

# Exhibit C

## Project Location and Maps

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**Yellow Rosebush Energy Center  
August 2024**

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

**Prepared by**



**TETRA TECH**

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## Table of Contents

1.0	Introduction .....	1
2.0	General Location – OAR 345-021-0010(1)(c)(A) .....	1
3.0	Specific Location of Major and Supporting Facilities – OAR 345-021-0010(1)(c)(B).....	2
3.1	Description of Location.....	2
3.2	Temporary and Permanent Disturbance Areas.....	3
4.0	Energy Generation Facilities – OAR 345-021-0010(1)(c)(C).....	4
5.0	Submittal Requirements and Approval Standards.....	5
5.1	Submittal Requirements.....	5
5.2	Approval Standards.....	5
6.0	References.....	5

## List of Tables

Table C-1.	Project Location by Township, Range, Section, County, and Tax Lot ID Number .....	2
Table C-2.	Estimated Temporary and Permanent Disturbance (in Acres).....	3
Table C-3.	Submittal Requirements Matrix.....	5

## List of Figures

- Figure C-1. Vicinity Map
- Figure C-2. Facility Layout
- Figure C-3. Energy Facilities within 10 Miles

## Acronyms and Abbreviations

Applicant	Yellow Rosebush Energy Center, LLC
ASC	Application for Site Certificate
BESS	battery energy storage system
BPA	Bonneville Power Administration
Facility	Yellow Rosebush Energy Center
gen-tie	generation-tie (a transmission line between an electricity generation facility and the electric grid point of interconnection)
kV	kilovolt
LLC	limited liability company
O&M	operations and maintenance
OAR	Oregon Administrative Rules
POI	point of interconnect

## 1.0 Introduction

Yellow Rosebush Energy Center, LLC (Applicant) seeks to develop the Yellow Rosebush Energy Center (Facility), a solar energy generation facility, battery energy storage system, and related or supporting facilities in Wasco and Sherman counties, Oregon. This Exhibit C was prepared to meet the submittal requirements in Oregon Administrative Rules (OAR) 345-021-0010(1)(c).

## 2.0 General Location – OAR 345-021-0010(1)(c)(A)

*OAR 345-021-0010(1)(c) Information about the location of the proposed facility, including:*

*OAR 345-021-0010(1)(c)(A) A map or maps showing 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, using a scale of 1 inch = 2000 feet or smaller when necessary to show detail;*

The Facility is located entirely on the north side of Bakeoven Road in Wasco County, Oregon, near the cities of Maupin and Shaniko. The Facility is considering two options for the point of interconnect (POI) to the regional electrical grid. The primary POI is directly adjacent to the Facility, while the alternate would require a generation-tie (gen-tie) line to extend north into Sherman County to connect with the Bonneville Power Administration's (BPA) existing Buckley Substation. The Facility and POI options are shown on the following maps:

- Figure C-1 is an overview map of the Facility, including the proposed site boundary and micrositing corridor and nearby highways, communities, airfields, and other recognizable features.
- Figure C-2 is a map showing the proposed micrositing corridor and solar array layout, including the locations of related or supporting facilities in relation to county boundaries, existing public roads, and 500-kilovolt (kV) transmission lines.
- Figure C-3 shows other energy generation facilities that are known to be permitted at the state or local level within 10 miles of the proposed site boundary.

### 3.0 Specific Location of Major and Supporting Facilities – OAR 345-021-0010(1)(c)(B)

*OAR 345-021-0010(1)(c)(B) A description of the location of the proposed energy facility site, the proposed site of each related or supporting facility and areas of temporary disturbance, including the total land area (in acres) within the proposed site boundary, the total area of permanent disturbance, and the total area of temporary disturbance. If a proposed pipeline or transmission line is to follow an existing road, pipeline or transmission line, the applicant must state to which side of the existing road, pipeline or transmission line the proposed facility will run, to the extent this is known; and*

The Facility site is approximately 8,075 acres of private land located on contiguous parcels approximately 9 miles east of Maupin, Wasco County, Oregon, and approximately 6 miles west of Kent, Sherman County, Oregon (Figure C-1). The Facility is generally bounded by US-97 to the east, US-197 to the west, Bakeoven Road to the south, and OR-216 to the north. As shown on Figure C-2, BPA’s John Day to Grizzly 500- kV transmission line runs north-south directly adjacent to the west edge of the Facility, and the Buckley Substation is located north of the Facility by approximately 4.6 miles. The Applicant has negotiated long-term energy leases, purchase options and easements, as required, with the landowners and is working with BPA on an interconnection agreement for facility upgrades to the existing Buckley Substation. The proposed site boundary encompasses some or all of the townships, ranges, and sections identified in Table C-1 and is only located on land that is privately owned.

#### 3.1 Description of Location

Table C-1 summarizes the general location of the Facility by the Public Land Survey System’s Township, Range, and Section, as well as by county and the tax lot identification number of parcels that are directly affected by permanent or temporary Facility impacts.

The Applicant is proposing an alternate overhead transmission line that will connect to BPA’s existing Buckley Substation located in Sherman County. 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.

