite 400
Portland, OR 97213
(503) 727-2273
paul.hicks@tetrattech.com

Sarah Stauffer Curtiss
Stoel Rives LLP
760 SW Ninth Avenue, Suite 3000
Portland, OR 97205
(503) 294-9829
sarah.curtiss@stoel.com

(C) If the applicant is a corporation:

(i) The full name, official designation, mailing address, email address and telephone number of the officer responsible for submitting the NOI;

(ii) The date and place of its incorporation;

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

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

Response:

The Applicant is not a corporation. Therefore, the above criteria are not applicable to the Facility.

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

Response: The Applicant is a subsidiary of Savion, LLC. The parent company name and business address are as follows:

Savion, LLC
422 Admiral Blvd
Kansas City, MO 64106

(E) If the person submitting the NOI is an association of citizens, a joint venture or a partnership:

(i) The full name, official designation, mailing address, email address and telephone number of the person responsible for submitting the NOI;

(ii) The name, business address and telephone number of each person participating in the association, joint venture or partnership and the percentage interest held by each;

(iii) Proof of registration to do business in Oregon;

(iv) A copy of its articles of association, joint venture agreement or partnership agreement and a list of its members and their cities of residence; and

(v) If there are no articles of association, joint venture agreement or partnership agreement, the applicant must state that fact over the signature of each member.

Response:

The Applicant is not an association of citizens, a joint venture, or partnership.

(F) If the applicant is a public or governmental entity:

(i) The full name, official designation, mailing address, email address and telephone number of the person responsible for submitting the NOI; and

(ii) Written authorization from the entity's governing body to submit an NOI.

Response:

The Applicant is not a public or governmental entity.

(G) If the applicant is an individual, the individual's mailing address, email address and telephone number.

Response:

The Applicant is not an individual.

(H) If the applicant is a limited liability company:

(i) The full name, official designation, mailing address, email address and telephone number of the officer responsible for submitting the NOI;

(ii) The date and place of its formation;

(iii) A copy of its articles of organization and its authorization for submitting the NOI; and

(iv) In the case of a limited liability company not registered in Oregon, the name and address of the resident attorney-in-fact in this state and proof of registration to do business in Oregon.

Response:

The Applicant is a limited liability company. The Applicant contact submitting this Notice of Intent (NOI) is:

Jeffrey Watson, Development Manager

Yellow Rosebush Energy Center, LLC

422 Admiral Blvd

Kansas City, MO 64106

jwatson@savionenergy.com

(410) 349-7679

The officer for Yellow Rosebush Energy Center, LLC is:

Scott Zeimetz, Officer

Yellow Rosebush Energy Center, LLC

422 Admiral Blvd,

Kansas City, MO 64106

szeimetz@savionenergy.com

612-770-5189

Yellow Rosebush Energy Center, LLC was formed with the Secretary of State of the State of Delaware on July 13, 2022 and was acknowledged and registered to do business in Oregon by the Oregon Secretary of State on July 25, 2022, in Salem, Oregon. The articles of organization and registration to do business in Oregon are provided in Attachment 1.

Yellow Rosebush Energy Center, LLC is registered in Oregon; therefore, information for the resident attorney-in-fact is not required.

Exhibit B. Facility Description – OAR 345-020-0011(1)(b)

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

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

Response:

The Applicant seeks to develop the Yellow Rosebush Energy Center (Facility). The Facility site boundary is approximately 8,075 acres of private land located on contiguous parcels approximately 9 miles east of Maupin, Oregon, and approximately 6 miles west of Kent in unincorporated Wasco County and Sherman County, Oregon (Figure 1). The Applicant proposes to construct and operate an 800-megawatt (MW) solar photovoltaic power generation facility with related or supporting interconnection facilities and an up to 800-MW battery energy storage system (BESS) within the Facility site boundary. The Facility is anticipated to be built in phases.¹ The Facility is considering two options for the point of interconnect (POI) to the regional electrical grid. The primary POI under consideration is using a proposed Bonneville Power Administration (BPA)-owned switchyard, located along the western edge of the Facility site boundary, which is adjacent to the BPA's John Day to Grizzly 500-kilovolt (kV) transmission line (Figure 2). The alternate POI under consideration is located in Sherman County to the north of the Facility at BPA's existing Buckley Substation (Figure 2).

The Facility will generate electricity using multiple solar arrays (or blocks) of photovoltaic (PV) panels electrically connected to associated power inverters that convert direct current (DC) electricity (generated by PV panels) to alternating current (AC) electricity (used by the regional electrical grid) through medium-voltage 34.5-kV underground wiring. The current from the power inverters will be gathered by an internal electrical collection system and transformed to transmission voltage at BPA's switchyard (using the primary POI) or at the Facility's collector substation (using the alternate POI) prior to exiting the Facility site. PV panels generate electricity using the photovoltaic effect whereby the material in the panels absorb the sun's energy in the form of photons and then release electrons. Each electron is then harnessed or yoked and combined with other electrons. The capture of these free electrons produces an electrical current that is then transmitted to the larger electrical power grid.

¹ The Applicant will seek micro-siting flexibility within the site boundary for the layout of the solar fields and related and supporting facilities, as well as flexibility to develop the Facility in phases and to potentially divide the overall Facility into separate energy facilities (with separate site certificates), following review and approval by EFSC, to provide for the maximum efficiency of space and available technology while also providing for the maximum flexibility of potential customers. 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.

The Applicant is in the process of planning studies that will be included in the Application for Site Certificate (ASC) to Oregon's Energy Facility Siting Council (EFSC). The Applicant intends to begin on-site construction in Q2 2027, pending issuance of a site certificate from EFSC, with commissioning completed and commercial operation targeted for Q4 2028.

(i) For electric power generating plants, the nominal electric generating capacity and the average electrical generating capacity, as defined in ORS 469.300;

Response:

The Facility will have up to 800 MW of nominal and average generating capacity, as defined in Oregon Revised Statute (ORS) 469.300(4)(c).

(ii) Major components, structures and systems, including a description of the size, type and configuration of equipment used to generate, store, transmit, or transport electricity, useful thermal energy, or fuels;

Response:

The Facility will generate electricity using multiple solar arrays. A solar array is a configuration of solar modules, tracker systems, posts, and related electrical collector equipment. The ASC will analyze potential impacts associated with the largest solar array layout within the approximately 8,075-acre Facility site boundary. The actual solar array equipment and layout selected at final design will not exceed the potential impacts analyzed in the Facility site boundary. During pre-construction and final design engineering, the Applicant will specify the Facility components, equipment, and layout in accordance with the reporting requirements of the Oregon Department of Energy (ODOE). The Applicant seeks flexibility to permit a range of solar array technology to accommodate market changes and to preserve design and layout flexibility.

The following description of major components is based on the best available design information at this time and may be modified in the ASC and at final design:

- **Solar Modules.** The Facility will include PV modules rated at 680 W DC per module and mounted on single-axis motorized trackers. It should be noted that watts per module may vary at the time of Facility construction; however, for planning purposes, 680 W per panel is assumed. The individual PV panels or modules will be mounted on the single-access trackers. These individual panels are grouped to create "strings." These strings are grouped into blocks, which will be further grouped into solar arrays. The approximate separation distance of each solar array is between 20 and 30 feet. This spacing allows for adequate separation of solar array blocks to provide first-responder access along interior roads as well as for operations and maintenance.

PV modules will be manufactured at an off-site location and transported via truck to the Facility site. Steel piles supporting the PV modules will be driven into the soil using pneumatic techniques on tracked equipment. The piles are driven into the ground at

varying depths depending on soil characteristics. The solar array will be oriented north-south with PV panels tracking east-west to follow the movement of the sun throughout the day.

- **Tracker Systems & Posts.** After the piles are installed, tracker motors, torque tubes, and other components will be assembled. Some designs allow for PV panels to be secured directly to the torque tubes using appropriate panel clamps. For other single-axis tracking systems, a galvanized metal racking system that secures the panels to the installed foundations will then be field-assembled and attached according to the manufacturer's guidelines. Final selection of the tracking system will occur prior to construction when the Facility is in more advanced stages of design.
- **Inverters.** The Facility includes the installation of approximately 244 inverters that convert DC power to AC power. PV panels will be electrically connected into panel strings using wiring secured to the metal racking system. Underground cables, either rated for direct bury or installed in a polyvinyl chloride conduit, will be installed to transmit the DC electricity from the panels via combiner boxes throughout the solar array to inverters. Preliminary calculations suggest inverter station capacity is 3.6 MW each. Typical concrete foundations for inverters are 10 feet x 20 feet, between 2 to 3 feet in depth, which is subject to change during detailed design with use of structural calculations. The output voltage of the inverters will be stepped up to the voltage of the electrical collection system (i.e., 34.5-kV).
- **Cabling.** The electrical current produced by solar modules is in the form of DC. Cables collect and aggregate the DC before it is converted to AC and sent to the Facility collector substation. Low-voltage cabling will connect the solar modules of each tracker string in a series and combine multiple strings to a single combiner box. Cabling from multiple combiner boxes will connect to a single inverter, which will convert the DC to AC and connect to the buried collection system. Cabling can be mounted to the tracker system, placed in cable trays, or buried. Cable associated with the solar array will be located within the solar area fence line that will occur within the Facility site boundary.
- **Collection System.** From the inverters, medium-voltage wiring will be encased in conduit and buried approximately 3 feet below grade. This medium-voltage wiring will be routed to the Facility switchyard and stepped up to 500-kV. Accumulated power will then be transmitted to the Facility's 500-kV gen-tie, where it will be injected into the regional electrical power grid via the BPA 500-kV transmission line.

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

Response:

The Facility will not use water in the generation of electricity, nor will it produce wastewater for disposal or significant quantities of solid waste. Waste and recyclable products will be hauled off-site and disposed of at licensed waste management facilities. Further details of stormwater drainage and wastewater disposal during construction and operations are provided in Exhibit K of this NOI.

(iv) For thermal power plants, combustion turbine power plants, or other facilities designed to generate electricity from any gas, liquid, or solid fuels:

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

(II) If the facility will generate electric power from natural gas, petroleum, coal or any form of solid, liquid or gaseous fuel derived from such material, a discussion of methods the facility will use to ensure that the facility does not emit greenhouse gasses into the atmosphere, and a description of any equipment the facility will use to capture, sequester, or store greenhouse gases;

(III) A discussion of the methods for the disposal of waste heat generated by the facility;

Response:

The Facility is not a thermal power plant, combustion turbine power plant, or other facility designed to generate electricity from any gas, liquid, or solid fuels. The Facility will generate solar power; consequently, no waste heat will be generated.

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

Response:

The Facility does not have a transmission line that, by itself, is an energy facility under the definition in ORS 469.300. The Facility is considering two options for the POI to the regional electrical grid. The primary POI under consideration will use a proposed BPA switchyard adjacent to the collector substation to connect to the BPA 500-kV John Day to Grizzly transmission line located on the western edge of the Facility site boundary. Interconnection to BPA's transmission system is subject to review under NEPA. BPA will lead this process as a separate action from the solar facility site certificate process. This federal process is not within the jurisdiction of Oregon EFSC.

The alternate POI under consideration is located in Sherman County to the north of the Facility at BPA's existing Buckley Substation. A new approximately 4.5-mile 500-kV gen-tie line (associated transmission line) would be required to connect the Facility from the collector substation to the

Buckley Substation. The alternate POI will not use the proposed BPA switchyard. See Figure 2 for both POI locations and alternate gen-tie line.

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

Response:

The Facility is not a pipeline.

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

Response:

The Facility does not involve underground gas storage.

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

Response:

The Applicant does not propose the storage of liquefied natural gas.

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

Response:

Related or supporting facilities consist of the up to 800-MW BESS, collector substation, operations and maintenance (O&M) building, gen-tie line, site access, service roads, perimeter fencing, gates, temporary construction staging areas, and potentially temporary workforce housing. The following descriptions are based on the best available information at this time and may be modified in the ASC and at final design prior to construction:

- **Battery Energy Storage System.** The Facility includes an up to 800-MW BESS located on the west side of the Facility directly north of the Facility's collector substation (Figure 2). The BESS will consist of two separate non-additive, low-side AC Coupled systems, using lithium-ion batteries. Current design anticipates using 89 Sungrow SC5000 inverters for each BESS system. The BESS is capable of storing and later deploying energy generated by the Facility. The BESS containers will be placed on aggregate base material and gravel. The BESS containers will house the Facility batteries. While use of lithium-ion batteries is anticipated, battery options under consideration include lithium-ion batteries, flow batteries, and DC coupled batteries. The battery options are anticipated to use a series of

self-contained enclosures located on a concrete pad within a centralized fenced area. The BESS options under consideration include fire suppression systems.

- **Collector Substation.** One collector substation will be used for the proposed Facility and will be located within the Facility site boundary (Figure 2). Prior to construction, the collector substation site will be cleared and graded, with a bed of crushed rock applied for a durable surface. The collector substation is anticipated to consist of transformers, gen-tie line termination structures, a bus bar, circuit breakers and fuses, control systems, meters, and other equipment that will be determined at final design.
- **O&M Building.** The O&M building will be a pre-engineered metal structure up to 5,000 square feet and will include a small administrative area with a supervisory control and data acquisition control room, a work area to perform minor repairs, and a storage area for spare parts, transformer oil, and other incidental chemicals. The O&M building will be supported on a reinforced concrete foundation or on individual spread footings. The administrative area will be air conditioned and include offices, kitchen/break room, restrooms, and locker rooms with showers.
- **Gen-tie Line.** The Facility's up to 500-kV gen-tie line will be constructed on steel monopoles supported with tension stringing equipment (i.e., pulling site) located within the gen-tie right of way (ROW). Each monopole will require a concrete caisson foundation. The Facility is considering two options for the POI to the regional electrical grid (See Figure 2 for both POI locations).
 - The primary POI under consideration will connect the Facility substation to the proposed BPA switchyard. The switchyard will then provide connection to the BPA's 500-kV transmission line located at the western edge of the Facility.
 - The alternate POI under consideration is located in Sherman County to the north of the Facility at BPA's existing Buckley Substation. The alternate gen-tie line will start at the collector substation then turn north on the east side and parallel to the BPA's 500-kV transmission line and connect to the Buckley Substation.
- **Site Access and Service Roads.** The Facility will use existing access roads to the extent practicable. The primary transportation corridor to the Facility is Bakeoven Road via U.S. Route 197 (US 197) to the west or U.S. Route 97 (US 97) to the east, and truck traffic is anticipated to access the Facility from Wilson Road via US 97 to Boardman Road. New service roads will be constructed within the Facility site boundary to provide access to Facility infrastructure.

The interior roads within the solar array will be 20-feet wide with a 35-foot turning radius to be consistent with Oregon Fire Code requirements and applicable standards (i.e., access for first-responder apparatus), which conform to the 2018 International Fire Code. The surface will be composed of gravel, compacted aggregate base, or another commercially available suitable surface and be able to support 75,000 pounds. The roads will accommodate Facility construction and O&M activities, such as cleaning the PV panels,

providing a fire buffer (30-foot-wide perimeter road), and facilitating on-site circulation and adequate turnarounds for emergency vehicles. Facility roads will be treated to create a durable, generally dustless surface for use during construction and operation. Dust abatement treatments will involve surfacing interior roads with gravel combined with the use of an approved dust palliative or water. To the extent feasible, vegetation will be cleared and maintained along perimeter roads to provide a vegetation clearance area for fire safety. Use of the service roads may continue after construction, or new service roads may be removed, and the land reclaimed to pre-construction conditions.

- **Perimeter Fencing & Gates.** The solar array areas, BESS, and collector substation will be fenced to restrict public access during construction and operations. A chain-link security fence will be installed around these areas requiring controlled access. The security fence is anticipated to be 6-feet high, topped with one foot of barbed wire (three strands) mounted on 45-degree extension arms facing outwards. The fence posts will be set in concrete and/or driven into the ground. The Facility site will be locked and gated. If first responders needed to access the site for any reason, a key will be available in a lock box or some other approved method. The perimeter fence will have 24-foot-wide security gates installed at various locations for ingress and egress. Controlled access gates will be located at the entrances to the Facility. Site access gates will be swing- or rolling-type. Access through the main gates will require an electronic swipe card to prevent unaccompanied visitors from accessing the Facility. Facility personnel, contractors, agency personnel, and visitors will be logged in and out at the O&M building during normal business hours. Visitors and non-Facility employees (except agency personnel on government business) will be allowed entry only with approval from a staff member at the facility. Additional security may be provided by closed-circuit video surveillance cameras and anti-intrusion systems, as required, for protection of the Facility as well as for the safety of visitors.
- **Temporary Construction Staging Areas.** A temporary staging area will be required on the Facility site, including fenced parking, covered trash disposal facilities, construction trailers, a laydown area, and sufficient portable toilets and potable water for construction staff. Mobile trailers or similar suitable facilities (e.g., modular offices) will be used as construction offices for Facility and subcontractor personnel. Construction laydown and parking areas will be within the Facility site and may be relocated periodically as the solar array is constructed. During construction, temporary utilities will be provided for construction offices. Temporary construction power, before the construction of permanent distribution power, will likely come from portable generators or by connecting to the existing nearby sub-transmission lines. Temporary area lighting will be provided and strategically located for safety and security.

Construction materials—such as panels, racking systems, piles, gen-tie structures, conduit, conductors, concrete, pipe, wire and cable, fuels, reinforcing steel, and small tools—will be delivered to the site by truck. Site access will be restricted to construction personnel only. After the construction phase, the fence to secure the site will be installed after selective

grading and vegetation grubbing is complete, but before large components are brought onto the site for assembly and installation. During initial groundwork, equipment will be stored overnight and on weekends and holidays in a secure, fenced, and gated storage area within the footprint of the solar array.

- **Temporary Workforce Housing.** The Applicant is considering options for incorporating temporary workforce housing and will describe these further in the ASC, if the Applicant finds, after evaluation of available housing options, that the provision of temporary housing may be needed and it would be feasible to provide temporary housing at the Facility site.

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

Response:

The ASC will assess the maximum anticipated impacts of Facility structures and visible features. Preliminary estimates of dimensions for major Facility structures are summarized below and will be updated in the ASC and prior to construction at final design:

- **Solar Array.** The solar modules will be aligned in strings. The maximum height of the solar modules will be 12 feet when the modules are fully tilted. The exact number and size of modules, layout, and associated equipment specifications will be determined during micro siting at final design within the Facility site boundary.
- **Battery Energy Storage System.** The BESS containers will be placed on aggregate base material and gravel. The BESS containers will house the Facility batteries. As described above, the lithium-ion and flow battery types may use a series of self-contained enclosures measuring approximately 12 feet wide, 36 feet long, and 10 feet tall and located on concrete pads within an approximately 40-acre centralized area near the Facility's collector substation. If selected, the DC coupled batteries typically use a series of self-contained enclosures (also measuring approximately 12 feet wide, 36 feet long, and 10 feet tall) distributed along the solar array tracker systems. Each container holds the batteries, a supervisory and power management system, and a fire prevention system. Cooling units will be placed either on top of the containers or along the side depending on the equipment selected at final design.
- **Collector Substation.** The collector substation will be located on an approximately 20-acre area within the Facility site boundary and will be enclosed by a locked chain-link fence.
- **Gen-tie line.** The 500-kV gen-tie line will be supported by steel monopole structures. The specific interconnection components will be described in further detail in the ASC and will be dictated by BPA during micro siting at final design. The Facility is considering two options for the POI to the regional electrical grid (See Figure 2 for both POI locations).
 - The primary POI under consideration will begin at a proposed BPA switchyard to connect to the BPA 500-kV transmission line located directly adjacent to the westernmost edge of the Facility.

- The alternate POI under consideration will include a 500-kV gen-tie line of 4.5 miles and connect to BPA's existing Buckley Substation located in Sherman County north of the Facility. The new gen-tie line will start adjacent to the collector substation, be east of and parallel to the BPA's 500-kV transmission line and connect to the Buckley Substation. The gen-tie will be constructed on approximately 160 to 180-foot steel monopoles that will be spaced approximately 1,000 feet apart. Each monopole will require a concrete caisson foundation that will be approximately 8 feet in diameter (larger for dead-end structures) with a foundation depth of between 40 and 60 feet. Custom structures may be required to accommodate larger spans to avoid sensitive resources or steep terrain. Tension stringing equipment (i.e., pulling site) will be spaced approximately 10,000 feet apart and be 100-feet wide by 600-feet long and located within the gen-tie ROW.
- **Collector Lines.** The 34.5-kV collector lines will run underground for improved reliability. The collector lines will be directly buried at a depth up approximately 3 feet; however, some portion of the lines may be above ground. If needed, overhead collector line segments will likely be placed on steel or wood monopoles approximately 50 to 60 feet high and subject to the requirements of the National Electrical Safety Code.
- **Temporary Construction Staging Areas.** Temporary construction staging areas will occur within the Facility site boundary, will be further described in the ASC, and will be determined in final design and prior to construction.
- **Temporary Workforce Housing.** Temporary workforce housing, if needed and feasible to provide within the Facility site, may occur within the Facility site boundary, will be further described in the ASC, and will be determined in final design and prior to construction.

