

June 8, 2023

Ms. Kellen Tardaewether
Oregon Department of Energy
550 Capitol Street NE, 1st Floor
Salem, OR 97301

Re: Request for Amendment 1 for the Boardman to Hemingway Transmission Line Project

Dear Ms. Tardaewether,

Idaho Power Company (Certificate Holder), a wholly owned subsidiary of IDACORP, Inc. is requesting an amendment (RFA 1) to the Boardman to Hemingway Transmission Line Project (Project) Site Certificate. The Project consists of approximately 300 miles of high-voltage electric transmission line between the proposed Longhorn Station near Boardman, Oregon, and the Hemingway Substation in southwestern Idaho.

IPC is submitting this RFA 1 to amend the site boundary approved in the Site Certificate to accommodate: (a) re-location of the transmission line on three properties based on IPC's coordination and agreement with the affected landowners; and (b) refinement of the location of certain roads resulting from additional design and engineering review.

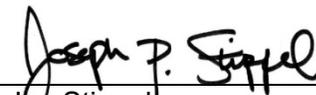
The materials delivered as part of RFA 1 include:

- PDF and Word versions of the RFA 1, delivered electronically via a Microsoft Teams site
- Two (2) printed hard copies mailed to ODOE office in Salem, OR

The Certificate Holder submits RFA 1 pursuant to Oregon Administrative Rule (OAR) 345-027-0350(4)(c) or "Type A" amendment review process because IPC is proposing to design, construct, and operate a portion of the Project in a manner that is different from the description in the Site Certificate and because IPC is requesting changes to several site certificate conditions.

Thank you for your consideration. We look forward to working with you during the amendment process. Please feel free to contact Joe Stippel [(208)-388-2675] or Zach Funkhouser [(208) 388-5375] at any time with any questions or comments regarding this RFA 1.

Sincerely,



Joe Stippel
Idaho Power Company



Zach Funkhouser

Request for Amendment #1

Boardman to Hemingway Transmission Line Project

Prepared for:



*1221 West Idaho Street
Boise, Idaho 83702*

Prepared by:

Tetra Tech

*3380 Americana Terrace, Suite 201
Boise, ID 83706
(208) 389-1030*

May 2023

TABLE OF CONTENTS

1	INTRODUCTION.....	1
1.1	Project Summary and Request.....	1
1.2	Procedural History.....	1
2	AMENDMENT DETERMINATION AND APPLICABLE REVIEW PROCESS.....	1
2.1	Amendment Required for Change to Site Certificate Conditions.....	1
2.2	Application of Type A Review Process.....	2
3	CERTIFICATE HOLDER INFORMATION.....	2
3.1	Name of the Facility.....	2
3.2	Name and Mailing Address of the Certificate Holder.....	3
3.3	Name and Mailing Address of the Individuals Responsible for Submitting the Request.....	3
4	DESCRIPTION OF PROPOSED CHANGE.....	3
4.1	Effect on the Facility.....	4
4.2	Effect on Protected Resources or Interests.....	6
4.3	Location of the Proposed Change.....	6
5	DIVISION 21 INFORMATION.....	6
5.1	Project Description.....	6
5.1.1	Corridor Selection Assessment.....	6
5.1.2	Information Required for Transmission Line Projects – Length of Transmission Line.....	8
5.2	Project Location.....	8
5.2.1	Maps of the Proposed Changes.....	8
5.2.2	Location Description.....	9
5.2.3	Segment 1 – Morrow County.....	9
5.2.4	Segment 2 – Umatilla County.....	10
5.2.5	Segment 3 – Union County.....	11
5.2.6	Segment 4 – Baker County.....	12
5.2.7	Segment 5 – Malheur County.....	14
5.3	Waters of this State.....	14
5.3.1	Surveys and Removal-Fill Permitting.....	15
5.3.2	Description and Location of Waters of this State.....	15
5.3.3	Impacts to Waters of this State.....	15
5.3.4	Description of Significance of Impacts to Waters of this State.....	17
5.3.5	Why Removal-Fill Authorization is Not Needed.....	17
5.3.6	Information to Support Removal-Fill Authorization.....	18
6	PROPOSED CHANGES TO SITE CERTIFICATE.....	18
7	APPLICABLE STATUTES, RULES, STANDARDS, AND ORDINANCES.....	20
7.1	Division 22 Standards Discussed in Detail.....	51
7.1.1	Structural Standard – OAR 345-022-0020.....	51
7.1.2	Soil Protection – OAR 345-022-0022.....	52
7.1.2.1	Background Review.....	52
7.1.2.2	Surveys.....	53
7.1.2.3	Findings.....	53
7.1.2.4	Conclusion.....	55
7.1.3	Land Use – OAR 345-022-0030.....	55

7.1.3.1	Morrow County Applicable Substantive Criteria and Comprehensive Plan	55
7.1.3.2	Umatilla County Applicable Substantive Criteria and Comprehensive Plan	61
7.1.3.3	Union County Applicable Substantive Criteria and Comprehensive Plan	67
7.1.3.4	Baker County Applicable Substantive Criteria and Comprehensive Plan	72
7.1.3.5	Malheur County Applicable Substantive Criteria and Comprehensive Plan	74
7.1.3.6	City of North Powder Applicable Substantive Criteria and Comprehensive Plan	77
7.1.3.7	City of Huntington Applicable Substantive Criteria and Comprehensive Plan	77
7.1.3.8	Updated Applicable Substantive Criteria	77
7.1.3.9	New Applicable Substantive Criteria	84
7.1.3.10	Directly Applicable Statutes and Administrative Rules	90
7.1.3.11	Statewide Planning Goals	91
7.1.3.12	Goal 4 Exception	91
7.1.3.13	Federal Land Management Plans	92
7.1.4	Protected Areas – OAR 345-022-0040	92
7.1.5	Fish and Wildlife Habitat – OAR 345-022-0060	94
7.1.5.1	Background Review	94
7.1.5.2	Surveys	95
7.1.5.3	Findings	96
7.1.5.4	Conclusion	98
7.1.6	Threatened and Endangered Species – OAR 345-022-0070	99
7.1.6.1	Background Review	99
7.1.6.2	Surveys	101
7.1.6.3	Findings	103
7.1.6.4	Conclusion	103
7.1.7	Scenic Resources – OAR 345-022-0080	103
7.1.8	Historical, Cultural and Archaeological Resources – OAR 345-022-0090	104
7.1.8.1	Background Review	104
7.1.8.2	Surveys	105
7.1.8.3	Findings	115
7.1.8.4	Conclusion	115
7.1.9	Recreation – OAR 345-022-0100	115
7.1.10	Wildfire Prevention and Risk Mitigation – OAR 345-022-0115	117
7.2	Other Standards and Laws	118
7.2.1	Noise Control Regulations – OAR 340-035-0035	118
7.2.1.1	Methods	118
7.2.1.2	Construction, Regular Maintenance, and Helicopter Noise	118
7.2.1.3	Corona Noise	119
7.2.1.4	Quiet Areas	122
7.2.1.5	Impulse Sound	122
7.2.1.6	Measures to Reduce Noise Levels or Noise Impacts, or to Address Complaints	123
7.2.1.7	Monitoring	123
7.2.1.8	List of Noise Sensitive Properties	123
7.2.2	Removal-Fill Law	123