**Table C-1. Project Location by Township, Range, Section, County, and Tax Lot ID Number**

Township	Range	Section	County	Tax Lot ID Number
5S	16E	0	Wasco	900
5S	16E	0	Wasco	1000
5S	16E	0	Wasco	1300
4S	16E	0	Wasco	300
4S	15E	0	Wasco	100
4S	15E	0	Wasco	1500

Township	Range	Section	County	Tax Lot ID Number
5S	15E	0	Wasco	300
4S	15E	0	Sherman	300
4S	15E	0	Sherman	301
4S	15E	0	Sherman	2100
4S	15E	0	Sherman	2200
4S	15E	0	Sherman	3200
4S	15E	0	Sherman	3400
Wasco County 2024.				

### 3.2 Temporary and Permanent Disturbance Areas

Table C-2 provides a summary of the estimated temporary and permanent disturbance areas caused by the Facility’s related or supporting components.

**Table C-2. Estimated Temporary and Permanent Disturbance (in Acres)**

Facility Component	Temporary (Acres)	Permanent (Acres)
Solar Array Area <sup>1</sup>		5007.7
Collector Lines (overhead and underground) <sup>2</sup>	174.8	
Battery Energy Storage System <sup>3</sup>		44.2
Generation-tie Line (500 kV) <sup>4</sup>	54.1	0.9
Existing Road Improvements <sup>5</sup>	14.8	
New Site Access and Service Roads <sup>6</sup>	23.9	57.0
Collector Substation <sup>7</sup>		19.5
Temporary Construction Staging Areas <sup>8</sup>	-	-
Operations & Maintenance (O&M) Building <sup>9</sup>		3.9
Perimeter Fence Line <sup>10</sup>	37.0	Included in the solar array area.
<b>Total<sup>11</sup></b>	<b>230.7</b>	<b>5012.9</b>

1. The area within the fence line including all solar components (i.e., solar panels, tracking systems, piles, inverters, collector lines, and other associated equipment), as well as the following supporting facilities: collector substation, O&M building, site access and service roads, and battery energy storage system. The total eliminates overlap of features within the fence line.
2. Temporary impact assumes a 300-foot-wide temporary disturbance corridor in areas outside the fence line. Assumes a total of 267.8 miles of underground line both within and outside the fence line; however, temporary disturbance is only calculated for the portion outside the fence line.
3. Within the fence line, no temporary disturbance is applicable.
4. Overhead gen-tie line disturbance amounts include the support structures. Assumes a 100-foot temporary disturbance corridor plus pulling/tension areas, and 1,600 square foot (40’x40’) permanent disturbance from each support structure. Approximately 4.5 miles long with support structures spaced approximately 1,000 feet apart. Located outside the fence line.
5. The existing county road within the site boundary will have a right of way of 60 feet based on the centerline and temporary impacts do not include the existing road width. Existing private roads will be widened to a maximum of 20 feet. Assumes a total of approximately 2.1 miles of existing roads to improve, located outside the fence line.

Facility Component	Temporary (Acres)	Permanent (Acres)
<p>6. New service roads are assumed to be up to 20 feet in width. Assumes 24.8 miles of new permanent service roads, the majority of which are inside the fence line.</p> <p>7. The collector substation is within the fence line and includes the surrounding gravel area and other associated components.</p> <p>8. No temporary construction staging areas are proposed outside of the fence line. Staging disturbance inside the fence line is part of the permanent solar array area.</p> <p>9. Assumes one O&amp;M building (approximately 5,000 square feet) and the parking area, any adjacent storage, and surrounding graveled area (including an underground septic system) and is within the fence line.</p> <p>10. This is the solar array perimeter fence and assumes a 6-foot temporary disturbance corridor on the outer side of the fence multiplied by the linear footage of fence for temporary workspace to install the fence. The narrow footprint of the fence is considered part of the permanently disturbed solar array area. Assumes an approximate total of 50.8 miles of fence.</p> <p>11. Totals eliminate any overlap of features (e.g., overlapping temporary workspace, disturbance types within the fence line).</p>		

As noted above, the Applicant requests flexibility in siting the Facility within the micrositing corridor in order to use the most efficient and effective equipment and layout possible at the time of final design. Because this analysis uses the largest anticipated footprint for the Facility, equipment and layout selected will not exceed the impacts analyzed. Resource surveys have been conducted for the proposed micrositing corridor where components of the solar arrays will be sited. See Exhibits J, P, Q, and S for details regarding wetland, biological, and cultural surveys. The solar arrays and supporting facilities will be microsited during the final design to avoid or minimize adverse impacts to resources to the extent practicable. Native habitat cover within the site boundary will be retained to the extent practicable.

#### 4.0 Energy Generation Facilities – OAR 345-021-0010(1)(c)(C)

*OAR 345-021-0010(1)(c)(C) For energy generation facilities, a map showing 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;*

Figure C-3 shows approximate locations of existing energy infrastructure known to the Applicant within 10 miles of the Facility site boundary, in accordance with OAR 345-001-0010(35)(b). No existing or permitted energy facilities are identified within 10 miles of the Facility site boundary.