Exhibit C. Facility Location – OAR 345-020-0011(1)(c)

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

Response:

The Facility site boundary includes approximately 8,075 acres of privately owned land in Wasco County and Sherman County, Oregon. The Facility is generally bounded by US 97 to the east, US 197 to the west, Bakeoven Road to the south, and Oregon Highway 216 (OR-216) to the north. The site boundary is composed of the townships, ranges, and sections listed in Table C-1.

Table C-1. Township, Range, Section, and Tax Lots within the Facility Site Boundary

Township and Range	Section	Tax Lots
Sherman County		
4S 15E	11, 14, 23	300, 2100, 2200, 3200
Wasco County		
4S 15E	001, 002, 023, 025, 026, 030, 031, 035, 036	100, 1500
4S 16E	029, 030, 031, 032	300
5S 15E	001, 002	100
5S 16E	004, 005, 006, 007, 008, 009, 015, 016, 017, 018, 019, 020, 021, 029	900, 1000, 1100, 1300

The Applicant is proposing an alternate overhead transmission line that will connect to BPA's existing Buckley Substation. The BPA's existing Buckley Substation is not within the Facility site boundary. The Facility's site boundary includes the areas that might be temporarily or permanently disturbed during construction of the Facility.

Exhibit D. Alternative Locations – OAR 345-020-0011(1)(d)

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

Response:

The Facility is not a pipeline nor a transmission line as defined by ORS 469.300. The Facility includes neither a pipeline nor transmission line that, by themselves, would be considered an energy facility under ORS 469.300(11)(a)(C).

Exhibit E. Permits Needed for Construction and Operation – OAR 345-020-0011(1)(e)

(e) Exhibit E. Identification of all federal, state and local government permits related to the siting of the proposed facility, a legal citation of the statute, rule or ordinance governing each permit, and the name, address, email address and telephone number of the agency or office responsible for each permit. For each permit, the applicant must provide a preliminary analysis of whether the permit should or should not be included in and governed by the site certificate.

Response:

Table E-1 identifies the applicable federal, state, and local permits required for construction and operation of the Facility.

Table E-1. Permits or Other Approvals Required for Construction and Operation of the Facility

Permit	Agency	Authority/Description
Federal Permits		
Record of Decision/ National Environmental Policy Act Compliance	Bonneville Power Administration (BPA) Attn: Eric Taylor, Customer Manager PO Box 3621 Portland, OR 97208-3621 (360) 619-6014 ektaylor@bpa.gov	National Environmental Policy Act (NEPA), Section 102 (42 United States Code [USC] § 4332); 40 Code of Federal Regulations [CFR] § 1500 Description: Interconnection to BPA’s transmission system is subject to review under NEPA. BPA will lead this process as a separate action from the solar facility site certificate process. This federal process is not within the jurisdiction of the Oregon Energy Facility Siting Council (EFSC) and therefore should not be included within the site certificate.
Clean Water Act, Section 404	U.S. Army Corps of Engineers, Portland District Attn: Danielle Erb, Project Manager PO Box 2946 Portland, OR 97208-2946 (503) 808-4368 danielle.h.erb@usace.army.mil	Clean Water Act, Section 404 (33 USC § 1344); 33 CFR §§ 320, 323, 325-28, and 330 Description: A Section 404 permit will be required if dredge or fill occurs in waters of the United States. This federal process is not within the jurisdiction of EFSC and therefore should not be included in the site certificate.

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Permit	Agency	Authority/Description
Notice of Proposed Construction or Alteration (Form 7460.1)	Federal Aviation Administration (FAA) Attn: Dan Shoemaker Airspace Specialist Seattle Obstruction Evaluation Group 1601 Lind Ave SW Renton, WA 98057 (425) 227-2791 Dan.shoemaker@faa.gov	Federal Aviation Act of 1958 (14 USC § 44718); 14 CFR § 77 Description: The Applicant proposes construction or alterations that may affect navigable airspace pertaining to potential glare from the Facility’s solar arrays, or for construction of structures within specified distances of runways or helipads, may be required to file this notice. No permit is issued by the FAA. This federal process is not within the jurisdiction of EFSC 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 Ave SW Renton, WA 98057 (425) 227-2791 Dan.shoemaker@faa.gov	Federal Aviation Act of 1958 (14 USC § 44718); 14 CFR § 77 Description: If a Notice of Proposed Construction or Alteration with the FAA is required, then submission of the Supplemental Notice of Actual Construction or Alteration form must be filed within 5 days after construction reaches its greatest height as specified in the No Hazard Determination. This federal process is not within the jurisdiction of EFSC and therefore should not be included in the site certificate.
Incidental Take Permit or Eagle Take Permit	U.S. Fish and Wildlife Service (USFWS) Attn: Jeffrey A Dillon, Endangered Species Division Manager 2600 SE 98th Avenue, Suite 100 Portland, OR 970266 (503) 231-6179 Jeffrey_Dillon@fws.gov	Section 7, 9, and 10 Consultation under the Endangered Species Act; Bald and Golden Eagle Protection Act Description: The Facility is not anticipated to impact federally listed species or protected eagles. However, if impacts to federally listed species or eagles are determined not to be avoidable based on the results of field surveys and ongoing coordination with USFWS, the Applicant will pursue an Incidental Take Permit or Eagle Take Permit with the USFWS as applicable. This federal process is not within the jurisdiction of EFSC and therefore should not be included in the site certificate.
State Permits		
Energy Facility Site Certificate	Oregon Department of Energy and Energy Facility Siting Council Attn: Todd Cornett, Assistant Director 550 Capitol Street NE Salem, OR 97301 (503) 428-2962 todd.cornett@oregon.gov	ORS 469.300 et seq.; Oregon Administrative Rule (OAR) Chapter 345, Divisions 1, 21-24 Description: This site certificate is the subject of this Notice of Intent (NOI).

Notice of Intent to Apply for a Site Certificate

Permit	Agency	Authority/Description
Removal/Fill Permit	Oregon Department of State Lands Attn: Richard Fitzgerald, Removal Fill 1645 NE Forbes Rd., Suite 112 Bend, OR 97701 (541)-388-6112 richard.w.fitzgerald@dsl.oregon.gov	ORS 196; OAR Chapter 141, Division 85 Description: A removal-fill permit is required if 50 cubic yards or more of material is removed, filled, or altered within a jurisdictional water of the state. The Facility is not anticipated to impact jurisdictional waters and/or wetlands of the state. If this is proposed or needed, the Removal-Fill Permit should be included in and governed by the EFSC site certificate under ORS 469.401(3).
National Pollutant Discharge Elimination System (NPDES) Stormwater Discharge Permit 1200-A	Oregon Department of Environmental Quality (ODEQ), Eastern Region Attn: Patty Isaak, Permit Coordinator 800 SE Emigrant Ave, Suite 330 Pendleton, OR 97801 (541) 276-4063	Clean Water Act, Section 402 (33 USC § 1342); 40 CFR § 122; ORS 468 and 468B; OAR Chapter 340, Division 45 Description: The NPDES 1200-A permit is required for concrete and asphalt mix batch plants which discharge stormwater to surface water. If needed, the Applicant or a third-party contractor will obtain this permit directly from ODEQ as it is outside the jurisdiction of EFSC and should not be included in or governed by the site certificate.
National Pollutant Discharge Elimination System (NPDES) Stormwater Discharge Permit 1200-C	ODEQ, Eastern Region Attn: Patty Isaak, Permit Coordinator 800 SE Emigrant Ave, Suite 330 Pendleton, OR 97801 (541) 276-4063	Clean Water Act, Section 402 (33 USC § 1342); 40 CFR § 122; ORS 468 and 468B; OAR Chapter 340, Division 45 Description: The NPDES 1200-C permit is required for construction activities that will disturb one or more acres of land. The Applicant will obtain this permit directly from ODEQ as it is outside the jurisdiction of EFSC and should not be included in or governed by the site certificate.
401 Water Quality Certification	ODEQ, Eastern Region Attn: Patty Isaak, Permit Coordinator 800 SE Emigrant Ave, Suite 330 Pendleton, OR 97801 (541) 276-4063	Clean Water Act, Section 401 (33 USC § 1341); OAR Chapter 340, Division 48 Description: Water quality certification is required for facilities that are processed under the U.S. Army Corps of Engineers Section 404 Nationwide Permits. The Facility is not anticipated to impact jurisdictional waters and/or wetlands of the United States. The Applicant will obtain this permit, if needed, directly from ODEQ as it is outside the jurisdiction of EFSC and should not be included in or governed by the site certificate.

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Permit	Agency	Authority/Description
<p>General Water Pollution Control Facilities Permit, WPCF-1700-B</p>	<p>ODEQ, Eastern Region Attn: Patty Isaak, Permit Coordinator 800 SE Emigrant Ave, Suite 330 Pendleton, OR 97801 (541) 276-4063</p>	<p>ORS 468B; OAR Chapter 340, Division 45 Description: If solar panel washing is determined to be needed, the Applicant or a third-party contractor who will conduct the solar panel washing activities may seek coverage under the WPCF-1700-B permit from ODEQ following completion of construction and before initiating washing activities. Therefore, this permit should not be included in and governed by the site certificate.</p>
<p>General Water Pollution Control Facilities Permit, WPCF-1000, Gravel Mining and Batch Plant</p>	<p>ODEQ, Eastern Region Attn: Patty Isaak, Permit Coordinator 800 SE Emigrant Ave, Suite 330 Pendleton, OR 97801 (541) 276-4063</p>	<p>OAR Chapter 340, Division 45 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 needed for Facility construction, the Applicant's third-party contractor will obtain a WPCF-1000 permit from ODEQ, which would therefore not be included in and governed by the site certificate.</p>
<p>Air Contaminant Discharge Permit (ACDP)</p>	<p>ODEQ, Eastern Region Attn: Patty Isaak, Permit Coordinator 800 SE Emigrant Ave, Suite 330 Pendleton, OR 97801 (541) 276-4063</p>	<p>OAR Chapter 340, Division 216 Description: A Basic ACDP authorizes the operation of 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 Applicant's third-party contractor will obtain a Basic ACDP will be obtained from ODEQ. This permit is outside the jurisdiction of EFSC and should not be included in and governed by the site certificate.</p>
<p>Oversize Load Movement Permit/Load Registration</p>	<p>Oregon Department of Transportation (ODOT) Attn: Gary Farnsworth, Region 4 Manager Region 4 Headquarters 63055 N Highway 97 Bend, OR 97701 (541) 388-6071</p>	<p>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 Applicant'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.</p>

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Permit	Agency	Authority/Description
Water Right Permit or Water Use Authorization	Oregon Water Resources Department Water Rights Section, District 3 Attn: Robert Wood, Watermaster 2705 E 2 nd Street The Dalles, OR 97058 (541)-506-2652	ORS 537; OAR 690 Divisions 310, 340, and 410 Description: If water for construction is not available from permitted sources, the Applicant will obtain the necessary water right permit or use authorization directly from the Oregon Water Resources Department. It is outside the jurisdiction of EFSC and should not be included in and governed by the site certificate.
Archaeological Excavation Permit	Oregon Parks and Recreation Department, State Historic Preservation Office Attn: Koren Tippett, Archaeology Inventory & Survey Coordinator 725 Summer Street NE, Suite C Salem, OR 97301 (971) 304-4737 arch.permits@opr.d.oregon.gov	ORS Chapter 97, 358, and 390; OAR Chapter 736, Division 51 Description: Ground-disturbing activity that may affect a known or unknown archaeological resource on public or private lands requires a permit issued by the Oregon Parks and Recreation Department. If needed, the Applicant will obtain it from the State Historic Preservation Office and therefore this permit should not be included in and governed by the site certificate.
State Electrical Permit	Oregon Department of Consumer & Business Services, Building Codes Division Attn: Pendleton Field Office 800 SE Emigrant Avenue, Suite 360 Pendleton, OR 97801 (541) 276-7814 bcd.info@dcbs.oregon.gov	OAR 918, Division 309 A state electrical permit is required prior to the installation of electric, phone, or cable service to any Facility infrastructure. 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 construction 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.

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Permit	Agency	Authority/Description
Local Permits		
Conditional Use Permit (CUP), Zoning Permit, Goal 3 Comprehensive Plan Amendment	Wasco County Planning Department Attn: Kelly Howsley-Glover, Planning Director Wasco County Planning Department 2705 East 2 nd Street The Dalles, OR 97058 (541) 506-2560 kellyg@co.wasco.or.us	Wasco County Land Use and Development Ordinance (WCLUDO) Section 3.210, Exclusive Farm Use Zone; WCLUDO Chapter 5, Conditional Use Review; WCLUDO Chapter 19, Standards for Non-Commercial Energy Facilities, Commercial Energy Facilities & Related Uses; WCLUDO Chapter 20, Site Plan Review. Description: The Applicant elects to obtain an EFSC determination under ORS Chapter 469.504(1)(b). Under ORS 469.401(3), following issuance of the site certificate, the County, upon the Applicant’s submission or 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.
Building Permit	Wasco County Building Codes Services Department Attn: Mark VanVoast, Building Official Wasco County Building Codes Services 2705 East 2 nd Street The Dalles, OR 97058 (541) 506-2650 BuildingCodes@co.wasco.or.us	OAR Chapter 918, Divisions 309 & 780; Oregon Structural Specialty Code Description: A building permit is required for review and approval from Wasco County prior to commencement of construction of energy facilities. These are applied for an issued by the Wasco County Building Codes Services Department.
Site Evaluation Application & New Construction Permit (Septic)	North Central Public Health District Onsite Wastewater Program 419 E 7th St, The Dalles, OR 97058 (541) 506-2600 publichealth@ncphd.org	ORS 454 and 468B; OAR Chapter 340, Division 71 (340-071-0120(1) allows DEQ to delegate authority to local governmental units) Facilities with an on-site sewage disposal system must obtain a Site Evaluation & New Construction Permit before construction. The Facility will have a daily sewage flow of fewer than 2,500 gallons and the Applicant’s third-party contractor will obtain the permit from North Central Public Health District and Wasco County for the operations and maintenance (O&M) building. Therefore, this permit should not be included in and governed by the site certificate.

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Permit	Agency	Authority/Description
Road Approach Permit	Wasco County Public Works Department Attn: Arthur Smith, Director Wasco County Public Works 2705 East 2nd Street The Dalles, OR 97058 (541) 506-2645 ArthurS@co.wasco.or.us	WCLUDO Chapter 19 Energy Facilities Description: New driveways and increases or changes of use for existing driveways which access a public road shall obtain a Road Approach Permit from Wasco County Public Works or the Oregon Department of Transportation
Utility Permit	Wasco County Public Works Department Attn: Arthur Smith, Director Wasco County Public Works 2705 East 2nd Street The Dalles, OR 97058 (541) 506-2645 ArthurS@co.wasco.or.us	WCLUDO Chapter 19 Energy Facilities Description: If required to enter into a Road Use Agreement with the County, the Applicant is required to obtain a utility permit for utility installation and approach permits.
Zoning and Building Permit	Sherman County Planning Department Attn: Georgia Macnab, Planning Director Sherman County Planning Department P.O. Box 381 Moro, OR 97039 (541) 506-2560 gmacnab@co.sherman.or.us	Sherman County Zoning Ordinance Section 3.1 (Exclusive Farm Use Zone, F-1 Zone) and Section 11.2 (Zoning or Other Land Development Permit or Approval). Description: Utility facility service lines as described in ORS 215.283 are permitted uses in the Sherman County F-1 zone and may require zoning or building permits as determined by the County. The Applicant elects to obtain an EFSC determination under ORS Chapter 469.504(1)(b). Under ORS 469.401(3), following issuance of the site certificate, the County, upon the Applicant's submission or 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.

Exhibit F. Property Ownership – OAR 345-020-0011(1)(f)

(f) Exhibit 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 is the subject of the NOI, 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 NOI, 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 NOI, where the subject property is within a farm or forest zone; and

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

Response:

In accordance with Oregon Administrative Rule (OAR) 345-020-0011(1)(f), Attachment 2 is a list of the names and mailing addresses of property owners within 500 feet of the Facility's site boundary. The Facility is located in the Wasco County Exclusive Farm Use (EFU; A-1) zone and Sherman County Exclusive Farm Use (F-1) zone (Figure 3). Therefore, OAR 345-020-0011(1)(f)(iii) applies to the Facility. Additionally, the Applicant has provided an electronic list of the property owner information to ODOE in accordance with OAR 345-020-0011(1)(f)(B). Tax lot boundaries and assessor information for Wasco and Sherman Counties was obtained from the Wasco County Assessor on July 31, 2023, and August 7, 2023, respectively.

Exhibit G. Facility Maps – OAR 345-020-0011(1)(g)

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

The required information appears on eight map figures, as follows:

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

Response:

The components of each figure addressing the above criteria are listed below:

- **Figure 1** shows the location of the Facility site boundary in relation to county boundaries, major roads, highways, cities and towns, and airports.
- **Figure 2** is an overview of the facility components and their layout in relation to the surrounding area. Figure 2 shows the proposed site boundary, county boundaries, city and towns, major roads, and specific components such as substations, existing and proposed transmission lines, gen-tie line, alternate gen-tie line, POI, and BESS.
- **Figure 3** shows the underlying zoning designation for the Facility. The site boundary is within Wasco County's EFU (A-1) zone and Sherman County's EFU (F-1) zone.
- **Figure 4** identifies the study areas and their associated mileage that are defined by OAR 345-001-0010(35).
- **Figure 5** shows the topographic features of the surrounding area in comparison to the proposed site boundary. Local roads and county boundaries are also shown.
- **Figure 6** identifies the federal, state, and local protected areas as defined by OAR 345-001-0010(26), within a 20-mile buffer of the proposed site boundary.
- **Figure 7** shows hydrology and wetland data within the vicinity of the Facility from the National Wetlands Inventory (NWI) and National Hydrography Dataset (NHD).
- **Figure 8** shows the permitted energy facilities within 10 miles of the proposed site boundary. Additionally, major roads, existing transmission lines, and existing substations are shown on the figure.

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

Response:

As previously mentioned, the Facility is not a pipeline or transmission line as defined under OAR 469.300. Additionally, the Facility is not proposing a pipeline or transmission line that would be considered an energy facility. Therefore, alternate corridors were not identified for the Facility under subsection (d).

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

Response:

As shown on Figure 4, the study areas defined under OAR 345-001-0010(35) include the area within the site boundary and the area within the following distances from the site boundary: a 20-mile protected areas buffer; a 10-mile scenic resources and public services area; a 5-mile recreational opportunities area; a 5-mile threatened and endangered plant and animal species area; and a 0.5 mile area for land use, wildfire risk, and fish and wildlife habitat.

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

Response:

As previously mentioned, Figure 5 shows topographic features of the surrounding area in relation to the proposed site boundary. Local roads, county boundaries, contour lines, and waterbodies also are shown.

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

Response:

Protected areas defined under OAR 345-001-0010 are shown and labeled on Figure 6.

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

Response:

Figure 7 shows potential waters of the state and potential waters of the United States using data from the NWI and NHD. Intermittent and perennial streams cross through and around the proposed site boundary according to the NHD. Several different waterbodies were identified through the NWI, near and throughout the proposed site boundary, including freshwater emergent wetlands, freshwater forested/shrub wetland, freshwater ponds, and ravines.

(G) For energy generation facilities, the approximate locations of any other energy generation facilities that are known to the applicant to be permitted at the state or local level within the study area as defined in OAR 345-001-0010 for impacts to public services.

Response:

The Bakeoven, Daybreak, and Sunset solar energy generation facilities are permitted under EFSC and are within 10 miles of the proposed site boundary as shown on Figure 8. Existing BPA transmission lines and substations are also within 10 miles of the Facility. No other existing energy generation facilities have been identified within 10 miles of the Facility.

Exhibit H. Non-generating Energy Facility – OAR 345-020-0011(1)(h)

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

Response:

The Facility is not a non-generating energy facility. Therefore, this rule is not applicable.

Exhibit I. Land Use – OAR 345-020-0011(1)(i)

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

Response:

The proposed Facility site boundary is within Wasco County's A-1 zone and Sherman County's F-1 zone which are both EFU zoning districts (Figure 3). The Applicant intends to satisfy EFSC's land use standard, OAR 345-022-0030, by seeking an EFSC determination under ORS 469.504(1)(b). The Applicant seeks a determination by EFSC of compliance with Wasco County and Sherman County's land use standards for the Facility.