8	PROPERTY OWNERS OF RECORD – OAR 345-027-0360(1)(F)	124
9	CONCLUSION	124
10	REFERENCES.....	124

LIST OF TABLES

Table 4.1-1. Proposed Site Boundary Additions	5
Table 5.2-1. Summary of Proposed Site Boundary Additions – Morrow County	10
Table 5.2-2. Acres of Land Disturbed during Construction and Operation - Morrow County	10
Table 5.2-3. Summary of Proposed Site Boundary Additions – Umatilla County	11
Table 5.2-4. Acres of Land Disturbed during Construction and Operation – Umatilla County	11
Table 5.2-5. Summary of Proposed Site Boundary Additions – Union County	12
Table 5.2-6. Acres of Land Disturbed during Construction and Operation – Union County	12
Table 5.2-7. Summary of Proposed Site Boundary Additions – Baker County	13
Table 5.2-8. Acres of Land Disturbed during Construction and Operation – Baker County	13
Table 5.2-9. Summary of Proposed Site Boundary Additions – Malheur County	14
Table 5.2-10. Acres of Land Disturbed during Construction and Operation – Malheur County ..	14
Table 5.3-1. Estimated Temporary and Permanent Impacts on Delineated Waters of this State for RFA 1	16
Table 5.3-2. Estimated Temporary and Permanent Impacts on Non-Delineated Waters of this State for RFA 1	16
Table 6-1. Summary of Proposed Changes to Site Certificate Conditions	18
Table 7-1. Standards and Laws Relevant to Proposed Amendment.....	21
Table 7.1-1. Soil Orders within the Site Boundary of RFA 1	53
Table 7.1-2. High Value Farmland Soils within Site Boundary of RFA 1	54
Table 7.1-3. Erosion Factors in RFA 1 Construction Disturbance Area	54
Table 7.1-4. Soil Reclamation Factors in RFA 1 Construction Disturbance Area.....	55
Table 7.1-5. Morrow County Applicable Substantive Criteria.....	56
Table 7.1-6. Umatilla County Applicable Substantive Criteria.....	62
Table 7.1-7. Union County Applicable Substantive Criteria	67
Table 7.1-8. Baker County Applicable Substantive Criteria	72
Table 7.1-9. Malheur County Applicable Substantive Criteria.....	75
Table 7.1-10. Comparison of Updated Applicable Substantive Criteria and Archived Applicable Substantive Criteria Previously Analyzed with the ASC.....	78
Table 7.1-11. Biological Resources Surveys	95
Table 7.1-12. Habitat Categorization of RFA 1 Proposed Site Boundary Additions	97
Table 7.1-13. Temporary and Permanent Impact Calculations.....	98
Table 7.1-14. State Listed Threatened and Endangered Species Potentially Present within the Analysis Area	100
Table 7.1-15. Status and Results of Surveys by Proposed Site Boundary Additions	102
Table 7.1-16. Potentially Impacted Resources	107
Table 7.2-1. Summary of Acoustic Modeling Results for the Proposed Site Boundary Additions	121

LIST OF FIGURES

Figure 1-1. Project Overview
Figure 4-1. RFA 1 Proposed Site Boundary Additions (Alternative Routes)
Figure 4-2. RFA 1 Proposed Site Boundary Additions (Access Roads)
Figure 5-1. Wetlands and Other Waters (Alternative Routes)
Figure 5-2. Wetlands and Other Waters (Access Roads)
Figure 7-1. Geology (Alternative Routes)
Figure 7-2. Geology (Access Roads)
Figure 7-3. Soils (Alternative Routes)
Figure 7-4. Soils (Access Roads)
Figure 7-5. Morrow County Zoning
Figure 7-6. Umatilla County Zoning
Figure 7-7. Union County Zoning
Figure 7-8. Union County Timber-Grazing Zone
Figure 7-9. Baker County Zoning
Figure 7-10. Malheur County Zoning
Figure 7-11. Protected Areas
Figure 7-12. Protected Areas– Viewshed
Figure 7-13. Fish and Wildlife Habitat (Alternative Routes)
Figure 7-14. Fish and Wildlife Habitat (Access Roads)
Figure 7-15. Scenic Resources – Viewshed
Figure 7-16. Scenic Resources
Figure 7-17. RFA1 Cultural Survey Status (Alternative Routes)
Figure 7-18. RFA1 Cultural Survey Status (Access Roads)
Figure 7-19. Inventoried Recreation Opportunities
Figure 7-20. Inventoried Recreation Opportunities – Viewshed
Figure 7-21. Location of NSR 3
Figure 7-22. Location of NSR 5010
Figure 8-1. Property Owners of Record

LIST OF ATTACHMENTS

Attachment 4-1. RFA 1 Supplement to Final Order Attachment B-5 Appendix A
Attachment 6-1. Red-lined Site Certificate
Attachment 7-1. Soil Properties by Soil Map Unit
Attachment 7-2. Identification, Assessment, and Visual Analysis of Protected Areas
Attachment 7-3. 2022 Washington Ground Squirrel Survey Report (**Confidential**)
Attachment 7-4. 2021 and 2022 Terrestrial Visual Encounter Survey (Wildlife) Report
(**Confidential**)
Attachment 7-5. 2022 Pygmy Rabbit Survey Report
Attachment 7-6. 2022 Special Status Plants Survey Report
Attachment 7-7. 2022 Noxious Weed Surveys
Attachment 7-8. Interim Report: 2022-2023 Pre-Construction Avian Surveys for the Boardman
to Hemingway Project
Attachment 7-9. Redline Attachment P1-6 Habitat Mitigation Plan
Attachment 7-10. Scenic Resource Analysis
Attachment 7-11. Initial Class III Report (**Confidential**)
Attachment 7-12. Oregon Visual Assessment of Historic Properties Report (**Confidential**)

- Attachment 7-13. Project Alignment Maps with Intensive Level Survey Resources (**Confidential**)
- Attachment 7-14. Redline Attachment S-9 Inventory Tables
- Attachment 7-15. Recreational Opportunities in the Analysis Area and Importance Assessment
- Attachment 7-16. Wildfire Mitigation Plan
- Attachment 7-17. RFA 1 Potential Noise Receptor Locations and Supplement to Final Order
Attachment X-4
- Attachment 8-1. Property Owners of Record

ACRONYMS AND ABBREVIATIONS

ACEC	Area of Critical Environmental Concern
ASC	Application for Site Certificate
BCZSO	Baker County Zoning and Subdivision Ordinance
BLM	Bureau of Land Management
CHZO	City of Huntington Zoning Ordinance
CI	Commercial Industrial
COB	COB Energy Facility LLC
CR	Commercial Residential
Council or EFSC	Energy Facility Siting Council
CTUIR	Confederated Tribes of the Umatilla Indian Reservation
dBA	A-weighted decibels
EFU	Exclusive Farm Use
ESH	Essential Salmonid Habitat
HAC	Historical, Archeological or Cultural
HPMP	Historic Properties Management Plan
IPC; Certificate Holder	Idaho Power Company
JPA	Joint Permit Application
kV	kilovolt
LiDAR	light detection and ranging
MCC	Malheur County Code
MCCP	Morrow County Comprehensive Plan
MCZO	Morrow County Zoning Ordinance
MP	Monitoring Point
NED	National Elevation Dataset
NEPA	National Environmental Policy Act
NHD	National Hydrography Dataset
NRCS	Natural Resources Conservation Service
NRHP	National Register of Historic Places
NSR	noise-sensitive receptor
NWI	National Wetlands Inventory
NWSTF Boardman	Naval Weapons Systems Training Facility – Boardman
OAR	Oregon Administrative Rules
ODEQ	Oregon Department of Environmental Quality
ODFW	Oregon Department of Fish and Wildlife
ODOE	Oregon Department of Energy
ODSL	Oregon Department of State Lands
ORS	Oregon Revised Statutes
PA	Programmatic Agreement
Project; B2H	Boardman to Hemingway Transmission Line Project
RFA 1	Request for Amendment 1
RSA	Rural Service Area
SHPO	State Historic Preservation Office
SLIDO	Statewide Landslide Information Database for Oregon
STATSGO	State Soil Geographic Database
UCCP	Umatilla County Comprehensive Plan

UCDO	Umatilla County Development Ordinance
UCZPSO	Union County Zoning, Partition, and Subdivision Ordinance
USDA	U.S. Department of Agriculture
USFS	U.S. Department of Agriculture, Forest Service
USGS	U.S. Geological Survey
WAGS	Washington ground squirrel
ZVI	zone of visual influence

1 INTRODUCTION

1.1 Project Summary and Request

Idaho Power Company (IPC or Certificate Holder) has a site certificate to construct, operate, and maintain the Boardman to Hemingway 500-kilovolt (kV) transmission line (Project). The Project consists of approximately 300 miles of high-voltage electric transmission line between the proposed Longhorn Station near Boardman, Oregon, and the Hemingway Substation in southwestern Idaho. The Project is sited across approximately 275 miles in Oregon and 24 miles in Idaho. The Project includes construction of a single-circuit 500-kV transmission line, removal of approximately 12 miles of existing 69-kV transmission line, rebuilding of approximately 1 mile of a 230-kV transmission line, and rebuilding of approximately 1 mile of an existing 138-kV transmission line.