## 5.0 Submittal Requirements and Approval Standards

### 5.1 Submittal Requirements

**Table C-3. Submittal Requirements Matrix**

Requirement	Location
OAR 345-021-0010(1)(c) Information about the location of the proposed facility, including:	-
(A) A map or maps showing 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, using a scale of 1 inch = 2000 feet or smaller when necessary to show detail.	Section 2.0; Figures C-1, C-2
(B) A description of the location of the proposed energy facility site, the proposed site of each related or supporting facility and areas of temporary disturbance, including the total land area (in acres) within the proposed site boundary, the total area of permanent disturbance, and the total area of temporary disturbance. If a proposed pipeline or transmission line is to follow an existing road, pipeline or transmission line, the applicant shall state to which side of the existing road, pipeline or transmission line the proposed facility will run, to the extent this is known.	Section 3.0
(C) For energy generation facilities, a map showing 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.	Section 4.0; Figure C-3

### 5.2 Approval Standards

OAR 345 Division 22 does not provide an approval standard specific to Exhibit C.

## 6.0 References

Wasco County. 2024. Wasco County Assessor Map and Tax Lot Data. Obtained from Wasco County GIS staff.

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# Figures

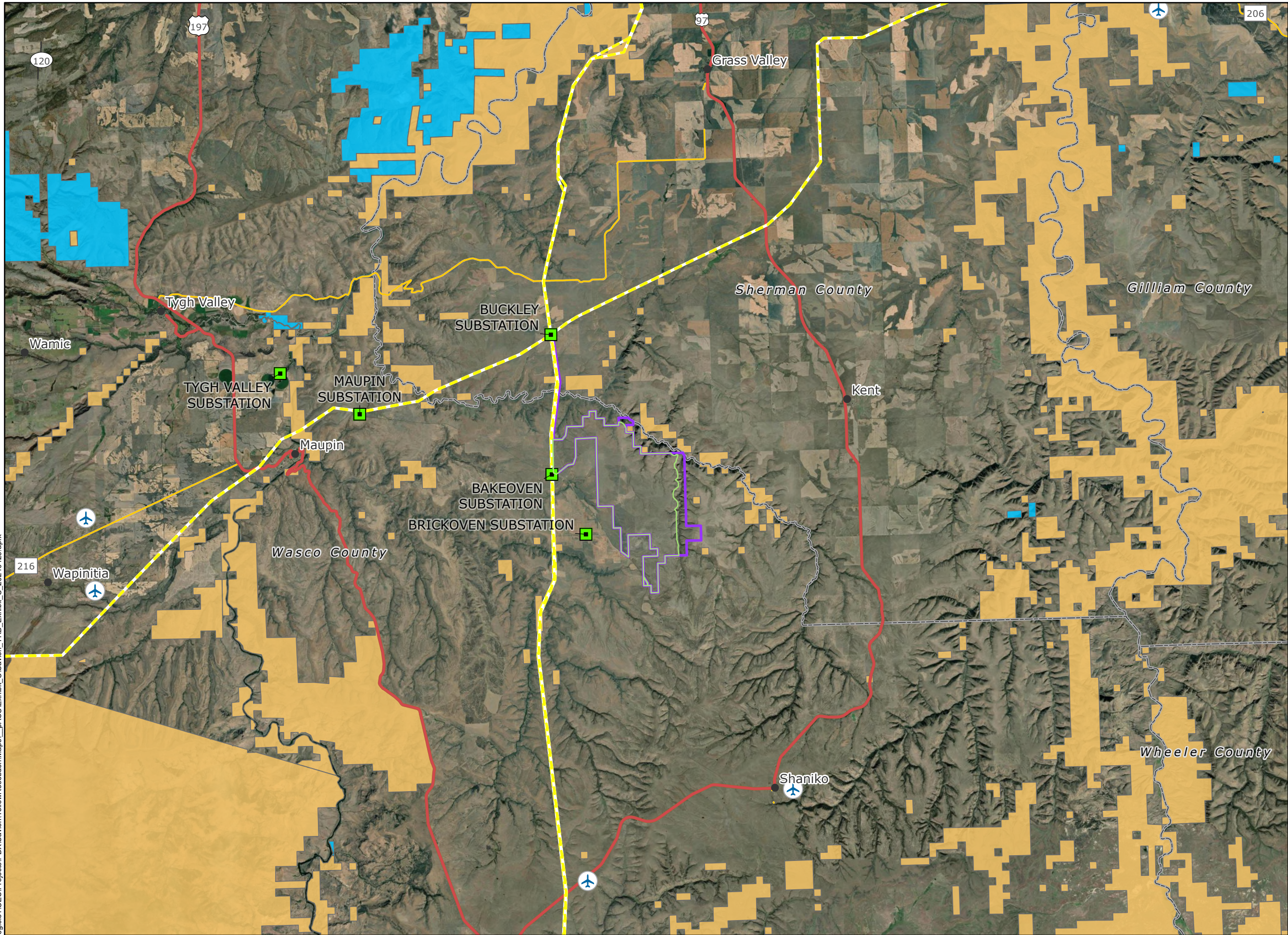
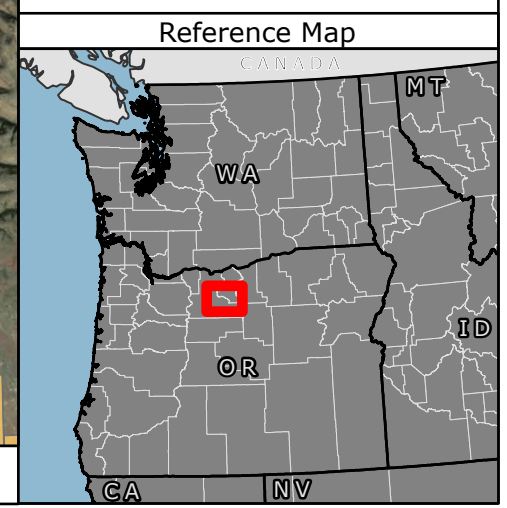
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# Yellow Rosebush Energy Center