Exhibit J. Environmental Impacts – OAR 345-020-0011(1)(j)

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

Response:

Potential significant environmental impacts of the Facility on air quality, surface and groundwater quality, fish and wildlife habitats, threatened and endangered plant and animal species, historic, cultural and archeological resources, scenic and protected resources, recreation, land use, and wildfire risk are identified in this exhibit. The applicable study areas for these resources are shown below in Table J-1.

Table J-1. Study Areas for Environmental Impacts

Resource	Study Area	Regulatory Requirement
Air Quality	Facility site boundary	Not applicable
Surface and Groundwater Quality and Availability (includes wetlands and waters of the state)	Facility site boundary	Not applicable
Fish and Wildlife Habitat	0.5 miles from Facility site boundary	OAR 345-001-0010(35)(c)
Threatened and Endangered Plant and Animal Species	5 miles from Facility site boundary	OAR 345-001-0010(35)(a)
Historic, Cultural and Archaeological Resources	Facility site boundary	Not applicable
Scenic Resources	10 miles from Facility site boundary	OAR 345-001-0010(35)(b)
Recreation	5 miles from Facility site boundary	OAR 345-001-0010(35)(d)
Land Use	0.5 miles from Facility site boundary	OAR 345-001-0010(35)(c)
Wildfire Risk	0.5 miles from Facility site boundary	OAR 345-001-0010(35)(c)

Air Quality

The primary sources of air pollution during construction and operation of the Facility are pollutants coming from the emissions of vehicles traveling to and from the Facility and fugitive dust. Solar modules, collector lines, BESS, and related and supporting components will not produce air contaminants and therefore will not have a negative impact on air quality in the area. Generally, vehicles traveling to and from the site will include large trucks carrying various materials and

employees commuting to the site. Fugitive dust can be generated from vehicles driving on unpaved gravel roads. Dust control best management practices, which will be thoroughly discussed in the ASC, will be implemented during construction to minimize the effects of dust.

Because vehicles and dust generated during construction and operations are mobile, temporary, and non-point sources, they are not subject to air quality permitting. Facility-related vehicles, workers' vehicles, and vehicles used for delivery of construction supplies and equipment, or operational supplies, are subject to the Oregon Department of Transportation (ODOT) and United States Department of Transportation regulations for registration and emissions. Facility construction equipment will be subject to the federal non-road engine standards in 40 Code of Federal Regulations Part 89 (National Archives 2023). These standards establish the maximum allowable emission rates for compression ignition non-road engines based on the model year of the engine.

Surface and Groundwater

Surface and Groundwater Quality

Pollutants will not be discharged from the Facility to surface water or groundwater. The Applicant will obtain a National Pollutant Discharge Elimination (NPDES) 1200-C permit from the Oregon Department of Environmental Quality to address potential temporary impacts from construction stormwater runoff. An Erosion and Sediment Control Plan will be created to minimize impacts from stormwater runoff. During construction, employees will use on-site portable toilets; waste will be disposed of off-site by a licensed contractor. The O&M building will be served by a septic system and water will be provided by either wells or public water infrastructure.

Surface and Groundwater Availability

During construction of the Facility, approximately 90,000 gallons of water per day will be used for site conditions control and construction activities. Water is anticipated to come from wells on-site or nearby municipalities with existing water rights. The expected water amounts used for construction of the Facility will be discussed in the ASC. Additionally, the Applicant will confirm with the appropriate municipality that the anticipated amount of water needed for construction of the Facility will be available.

Once the Facility is under operation, water will be provided by either wells or public water infrastructure. Generally, water during operation will be used for solar panel washing and washing Facility vehicles. The average amount of water used at the O&M building will be less than 5,000 gallons per day during operations.

Wetlands and Waters of the State of Oregon

Potential wetlands and waters of the state have been identified in Figure 7. Data from the NWI and NHD concluded that there are intermittent and perennial waters running through and around the site boundary. Additional data from the NHD identified several types of mapped wetlands in and near the Facility boundary. These include freshwater emergent wetlands, freshwater forested/shrub wetland, freshwater ponds, and riverine. An in-depth analysis of waters of the state, wetlands, and waters of the United States will be provided in the ASC.

Wildlife and Wildlife Habitat

As shown in Table J-2, according to the National Land Cover Database, land cover within the Facility site boundary is primarily Shrub/Scrub with patches of Grasslands/Herbaceous (MRLC 2019). There is also a small amount of Cultivated Crops land cover. In the southern end of the Facility site boundary is a portion of wetland habitat.

Table J-1. Land Cover within the Facility Site Boundary

Land Cover Type	Area (acres) ¹	Percent of Total Area ¹
Developed, Open Space	15	0.19
Developed, Low Intensity	4	0.05
Developed, Medium Intensity	1	0.01
Shrub/Scrub	5,839	72.31
Grassland/Herbaceous	2,023	25.05
Cultivated Crops	128	1.59
Woody Wetlands	63	0.78
Emergent Herbaceous Wetlands	2	0.02
Total	8,075	100.00
1. Values may not add up to the total due to rounding.		

The Facility is located entirely within the Wasco County Sensitive Wildlife Habitat area (Wasco County 2023). Wildlife surveys will be performed to determine what species are present within the site boundary. Habitat surveys will be conducted to evaluate habitat functions and values present to support wildlife within the Facility site boundary. Habitat surveys will be informed by the Oregon Department of Fish and Wildlife (ODFW) Fish and Wildlife Habitat Mitigation Policy ([OAR] 635-415-0025), which defines six habitat quality categories ranging from Category 1 habitat (i.e., essential, limited, and irreplaceable habitat) to Category 6 habitat (i.e., habitat that has low potential to become essential or important habitat for fish and wildlife). A more in-depth analysis of specific species and their habitats will be provided in the ASC.

Sensitive, Threatened, and Endangered Species

Surveys for special status plant and wildlife species will be conducted within the Facility site boundary. A raptor and eagle nest survey will be conducted for the Facility and within a 0.5-mile buffer around the Facility site boundary. According to available data from the Oregon Biodiversity Information Center (ORBIC), multiple special status plant and wildlife species have been documented in the vicinity of the Facility site boundary, including three golden eagle nests within 0.5-mile. The Facility is also located entirely within the ODFW Mule Deer Winter Range overlay. This information will help inform the wildlife and habitat surveys for the Facility.

Results of field surveys and analysis of potential impacts to sensitive, threatened, and endangered species will be provided in the ASC, along with measures to reduce impacts to these species.

Historic, Cultural, and Archaeological Resources

The Applicant will conduct cultural resource surveys within the Facility site boundary. These surveys will evaluate the presence or absence of historic properties of cultural resources that may or may not meet the threshold of significance necessary to qualify them as historic properties. Oregon State Historic Preservation Office study methodologies will be followed and be consistent with U.S. Secretary of Interior standards for cultural resource surveys under Section 106 of the National Historic Preservation Act (Public Law 89-665).

Scenic Resources

As shown in Figure 4, the scenic resource study area is defined as the area within the Facility site boundary plus a 10-mile buffer, in accordance with OAR 345-001-0010(59)(b). Pursuant to OAR 345-021-0010(1)(r) and 345-022-0080(1), scenic resources to be considered are those “identified as significant or important in a land use management plan adopted by one or more local, tribal, state, regional, or federal government or agency applicable to lands within the analysis area for scenic resources.”

Local land use plans to be considered include the Wasco County Comprehensive Plan, Wasco County Land Use and Development Ordinance (WCLUDO), Sherman County Comprehensive Land-use Plan, Sherman County Zoning Ordinance, local comprehensive plans and development codes for jurisdictions within 10 miles of the Facility site boundary. The visual assessment included with the ASC will include proposed mitigation measures, if needed, for significant potential impacts identified through the ASC process.

Recreational Opportunities

The recreational opportunities study area consists of the Facility site boundary plus a surrounding 5-mile buffer (Figure 4), in accordance with OAR 345-001-0010(35)(d). Generally, recreational

activities in the study area consist of camping, cycling, fishing, hiking, horseback riding, hunting, and whitewater rafting (Wasco County 2022a). The activities primarily take place in various locations outside the Facility site boundary. Exhibit T in the ASC will include a specific analysis of the impacts to recreational opportunities within the study area. These recreational opportunities will be evaluated for uniqueness and irreplaceability required by OAR 345-022-0100(1).

Land Use

The study area for land use consists of the area within the Facility site boundary plus a surrounding 0.5-mile buffer in accordance with OAR 345-001-0010(35)(c). As shown in Figure 3, the Facility's site boundary is within Wasco County A-1 zone and Sherman County F-1 zone. Based on a review of the County's overlay zoning information, the Facility site boundary is also within the County's Mineral and Aggregate, Sensitive Wildlife Habitat, and Military Airspace overlay zones (Wasco County 2023). Applicable development standards for these zones and overlay zones will be addressed in Exhibit K of the ASC. In addition, any applicable Sherman County overlay zones will be identified and addressed in Exhibit K of the ASC. Land within the site boundary is currently used for crop cultivation and range land. Impacts to agricultural land will also be further discussed in Exhibit K of the ASC.

Wildfire Risk

The study area for wildfire risk consists of the area within the Facility site boundary plus a surrounding 0.5-mile buffer, in accordance with OAR 345-001-0010(35)(c). The Oregon Wildlife Risk Explorer shows the study area has a high to very high burn probability area. Additionally, average flame lengths for the area generally range from four to eleven feet (ODF 2023). Water trucks will be on-site for dust management and will provide water to support fire control if needed. Exhibit V of the ASC will provide a detailed analysis of the baseline fire risk, seasonal fire risk, heightened risk area, and high fire consequence areas for the study area. The Applicant has commenced coordination with Bakeoven-Shaniko Rural Fire Protection Association and will continue to do so through all stages of Facility development. If necessary, the Facility will develop and implement a Wildfire Mitigation Plan in compliance with OAR 345-022-0115(b).

Exhibit K. Community Service Impacts – OAR 345-020-0011(1)(k)

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

Response:

Pursuant to OAR 345-001-0010(34)(b), the public services study area for impacts listed in OAR 345-022-0110 includes the Facility site boundary plus a surrounding 10-mile buffer. Public services that will be evaluated for potential impacts from the construction and operation of the Facility are listed in OAR 345-020-0011(1)(k) and outlined below:

- Sewers and sewage treatment;
- Water;
- Storm water drainage;
- Solid waste management;
- Housing;
- Traffic safety;
- Police and fire protection;
- Health care; and
- Schools.

Sewers and Sewage Treatment

Sewage treatment in this rural area is limited to on-site septic systems. During construction and operation, sanitary waste will be collected on-site in portable toilets that will be provided and maintained by a licensed subcontractor. The applicant is proposing an O&M building that will contain bathrooms and a kitchenette. A septic system will be necessary to support the building. Required permits to construct the system will be obtained from Wasco County and ODEQ. The septic system will not rely on community services and will not cause significant adverse impacts to community sewer systems.

Water

During construction of the Facility water will primarily be required for concrete mixing for foundations and dust control. Water used during construction is anticipated to be obtained from an existing municipal water source with existing water rights, most likely from Wasco County or Sherman County. Daily water use will vary depending on site conditions and construction activities. Weather in the area each day could affect the amount of water needed for dust control and for specific construction activities.

During construction of the Facility, approximately 90,000 gallons of water is anticipated to be used each day for a variety of activities. Water will be used during operation of the Facility at the O&M building for drinking, kitchen use, showers, toilets, and solar panel washing. The Applicant plans to construct either an exempt well, allowed under ORS 537.545, or obtain water from a municipal water source with existing water rights for the O&M building. Generally, water used during operation of the Facility at the O&M building is anticipated to be less than 5,000 gallons per day and 60,000 gallons annually.

Facility water will be provided by either private wells or public water infrastructure. The Applicant will confirm the anticipated amount of water required for construction and operation in the ASC. Additionally, the Applicant will confirm that the identified sources can meet the Facility's water requirements during construction and a detailed analysis of water use requirements for accessing a private or municipal source will be included. If the water sources are found to be insufficient, the Applicant will seek to obtain water from other licensed providers in nearby cities or from an existing or newly constructed well or wells permitted under a limited water use license.

During Facility construction and operation, water will only be obtained from permitted sources with adequate water rights. Therefore, public water systems will not be adversely affected by construction or operation of the Facility.

Stormwater Drainage

Due to the rural nature of the proposed Facility, there is minimal existing stormwater infrastructure in the area except for existing drainage ditches alongside public roads. Minimal amounts of stormwater runoff are anticipated to be generated during construction and operation of the Facility. Stormwater from access roads and solar panels are anticipated to flow to adjacent ground and infiltrate.

The Applicant will obtain a NPDES 1200-C Permit and will handle stormwater according to the terms of the permit and accompanying Erosion and Sediment Control Plan. Stormwater runoff from the Facility will be managed on site, typically using retention and infiltration systems. These facilities will be located on private land and will not affect the provision of stormwater management services by any public agency. There are no incorporated communities located within the Facility site boundary; therefore, the Facility will have no impact on stormwater drainage services provided in urban areas.

Solid Waste Management

Waste Connections, Inc. and The Dalles Disposal provide solid waste management services to Wasco and Sherman County (Waste Connections Inc. 2023; The Dalles Disposal 2023). Solid waste generated at the Facility will be non-hazardous and generated through construction related activities. Waste materials generated through the construction of the solar array, BESS, and associated infrastructure will consist of scrap metal, concrete waste, and packaging materials. Disposal of this waste will be provided through a private contract with commercial haulers. The Dalles Disposal collects non-hazardous solid waste including trash, cardboard, organics, recycling, construction and demolition debris (The Dalles Disposal 2023). Waste that cannot be recycled or sold for reuse will be disposed of at the Wasco County Landfill, located in The Dalles or the Tri-County Hazardous Waste & Recycling Program in The Dalles (Tri-County 2023).

The O&M building will generate small amounts of solid waste during operation of the Facility. Typical waste will include paper, plastic, and food. Replacement of equipment throughout the lifetime of the Facility will produce scrap metal, solar panels, inverters. As mentioned above, waste that is not recyclable will be disposed of at the Wasco County Landfill or Tri-County Hazardous Waste & Recycling Program. The Applicant will contract with a specific hazardous waste disposal for periodic disposal of lithium batteries from the BESS.

Housing

Construction

The Applicant anticipates a maximum of 162 employees onsite at once and this number will fluctuate due to multiple disciplines of contractors that will need to complete their work simultaneously during the 24-month construction period.

The construction workforce will include a wide variety of specialized workers for certain construction tasks such as solar array and BESS installation. Construction workers hired from outside the local area will need temporary housing. The amount of temporary housing will depend on the percentage of workers hired from outside of the local area. The percentage of the construction workforce that is hired locally will depend on the availability of workers with appropriate skills. This percentage is continually growing due to the number of solar energy projects that are being built in eastern Oregon. For employees hired nonlocally there are several options for temporary housing within a commutable distance to the site, such as The Dalles, Hood River, Dufur, Wasco, Maupin, Warm Springs and Madras. Since a portion of the temporary workers will be hired locally, the Applicant does not anticipate a significant impact on housing within the analysis area. Due to the number of communities in the region workers can choose from for housing, their impact to housing in the immediate vicinity of the Facility will be lessened. Workers from outside the area will benefit local businesses with their patronage for housing, food or other daily needs. In addition, the Applicant is considering options for incorporating temporary

workforce housing and will describe these further in the ASC, if the provision of temporary housing is needed and feasible to provide within the Facility site.

Operations

Two full time employees will work onsite for the 30-year lifetime of the Facility. Preference will be given to local candidates, but some outside contractors may be required who specialize in maintenance tasks. The Applicant does not expect significant impacts to housing in surrounding communities.

Traffic Safety

Primary transportation corridors for the Facility include US 97, US 197, OR 216, and Wasco County and Sherman County local roads (Bakeoven Market Road, Hinton Road, Buckley Road, Duggar Road, and Wilson Road). These primary transportation routes will carry heavy-duty and light-duty delivery vehicles and workforce traffic during construction of the Facility. Heavy duty trucks will generally hold concrete, gravel, and larger materials needed for construction of the Facility. Light-duty trucks typically carry water and electrical equipment. Facility construction may temporarily increase traffic throughout transportation corridors due to the increase in trucks and workforce needed for construction of the Facility. During peak deliveries of equipment and construction operations, up to 35 trucks may visit the site each day. Any improvements to public rights-of-way deemed necessary by the applicable jurisdictions will be completed.

Operation of the Facility is not anticipated to affect transportation corridors in Wasco and Sherman Counties. No trucks are expected to visit the site daily, except during outages or during annual repowering efforts where a peak of 10 trucks would be expected. As previously mentioned, two employees will be working full-time at the Facility. Since the number of permanent employees is relatively low compared to the expected number of workers during construction of the Facility; there will not be significant increases to traffic in the surrounding areas.

Police and Fire Protection

The Facility is within the Bakeoven-Shaniko Rural Fire Protection Association area in Wasco County and the South Sherman RFPD in Sherman County (Wasco County 2022b; WCPD 2022). Fire protection districts will be notified of construction activities, including Facility phasing, location of structures and access roads. The Applicant has commenced coordination with Bakeoven-Shaniko Rural Fire Protection Association to support development of the ASC. The Facility will be equipped with fire protection equipment as required by the Wasco County Land Use and Development Ordinance and Sherman County Zoning Ordinance and the Fire Protection Associations will be notified of the location of this equipment (Wasco County 2022d; Sherman County 2017).

The Wasco County Sheriff's Department, Sherman County Sherriff's Office, and Oregon State Police Department provide police services for Wasco County and Sherman County (Wasco County 2022c;

Sherman County 2023b). The Applicant will work with Wasco County and Sherman County to determine the level of services the Wasco County Sheriff's Department and Sherman County Sheriff's Office will provide to the Facility. Construction and operation of the Facility is not anticipated to increase the demand on police services throughout the Counties and the relatively small number of new temporary and permanent residents is not anticipated to place significant new demands on the providers of police protection in the area.

Health Care

Due to the lower population density near the Facility; hospital and medical centers are located in larger more populated areas. The closest hospitals to the Facility are St. Charles in Madras, OR which is located southwest of the Facility site boundary and Adventist Health Columbia George in The Dalles, OR, located northwest of the Facility site boundary. Both of these facilities provide emergency and surgical services (Google Maps 2023).

Wasco County provides three ambulance services throughout the County (CountyOffice.org 2023). These include Dufur Ambulance in Dufur, OR and two locations in Maupin for the South Wasco County Ambulance of Maupin. These ambulance services offer emergency and non-emergency medical transport for patients going to hospitals, medical centers, and other health care facilities in Wasco County, OR. Additionally, Sherman County Ambulance Service provides ambulance services to Sherman County. According to Sherman County's FAQ page, the Sherman County Ambulance Service has one Registered Nurse, 16 Emergency Medical Technicians, two Emergency Medical Technician-Intermediates, seven Emergency Medical Responders, and three Certified Drivers (Emergency Services 2023). This ambulance service would be used take patients to the closest hospital in the event of an emergency.

Schools

There are three school districts and 10 schools within Wasco County. The Dufur School District No. 29 is Pre-K-12 and is one school with 356 students (Dufur School District 2023; Niche 2023a). North Wasco County School district is the largest district with a total of seven schools and serves approximately 3,000 students in grades K-12 (NWCSO 2023). Lastly, South Wasco County School District No 1. is comprised of three schools that offer K-12 and serve approximately 225 student's total (SWCSO 2023; Niche 2023b). The Facility is primarily within the South Wasco County School District, excluding the alternate generation-tie line that crosses into Sherman County and is within the Sherman County School District. Sherman County School (a grade school, junior/senior high school and athletic complex) and Sherman Preschool service all of Sherman County (Sherman County 2023a). It is anticipated that during construction of the Facility, school student populations might increase slightly depending on the amount of non-locally hired employees the Facility has. The Applicant does not expect permanent student increases from construction of the Facility. Therefore, construction and operation of the Facility is not anticipated to have a significant or negative impact on school systems in Wasco or Sherman County.

Exhibit L. Protected Areas – OAR 345-020-0011(1)(I)

(L) Exhibit L. A list of all protected areas in the study area for impacts to protected areas identifying:

(A) The distance and direction of the protected area from the proposed facility;

(B) The basis for protection of the area, by reference to a specific subsection of OAR 345-001-0010(26); and

(C) The name, mailing address, phone number, and email address of the land management agency or organization with jurisdiction over the protected area;

Response:

The protected areas study area is the Facility site boundary plus a surrounding 20-mile buffer (Figure 5), in accordance with OAR 345-001-0010(35)(e). Protected areas are defined and listed in OAR 345-001-0010(26). Table L-1 lists known protected areas within the study area, which are shown on Figure 5. Exhibit L of the ASC will include more detailed analysis of the potential impacts to protected areas.