IPC is submitting this Preliminary Request for Amendment 1 (RFA 1) to amend the site boundary approved in the Site Certificate (the “Previously Approved Site Boundary”) to accommodate: (a) re-location of the transmission line on three properties based on IPC’s coordination and agreement with the affected landowners; and (b) refinement of the location of certain roads resulting from additional design and engineering review (the “Proposed Site Boundary Additions”). This includes approximately 8.8 miles of 500-kV transmission line alternatives (Figure 1-1), and 33.8 miles of access road changes associated with the Previously Approved Site Boundary. The Proposed Site Boundary Additions cover 1,036 acres and are described in detail in Section 4.0 below.

1.2 Procedural History

The Oregon Energy Facility Siting Council (EFSC or Council) approved a site certificate for the Project on September 27, 2022 (Site Certificate). This is IPC’s first request for an amendment to the Site Certificate.

2 AMENDMENT DETERMINATION AND APPLICABLE REVIEW PROCESS

2.1 Amendment Required for Change to Site Certificate Conditions

OAR 345-027-0350. Changes Requiring an Amendment

Except for changes allowed under OAR 345-027-0353, an amendment to a site certificate is required to:

- (1) Transfer ownership of the facility or the certificate holder as described in OAR 345-027-0400;*
- (2) Apply later-adopted law as described in OAR 345-027-0390;*
- (3) Extend the construction beginning or completion deadline as described in OAR 345-027-0385;*
- (4) Design, construct, or operate a facility in a manner different from the description in the site certificate, if the proposed change:*

- (a) *Could result in a significant adverse impact that the Council has not addressed in an earlier order and the impact affects a resource or interest protected by an applicable law or Council standard;*
- (b) *Could impair the certificate holder's ability to comply with a site certificate condition; or*
- (c) *Could require a new condition or a change to a condition in the site certificate.*

IPC is submitting this RFA 1 per Oregon Administrative Rule (OAR) 345-027-0350(4)(c), because IPC is proposing to design, construct, and operate a portion of the Project in a manner that is different from the description included in the Site Certificate and is proposing several changes to Site Certificate Conditions. Specifically, IPC is proposing to amend the Previously Approved Site Boundary by adding the Proposed Site Boundary Additions as alternative corridors to accommodate: (a) requests by three landowners to re-locate the Project on their land; and (b) refinements of the Project roads based on additional engineering and design review. In addition to the Proposed Site Boundary Additions, IPC is proposing several changes to Site Certificate Conditions as summarized in Section 6 and detailed in Attachment 6-1.

2.2 Application of Type A Review Process

OAR 345-027-0351(2): The type A review process, consisting of OAR 345-027-0359, 345-027-0360, 345-027-0363, 345-027-0365, 345-027-0367, 345-027-0371 and 345-027-0375, is the default review process and applies to the Council's review of a request for amendment proposing a change described in OAR 345-027-0350(2), (3), or (4).

Because IPC is seeking an amendment proposing a change described in OAR 345-027-0350(4), the Type A review process is the default review process and applies to the Council's review of RFA 1. Pursuant to OAR 345-027-0051(2), the terms of the Type A review process are set forth in OAR 345-027-0359, OAR 345-027-0360, OAR 345-027-0363, OAR 345-027-0365, OAR 345-027-0367, OAR 345-027-0371, and OAR 345-027-0375.

3 CERTIFICATE HOLDER INFORMATION

OAR 345-027-0060(1) sets forth the requirements for a request for amendment.

OAR 345-027-0360(1): To request an amendment to the site certificate required by OAR 345-027-0050(3) or (4), the certificate holder must submit a written preliminary request for amendment to the Department that includes the following:

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

...

3.1 Name of the Facility

The name of the facility is the Boardman to Hemingway Transmission Line Project.

3.2 Name and Mailing Address of the Certificate Holder

The name and mailing address of the Certificate Holder is:

Idaho Power Company
1221 W. Idaho Street
Boise, ID 83702-5627

IPC is a wholly owned subsidiary of IDACORP, Inc.:

IDACORP, Inc.
1221 W. Idaho Street
Boise, ID 83702-5627

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

The names, mailing addresses, email addresses, and phone numbers of the individuals responsible for submitting this RFA 1 on behalf of IPC are:

Joe Stippel, Project Manager
Idaho Power Company
1221 W. Idaho Street
Boise, ID 83702-5627
JStippel@IdahoPower.com
(208) 388-2675

Zach Funkhouser, Resource Professional Leader
Idaho Power Company
1221 W. Idaho Street
Boise, ID 83702-5627
ZFunkhouser@IdahoPower.com
(208) 388-25375

4 DESCRIPTION OF PROPOSED CHANGE

OAR 345-027-0360(1): To request an amendment to the site certificate required by OAR 345-027-0350(3) or (4), the certificate holder must submit a written preliminary request for amendment to the Department that includes the following:

...

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

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

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

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

OAR 345-027-0360(1)(b) requires a description of the proposed change, including a description of the effect on the facility, the effect on protected resources and interests, and the location of the proposed change.

4.1 Effect on the Facility

OAR 345-027-0360(1)(b)(A): A description of how the proposed change affects the facility;

The Project, as approved, is a yet-to-be constructed electrical transmission line facility. Since the submission of the Application for Site Certificate (ASC) for the Project, IPC worked with certain landowners to identify an alternative route on their respective properties that would minimize impacts to the landowners while also meeting IPC's design criteria and avoiding impacts to sensitive resources. In addition, based on further design and engineering review, IPC has refined the location of several roads associated with the Project as approved in the Site Certificate. IPC is including road design changes in this RFA 1 where the changes extend outside of the Previously Approved Site Boundary.

The Proposed Site Boundary Additions would be in general proximity to the Previously Approved Site Boundary, be constructed of the same materials and components previously described in Exhibit B of the ASC and approved by the Council in its Final Order, and affect or occur in similar fish and wildlife habitat types, topography, and land uses to those previously considered. Accordingly, as discussed in more detail in Sections 5 through 8 below, the Proposed Site Boundary Additions will neither create significant new impacts, affect interests protected by the Council's siting standards, nor alter the basis of the Council's previous findings that the Project complies with all applicable laws and standards.

IPC is requesting that the Proposed Site Boundary Additions be represented as alternative routes, allowing IPC the option to develop either the alternatives or the original routes, depending on the outcome of further discussions between IPC and the landowners.

The Proposed Site Boundary Additions are summarized below in Table 4.1-1.