## Figure C-1 Vicinity Map

SHERMAN AND WASCO COUNTIES, OR

-  Facility Site Boundary
-  Micrositing Corridor
-  City/Town
-  County Boundary
-  US Highway
-  State Highway
-  County Highway
-  Existing Transmission Line 500-kV
-  Existing Substation
-  Airfields
-  State Land
-  Federal Land



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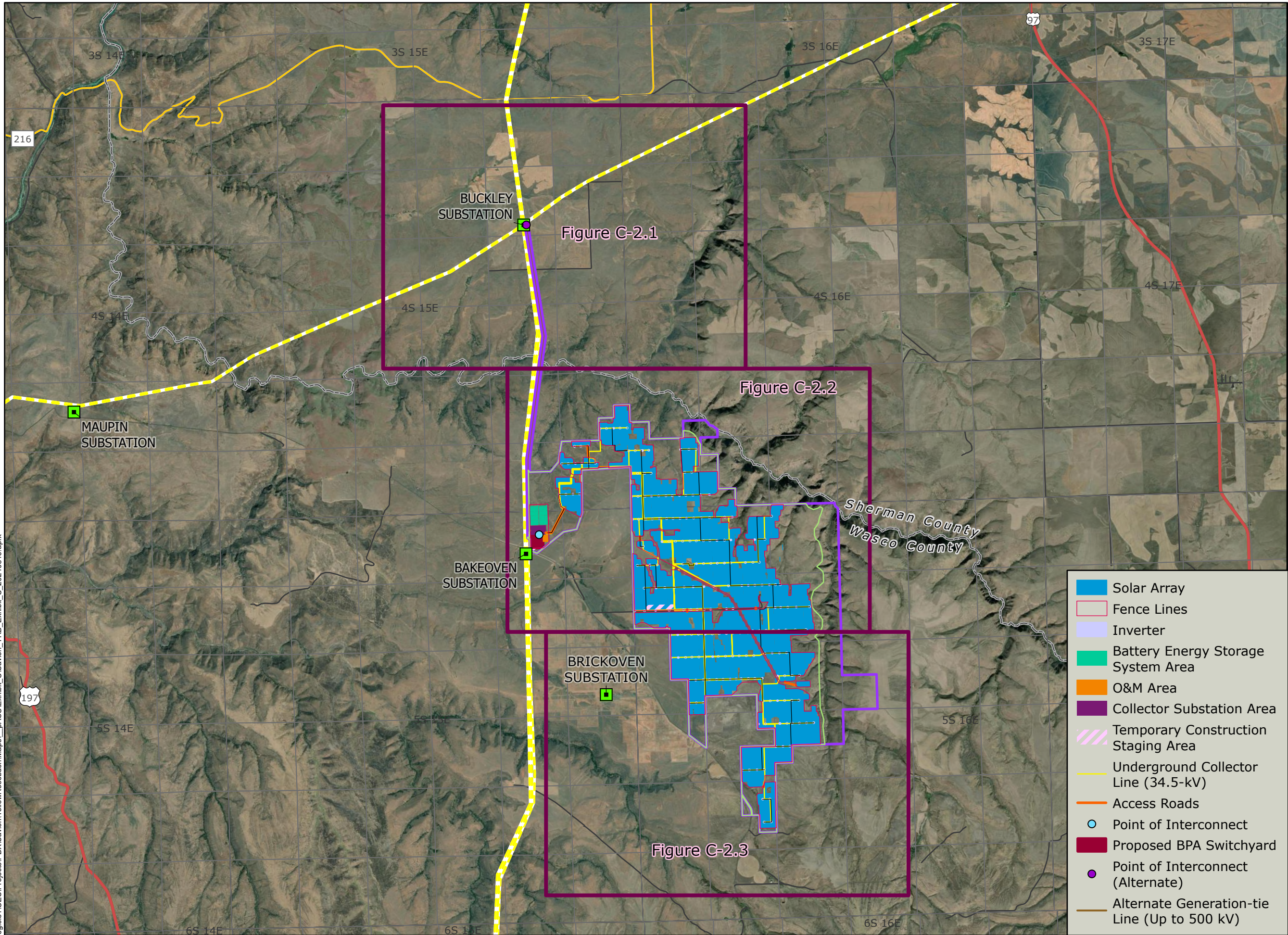
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# Yellow Rosebush Energy Center

## Figure C-2 Facility Layout

SHERMAN AND WASCO COUNTIES, OR



- Facility Site Boundary
- Micrositing Corridor
- Map Grid
- County Boundary
- US Highway
- State Highway
- Local Roads
- Existing Transmission Line 500-kV
- Existing Substation
- Township/Range
- Section

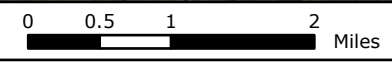
- Solar Array
- Fence Lines
- Inverter
- Battery Energy Storage System Area
- O&M Area
- Collector Substation Area
- Temporary Construction Staging Area
- Underground Collector Line (34.5-kV)
- Access Roads
- Point of Interconnect
- Proposed BPA Switchyard
- Point of Interconnect (Alternate)
- Alternate Generation-tie Line (Up to 500 kV)