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Table L-1. Protected Areas Inventory

Protected Areas within 20 Miles of Facility Site Boundary		Distance to Facility Site Boundary (miles)	Direction from Facility	Agency Contact Information	Data Source
Type	Area Name				
National Park or other unit of the National Park System OAR 345-001-0010(26)(a)	None	N/A	N/A	N/A	Confirmed none via USGS Protected Areas Database of the United States (PADUS 2023)
National Monument OAR 345-001-0010(26)(b)	None	N/A	N/A	N/A	Confirmed none via USGS Protected Areas Database of the United States (PADUS 2023)
Wilderness Area OAR 345-001-0010(26)(c)	None	N/A	N/A	N/A	Confirmed none via USGS Protected Areas Database of the United States (PADUS 2023)
Wild, Scenic, or Recreational River included in the National Wild and Scenic River System OAR 345-001-0010(26)(d)	White Wild and Scenic River	14	West	BLM - Oregon/Washington State Office Prineville District Office 3050 NE 3rd Street Prineville, OR 97754 541-416-6700 BLM_OR_PR_Mail@blm.gov	Confirmed via USGS Protected Areas Database of the United States (PADUS 2023) and National Wild and Scenic River Lines (USFS 2022)
	Lower Deschutes Wild and Scenic River	9	Southwest, West and North		
	John Day Wild and Scenic River	14	East		
National Wildlife Refuge included in the National Wildlife Refuge System OAR 345-001-0010(26)(e)	None	N/A	N/A	N/A	Confirmed none via USGS Protected Areas Database of the United States (PADUS 2023)
National Fish Hatcheries OAR 345-001-0010(26)(f)	None	N/A	N/A	N/A	Confirmed none via U.S. Fish and Wildlife Service – Visit National Fish Hatcheries (USFWS 2023).
National Recreation area, National Scenic area, or Special Resources Management Unit OAR 345-001-0010(26)(g)	None	N/A	N/A	N/A	Confirmed none via USGS Protected Areas Database of the United States (PADUS 2023)
Wilderness Study Area OAR 345-001-0010(26)(h)	Lower John Day Wilderness Study Area	16	Northeast	BLM - Oregon/Washington State Office Prineville District Office 3050 N.E. 3rd Street Prineville, OR 97754 541-416-6700 BLM_OR_PR_Mail@blm.gov	Confirmed via USGS Protected Areas Database of the United States (PADUS 2023)
	Thirtymile Wilderness Study Area	15	East		
	North Pole Ridge Wilderness Study Area	13	East		
Land designated in a federal land management plan or by an act of Congress as (includes Areas of Critical Environmental Concern, Outstanding Natural Areas, Research Natural Areas, Experimental Forests or Ranges, and Special Interest Areas)					
Area of Critical Environmental Concern OAR 345-001-0010(26)(i)(A)	Armstrong Canyon	17	East	BLM - Oregon/Washington State Office Prineville District Office 3050 N.E. 3rd Street Prineville, OR 97754 541-416-6700 BLM_OR_PR_Mail@blm.gov	Confirmed via BLM Oregon Areas of Critical Environmental Concern (BLM 2023a).

Protected Areas within 20 Miles of Facility Site Boundary		Distance to Facility Site Boundary (miles)	Direction from Facility	Agency Contact Information	Data Source
Type	Area Name				
Outstanding Natural Area OAR 345-001-0010(26)(i)(B)	None	N/A	N/A	N/A	Confirmed none via USGS Protected Areas Database of the United States (PADUS 2023) and BLM website (BLM 2023b).
Research Natural Area OAR 345-001-0010(26)(i)(C)	None	N/A	N/A	N/A	Confirmed none via USGS Protected Areas Database of the United States (PADUS 2023)
Experimental Forest or Range OAR 345-001-0010(26)(i)(D)	None	N/A	N/A	N/A	Confirmed none via USGS Protected Areas Database of the United States (PADUS 2023) and BLM website (BLM 2023b).
Special Interest Area designated for scenic, geologic, botanic, zoologic, paleontological, archaeological, historic, or recreational values, or combinations of these values OAR 345-001-0010(26)(i)(E)	None	N/A	N/A	N/A	Confirmed none via USGS Protected Areas Database of the United States (PADUS 2023) and BLM website (BLM 2023b).
State park, wayside, corridor, monument, historic, or recreation area under the jurisdiction of the Oregon Parks and Recreation Department OAR 345-001-0010(26)(j)	Deschutes River State Recreation Area	18	North	OPRD 725 Summer Street NE, Suite C Salem, OR 97301 (800) 551-6949 park.info@oregon.gov	Confirmed via Oregon Parks and Recreation Department State Parks database (OPRD 2014).
	White River Falls State Park	10	Northwest		
Willamette River Greenway OAR 345-001-0010(26)(k)	None	N/A	N/A	N/A	Confirmed none via Oregon Parks and Recreation Department State Parks database (OPRD 2014).
Natural area listed in the Oregon Register of Natural Areas OAR 345-001-0010(26)(l)	Tygh Valley State Natural Area	10	West	NR-Corvallis (headquarters) Oregon State University 234 Strand Hall 170 SW Waldo Place Corvallis, OR 97331-8680 (541) 737-9918 inr@oregonstate.edu	Confirmed via Oregon Natural Area Plan of 2020 (ORBIC 2020).
	Lawrence Memorial Grassland Natural Area	11	South		
South Slough National Estuarine Research Reserve OAR 345-001-0010(26)(m)	None	N/A	N/A	N/A	Confirmed none via Oregon Natural Area Plan of 2020 (ORBIC 2020).
State Scenic Waterway OAR 345-001-0010(26)(n)	Lower Deschutes River State Scenic Waterway	12	North	Oregon Parks and Recreation Department 725 Summer Street NE, Suite C Salem, OR 97301 (503) 986-0707 park.info@oregon.gov	Confirmed via USGS Protected Areas Database of the United States (PADUS 2023) and Oregon Parks and Recreation Department State Parks database (OPRD 2014).
	John Day River State Scenic Waterway	16	East		

Protected Areas within 20 Miles of Facility Site Boundary		Distance to Facility Site Boundary (miles)	Direction from Facility	Agency Contact Information	Data Source
Type	Area Name				
State Wildlife Refuge or Management Area OAR 345-001-0010(26)(o)	White River	16	West	ODFW 4034 Fairview Industrial Drive SE Salem, OR 97302 (503) 947-6000 https://myodfw.com/white-river-wildlife-area-visitors-guide	Confirmed via Oregon Department of Fish and Wildlife, Wildlife Areas Data Clearinghouse (ODFW 2022).
	Lower Deschutes Wildlife Management Area	10	North and Northwest	ODFW 4034 Fairview Industrial Drive SE Salem, OR 97302 (503) 947-6000 https://myodfw.com/lower-deschutes-wildlife-area-visitors-guide	
Fish hatchery operated by the Oregon Department of Fish and Wildlife OAR 345-001-0010(26)(p)	Oak Springs Hatchery	9	Northwest	ODFW 4034 Fairview Industrial Drive SE Salem, OR 97302 (503) 947-6000	Confirmed via Oregon Department of Fish and Wildlife - Natural Resources Information Management Program - Hatchery Data (ODFW 2014).
Agricultural experiment station, experimental area, or research center established by Oregon State University OAR 345-001-0010(26)(q)	None	N/A	N/A	N/A	Reviewed using OSU website and PDF maps (OSU 2022).
Research forest established by Oregon State University OAR 345-001-0010(26)(r)	None	N/A	N/A	N/A	Reviewed using OSU website and PDF maps (OSU 2023).

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Exhibit M. Water Sources and Use – OAR 345-020-0011(1)(m)

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

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

Response:

Information regarding the anticipated water use during construction and operation of the proposed Facility is described below.

Construction

As previously mentioned, water needed for construction of the Facility will be obtained from wells or an existing municipal water source with valid water rights. The Applicant anticipates that water will be obtained from Wasco County or Sherman County. If sufficient water is not available from these sources, the Applicant may apply to the Oregon Water Resources Department for a limited water use license, to allow either a new well or use of an existing well for Facility construction water (Water Resources Department 2023).

The main drivers of water use during construction are dust control and concrete mixing. Water needed for these activities will be trucked in from the municipal water source, directly to the site. The Applicant will include the anticipated amount of water needed for construction of the Facility in the ASC. Additionally, it will be confirmed if the local municipality is able to provide the specific amount of water and services. The amount of water needed for construction will vary due to the weather and construction schedule for the Facility. The ASC will include a detailed analysis of water requirements for the Facility.

Operation

The O&M building will be the main driver of water use during operation of the Facility. Water will be used for the kitchen, drinking, showers, and toilets. Additionally, water will be used for washing solar panels once a year. If water is not available from an existing well or nearby municipality, the Applicant will construct an exempt on-site well allowed under ORS 537.545. Generally, water used during operations is expected to be under 5,000 gallons per day.

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

Response:

At this time, it is not anticipated that the Facility will require new water rights.

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

Response:

The Facility is a solar photovoltaic power generation facility. No cooling water is required for operation.

Exhibit N. Carbon Dioxide Emissions – OAR 345-020-0011(1)(n)

(n) Exhibit N. If the proposed facility would emit carbon dioxide, an estimate of the gross carbon dioxide emissions that are reasonably likely to result from the operation of the facility and a statement of the means by which the applicant intends to comply with the applicable carbon dioxide emissions standard under OAR 345-024-500.

Response:

The Facility will not emit carbon dioxide. Therefore, these rules are not applicable.

Exhibit O. Evaluation of Statutes, Rules, and Ordinances – OAR 345-020- 0011(1)(o)

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

Response:

The applicable state statutes, administrative rules and ordinances are listed below in Table O-1. These statutes, rules, and local ordinances contain standards or criteria that must be met by the Applicant for EFSC to issue a site certificate beyond what is listed in Exhibit E. The Applicant does not anticipate problems in meeting specific requirements.

Table O-1. Statutes, Rules, and Ordinances Containing Relevant Standards or Criteria

Department	Legal Citation	Agency Address
Oregon Department of Agriculture	OAR 345-022-0070 Threatened and Endangered Species Plant Conservation Biology Program— ORS 564.105; OAR Chapter 603, Division 73-0070	Oregon Department of Agriculture 635 Capitol Street NE Salem, OR 97301 (503) 986-4550
Oregon Department of Fish and Wildlife	OAR 345-022-0060 Fish and Wildlife Habitat and OAR 345-022-0070 Threatened and Endangered Species Habitat Conservation - ORS 496.172(2); OAR Chapter 635, Divisions 100 and 415	Oregon Department of Fish and Wildlife The Dalles Fish Screens and Field Office 3561 Klindt Dr The Dalles, OR 97058 (541) 296-8026
Oregon Water Resources Department – Water Rights Division	OAR 345-022-0020 General Standard of Review ORS Chapters 537, 540; OAR Chapter 690	Oregon Water Resources Department Water Rights Section, District 3 2705 E 2nd Street The Dalles, OR 97058 (541)-506-2652
Oregon Department of State Lands	OAR 345-022-0020 General Standard of Review OAR Chapter 141	Oregon Department of State Lands 1645 NE Forbes Rd., Suite 112 Bend, OR 97701 (541)-388-6112

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Department	Legal Citation	Agency Address
ODEQ – Water Quality & Stormwater Control	OAR 345-022-0022 Soil Protection ORS 468 and 468B; OAR Chapter 340, Divisions 41, 45, and 55	Oregon Department of Environmental Quality 400 E. Scenic Drive, Suite 307 The Dalles, OR 97058 (541)-298-7255
ODEQ—Noise	OAR 345-022-0020 General Standard of Review ORS 467; OAR Chapter 340, Division 35	Oregon Department of Environmental Quality 811 SW Sixth Avenue Portland, OR 97204-1390 (503) 229-5696
ODEQ—Hazardous Waste Management	OAR 345-022-0120 Waste Minimization ORS 465 and 466; OAR Chapter 340, Divisions 100-122	Oregon Department of Environmental Quality 811 SW Sixth Avenue Portland, OR 97204-1390 (503) 229-5696
ODEQ—Solid Waste	OAR 345-022-0120 Waste Minimization ORS 459; OAR Chapter 340, Division 93	Oregon Department of Environmental Quality 811 SW Sixth Avenue Portland, OR 97204-1390 (541) 298-7255 ext. 221 (Eastern Region)
Oregon Department of Geology and Mineral Industries	OAR 345-022-0020 Structural Standard OAR Chapter 632, Division 1	Oregon Department of Geology and Mineral Industries 800 NE Oregon Street, Suite 965 Portland, OR 97232 (971) 673-1555
Oregon Parks and Recreation Department, State Historic Preservation Office —Archaeological	OAR 345-022-0090 Historic, Cultural and Archaeological Resources Native American Graves and Protected Objects—ORS 97.740-97.760 Archaeological Objects and Sites—ORS 358.90-358.955 Permit and Conditions for Excavation or Removal of Archaeological or Historical Materials on Private Lands (OAR 736-051-0090)	State Historic Preservation Office 725 Summer Street NE, Suite C Salem, OR 97301 (503) 986-0690
Oregon Office of State Fire Marshal—Emergency Planning and Community Right to Know Act	OAR 345-022-0115 Wildfire Prevention and Risk Mitigation ORS 453; OAR Chapter 837, Divisions 85 and 95; Fire and Life Safety Regulations, OAR 837, Division 40	Oregon Office of State Fire Marshal 3991 Fairview Industrial Dr SE Salem, OR 97302 (503) 378-3473
Oregon Office of State Fire Marshal	OAR 345-022-0115 Wildfire Prevention and Risk Mitigation 2019 Oregon Fire Code; OAR Chapter 837, Division 40	Oregon Office of State Fire Marshal 3991 Fairview Industrial Dr SE Salem, OR 97302 (503) 378-3473

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Department	Legal Citation	Agency Address
Oregon Department of Land Conservation and Development	OAR 345-022-0030(2) and (3) Land Use Oregon Statewide Planning Goals, applicable sections of OAR Chapter 660, applicable substantive criteria of the Linn County Comprehensive Plan and land use ordinances, and any exceptions to the same may be granted by the Council under OAR 345-022-0030(4).	Department of Land Conservation and Development 635 Capitol Street NE, Suite 150 Salem, OR 97301 (503) 373-0050
Wasco County Planning Department – Land Use ¹	OAR 345-022-0030(2)(a) Land Use Wasco County Land Use and Development Ordinance	Wasco County Planning Department 2705 East 2 nd Street The Dalles, OR 97058 (541) 506-2560
Sherman County Planning Department	OAR 345-022-0030(2)(a) Land Use Sherman County Zoning Ordinance	Sherman County Planning Department 66365 Lonerock Road Moro, OR 97039 (541)-565-3601

Exhibit P. Schedule for Application for Site Certificate – OAR 345-020-0011(1)(p)

(p) Exhibit P. A schedule stating when the applicant expects to submit a preliminary application for a site certificate.

Response:

The Applicant intends to submit the NOI and Preliminary ASC according to the schedule shown in Table P-1.

Table P-1. Proposed Schedule for Application for Site Certificate Submittal

Activity	Anticipated Date
Applicant submits the NOI to ODOE	September 2023
EFSC reviews the NOI, distributes public notice, conducts public information meeting as needed, facilitates comment period, and issues Project Order	September – November 2023
Applicant submits Preliminary ASC to ODOE	December 2023

Exhibit Q. Evidence of Consultation with State Commission on Indian Services – OAR 345-020-0011(1)(q)

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

Response:

The Applicant submitted a letter to the Oregon Legislative Commission on Indian Services to identify appropriate tribes to contact regarding possible effects of the Facility on Indian historic and cultural resources. On July 7, 2023, the Legislative Commission provided a letter identifying the Burns Paiute Tribe, the Confederated Tribes of the Umatilla Indian Reservation, the Confederated Tribes of Grand Ronde, the Confederated Tribes of Siletz, and the Confederated Tribes of Warm Springs Reservation as tribal governments that should be notified (Attachment 3).

References

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Figures

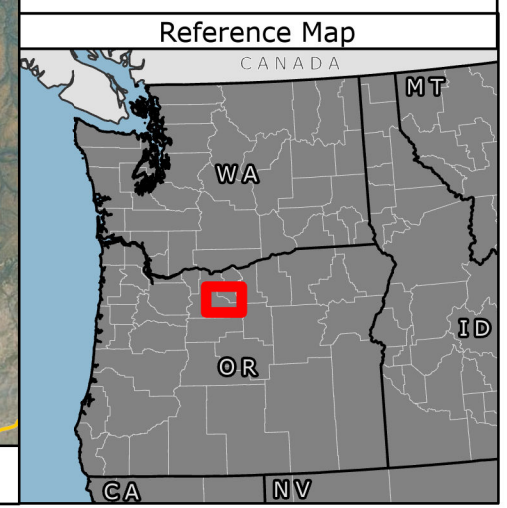
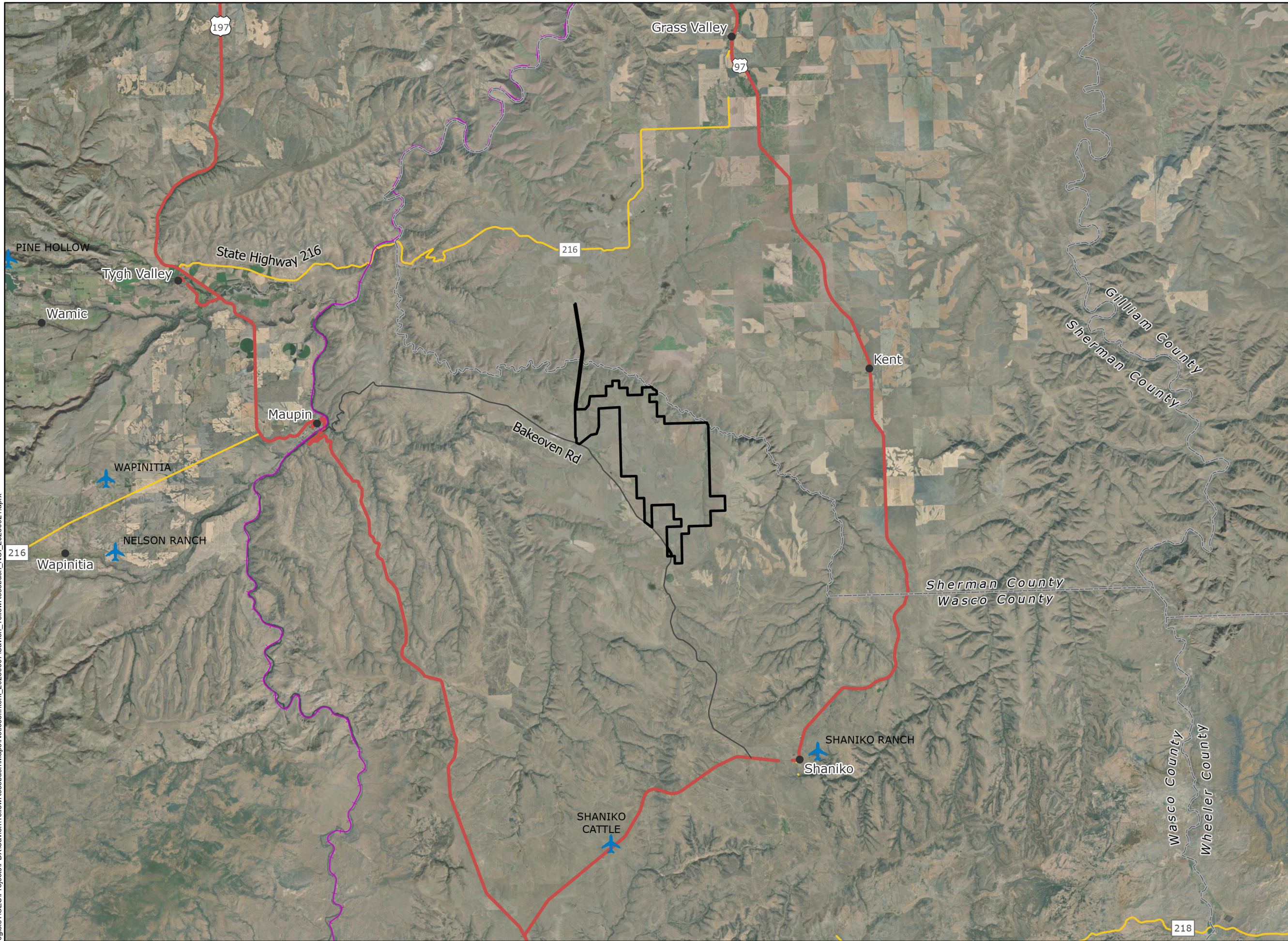
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Yellow Rosebush Energy Center

Figure 1 Site Vicinity

SHERMAN AND WASCO COUNTY, OR

-  Proposed Site Boundary
-  City/Town
-  County Boundary
-  US Highway
-  State Highway
-  County Road
-  Airfields
-  Railroads
