Table 4.1-1. Proposed Site Boundary Additions

Proposed Site Boundary Additions	County	Length of Addition – Transmission Line (miles)	Length of Addition – Access Road (miles)	Area of Addition (acres)	Description of Site Boundary Addition
Little Juniper Canyon Transmission Line Alternative ¹	Morrow	1.4	1.4	78.7	Shifted transmission line to the west to minimize impacts to proposed solar facility
Access Road Changes in Morrow County	Morrow	NA	4.2	61.9	Road design changes
Access Road Changes in Umatilla County	Umatilla	NA	3.4	71.3	Road design changes
Access Road Changes in Union County	Union	NA	1.8	36.7	Road design changes
True Blue Gulch Transmission Line Alternative ²	Baker	4.6	8.6	422.8	Adjusted transmission line to the west and south to minimize noise and visual impacts
Durbin Quarry Transmission Line Alternative ³	Baker	2.8	2.1	130.0	Shifted transmission line to avoid crossing ODOT quarry
Access Road Changes in Baker County	Baker	NA	17.0	95.5	Road design changes
Access Road Changes in Malheur County	Malheur	NA	7.4	139.1	Road design changes
TOTAL	NA	8.8	45.9	1,036.0	NA

ODOT = Oregon Department of Transportation

¹ The Little Juniper Canyon Transmission Line Alternative would be an alternative to 1.3 miles of Previously Approved transmission line.

² The True Blue Gulch Transmission Line Alternative would be an alternative to 2.9 miles of Previously Approved transmission line.

³ The Durbin Quarry Transmission Line Alternative would be an alternative to 2.8 miles of Previously Approved transmission line.

4.2 Effect on Protected Resources or Interests

OAR 345-027-0360(1)(b)(B): A description of how the proposed change affects those resources or interests protected by applicable laws and Council standards, and

In Sections 5 through 8 below, IPC discusses in detail how the Proposed Site Boundary Additions will affect resources and interests protected by applicable laws and the Council standards.

4.3 Location of the Proposed Change

OAR 345-027-0360(1)(b)(C): The specific location of the proposed change, and any updated maps and/or geospatial data layers relevant to the proposed change;

The specific locations of the Proposed Site Boundary Additions are shown in Figure 4-1 and Figure 4-2 and summarized in Table 4.1-1. Attachment 4-1 includes a table of roads proposed in RFA 1 to supplement the table found in Final Order Attachment B-5 Road Classification and Access Control Plan Appendix A. In Section 5.2, IPC further describes the locations of the Proposed Site Boundary Additions in relation to information requested under OAR 345-021-0010(1)(c).

5 DIVISION 21 INFORMATION

OAR 345-027-0360(1): To request an amendment to the site certificate required by OAR 345-027-0350(3) or (4), the certificate holder shall submit a written preliminary request for amendment to the Department that includes the following:

...

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

IPC has identified certain Division 21 ASC information related to the Project Description, the Project Location, and Waters of this State that may be required for the Council to make its findings on this RFA 1.

5.1 Project Description

The Exhibit B requirements of OAR 345-021-0010(1)(b) require an applicant to provide certain information related to the description of the project. IPC has identified below those subsections of that provision that may be required for the Department to make its findings on this amendment request.

5.1.1 Corridor Selection Assessment

OAR 345-021-0010(1)(b)(D): If the proposed energy facility is a pipeline or a transmission line or has, as a related or supporting facility, a transmission line or pipeline that, by itself, is an energy facility under the definition in ORS 469.300, a corridor selection assessment explaining how the applicant selected the corridors for analysis in the application. In the assessment, the

applicant must evaluate the corridor adjustments the Department has described in the project order, if any. The applicant may select any corridor for analysis in the application and may select more than one corridor. However, if the applicant selects a new corridor, then the applicant must explain why the applicant did not present the new corridor for comment at an informational meeting under OAR 345-015-0130. In the assessment, the applicant must discuss the reasons for selecting the corridors, based upon evaluation of the following factors:

...

IPC underwent an extensive siting process over several years, evaluating several routing and re-routing options to avoid as many identified constraints and sensitive resources as practicable. The result of IPC's siting studies, and consideration of the outcome of the federal review process, resulted in the proposed and alternative routes identified in the ASC.

Following the submission of the ASC, IPC has continued to communicate with the landowners affected by the Project. In the case of the landowners affected by this RFA 1, IPC and the landowners have identified an alternative route on their respective property that would minimize impacts to the landowners while also meeting IPC's design criteria and avoiding impacts to sensitive resources. The Proposed Site Boundary Additions occur in general proximity to the routes approved in the Site Certificate and within the original ASC corridor selection assessments.¹

OAR 345-021-0010(1)(b)(D)(i): Least disturbance to streams, rivers and wetlands during construction;

IPC has designed the Proposed Site Boundary Additions to avoid impacts to streams, rivers, and wetlands to the maximum extent practicable. Details on the occurrence of and impacts on Waters of this State are provided in Section 5.3 and Section 7.2.2 below.

OAR 345-021-0010(1)(b)(D)(ii): Least percentage of the total length of the pipeline or transmission line that would be located within areas of Habitat Category 1, as described by the Oregon Department of Fish and Wildlife;

The Proposed Site Boundary Additions will avoid all Category 1 habitat, as explained in Section 7.1.5 below.

OAR 345-021-0010(1)(b)(D)(iii): Greatest percentage of the total length of the pipeline or transmission line that would be located within or adjacent to public roads and existing pipeline or transmission line rights-of-way;

The Proposed Site Boundary Additions do not include co-locating with existing rights-of-way, because the changes are relatively short in length and because IPC was focused on addressing individual landowner concerns on their particular parcels and not on re-visiting project-wide efforts to co-locate.

OAR 345-021-0010(1)(b)(D)(iv): Least percentage of the total length of the pipeline or transmission line that would be located within lands that require zone changes, variances or exceptions;

¹ See ASC, Exhibit B, and associated siting studies at Attachments B-1, B-2, B-3, B-4, and B-6.

The Proposed Site Boundary Additions minimize zoning changes, variances or exceptions, which are discussed in detail in Section 7.1.3 below.

OAR 345-021-0010(1)(b)(D)(v): Least percentage of the total length of the pipeline or transmission line that would be located in a protected area as described in OAR 345-022-0040;

The Proposed Site Boundary Additions will not be located in any protected areas, as discussed in more detail in Section 7.1.4 below.

OAR 345-021-0010(1)(b)(D)(vi): Least disturbance to areas where historical, cultural or archaeological resources are likely to exist;

The Proposed Site Boundary Additions will avoid impacts on historical, cultural, or archaeological resources to the maximum extent practicable, as discussed in more detail in Section 7.1.8 below.

OAR 345-021-0010(1)(b)(D)(vii): Greatest percentage of the total length of the pipeline or transmission line that would be located to avoid seismic, geological and soils hazards;

The Proposed Site Boundary Additions will avoid seismic, geological, and soils hazards, as discussed in more detail in Sections 7.1.1 and 7.1.2 below.

OAR 345-021-0010(1)(b)(D)(viii): Least percentage of the total length of the pipeline or transmission line that would be located within lands zoned for exclusive farm use;

The Proposed Site Boundary Additions will avoid lands zoned as exclusive farm use (EFU) where practicable, as discussed in more detail in Section 7.1.3.

5.1.2 Information Required for Transmission Line Projects – Length of Transmission Line

OAR 345-021-0010(1)(b)(E): If the proposed energy facility is a pipeline or transmission line or has, as a related or supporting facility, a transmission line or pipeline of any size:

(i) The length of the pipeline or transmission line;

...

The length of the transmission line provided in the Proposed Site Boundary Additions is included in Table 4.1-1, totaling 8.8 miles of transmission line centerline.

5.2 Project Location

The Exhibit C provisions of OAR 345-021-0010(1)(c) require an applicant to provide certain information related to the project location. IPC has identified below those subsections of that provision that may be required for the Council to make its findings on this RFA 1.

5.2.1 Maps of the Proposed Changes

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;

Figures 4-1 and 4-2 show the locations of the Proposed Site Boundary Additions and are organized by county, proceeding north to south showing the location of each proposed change. Each set of county maps includes series of detailed maps that are at a scale of 1 inch equals 1,000 feet. Project features shown include the site boundary, structure locations, and access roads. Temporary project features are also shown, including structure work areas and pulling and tensioning sites.