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










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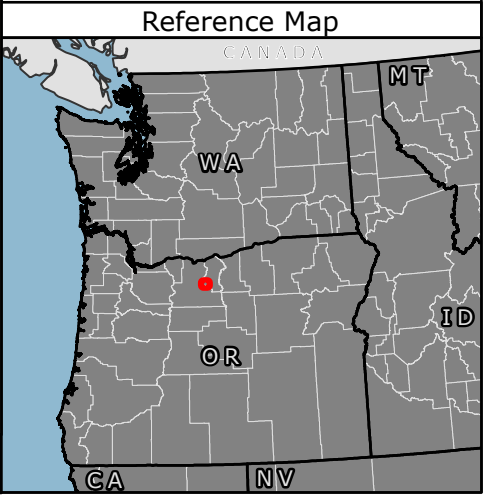
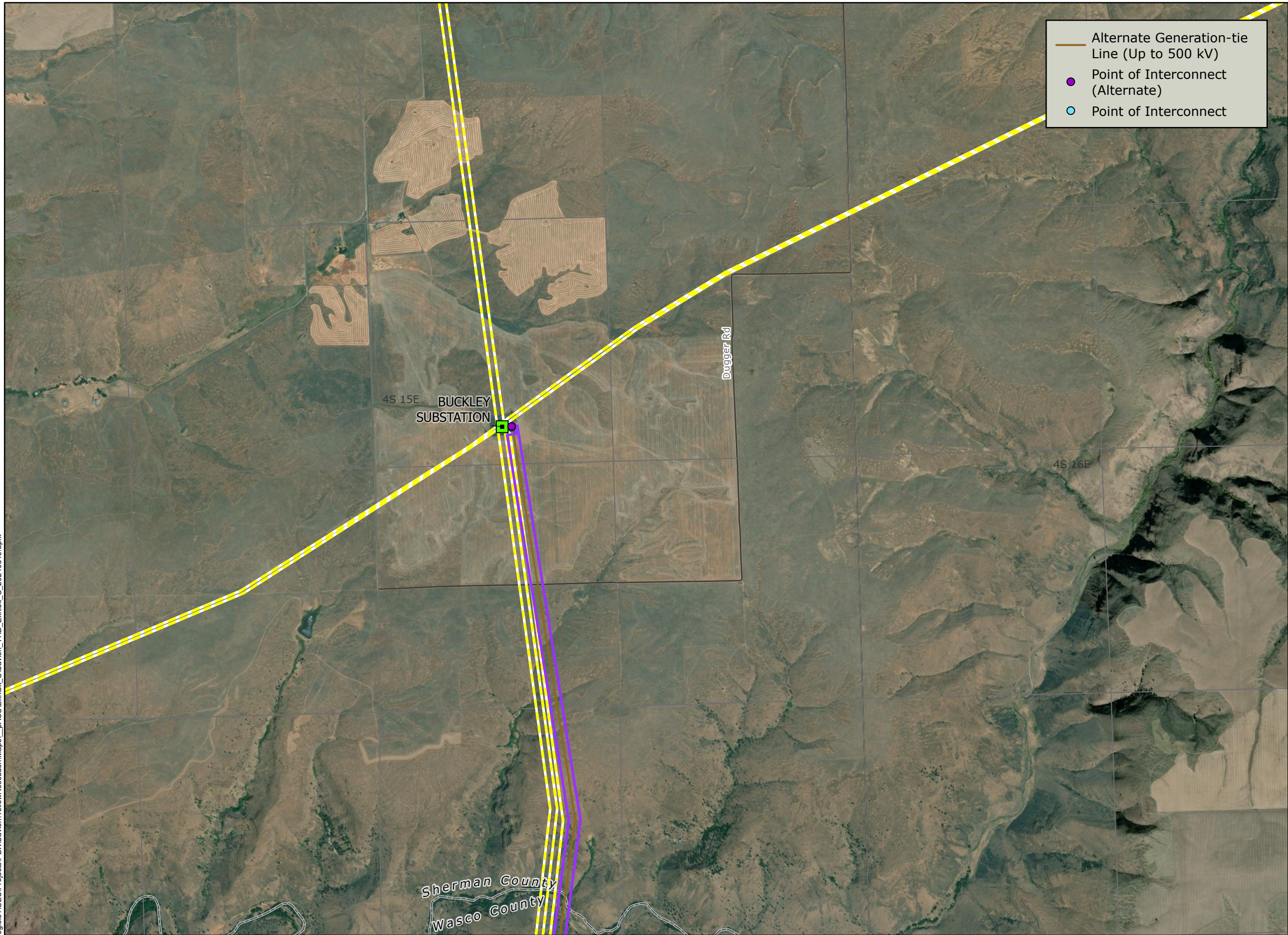
# Yellow Rosebush Energy Center

## Figure C-2.1 Facility Layout Details

SHERMAN AND WASCO COUNTIES, OR

-  Facility Site Boundary
-  Micrositing Corridor
-  County Boundary
-  Section
-  Township/Range
-  Local Roads
-  Existing Transmission Line 500-kV
-  Existing Substation