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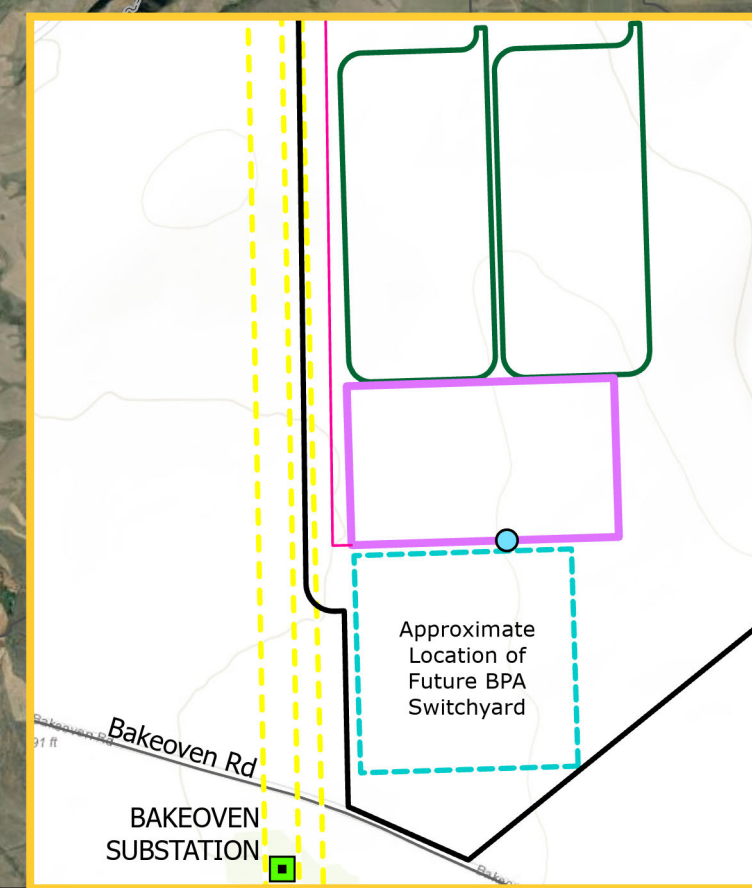
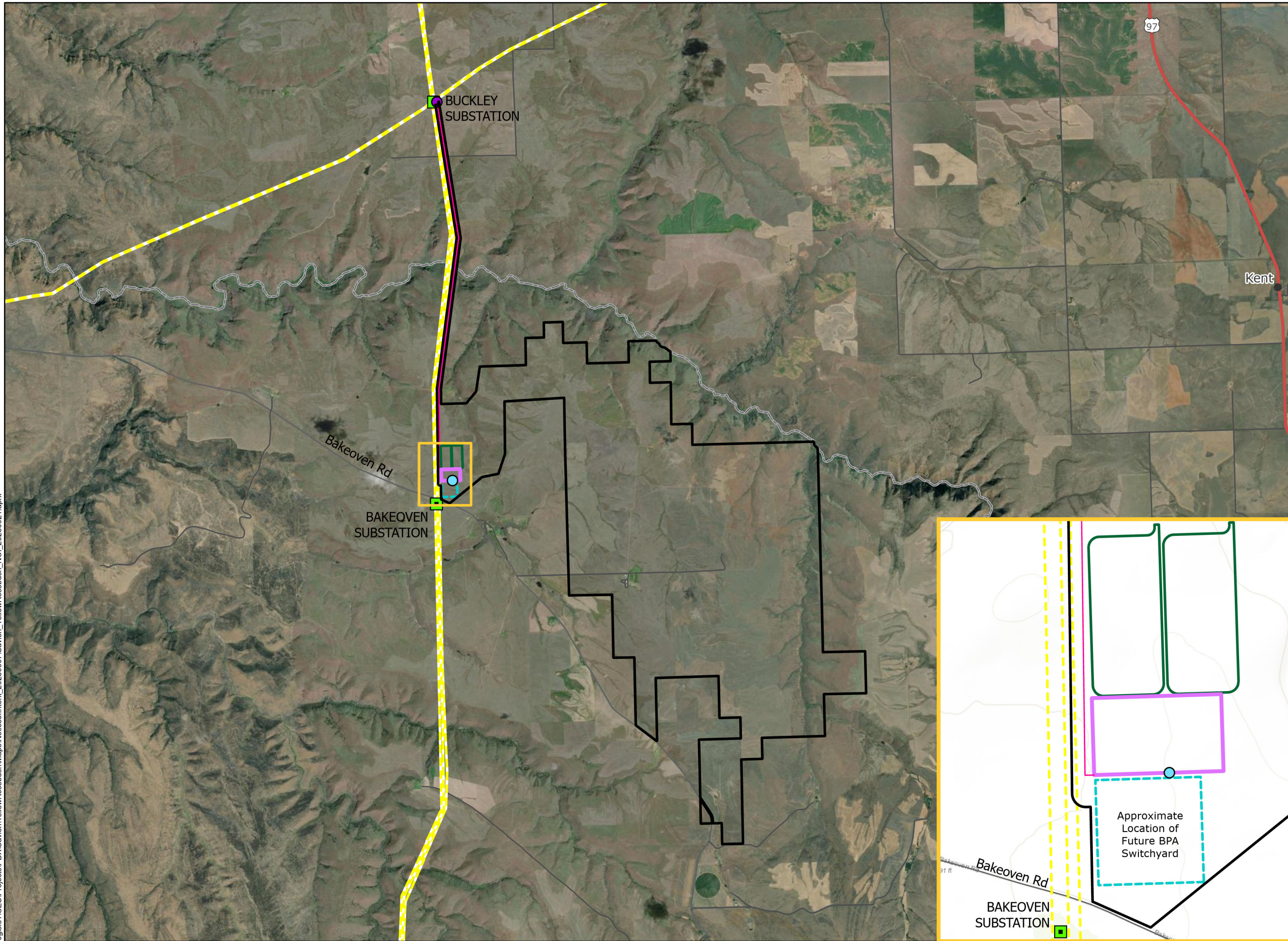
Figure 2 Facility Site Overview

SHERMAN AND WASCO COUNTIES, OR

-  Proposed Site Boundary
- Proposed Facility Components**
-  Collector Substation
-  Battery Energy Storage System
-  Point of Interconnect
-  Point of Interconnect (Alternate)
-  Generation-tie Line (Alternate)
- Existing Transmission Infrastructure**
-  Transmission Line 500-kV
-  Substation
-  City/Town
-  US Highway
-  Local Roads
-  County Boundary
- Proposed BPA Component**
-  Switchyard



Reference Map



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Yellow Rosebush Energy Center

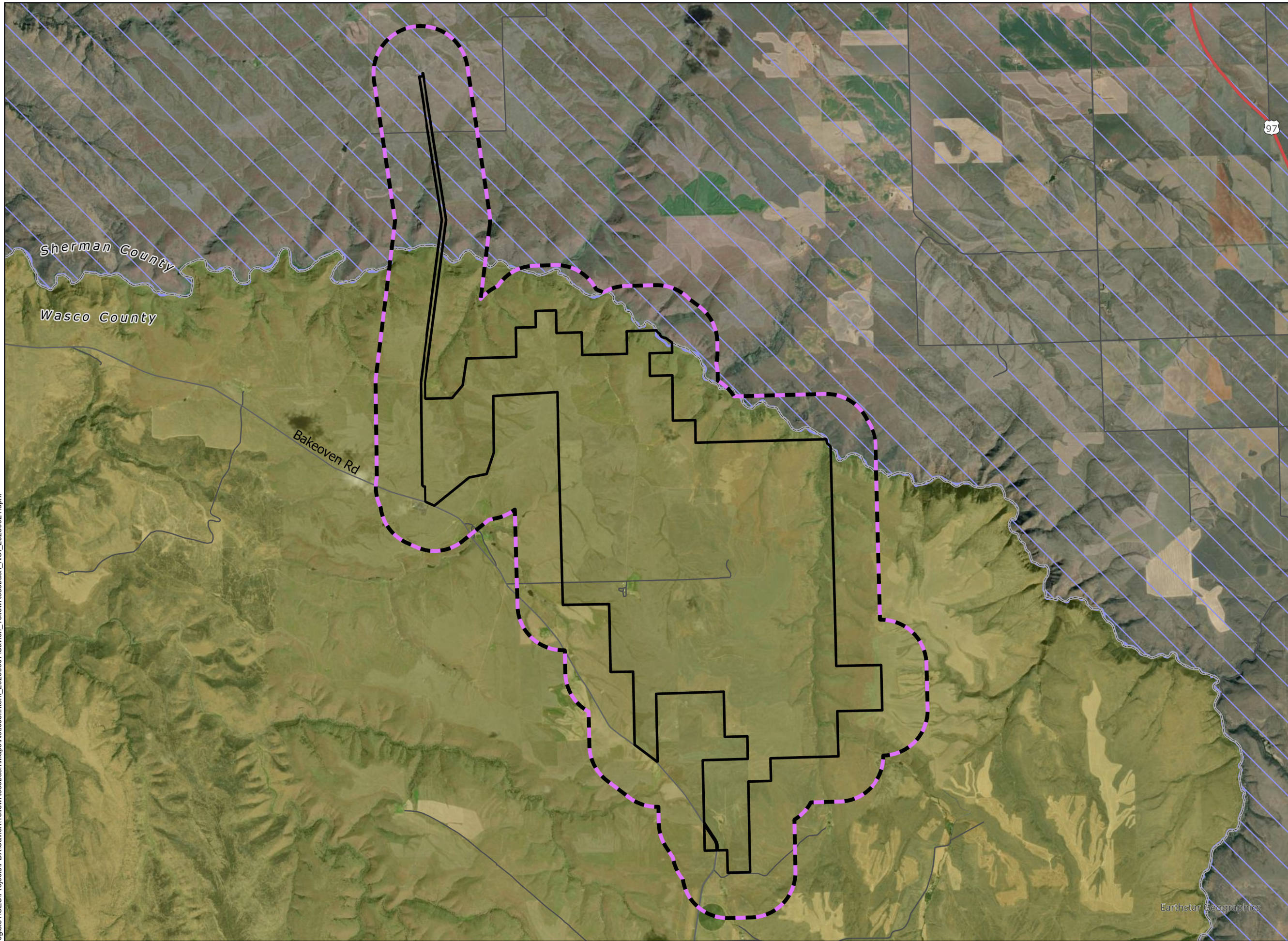
Figure 3 Zoning

SHERMAN AND WASCO COUNTIES, OR

- Proposed Site Boundary
- Study Area (0.5-mile Buffer)
- Wasco County Zoning
 - Exclusive Farm Use (A-1)
- Sherman County Zoning
 - Exclusive Farm Use (F-1)
- County Boundary
- US Highway
- Local Roads



Reference Map

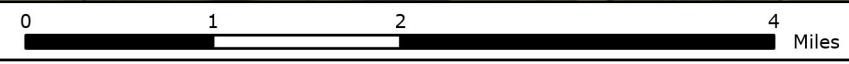


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WGS 1984 UTM Zone 10N












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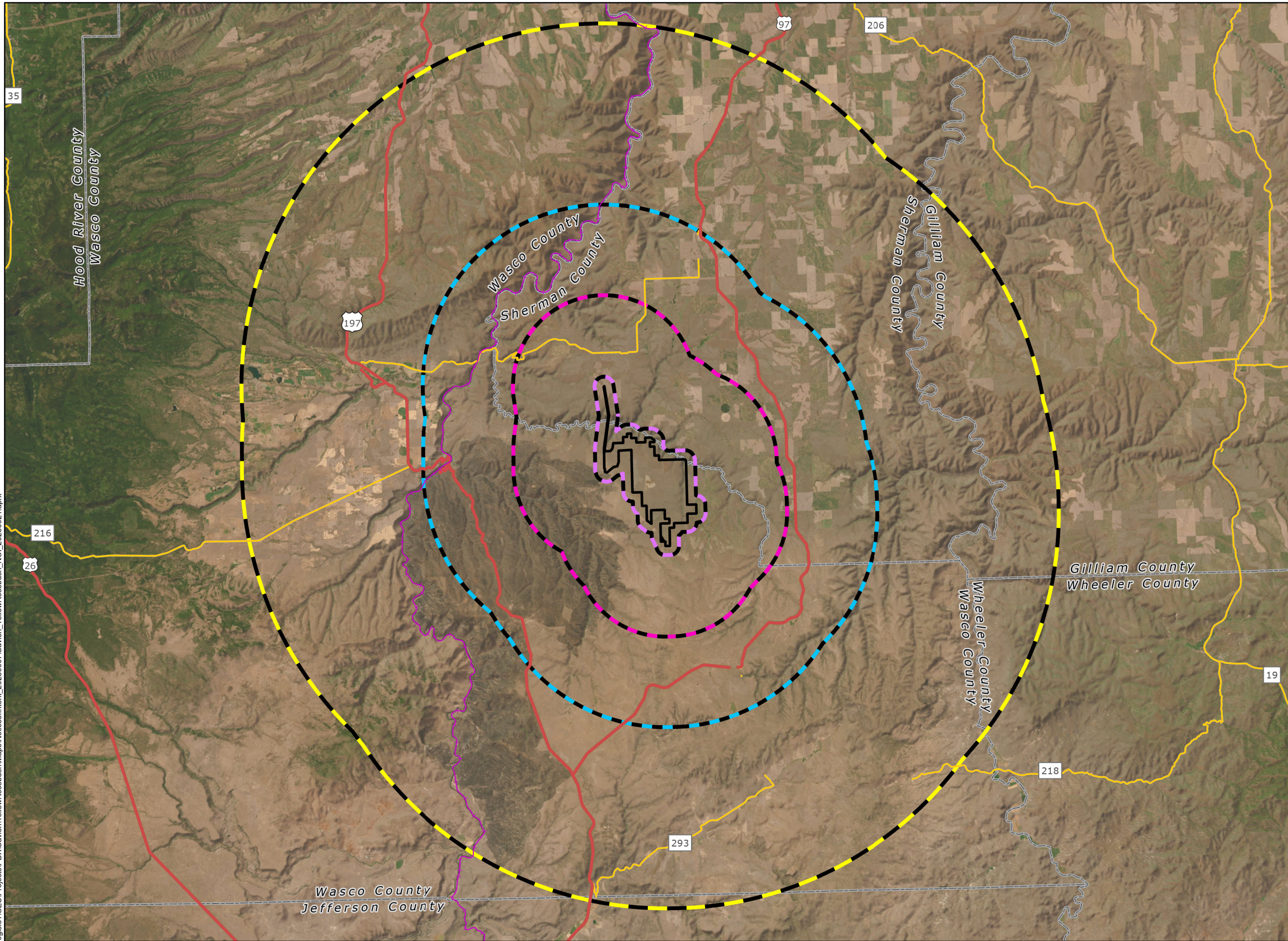
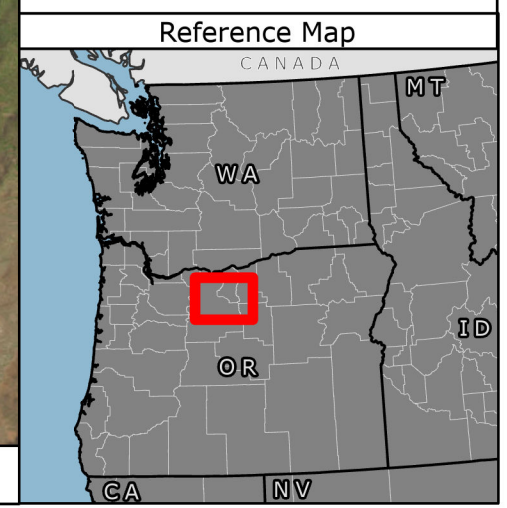
Earthstar Geographics

Yellow Rosebush Energy Center

Figure 4 Study Area Boundaries

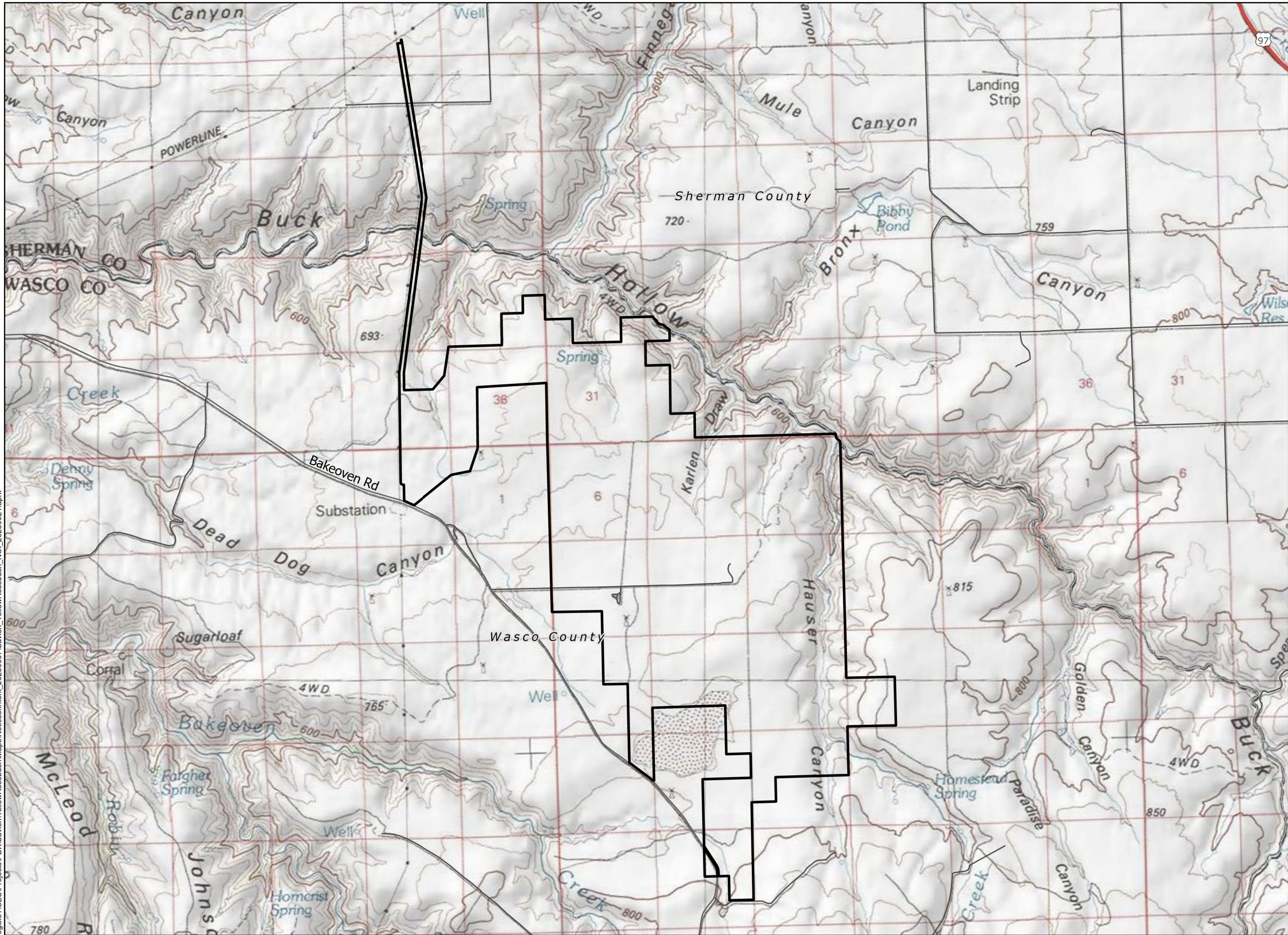
SHERMAN AND
WASCO COUNTIES, OR

-  Proposed Site Boundary
- Study Area Boundaries
-  0.5 miles: Land Use; Wildfire Risk; Fish and Wildlife Habitat
-  5 miles: Recreational Opportunities; Threatened and Endangered Plant and Animal Species
-  10 miles: Scenic Resources and Public Services
-  20 miles: Protected Areas
-  County Boundary
-  US Highway
-  State Highway
-  Railroads



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Yellow Rosebush Energy Center