5.2.2 Location Description

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 Proposed Site Boundary Additions are on predominantly private lands in five counties in Oregon. Consistent with the ASC, IPC has prepared descriptions of the Proposed Site Boundary Additions by segment, with each segment summarizing the Proposed Site Boundary Additions at the county level. The Proposed Site Boundary Additions are described by number or amount of each major component and related and supporting facilities. Acreages of ground disturbance associated with those facilities is also described.

Forest-clearing activities associated with vegetation management in the right-of-way will occur in Umatilla and Union counties. The Proposed Site Boundary Additions do not include transmission line centerline changes in forested areas. To the extent that changes to roads involves forest clearing, those impacts will be inventoried and included in the Final Right-of-Way Clearing Assessment prior to construction and in accordance with OAR 345-025-0016 and in compliance with Site Certificate Condition GEN-LU-13.

5.2.3 Segment 1 – Morrow County

The Little Juniper Canyon Alternative is located between Little Juniper Lane and Bombing Range Road approximately 3 miles south of Naval Weapons Systems Training Facility – Boardman (NWSTF Boardman). The predominant land use at the Little Juniper Canyon Alternative is dryland agriculture (Figure 4-1, Map 1). Several Proposed Site Boundary Additions in Morrow County are associated with access road design updates along the Previously Approved Site Boundary. This includes roads in agricultural areas near NWSTF Boardman (Figure 4-2, Maps 1 to 2) and roads in rangeland areas near Butter Creek (Figure 4-2, Maps 3 to 4). Table 5.2-1 identifies the major components and related and supporting facilities associated with each of the site boundary changes in Morrow County. Table 5.2-2 summarizes the amount of ground disturbance associated with the Proposed Site Boundary Additions in Morrow County.

Table 5.2-1. Summary of Proposed Site Boundary Additions – Morrow County

Project Features	Little Juniper Canyon Alternative	Access Road Changes	Total Number of Sites
Towers – Single Circuit 500-kV Lattice	4	-	4
Pulling and Tensioning Sites	2	-	2
Access Roads			Total Miles
Existing, 21-70% Improved	1.0	0.9	1.9
Existing, 71-100% Improved	-	-	-
New, Bladed	0.2	1.8	2.0
New, Overland	0.2	0.1	0.3
Crossings			Number of Crossings
High-Voltage Transmission Line Crossings ¹	-	-	0
Existing Road Crossings ²	1	-	1
Existing Railroad Crossings ³	-	-	0

¹ Source: ABB Ventyx (2016) and Idaho Power Company; includes only transmission lines over 69 kV.

² Source: U.S. Census (2020), primary and secondary highways.

³ Source: Oregon Department of Transportation (2014).

Table 5.2-2. Acres of Land Disturbed during Construction and Operation - Morrow County

Proposed Site Boundary Additions/Project Component	Land Affected During Construction (acres)	Land Reclaimed After Construction (acres)	Land Permanently Converted to Operations (acres)
Little Juniper Canyon Alternative			
Access Roads – New or Substantial Improvements	3.2	0.9	2.3
Structure and Other Work Areas	10.7	10.5	0.2
<i>Subtotal</i>	<i>14.0</i>	<i>11.5</i>	<i>2.5</i>
Access Road Changes			
Access Roads – New or Substantial Improvements	9.8	5.0	4.8
<i>Subtotal</i>	<i>9.8</i>	<i>5.0</i>	<i>4.8</i>
Morrow County – Total	23.8	16.4	7.3

Note: Acreages are rounded and may not sum exactly.

5.2.4 Segment 2 – Umatilla County

The Proposed Site Boundary Additions in Umatilla County are limited to access road design updates along the Previously Approved Site Boundary in open rangeland and forested areas (Figure 4-2, Maps 5 to 11). Table 5.2-3 identifies the major components and related and supporting facilities associated with each of the Proposed Site Boundary Additions in Umatilla County. Table 5.2-4 summarizes the amount of ground disturbance associated with the Proposed Site Boundary Additions in Umatilla County.

Table 5.2-3. Summary of Proposed Site Boundary Additions – Umatilla County

Project Features	Access Road Changes	Total Number of Sites
Towers – Single Circuit 500-kV Lattice	-	-
Pulling and Tensioning Sites	-	-
Access Roads		Total Miles
Existing, 21-70% Improved	1.4	1.4
Existing, 71-100% Improved	-	-
New, Bladed	2.0	2.0
New, Overland	-	-
Crossings		Total Crossings
High-Voltage Transmission Line Crossings ¹	-	-
Existing Road Crossings ²	-	-
Existing Railroad Crossings ³	-	-

¹ Source: ABB Ventyx (2016) and Idaho Power Company; includes only transmission lines over 69 kV.

² Source: U.S. Census (2020), primary and secondary highways.

³ Source: Oregon Department of Transportation (2014).

Table 5.2-4. Acres of Land Disturbed during Construction and Operation – Umatilla County

Proposed Site Boundary Additions/Project Component	Land Affected During Construction (acres)	Land Reclaimed After Construction (acres)	Land Permanently Converted to Operations (acres)
Previously Approved Site Boundary Access Road Changes			
Access Roads – New or Substantial Improvements	11.1	5.5	5.6
<i>Subtotal</i>	<i>11.1</i>	<i>5.5</i>	<i>5.6</i>
Umatilla County – Total	11.1	5.5	5.6

Note: Acreages are rounded and may not sum exactly

5.2.5 Segment 3 – Union County

The Proposed Site Boundary Additions in Union County are limited to access road design updates along the Previously Approved Site Boundary in open rangeland and forested areas (Figure 4-2, Maps 12 to 17). Table 5.2-5 identifies the major components and related and supporting facilities associated with each of the Proposed Site Boundary Additions in Union County. Table 5.2-6 summarizes the amount of ground disturbance associated with the Proposed Site Boundary Additions in Union County.

Table 5.2-5. Summary of Proposed Site Boundary Additions – Union County

Project Features	Access Road Changes	Total Number of Sites
Towers – Single Circuit 500-kV Lattice	-	-
Pulling and Tensioning Sites	-	-
Access Roads		Total Miles
Existing, 21-70% Improved	0.3	0.3
Existing, 71-100% Improved	0.1	0.1
New, Bladed	1.4	1.4
New, Overland	-	-
Crossings		Total Crossings
High-Voltage Transmission Line Crossings ¹	-	-
Existing Road Crossings ²	0	0
Existing Railroad Crossings ³	0	0

¹ Source: ABB Ventyx (2016) and Idaho Power Company; includes only transmission lines over 69 kV.

² Source: U.S. Census (2020), primary and secondary highways.

³ Source: Oregon Department of Transportation (2014).

Table 5.2-6. Acres of Land Disturbed during Construction and Operation – Union County

Proposed Site Boundary Additions/ Project Component	Land Affected During Construction (acres)	Land Reclaimed After Construction (acres)	Land Permanently Converted to Operations (acres)
Previously Approved Site Boundary Access Road Changes			
Access Roads – New or Substantial Improvements	6.5	3.6	2.9
<i>Subtotal</i>	6.5	3.6	2.9
Union County – Total	6.5	3.6	2.9

Note: Acreages are rounded and may not sum exactly

5.2.6 Segment 4 – Baker County

The Proposed Site Boundary Additions in Baker County include two transmission line alternatives and proposed access road changes. The True Blue Gulch Alternative is approximately 4 miles southwest of Durkee and one mile south of the Burnt River Canyon in mountainous terrain (Figure 4-1, Maps 2 to 4). The True Blue Gulch Alternative includes a portion of Site Boundary that is larger than typical to allow for flexibility in the final design (Figure 4-1, Map 2). The Durbin Quarry Alternative is located on the west side Interstate 84 at Huntington in open rangeland (Figure 4-1, Maps 5 to 6). The proposed access road changes are predominantly in open rangeland settings in Baker County (Figure 4-2, Maps 18 to 27). Table 5.2-7 identifies the major components and related and supporting facilities associated with each of the Proposed Site Boundary Additions in Baker County. Table 5.2-8 summarizes the amount of ground disturbance associated with the Proposed Site Boundary Additions in Baker County.