-  Alternate Generation-tie Line (Up to 500 kV)
-  Point of Interconnect (Alternate)
-  Point of Interconnect



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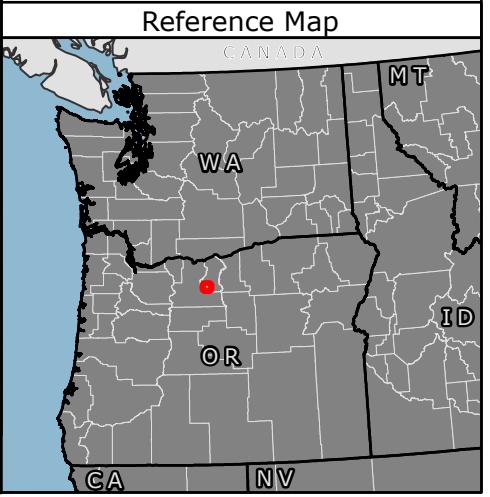
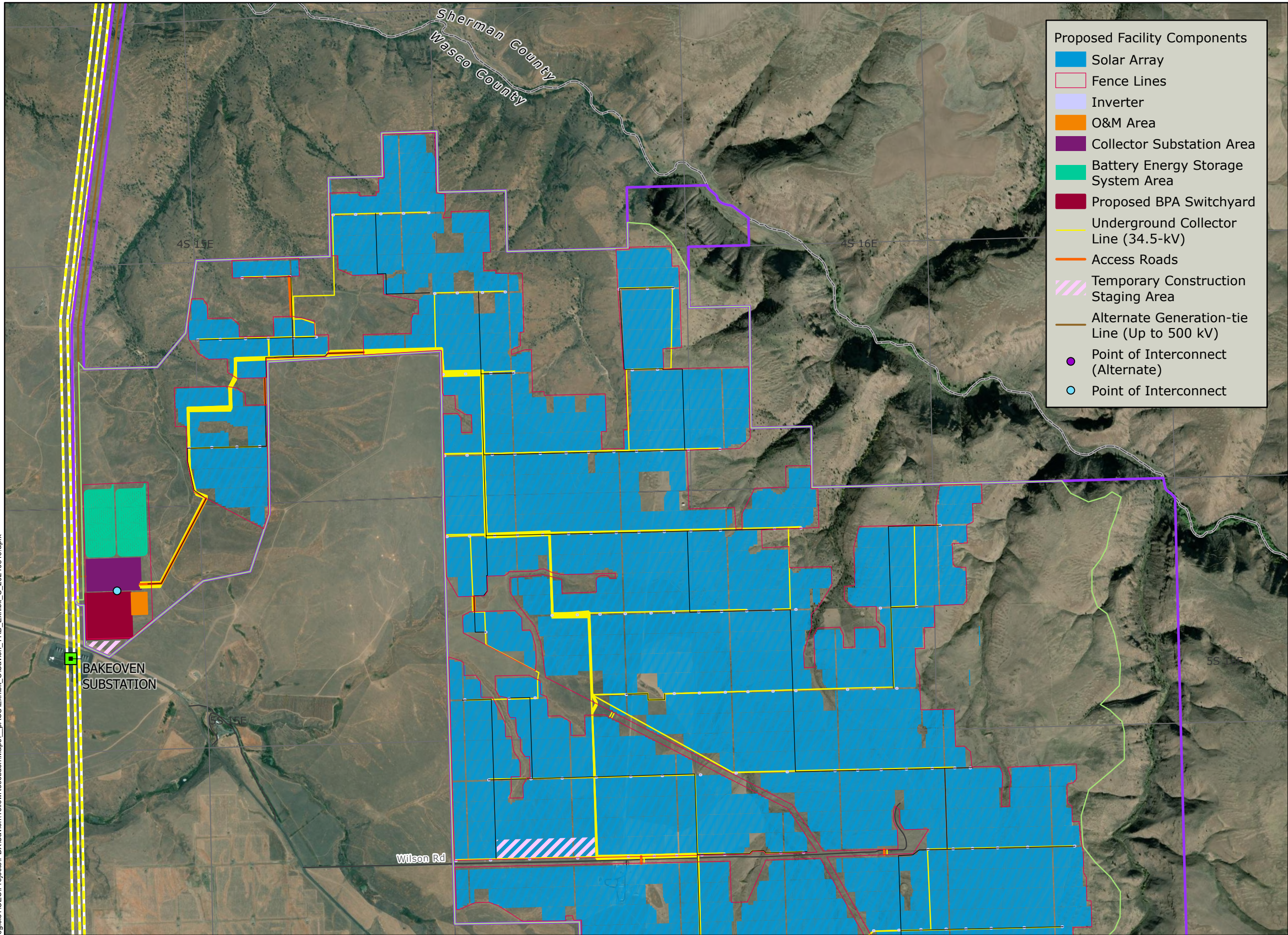
# Yellow Rosebush Energy Center

## Figure C-2.2 Facility Layout Details

SHERMAN AND WASCO COUNTIES, OR

- Proposed Facility Components**
- Solar Array
  - Fence Lines
  - Inverter
  - O&M Area
  - Collector Substation Area
  - Battery Energy Storage System Area
  - Proposed BPA Switchyard
  - Underground Collector Line (34.5-kV)
  - Access Roads
  - Temporary Construction Staging Area
  - Alternate Generation-tie Line (Up to 500 kV)
  - Point of Interconnect (Alternate)
  - Point of Interconnect