Figure 5 Topography

SHERMAN AND WASCO COUNTIES, OR

-  Proposed Site Boundary
-  County Boundary
-  US Highway
-  Local Roads



Reference Map








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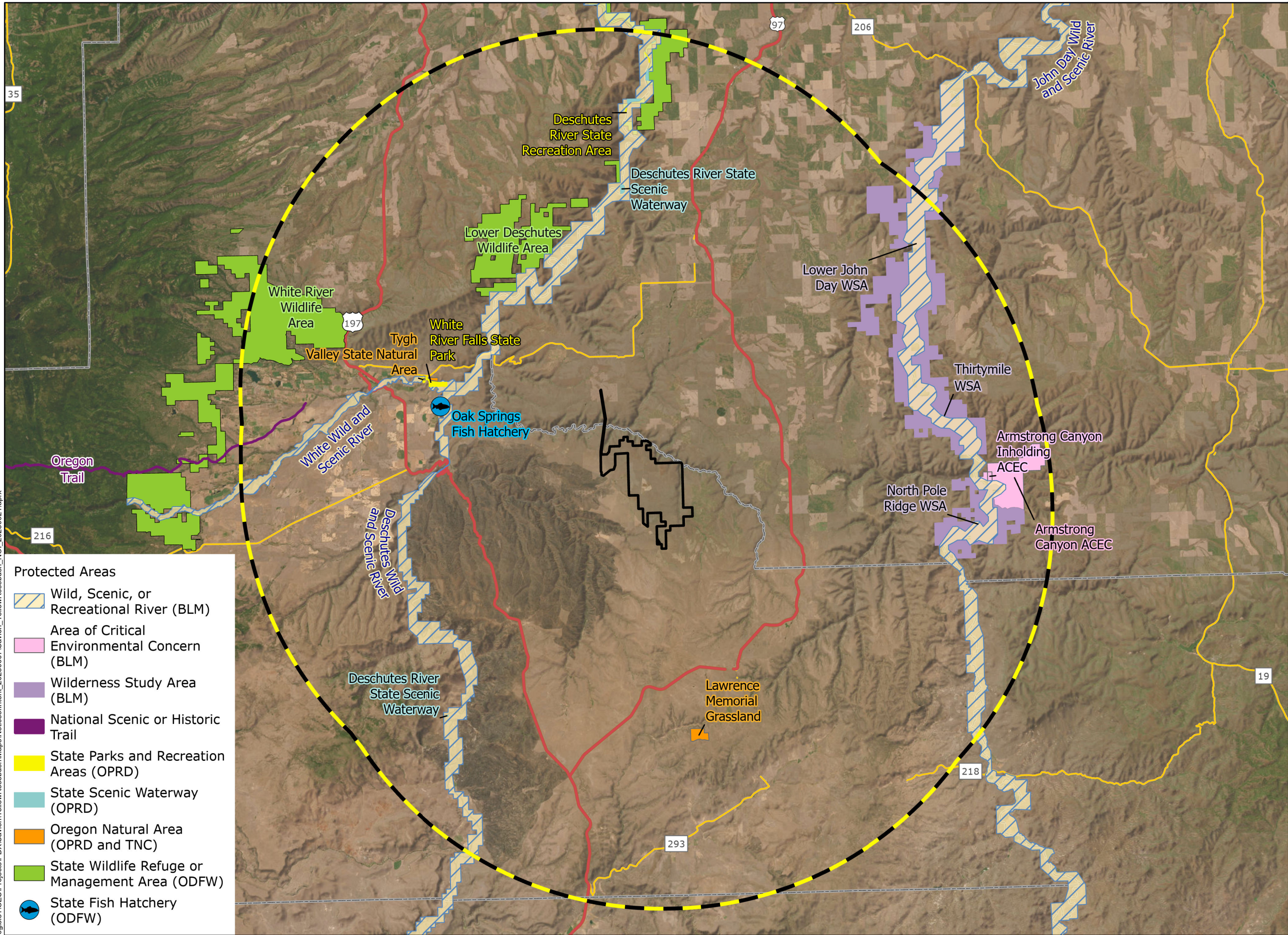
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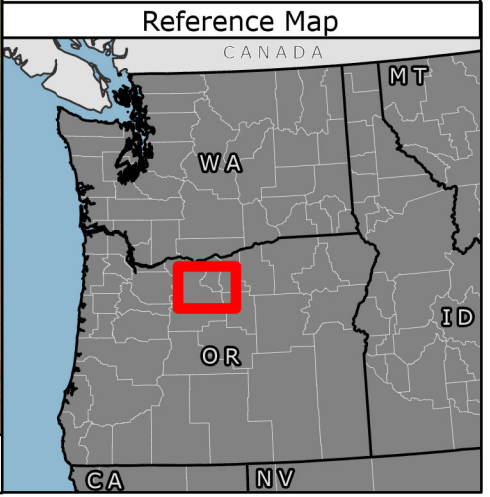
Figure 6 Protected Areas

SHERMAN AND WASCO COUNTIES, OR

-  Proposed Site Boundary
-  Study Area (20-mile Buffer)
-  County Boundary
-  US Highway
-  State Highway



- Protected Areas**
-  Wild, Scenic, or Recreational River (BLM)
 -  Area of Critical Environmental Concern (BLM)
 -  Wilderness Study Area (BLM)
 -  National Scenic or Historic Trail
 -  State Parks and Recreation Areas (OPRD)
 -  State Scenic Waterway (OPRD)
 -  Oregon Natural Area (OPRD and TNC)
 -  State Wildlife Refuge or Management Area (ODFW)
 -  State Fish Hatchery (ODFW)



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Yellow Rosebush Energy Center

Figure 7 National Wetlands Inventory and National Hydrography Data

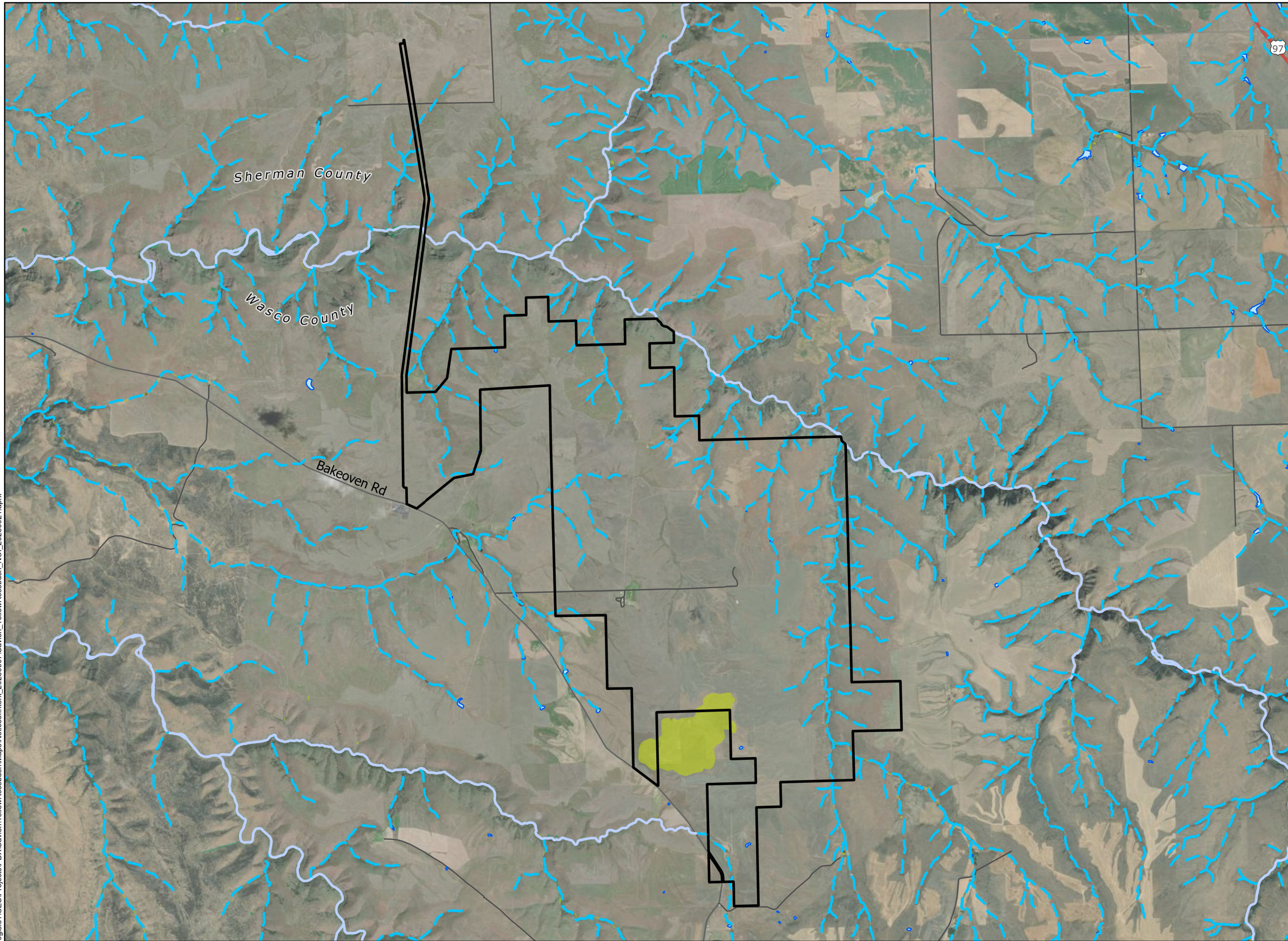
SHERMAN AND
WASCO COUNTIES, OR

- Proposed Site Boundary
- Waters (NHD)
 - Intermittent Stream
 - Perennial Stream
 - Lake/Pond
- Wetlands (NWI)
 - Freshwater Emergent Wetland
 - Freshwater Forested/Shrub Wetland
 - Freshwater Pond
 - Riverine
- County Boundary
- US Highway
- Local Roads

*FEMA Special Flood Hazard Areas digital data not available for this area



Reference Map



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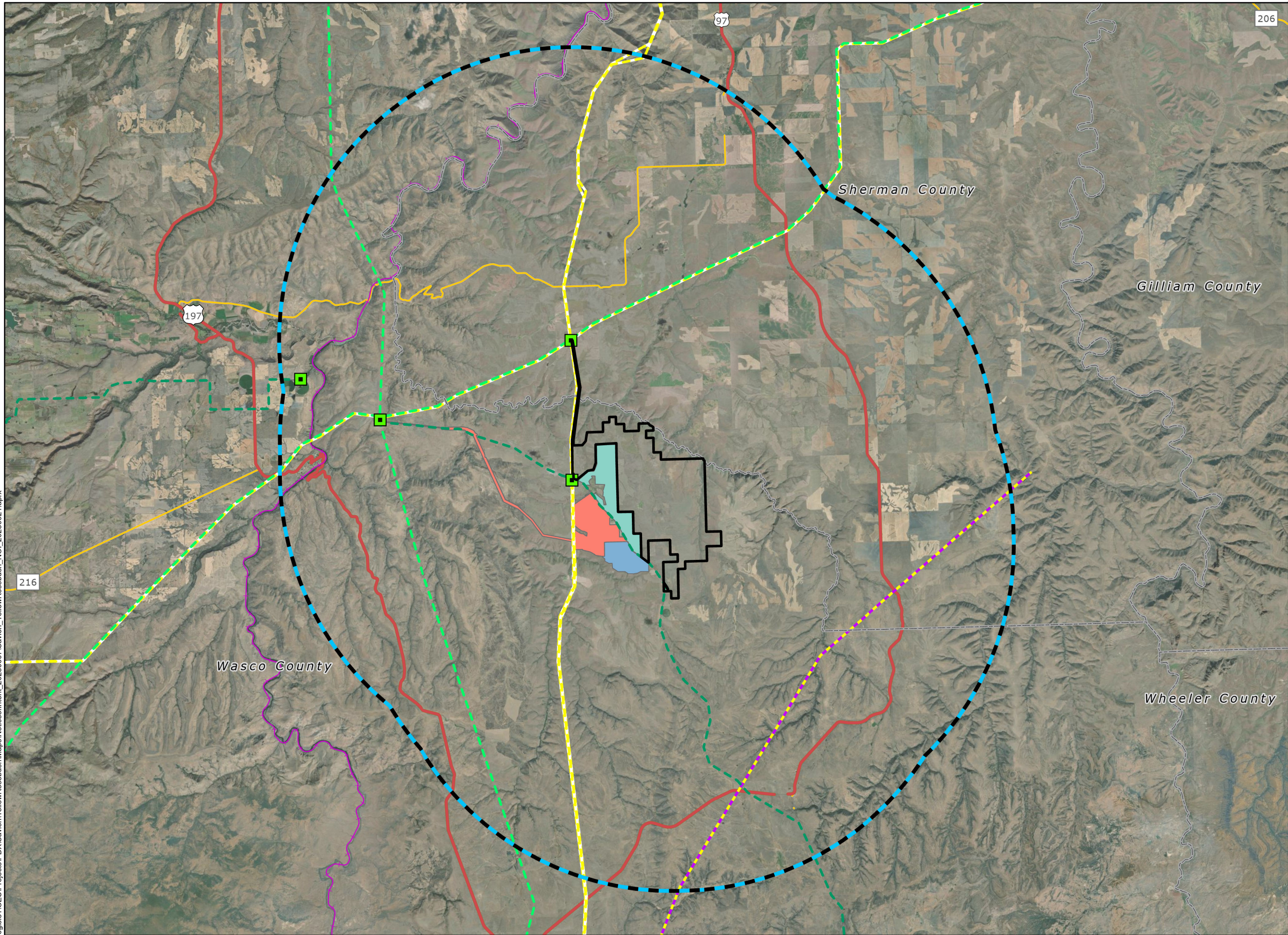
Figure 8 Energy Facilities

WASCO COUNTY, OR

- Proposed Site Boundary
- Study Area (10-mile Buffer for Public Services)
- Energy Facilities
 - Bakeoven Solar Project
 - Daybreak Solar Project
 - Sunset Solar Project
- Existing Energy Infrastructure
 - Transmission Line 500 kV
 - Transmission Line 220-287 kV
 - Transmission Line 100-161 kV
 - Natural Gas Pipeline
 - Substation
- County Boundary
- US Highway
- State Highway
- Railroads



Reference Map

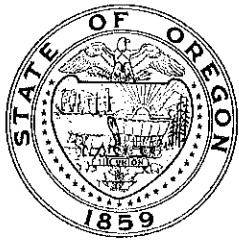


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Attachment 1. Articles of Organization

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ATTACHMENT 1

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

Phone: (503) 986-2200
FAX: (503) 378-4381
sos.oregon.gov/business

REGISTRY NUMBER: 199605990
TYPE: FOREIGN LIMITED LIABILITY COMPANY

Next Renewal Date: 7/25/2023

YELLOW ROSEBUSH ENERGY CENTER, LLC
422 ADMIRAL BLVD
KANSAS CITY MO 64106

Acknowledgment Letter

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

DOCUMENT	FILED ON	STATUS
APPLICATION FOR AUTHORITY	7/25/2022	ACTIVE

NAME
YELLOW ROSEBUSH ENERGY CENTER, LLC

JURISDICTION
DELAWARE

PRINCIPAL PLACE OF BUSINESS
422 ADMIRAL BLVD
KANSAS CITY, MO 64106

REGISTERED AGENT
CORPORATION SERVICE COMPANY
1127 BROADWAY ST NE STE 310
SALEM, OR 97301

MAILING ADDRESS
422 ADMIRAL BLVD
KANSAS CITY, MO 64106

Delaware

Page 1

The First State

I, JEFFREY W. BULLOCK, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY THE ATTACHED IS A TRUE AND CORRECT COPY OF THE CERTIFICATE OF FORMATION OF "YELLOW ROSEBUSH ENERGY CENTER, LLC", FILED IN THIS OFFICE ON THE THIRTEENTH DAY OF JULY, A.D. 2022, AT 11:38 O`CLOCK A.M.




Jeffrey W. Bullock, Secretary of State

6909881 8100
SR# 20222976256

Authentication: 203906507
Date: 07-13-22

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

State of Delaware
Secretary of State
Division of Corporations
Delivered 11:38 AM 07/13/2022
FILED 11:38 AM 07/13/2022
SR 20222976256 - File Number 6909881

CERTIFICATE OF FORMATION
OF

YELLOW ROSEBUSH ENERGY CENTER, LLC

The undersigned, for the purpose of forming a limited liability company under the Delaware Limited Liability Company Act, 6 Del. § 18-101, et seq. (the “Act”), as amended and supplemented, hereby adopts the following Certificate of Formation:

ARTICLE 1 – NAME

The name of the limited liability company (the “Company”) is Yellow Rosebush Energy Center, LLC.

ARTICLE 2 – REGISTERED OFFICE AND REGISTERED AGENT

The address, including street, number, city, and county, of the registered office of the Company in the State of Delaware is: 251 Little Falls Drive, Wilmington, Delaware 19808, County of New Castle. The name of the Company’s resident agent at such address is: Corporation Service Company

The Undersigned hereby declares, under penalty of perjury, according to the laws of Delaware, that the foregoing is true and correct.

Dated: July 13, 2022

DocuSigned by:
Mark Alexander
00BDC00E68743A
Mark Alexander, Authorized Person

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Attachment 2. Tax Lots and Property Owner Information

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Notice of Intent to Apply for a Site Certificate for the Yellow Rosebush Energy Center
Property Owner List and Tax Lot Map - Sherman and Wasco County Assessor Data (Obtained August 7, 2023)