Table 5.2-7. Summary of Proposed Site Boundary Additions – Baker County

Project Features	True Blue Gulch Alternative	Durbin Quarry Alternative	Access Road Changes	Number of Sites
Towers – Single Circuit 500-kV Lattice	14	10	-	24
Pulling and Tensioning Sites	4	4	-	8
Access Roads				Total Miles
Existing, 21-70% Improved	-	-	3.0	3.0
Existing, 71-100% Improved	4.7	-	1.8	6.5
New, Bladed	3.8	2.1	1.3	7.2
New, Overland	0.1	-	0.2	0.3
Crossings				Total Crossings
High-Voltage Transmission Line Crossings ¹	0	0		0
Existing Road Crossings ²	0	0		0
Existing Railroad Crossings ³	0	0		0

¹ Source: ABB Ventyx (2016) and Idaho Power Company; includes only transmission lines over 69 kV.

² Source: U.S. Census (2020), primary and secondary highways.

³ Source: Oregon Department of Transportation (2014).

Table 5.2-8. Acres of Land Disturbed during Construction and Operation – Baker County

Proposed Site Boundary Additions/ Project Component	Land Affected During Construction (acres)	Land Reclaimed After Construction (acres)	Land Permanently Converted to Operations (acres)
True Blue Gulch Alternative			
Access Roads – New or Substantial Improvements	33.1	18.7	14.5
Structure and Other Work Areas	37.6	37.0	0.7
<i>Subtotal</i>	<i>70.8</i>	<i>55.6</i>	<i>15.1</i>
Durbin Quarry Alternative			
Access Roads – New or Substantial Improvements	9.0	5.4	3.6
Structure and Other Work Areas	22.2	21.8	0.4
<i>Subtotal</i>	<i>31.2</i>	<i>27.2</i>	<i>4.1</i>
Previously Approved Site Boundary Access Road Changes			
Access Roads – New or Substantial Improvements	18.6	7.9	10.7
<i>Subtotal</i>	<i>18.6</i>	<i>7.9</i>	<i>10.7</i>
Baker County – Total	120.6	90.7	29.9

Note: Acreages are rounded and may not sum exactly.

5.2.7 Segment 5 – Malheur County

The Proposed Site Boundary Additions in Malheur County are limited to access road changes in open rangeland (Figure 4-2, Maps 28 to 41). Table 5.2-9 identifies the major components and related and supporting facilities associated with each of the Proposed Site Boundary Additions in Malheur County. Table 5.2-10 summarizes the amount of ground disturbance associated with the Proposed Site Boundary Additions in Malheur County.

Table 5.2-9. Summary of Proposed Site Boundary Additions – Malheur County

Project Features	Access Road Changes	Number of Sites
Towers – Single Circuit 500-kV Lattice	-	-
Pulling and Tensioning Sites	-	-
Access Roads		Total Miles
Existing, 21-70% Improved	1.9	1.9
Existing, 71-100% Improved	1.5	1.5
New, Bladed	3.7	3.7
New, Overland	0.3	0.3
Crossings		Total Crossings
High-Voltage Transmission Line Crossings ¹	-	-
Existing Road Crossings ²	-	-
Existing Railroad Crossings ³	-	-

¹ Source: ABB Ventyx (2016) and Idaho Power Company; includes only transmission lines over 69 kV.

² Source: U.S. Census (2020), primary and secondary highways.

³ Source: Oregon Department of Transportation (2014).

Table 5.2-10. Acres of Land Disturbed during Construction and Operation – Malheur County

Proposed Site Boundary Additions/Project Component	Land Affected During Construction (acres)	Land Reclaimed After Construction (acres)	Land Permanently Converted to Operations (acres)
Previously Approved Site Boundary Access Road Changes			
Access Roads – New or Substantial Improvements	25.2	12.8	12.4
<i>Subtotal</i>	<i>25.2</i>	<i>12.8</i>	<i>12.4</i>
Malheur County – Total	25.2	12.8	12.4

Note: Acreages are rounded and may not sum exactly.

5.3 Waters of this State

The Exhibit J requirements of OAR 345-021-0010(1)(j) require an applicant to provide certain information about impacts to Waters of this State. IPC has identified below those subsections of that provision that may be required for the Council to make its findings on this RFA 1.

5.3.1 Surveys and Removal-Fill Permitting

To identify any Waters of this State affected by the Proposed Site Boundary Additions, IPC applied the same methodology used in the ASC and approved by the Council in the Final Order. IPC has completed on-the-ground wetland delineations and reporting for 96 percent of the Proposed Site Boundary Additions in RFA 1 (Figure 5-1 and Figure 5-2). For those areas where IPC has not had access or has not completed on-the-ground wetland delineations and reporting, IPC utilizes desktop data from the National Wetland Inventory (NWI), the National Hydrography Dataset (NHD), and aerial photo interpretation analysis (described as Phase 1 in the ASC). Per Site Certificate Condition PRE-RF-01, prior to construction, IPC will complete all necessary surveys and submit wetland delineation reports to the Oregon Department of Energy (ODOE) and Oregon Department of State Lands (ODSL) and receive a Letter of Concurrence from the ODSL.²

IPC will submit a final Joint Permit Application (JPA), including the final Compensatory Wetland and Non-Wetland Mitigation Plan, and Site Rehabilitation Plan. Impact quantities and compensatory mitigation required for the Project will be based on the results of the completion of field surveys and final impact calculations.

5.3.2 Description and Location of Waters of this State

OAR 345-021-0010(1)(j)(A): A description of all areas within the site boundary that might be waters of this state and a map showing the location of these features;

Wetlands and waters described in the section below are located within the Proposed Site Boundary Additions. Maps showing the location of waters of this state are included in Figure 5-1 and Figure 5-2. Surveys are ongoing and delineation reports will be prepared in support of the final JPA. Therefore, Figure 5-1 and Figure 5-2 include delineated wetlands and waters where surveys have been performed; where surveys have not been completed, IPC utilized NWI and NHD data to inform this RFA 1.

5.3.3 Impacts to Waters of this State

OAR 345-021-0010(1)(j)(B): An analysis of whether construction or operation of the proposed facility would adversely affect any waters of this state;

Wetland and water delineation surveys were conducted on 96 percent of the RFA 1 Proposed Site Boundary Additions. Table 5.3-1 includes the temporary and permanent impacts to wetlands and other Waters of the State by county where field delineations occurred. In the portions of RFA 1 where surveys were not completed, NWI and NHD data were used. Because these data were gathered from desktop resources, data about the width of the waterways are unavailable as of this RFA 1 and so the calculation for potential impacts is given in linear feet

² Site Certificate Condition PRE-RF-01 provides:

The certificate holder shall:

- a. Prior to construction of a phase or segment of the facility, submit updated electronic wetland delineation report(s) to the Department and to the Oregon Department of State Lands. All wetland delineation report(s) submitted to the Oregon Department of State Lands shall follow its submission and review procedures.
- b. Prior to construction of a phase or segment of the facility, the Department must receive a Letter of Concurrence issued by the Oregon Department of State Lands referencing the applicable wetland delineation for the phase or segment of the facility.

instead of acres. The estimated impacts on waters of this state based on desktop resources are provided in Table 5.3-2.