- Facility Site Boundary
- Micrositing Corridor
- County Boundary
- Section
- Township/Range
- Local Roads
- Existing Transmission Line 500-kV
- Existing Substation



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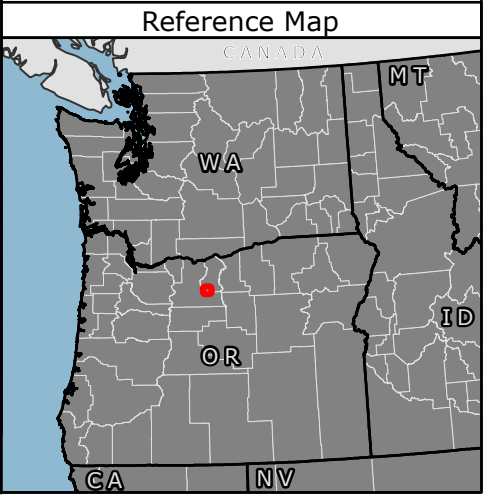
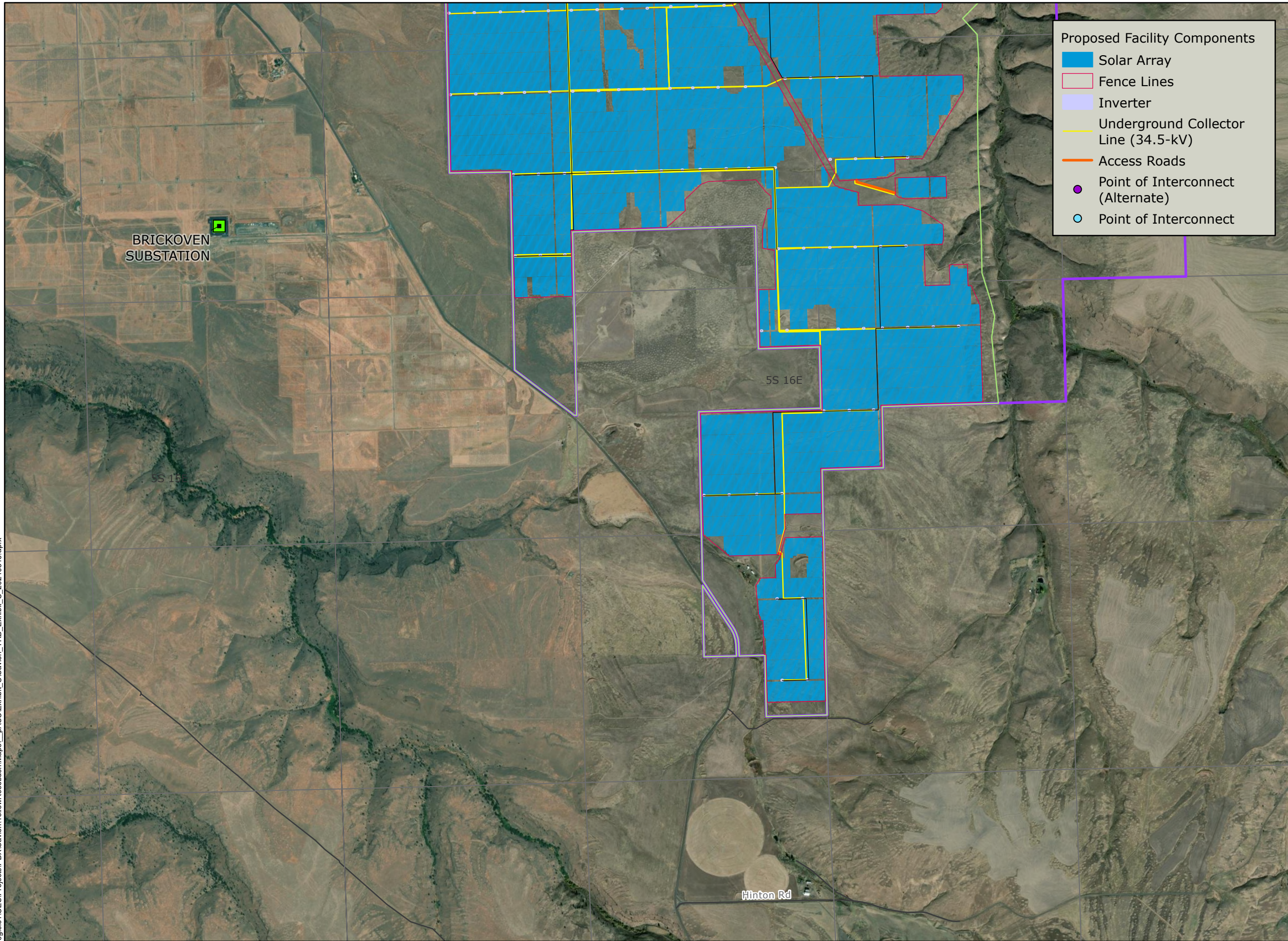
# Yellow Rosebush Energy Center

## Figure C-2.3 Facility Layout Details

SHERMAN AND WASCO COUNTIES, OR

- Proposed Facility Components**
- Solar Array
  - Fence Lines
  - Inverter
  - Underground Collector Line (34.5-kV)
  - Access Roads
  - Point of Interconnect (Alternate)
  - Point of Interconnect