Map Tax Lot	Owner	Mail Address	Mail City	State	Zip Code	Full Mailing Address
04S15E0000400	CLODFELTER, D WENDELL & JOYCE	58650 BUCKLEY ROAD	GRASS VALLEY	OR	97029	58650 BUCKLEY ROAD GRASS VALLEY OR 97029
04S15E0000301	FEDERAL GOVERNMENT*	PO BOX 3621	PORTLAND	OR	97208	PO BOX 3621 PORTLAND OR 97208
04S15E00002200	SKORO RANCH, LLC	PO BOX 38	BORING	OR	97009	PO BOX 38 BORING OR 97009
04S15E0000400	CLODFELTER, D WENDELL & JOYCE	58650 BUCKLEY ROAD	GRASS VALLEY	OR	97029	58650 BUCKLEY ROAD GRASS VALLEY OR 97029
04S15E0000300	LEMLEY RANCH LLC	30 SIMPSON ROAD	SEQUIM	WA	98382	30 SIMPSON ROAD SEQUIM WA 98382
04S15E00002000	SKORO RANCH, LLC	PO BOX 38	BORING	OR	97009	PO BOX 38 BORING OR 97009
04S15E00002100	SKORO RANCH, LLC	PO BOX 38	BORING	OR	97009	PO BOX 38 BORING OR 97009
04S15E00003300	SKORO RANCH, LLC	PO BOX 38	BORING	OR	97009	PO BOX 38 BORING OR 97009
04S15E00003400	FEDERAL GOVERNMENT**	3050 NE 3RD ST	PRINEVILLE	OR	97754	3050 NE 3RD ST PRINEVILLE OR 97754
04S15E00001900	SKORO RANCH, LLC	PO BOX 38	BORING	OR	97009	PO BOX 38 BORING OR 97009
04S16E00004000	BIBBY, DOUGLAS J	92018 KOPKE LANE	GRASS VALLEY	OR	97029	92018 KOPKE LANE GRASS VALLEY OR 97029
04S15E00001800	LEMLEY, ALEXANDER	7220 HOLLYWOOD BLVD. APT. 120	LOS ANGELES	CA	90046	7220 HOLLYWOOD BLVD. APT. 120 LOS ANGELES CA 90046
04S15E00001100	RICHARDS CORPORATION	7525 SE 24TH ST SUITE 100	MERCER	WA	98040	7525 SE 24TH ST SUITE 100 MERCER WA 98040
04S15E00001700	CLODFELTER, D WENDELL & JOYCE	58650 BUCKLEY ROAD	GRASS VALLEY	OR	97029	58650 BUCKLEY ROAD GRASS VALLEY OR 97029
04S15E00001100	RICHARDS CORPORATION	7525 SE 24TH ST SUITE 100	MERCER ISLAND	WA	98040	7525 SE 24TH ST SUITE 100 MERCER ISLAND WA 98040
05S16E00009000	FEDERAL GOVERNMENT***	3050 NE 3RD ST	PRINEVILLE	OR	97754	3050 NE 3RD ST PRINEVILLE OR 97754
05S16E00008000	A & K RANCHES	PO BOX 158	MAUPIN	OR	97037	PO BOX 158 MAUPIN OR 97037
04S16E00005300	FEDERAL GOVERNMENT**	3050 NE 3RD ST	PRINEVILLE	OR	97754	3050 NE 3RD ST PRINEVILLE OR 97754
04S16E00003400	BIBBY, DOUGLAS J	92018 KOPKE LANE	GRASS VALLEY	OR	97029	92018 KOPKE LANE GRASS VALLEY OR 97029
04S16E00005000	ODOM, BETTY JEAN ETAL	55133 JUNIPER FLAT ROAD	MAUPIN	OR	97037	55133 JUNIPER FLAT ROAD MAUPIN OR 97037
04S15E00003500	FEDERAL GOVERNMENT**	3050 NE 3RD ST	PRINEVILLE	OR	97754	3050 NE 3RD ST PRINEVILLE OR 97754
04S15E00003200	ODOM, BETTY JEAN ETAL	55133 JUNIPER FLAT ROAD	MAUPIN	OR	97037	55133 JUNIPER FLAT ROAD MAUPIN OR 97037
04S15E00002700	S & K RANCHES, LLC	3051 NE COLUMBIA BOULEVARD	PORTLAND	OR	97211	3051 NE COLUMBIA BOULEVARD PORTLAND OR 97211
04S15E00002900	STATE OF OREGON****	775 SUMMER STREET NE, SUITE 100	SALEM	OR	97301	775 SUMMER STREET NE, SUITE 100 SALEM OR 97301
04S15E00003000	ODOM, BETTY JEAN ETAL	55133 JUNIPER FLAT ROAD	MAUPIN	OR	97037	55133 JUNIPER FLAT ROAD MAUPIN OR 97037
04S15E00002800	ODOM, BETTY JEAN ETAL	55133 JUNIPER FLAT ROAD	MAUPIN	OR	97037	55133 JUNIPER FLAT ROAD MAUPIN OR 97037
5S16E01201	ASHLEY VICKI	90530 BAKEOVEN RD	MAUPIN	OR	97037	90530 BAKEOVEN RD MAUPIN OR 97037
4S16E0400	UNITED STATES OF AMERICA**	3050 NE 3RD ST	PRINEVILLE	OR	97754	3050 NE 3RD ST PRINEVILLE OR 97754
4S16E0600	UNITED STATES OF AMERICA**	3050 NE 3RD ST	PRINEVILLE	OR	97754	3050 NE 3RD ST PRINEVILLE OR 97754
5S16E0600	CARVER FAMILY RANCHES LLC	91443 HINTON RD	MAUPIN	OR	97037	91443 HINTON RD MAUPIN OR 97037
4S15E01100	TOWNSEND ROBERT L & TRUDY J	63903 E QUAIL HAVEN DR	BEND	OR	97703	63903 E QUAIL HAVEN DR BEND OR 97703
4S15E01300	BROWN LONNY & PAMELA	PO BOX 879	FAIRVIEW	OR	97024	PO BOX 879 FAIRVIEW OR 97024
4S15E01400	BROWN LONNY & PAMELA	PO BOX 879	FAIRVIEW	OR	97024	PO BOX 879 FAIRVIEW OR 97024
4S15E01500	ASHLEY L STEVEN ET AL	PO BOX 158	MAUPIN	OR	97037	PO BOX 158 MAUPIN OR 97037
5S15E0200	UNITED STATES OF AMERICA*	PO BOX 3621	PORTLAND	OR	97208	PO BOX 3621 PORTLAND OR 97208
5S15E0300	TOWNSEND ROBERT L & TRUDY J	63903 E QUAIL HAVEN DR	BEND	OR	97703	63903 E QUAIL HAVEN DR BEND OR 97703
5S15E0400	BROWN LONNY & PAMELA	PO BOX 879	FAIRVIEW	OR	97024	PO BOX 879 FAIRVIEW OR 97024
5S16E01000	PHILLIPS DON W ET AL	PO BOX 689	BEAVERCREEK	OR	97004	PO BOX 689 BEAVERCREEK OR 97004
5S16E01100	PHILLIPS DON W ET AL	PO BOX 689	BEAVERCREEK	OR	97004	PO BOX 689 BEAVERCREEK OR 97004
5S16E01300	CHRISMAN LEVI FAMILY LLC	62261 DEER TRIAL RD	BEND	OR	97701	62261 DEER TRIAL RD BEND OR 97701
5S16E02000	A & K RANCHES	PO BOX 158	MAUPIN	OR	97037	PO BOX 158 MAUPIN OR 97037
5S16E02200	ASHLEY VICKI	90530 BAKEOVEN RD	MAUPIN	OR	97037	90530 BAKEOVEN RD MAUPIN OR 97037
5S16E02300	A & K RANCHES	PO BOX 158	MAUPIN	OR	97037	PO BOX 158 MAUPIN OR 97037
5S16E02400	A & K RANCHES	PO BOX 158	MAUPIN	OR	97037	PO BOX 158 MAUPIN OR 97037
5S16E02600	CHRISMAN LEVI FAMILY LLC	62261 DEER TRIAL RD	BEND	OR	97701	62261 DEER TRIAL RD BEND OR 97701
5S16E01200	A & K RANCHES	PO BOX 158	MAUPIN	OR	97037	PO BOX 158 MAUPIN OR 97037
5S16E02502	CLARK KENNETH W ET AL	14860 SE 51ST ST	BELLEVUE	WA	98006	14860 SE 51ST ST BELLEVUE WA 98006
5S16E02501	CLARK KENNETH W ET AL	14860 SE 51ST ST	BELLEVUE	WA	98006	14860 SE 51ST ST BELLEVUE WA 98006
5S16E02500	BAKEOVEN I LLC	14860 SE 51ST ST	BELLEVUE	WA	98006	14860 SE 51ST ST BELLEVUE WA 98006
4S15E0100	ODOM BETTY J ET AL	55133 JUNIPER FLAT RD	MAUPIN	OR	97037	55133 JUNIPER FLAT RD MAUPIN OR 97037
4S16E0300	PHILLIPS DON W ET AL	PO BOX 689	BEAVERCREEK	OR	97004	PO BOX 689 BEAVERCREEK OR 97004
4S16E0100	ODOM BETTY J ET AL	55133 JUNIPER FLAT RD	MAUPIN	OR	97037	55133 JUNIPER FLAT RD MAUPIN OR 97037
4S16E0200	BIBBY DOUGLAS	92018 KOPKE LANE	GRASS VALLEY	OR	97029	92018 KOPKE LANE GRASS VALLEY OR 97029
4S16E0500	BIBBY DOUGLAS	92018 KOPKE LANE	GRASS VALLEY	OR	97029	92018 KOPKE LANE GRASS VALLEY OR 97029
4S16E0900	PHILLIPS DON W ET AL	PO BOX 689	BEAVERCREEK	OR	97004	PO BOX 689 BEAVERCREEK OR 97004
5S16E0900	PHILLIPS DON W ET AL	PO BOX 689	BEAVERCREEK	OR	97004	PO BOX 689 BEAVERCREEK OR 97004
4S16E01000	UNITED STATES OF AMERICA**	3050 NE 3RD ST	PRINEVILLE	OR	97754	3050 NE 3RD ST PRINEVILLE OR 97754
5S16E0800	A & K RANCHES	PO BOX 158	MAUPIN	OR	97037	PO BOX 158 MAUPIN OR 97037
5S15E0102	LAWSON PLACE PARTNERS LLC	3633 WASHINGTON ST	SAN FRANCISCO	CA	94118	3633 WASHINGTON ST SAN FRANCISCO CA 94118
5S15E0101	ASHLEY L STEVEN ET AL	PO BOX 158	MAUPIN	OR	97037	PO BOX 158 MAUPIN OR 97037
5S15E0100	ASHLEY L STEVEN ET AL	PO BOX 158	MAUPIN	OR	97037	PO BOX 158 MAUPIN OR 97037
4S15E0800	TOWNSEND ROBERT L & TRUDY J	63903 E QUAIL HAVEN DR	BEND	OR	97703	63903 E QUAIL HAVEN DR BEND OR 97703
4S15E0300	STATE OF OREGON****	775 SUMMER STREET NE, SUITE 100	SALEM	OR	97301	775 SUMMER STREET NE, SUITE 100 SALEM OR 97301
4S15E0700	WAKERLIG LLC	91440 BAKEOVEN RD	MAUPIN	OR	97037	91440 BAKEOVEN RD MAUPIN OR 97037
4S15E0600	UNITED STATES OF AMERICA**	3050 NE 3RD ST	PRINEVILLE	OR	97754	3050 NE 3RD ST PRINEVILLE OR 97754








Notice of Intent to Apply for a Site Certificate for the Yellow Rosebush Energy Center
Property Owner List and Tax Lot Map - Sherman and Wasco County Assessor Data (Obtained August 7, 2023)

Map Tax Lot	Owner	Mail Address	Mail City	State	Zip Code	Full Mailing Address
4S15E0200	S & K RANCHES LLC	502 RANCHO SANTA BARBARA DR.	MESQUITE	NV	89027	502 RANCHO SANTA BARBARA DR. MESQUITE NV 89027
<p>Note: * Wasco and Sherman County verified that tax lots with "Federal Government" and "United States of America" in the "Owner" field do not have address or other identifying information. The Applicant reviewed available data on the Protected Areas Database of the United States (PADUS 2022) and was unable to determine the specific federal management agency for these properties. Tax Lot 04S15E0000301 and Tax Lot 5S15E0200 are associated with the Bonneville Power Administration (BPA) Buckley Substation and Bakeoven Substation, respectively. These properties are understood to be managed by the BPA. As such, the Applicant provides the BPA mailing address identified here: https://www.bpa.gov/about/who-we-are/contact-form.</p>						
<p>Note: ** Wasco and Sherman County verified that tax lots with "Federal Government" and "United States of America" in the "Owner" field do not have address or other identifying information. The Applicant reviewed available data on the Protected Areas Database of the United States (PADUS 2022) to determine that these properties are managed by the Bureau of Land Management (BLM) Prineville District. The address for the BLM Prineville District Office is provided.</p>						
<p>Note: *** Wasco and Sherman County verified that tax lots with "Federal Government" and "United States of America" in the "Owner" field do not have address or other identifying information. The Applicant reviewed available data on the Protected Areas Database of the United States (PADUS 2022) and was unable to determine the specific federal management agency for Tax Lot 05S16E0000900. However, federal Tax Lot 05S16E0000900 directly abuts federal Tax Lot 04S16E00005300 to the south and Tax Lot 04S16E00005300 is managed by the BLM Prineville District. The address for the BLM Prineville District Office is provided.</p>						
<p>Note: **** Wasco and Sherman County verified that tax lots with "State of Oregon" in the "Owner" field do not have address or other identifying information and are listed as "Undetermined Party Address." The Applicant provides the address for the Oregon Department of State Lands office in Salem, Oregon. The PADUS 2022 database also shows that a portion of Tax Lot 04S15E00002900 is managed by both the BLM Prineville District in addition to the Oregon Department of State Lands.</p>						

Yellow Rosebush Energy Center

Attachment 2 Figure 1 Tax Lot Boundary Index Map

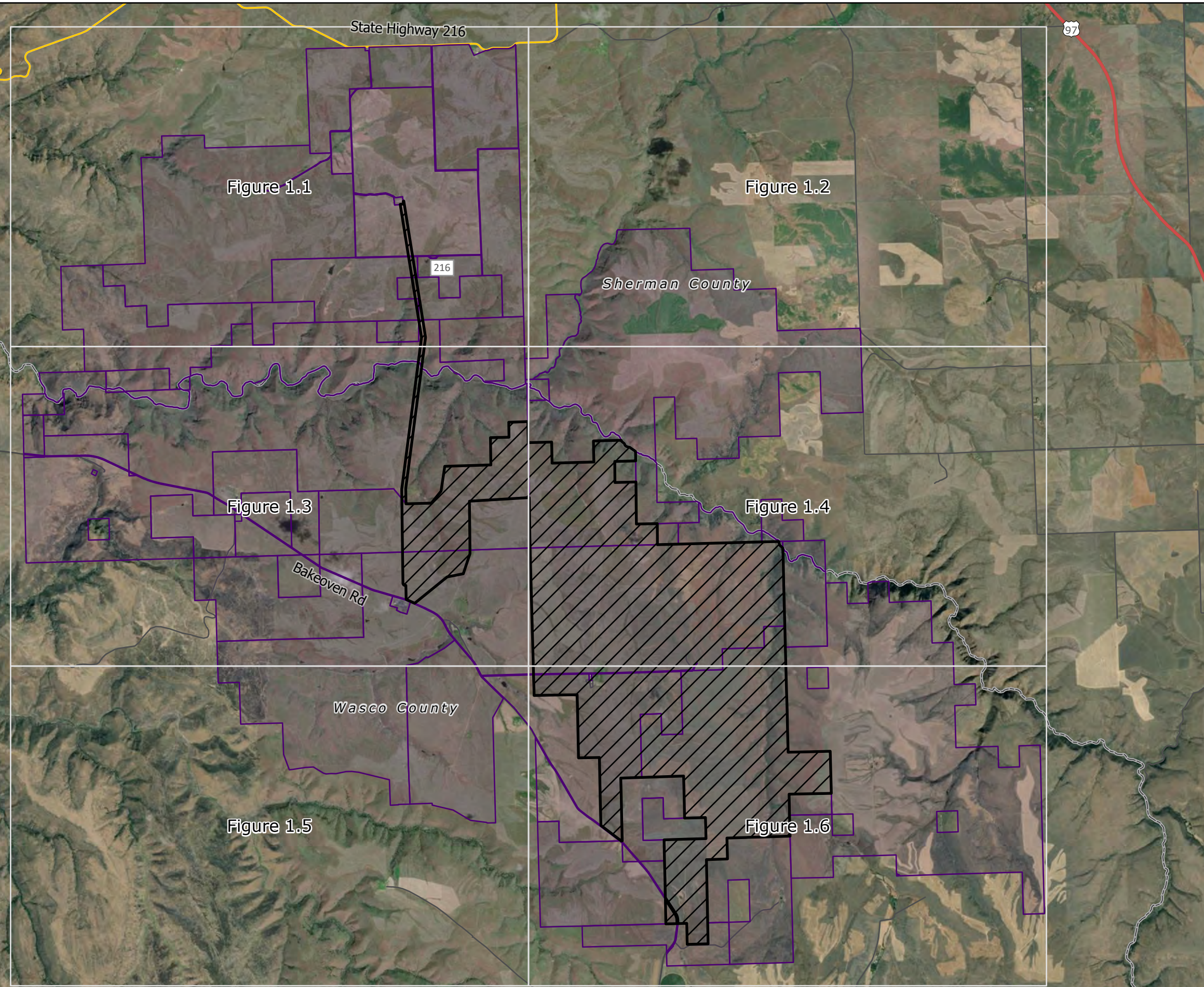
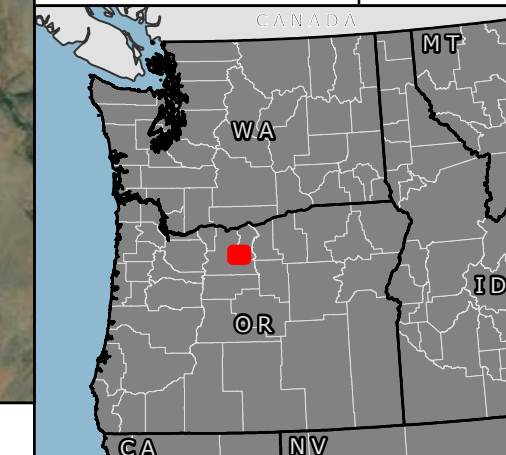
SHERMAN AND
WASCO COUNTIES, OR

-  Proposed Site Boundary
-  Grid Index
-  Tax Lot Boundary*
-  County Boundary
-  US Highway
-  State Highway
-  Local Roads

*Tax lot boundaries and information for Wasco County and Sherman County was obtained from the Wasco County Assessor on July 31, 2023 and August 7th, 2023.



Reference Map



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Yellow Rosebush Energy Center

Figure 1.1 Tax Lot Boundary Details Map

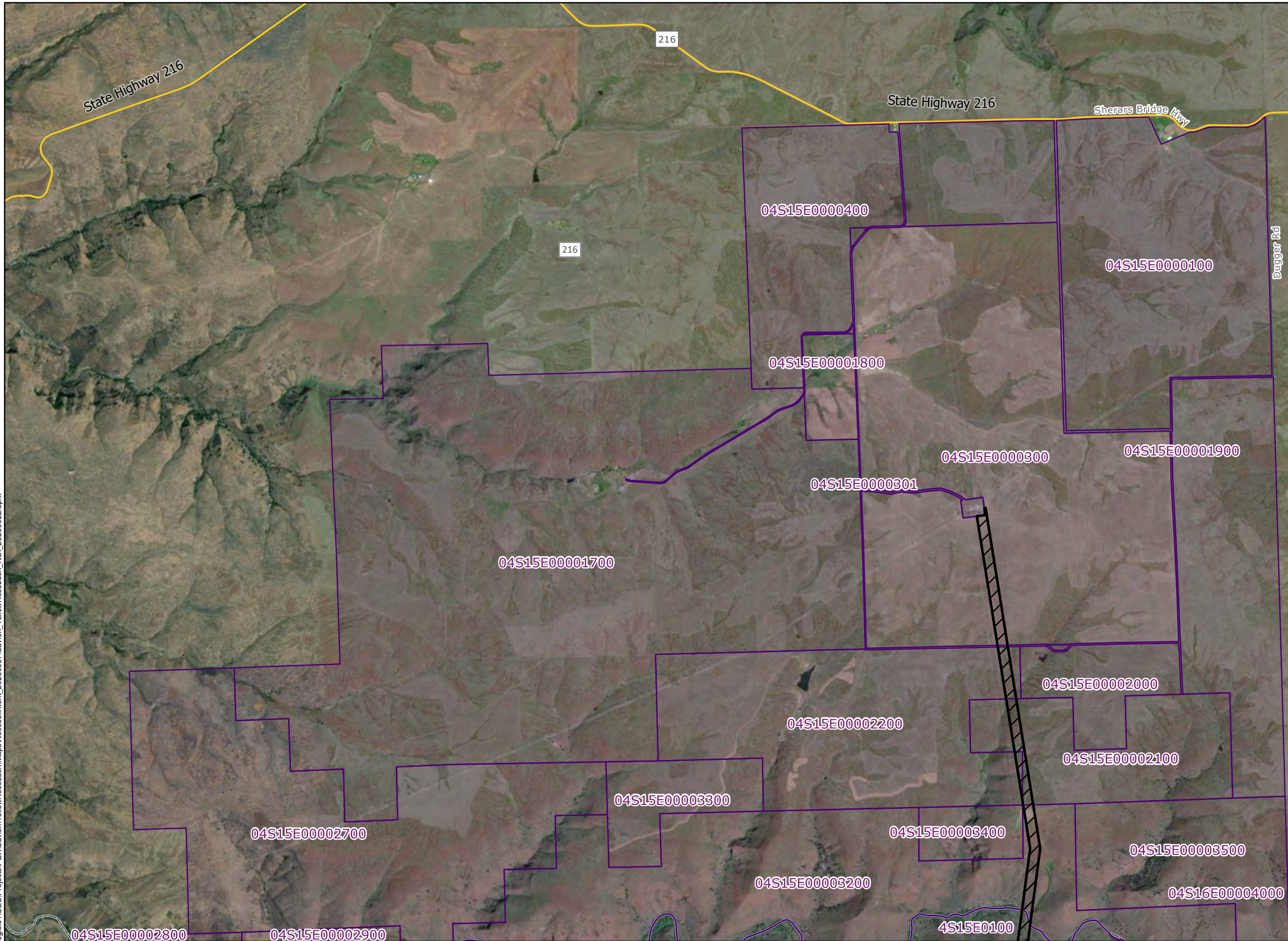
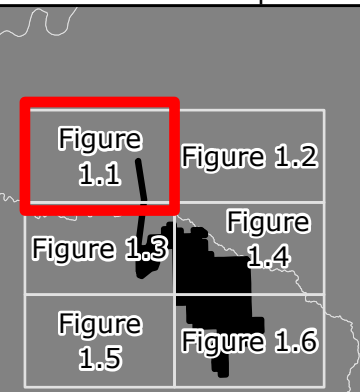
SHERMAN AND
WASCO COUNTIES, OR

-  Proposed Site Boundary
-  Tax Lot Boundary*
-  County Boundary
-  County Road
-  State Highway
-  Local Roads

*Tax lot boundaries and information for Wasco County and Sherman County was obtained from the Wasco County Assessor on July 31, 2023 and August 7th, 2023.