Table 5.3-1. Estimated Temporary and Permanent Impacts on Delineated Waters of this State for RFA 1

County	Source	Field Delineated Wetland ID	Sum of Area (Acres)	
			Permanent Disturbance	Temporary Disturbance
Wetlands				
Baker	Field Delineated	BA-W-102	0.02	0.03
Baker	Field Delineated	BA-W-1106	0.01	0.01
Malheur	Field Delineated	MA-W-1000	0.03	0.00
Total			0.06	0.04
Streams				
Baker	Field Delineated	BA-ST-04	-	0.035
Baker	Field Delineated	BA-ST-05	-	0.026
Baker	Field Delineated	BA-ST-07	0.001	0.001
Baker	Field Delineated	BA-ST-1105	-	0.018
Baker	Field Delineated	BA-ST-1108	0.000	0.000
Baker	Field Delineated	BA-ST-1109	0.000	0.006
Baker	Field Delineated	BA-ST-1110	0.000	0.000
Baker	Field Delineated	BA-ST-112	0.001	0.002
Baker	Field Delineated	BA-ST-113	0.001	0.003
Baker	Field Delineated	BA-ST-500	-	0.000
Malheur	Field Delineated	MA-D-1000	0.072	0.182
Malheur	Field Delineated	MA-PR-ST-117	0.027	0.110
Malheur	Field Delineated	MA-PR-ST-126a	0.001	0.001
Malheur	Field Delineated	MA-ST-1103	0.001	0.001
Malheur	Field Delineated	MA-ST-1104	0.001	0.000
Malheur	Field Delineated	MA-ST-800	0.000	0.001
Total			0.105	0.386

Table 5.3-2. Estimated Temporary and Permanent Impacts on Non-Delineated Waters of this State for RFA 1

County	Source	NWI Wetland Type	Sum of Area (Acres) ¹	
			Permanent Disturbance	Temporary Disturbance
Wetlands				
Baker	NWI	PEM	0.05	0.16
Baker	NWI	PFO/PSS	0.00	0.06
Baker	NWI	Riverine	0.26	0.57
Malheur	NWI	PEM	0.14	0.04
Malheur	NWI	Riverine	0.46	0.55

County	Source	NWI Wetland Type	Sum of Area (Acres) ¹	
			Permanent Disturbance	Temporary Disturbance
Umatilla	NWI	Riverine	0.03	0.04
Union	NWI	Riverine	0.02	0.00
Total			0.96	1.42
Streams				
County	Source	Stream Type	Sum of Area (Linear Feet) ²	
			Permanent Disturbance	Temporary Disturbance
Baker	NHD	Canal/Ditch	14.03	245.31
Baker	NHD	Intermittent	322.98	588.24
Baker	NHD	Perennial	0.00	348.78
Malheur	NHD	Canal/Ditch	158.71	381.33
Malheur	NHD	Intermittent	170.45	95.63

¹ Impact acres pertain to mapped NWI wetlands where Project disturbance activities intersect wetlands. NWI mapping was used for impact calculations in areas that have not been ground surveyed yet. Once wetland surveys are completed, and mapped NWI wetland sites have been field surveyed, it is likely the total wetland impacts will be lower than estimated.

² Impacts displayed in feet pertain to mapped NHD streams in areas where Project ground disturbance activities intersect streams. Once wetland surveys are completed, it is likely that many NHD streams will be considered ephemeral and therefore not waters of the state, thereby reducing the total regulated stream impacts.

5.3.4 Description of Significance of Impacts to Waters of this State

ORAR 345-021-0010(1)(j)(C): A description of the significance of potential adverse impacts to each feature identified in (A), including the nature and amount of material the applicant would remove from or place in the waters analyzed in (B);

For many waters of this state, a Removal-Fill Authorization is required if a project will involve 50 cubic yards of fill and/or removal (cumulative) within the jurisdictional boundary. For activities in Essential Salmonid Habitat (ESH) streams, State Scenic Waterways and compensatory mitigation sites, a permit is required for any amount of removal or fill.

The impacts described in Section 5.3.3 are the result of temporary and permanent access roads as well as temporary work areas.

5.3.5 Why Removal-Fill Authorization is Not Needed

ORAR 345-021-0010(1)(j)(D): If the proposed facility would not need a removal-fill authorization, an explanation of why no such authorization is required for the construction and operation of the proposed facility.

ORAR 345-021-0010(1)(j)(D) requires an explanation if a removal-fill authorization (Removal-Fill Permit) is not needed. Here, because the Project will require a Removal-Fill Permit, ORAR 345-021-0010(1)(j)(D) does not apply. See Section 7.2.2 for further information on the Removal-Fill Permit.

5.3.6 Information to Support Removal-Fill Authorization

OAR 345-021-0010(1)(j)(E): If the proposed facility would need a removal-fill authorization, information to support a determination by the Council that the Oregon Department of State Lands should issue a removal-fill permit, including information in the form required by the Department of State Lands under OAR Chapter 141 Division 85.

Section 7.2.2 below discusses the application submission requirements and agency review standards relevant to a Removal-Fill Permit application.

6 PROPOSED CHANGES TO SITE CERTIFICATE

OAR 345-027-0360(1)(d): The specific language of the site certificate, including conditions, that the certificate holder proposes to change, add, or delete through the amendment;

Attachment 6-1 includes the red-lined Site Certificate, which reflects the proposed changes of RFA 1. In addition to inclusion of the Proposed Site Boundary Additions in the Site Certificate, IPC is proposing changes to the conditions summarized in Table 6-1. The full red-lined changes to these conditions are included in Attachment 6-1.

Table 6-1. Summary of Proposed Changes to Site Certificate Conditions

Site Certificate Conditions for All Standards and Phases		
Condition Number	Condition Summary	Summary of Proposed Change
STANDARD: GENERAL STANDARD OF REVIEW (GS) [OAR 345-022-0000]		
GEN-GS-02	Pre-construction compliance	Remove 180-day timeframe to allow for flexibility in construction schedule.
GEN-GS-06	Construction within the site boundary	Added text to include the Proposed Site Boundary Additions
STANDARD: SOIL PROTECTION (SP) [OAR 345-022-0022]		
GEN-SP-02	Implementation of Construction Spill Prevention Control and Countermeasures (SPCC) Plan	Replace the SPCC with the Hazardous Waste Management and Spill Response Plan.
GEN-SP-03	Implementation of Operations SPCC Plan	Replace the SPCC with the Hazardous Waste Management and Spill Response Plan. Remove DEQ approval statement.
GEN-SP-04	Implementation of final Blasting Plan	Remove ODOE approval requirement as ODOE does not have subject matter experts to provide input nor do they have regulatory authority to approve such plans. Remove requirement to finalize blasting plan prior to construction, finalization of the plan would occur during construction but prior to any blasting activity.
STANDARD: LAND USE (LU) [OAR 345-022-0030]		
GEN-LU-01	Submission of Morrow County permits, aggregate supplier	Remove requirement for coordination with ODFW regarding construction

Site Certificate Conditions for All Standards and Phases		
Condition Number	Condition Summary	Summary of Proposed Change
	identities, and riparian impact consultation	methods as ODFW is not an expert in reviewing construction plans.
STANDARD: FISH AND WILDLIFE HABITAT (FW) [OAR 345-022-0060]		
GEN-FW-02	Implementation of final Vegetation Management Plan	Remove requirement for pre-construction approval and change to an operational approval. The plan is an operations and maintenance management plan.
STANDARD: SCENIC RESOURCES (SR) [OAR 345-022-0080]		
GEN-SR-02	Union County visual impact reduction	Correct typographical error of "Natina" to "patina".
STANDARD: PUBLIC SERVICES (PS) [OAR 345-022-0110]		
GEN-PS-01	Submit Helicopter Use Plan	Remove 90-day and 30-day timeframes to allow for flexibility in construction schedule.
GEN-PS-02	Submit Final Fire Prevention and Suppression Plan	Change description of training from "Wildfire" to "Fire" training.
STANDARD: WASTE MINIMIZATION (WM) [OAR 345-022-0120]		
GEN-WM-01	Implementation of Construction Waste Management Plan	Remove 90-day timeframe to allow for flexibility in construction schedule.
Pre-Construction Conditions		
STANDARD: STRUCTURAL STANDARD (SS) [OAR 345-022-0020]		
PRE-SS-01	Submission of geological and geotechnical investigation plan and report	Remove 90-day timeframe to allow for flexibility in construction schedule. Remove reference to agency review process for the blasting plan to be consistent with proposed changes to condition GEN-SP-04.
STANDARD: FISH AND WILDLIFE HABITAT (FW) [OAR 345-022-0060]		
PRE-FW-03	Submission of final Sage-Grouse Habitat Mitigation Plan	Remove 90-day timeframe to allow for flexibility in construction schedule.
STANDARD: PUBLIC SERVICES (PS) [OAR 345-022-0110]		
PRE-PS-02	Submit county-specific Transportation and Traffic Plan	Remove 90-day timeframe to allow for flexibility in construction schedule.
PRE-PS-04	Submit proposed Environmental and Safety Training Plan	Remove 90-day timeframe to allow for flexibility in construction schedule.