- Facility Site Boundary
- Micrositing Corridor
- County Boundary
- Section
- Township/Range
- Local Roads
- Existing Transmission Line 500-kV
- Existing Substation

















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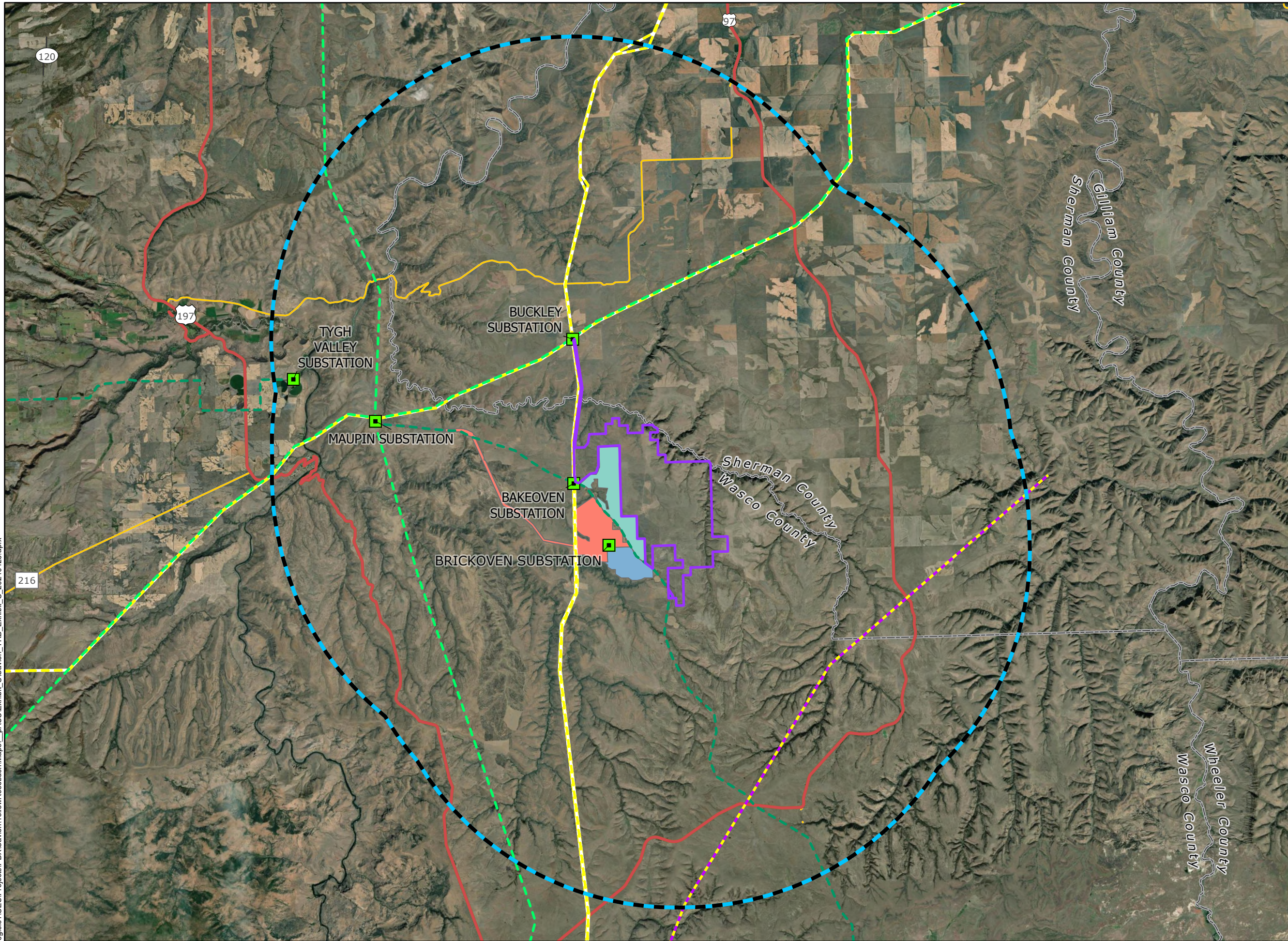
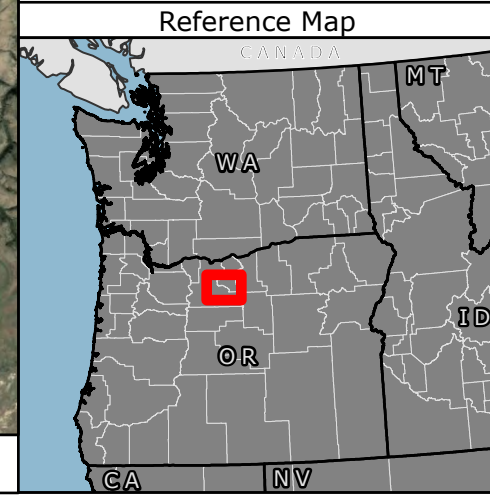
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# Yellow Rosebush Energy Center

## Figure C-3 Energy Facilities within 10 miles

SHERMAN AND WASCO  
COUNTIES, OR

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

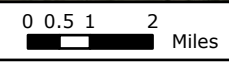


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