Reference Map

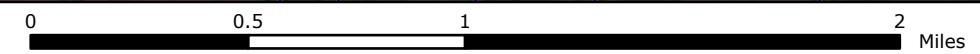


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WGS 1984 UTM Zone 10N










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Yellow Rosebush Energy Center

Figure 1.2 Tax Lot Boundary Details Map

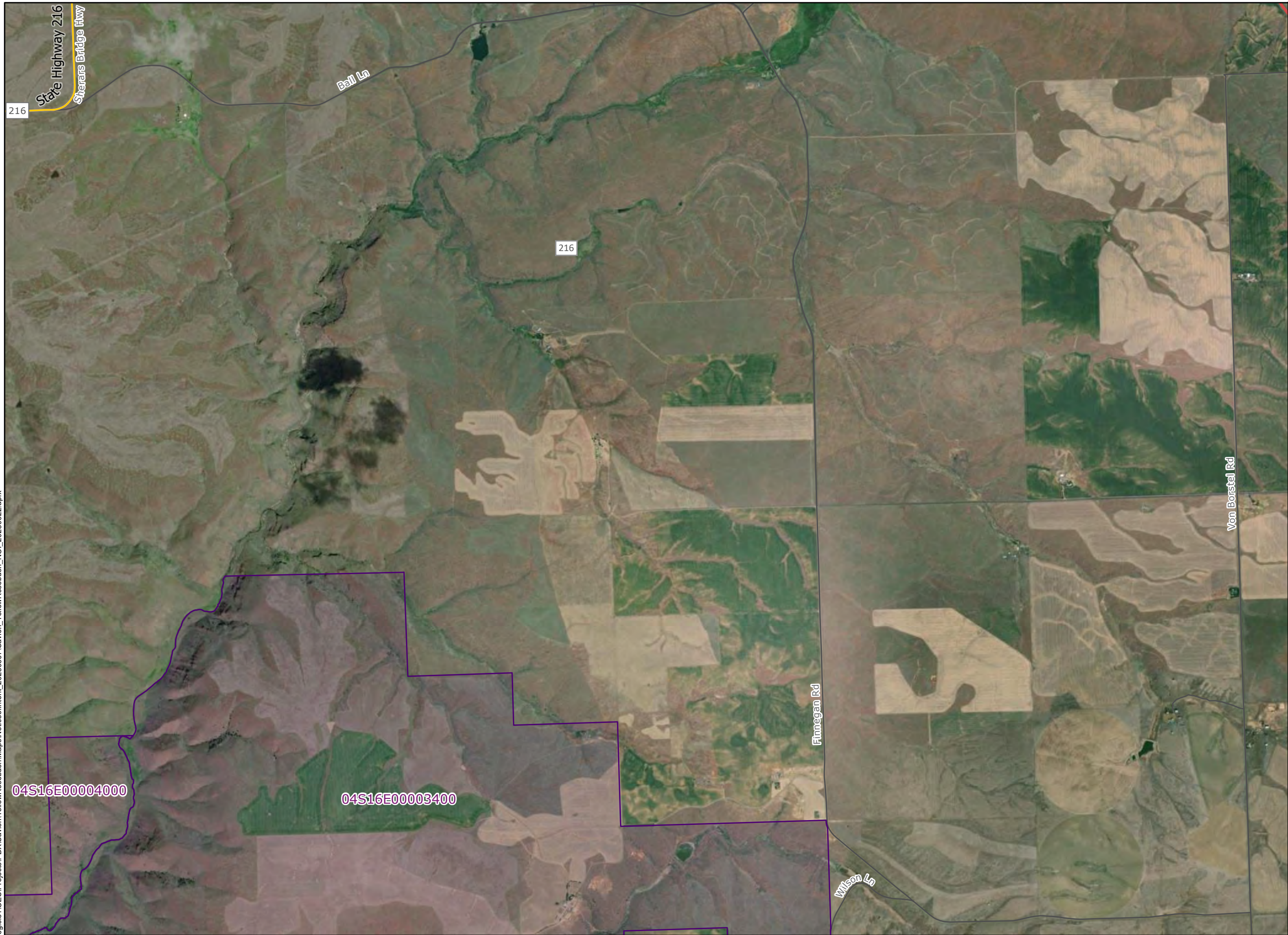
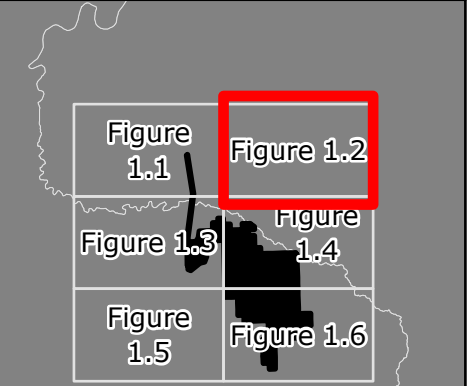
SHERMAN AND
WASCO COUNTIES, OR

-  Proposed Site Boundary
-  Tax Lot Boundary*
-  County Boundary
-  County Road
-  US Highway
-  State Highway
-  Local Roads

*Tax lot boundaries and information for Wasco County and Sherman County was obtained from the Wasco County Assessor on July 31, 2023 and August 7th, 2023.



Reference Map








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Yellow Rosebush Energy Center

Figure 1.3 Tax Lot Boundary Details Map

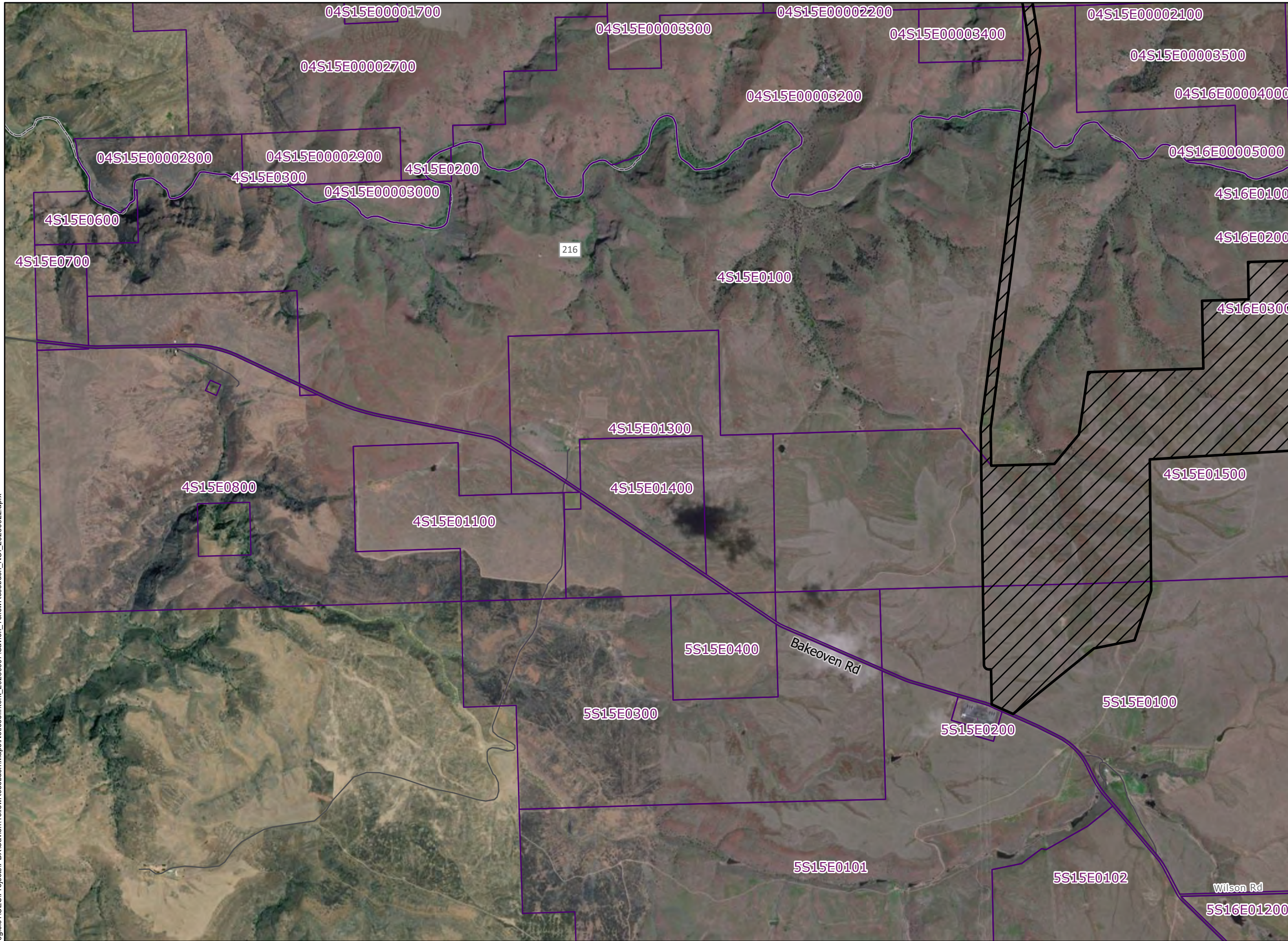
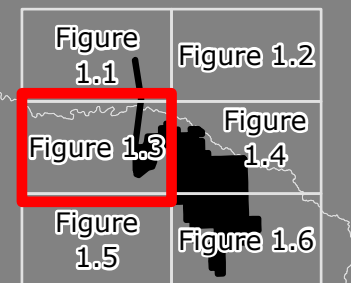
SHERMAN AND
WASCO COUNTIES, OR

-  Proposed Site Boundary
-  Tax Lot Boundary*
-  County Boundary
-  County Road
-  Local Roads

*Tax lot boundaries and information for Wasco County and Sherman County was obtained from the Wasco County Assessor on July 31, 2023 and August 7th, 2023.



Reference Map

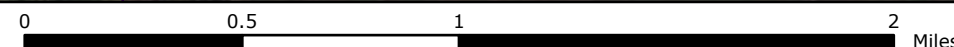


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Yellow Rosebush Energy Center

Figure 1.4 Tax Lot Boundary Details Map

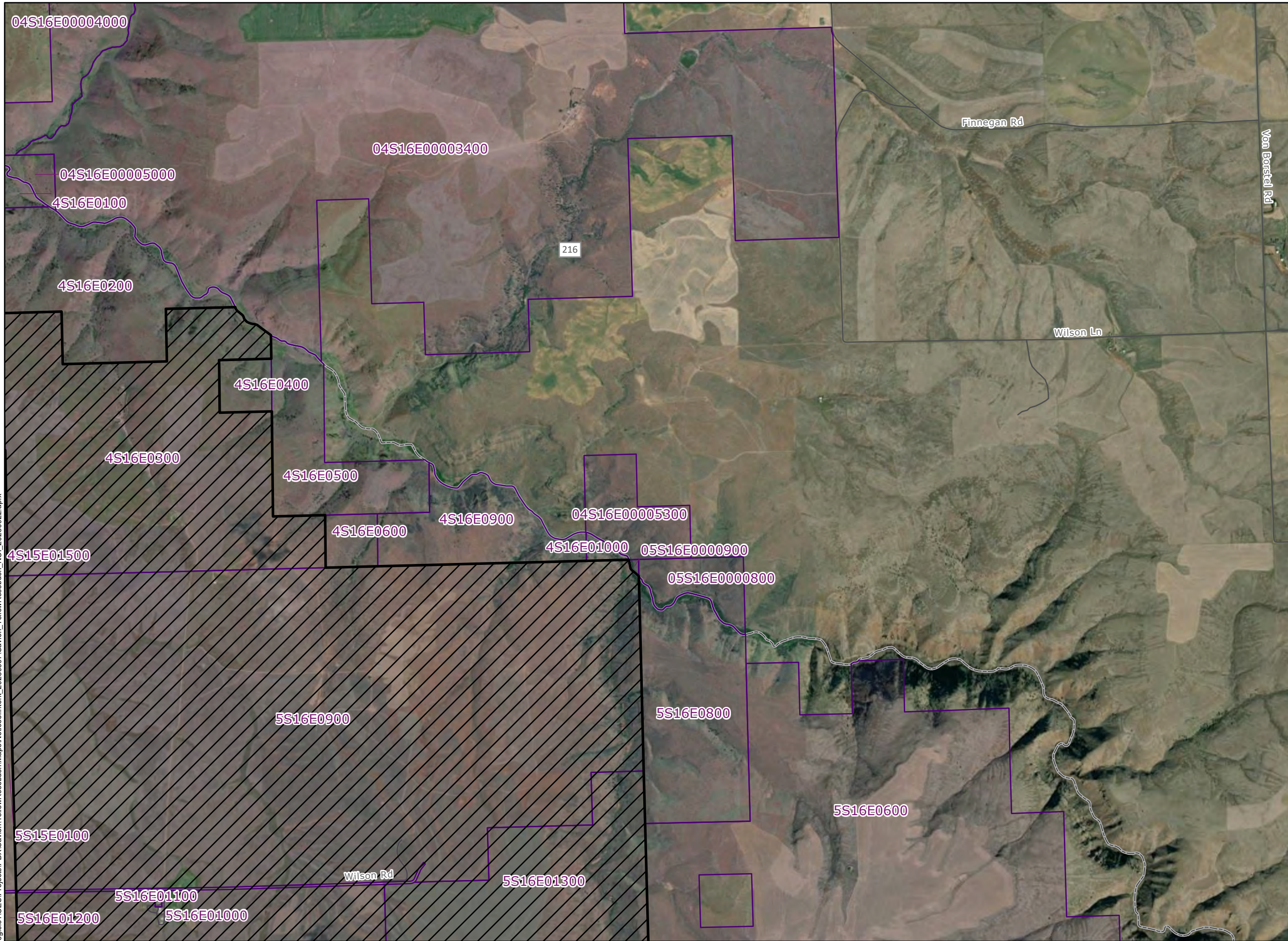
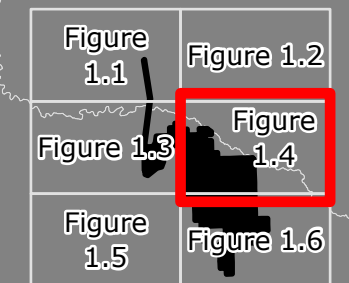
SHERMAN AND WASCO COUNTIES, OR

-  Proposed Site Boundary
-  Tax Lot Boundary*
-  County Boundary
-  County Road
-  Local Roads

*Tax lot boundaries and information for Wasco County and Sherman County was obtained from the Wasco County Assessor on July 31, 2023 and August 7th, 2023.



Reference Map

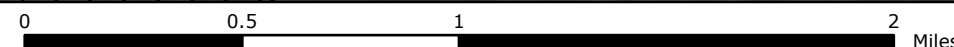


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Yellow Rosebush Energy Center

Figure 1.5 Tax Lot Boundary Details Map

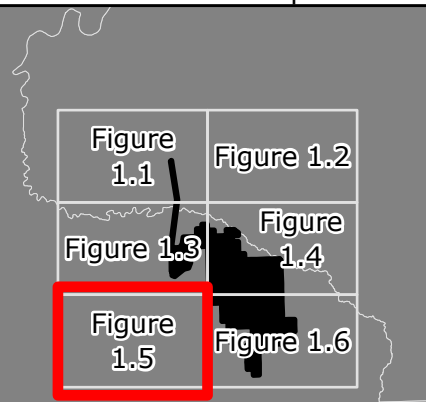
SHERMAN AND WASCO COUNTIES, OR

-  Proposed Site Boundary
-  Tax Lot Boundary*
-  County Boundary
-  County Road
-  Local Roads

*Tax lot boundaries and information for Wasco County and Sherman County was obtained from the Wasco County Assessor on July 31, 2023 and August 7th, 2023.



Reference Map

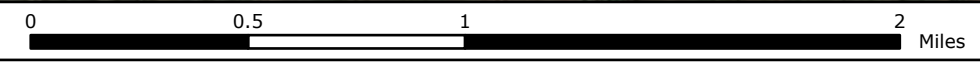


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Yellow Rosebush Energy Center

Figure 1.6 Tax Lot Boundary Details Map

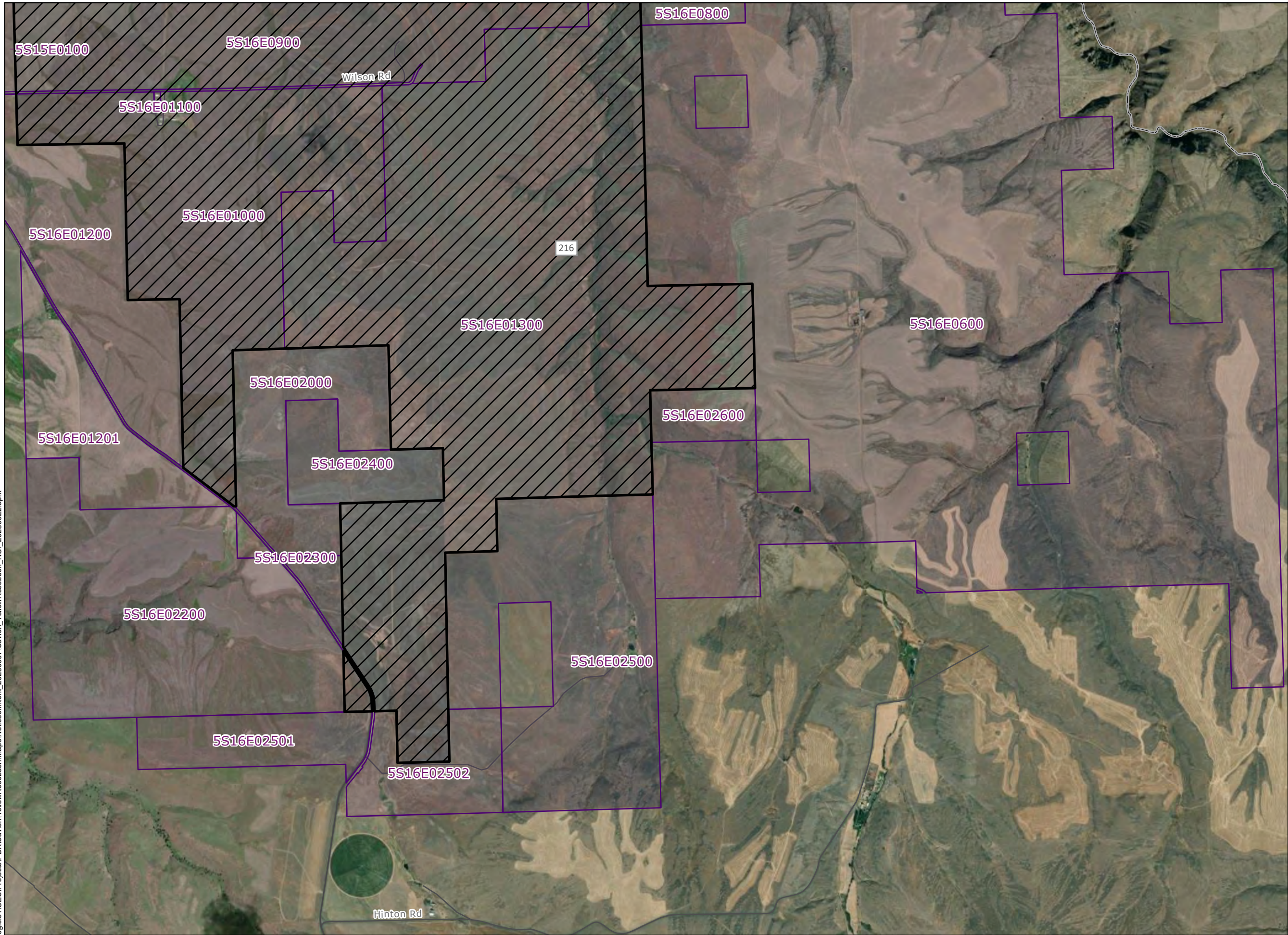
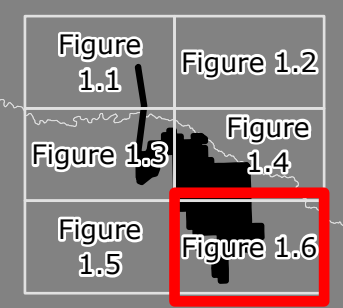
SHERMAN AND
WASCO COUNTIES, OR

-  Proposed Site Boundary
-  Tax Lot Boundary*
-  County Boundary
-  County Road
-  Local Roads

*Tax lot boundaries and information for Wasco County and Sherman County was obtained from the Wasco County Assessor on July 31, 2023 and August 7th, 2023.



Reference Map



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Attachment 3. Correspondence with Legislative Commission on Indian Services

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McLaneGodwin, Linsey

From: LCIS <LCIS@oregonlegislature.gov>
Sent: Thursday, July 6, 2023 5:20 PM
To: Hicks, Paul
Cc: McLaneGodwin, Linsey; Bullion Elissa
Subject: RE: Consultation List for Solar Project, Wasco County

You don't often get email from lcis@oregonlegislature.gov. [Learn why this is important](#)

⚠ CAUTION: This email originated from an external sender. Verify the source before opening links or attachments. **⚠**

Hi Paul,

For the project and location you describe, I would recommend consulting with the following Tribes:

Confederated Tribes of Warm Springs Reservation
Burns Paiute Tribe
Confederated Tribes of the Umatilla Indian Reservation
Confederated Tribes of Grand Ronde
Confederated Tribes of Siletz

In the future, feel free to reach out to me directly (Elissa.Bullion@oregonlegislature.gov) as I handle recommendations for appropriate Tribes for consultation in relation to cultural and historical resources. Let me know if you have any further questions.

Best,
Elissa

Dr. Elissa Bullion, PhD (she/her/hers)
State Physical Anthropologist
Legislative Commission on Indian Services
Oregon State Capitol Building
900 Court Street, NE, Room 167
Salem, Oregon 97301
Phone: 971-707-1372
LCIS Office: 503-986-1067
Elissa.Bullion@oregonlegislature.gov



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