7 APPLICABLE STATUTES, RULES, STANDARDS, AND ORDINANCES

OAR 345-027-0360(1)(e): A list of all Council standards and other laws, including statutes, rules and ordinances, applicable to the proposed change, and an analysis of whether the facility, with the proposed change, would comply with those applicable laws and Council standards. For the purpose of this rule, a law or Council standard is “applicable” if the Council would apply or consider the law or Council standard under OAR 345-027-0375(2); and

OAR 345-027-0360(1)(e) requires a list of all applicable Council standards, laws, rules, and ordinances. For this RFA 1, which involves adding new area to the site boundary, the Council must determine that proposed changes comply with all Council standards, laws, rules, and ordinances applicable to the original Site Certificate and that the amount of the bond or letter of credit in the Site Certificate is adequate.³

Table 7-1 lists the Council standards, laws, rules, and ordinances applicable to the original Site Certificate; addresses the RFA 1 compliance with the same; and lists the relevant Site Certificate conditions.

³ OAR 345-027-0375(2) provides, in relevant part:

To issue an amended site certificate, the Council must determine that the preponderance of evidence on the record supports the following conclusions:

(a) For a request for amendment proposing to add new area to the site boundary, the portion of the facility within the area added to the site by the amendment complies with all laws and Council standards applicable to an original site certificate application;

...

(d) For all requests for amendment, the amount of the bond or letter of credit required under OAR 345-022-0050 is adequate.

Table 7-1. Standards and Laws Relevant to Proposed Amendment

Standard or Other Permit	Compliance	Related Site Certificate Conditions
<p>OAR 345-022-0000 General Standard of Review</p>	<p>The General Standard of Review requires compliance with the EFSC Statutes and Standards. As demonstrated in the remainder of this Table 7-1 and elsewhere in the findings, analysis, and conclusions within this RFA 1, IPC demonstrates the Proposed Site Boundary Additions comply with all applicable EFSC Statutes and Standards and, by extension, OAR 345-022-0000.</p> <ul style="list-style-type: none"> • IPC does not specifically address the General Standard of Review in more detail in this RFA 1. Instead, the applicable EFSC Statutes and Standards are addressed throughout this RFA 1 in the context of the relevant statutes, rules, standards, and ordinances. • In relation to this standard, IPC is proposing an amendment to Site Certificate Condition GEN-GS-06. 	<p>GEN-GS-01 Construction deadlines GEN-GS-02 Pre-construction compliance CON-GS-01 Semi-annual construction reporting OPR-GS-01 Annual operation reporting OPR-GS-02 Legal description GEN-GS-03 Compliance during all phases CON-GS-02 Construction in one area while route changes elsewhere GEN-GS-04 Notification of environmental impacts OPR-GS-03 Implementation of the Reclamation and Revegetation Plan GEN-GS-05 Transfer of ownership GEN-GS-06 Construction within the site boundary</p>
<p>OAR 345-022-0010 Organizational Expertise</p>	<p>The Organizational Expertise Standard requires that the applicant have the organizational expertise to construct, operate, and retire the facility in compliance with Council standards and site certificate conditions. Because RFA 1 does not propose any changes that would affect IPC's organizational expertise, or that would introduce any new Project components or related or supporting facilities requiring new types of organizational expertise, the Council's existing findings, analysis, and conclusions in the Final Order regarding organizational expertise and the related Site Certificate conditions are adequate to ensure the Proposed Site Boundary Additions comply with OAR 345-022-0010.</p> <ul style="list-style-type: none"> • IPC does not address this standard in more detail in this RFA 1. • In relation to this standard, IPC is not proposing any new conditions or changes to existing conditions. 	<p>OPR-OE-01 Submission of inspection documentation with annual reporting GEN-OE-01 Notification of qualifications and contractor identity changes PRE-OE-01 Notification of contractor identities PRE-OE-02 Assurance of contractor compliance PRE-OE-03 Submission of third-party permit list and permits GEN-OE-02 Issuance of notice of violation GEN-OE-03 Reporting of Site Certificate violations</p>
<p>OAR 345-022-0020 Structural Standard</p>	<p>The Structural Standard requires that the applicant adequately characterize and address potential seismic hazards. As discussed in Section 7.1.1 below, for the Proposed Site Boundary Additions, IPC has adequately characterized the potential seismic hazards and will further refine that characterization prior to construction consistent with the existing Site Certificate conditions. Moreover, IPC demonstrates that the existing Site Certificate conditions requiring IPC to avoid, minimize, and mitigate seismic hazard risks will adequately address any potential seismic hazards related to the Proposed Site Boundary Additions. Therefore, IPC has demonstrated with the information provided in this RFA 1 that the Proposed Site Boundary Additions, subject to the related Site Certificate conditions, comply with OAR 345-022-0020.</p> <ul style="list-style-type: none"> • IPC addresses this standard in more detail in Section 7.1.1 below. • In relation to this standard, IPC is not proposing any new conditions or changes to existing conditions. 	<p>PRE-SS-01 Submission of geological and geotechnical investigation plan and report GEN-SS-01 Compliance of building codes GEN-SS-02 Avoidance of seismic hazards GEN-SS-03 Notification of foundation changes GEN-SS-04 Notification of other geological observations</p>

Standard or Other Permit	Compliance	Related Site Certificate Conditions
<p>OAR 345-022-0022 Soil Protection</p>	<p>The Soil Protection Standard requires that the design, construction and operation of the facility, taking into account mitigation, are not likely to result in a significant adverse impact to soils. As discussed in Section 7.1.2 below, for the Proposed Site Boundary Additions, IPC has adequately characterized the potential soil impacts, and IPC demonstrates that the existing Site Certificate conditions requiring IPC to avoid, minimize, and mitigate soil impacts will adequately address any potential soil impacts related to the Proposed Site Boundary Additions. Therefore, IPC has demonstrated with the information provided in this RFA 1 that the Proposed Site Boundary Additions, subject to the related Site Certificate conditions, comply with OAR 345-022-0022.</p> <ul style="list-style-type: none"> • IPC addresses this standard in more detail in Section 7.1.2 below. • In relation to this standard, IPC is not proposing any new conditions or changes to existing conditions. 	<p>GEN-SP-01 Implementation of National Pollutant Discharge Elimination System (NPDES) 1200-C and Erosion Sediment Control Plan GEN-SP-02 Implementation of Construction Spill Prevention Control and Countermeasures (SPCC) Plan GEN-SP-03 Implementation of Operations SPCC Plan GEN-SP-04 Implementation of final Blasting Plan OPR-SP-01 Inspection of facility components and mitigation for soil impacts</p>
<p>OAR 345-022-0030 Land Use</p>	<p>The Land Use Standard requires that the facility complies with the statewide planning goals. As discussed in Section 7.1.3 below, IPC demonstrates that the Proposed Site Boundary Additions comply with local applicable substantive criteria, Land Conservation and Development Commission rules and goals, and any land use statutes directly applicable to the facility. Therefore, IPC has demonstrated with the information provided in this RFA 1 that the Proposed Site Boundary Additions, subject to the related Site Certificate conditions, comply with OAR 345-022-0030.</p> <ul style="list-style-type: none"> • IPC addresses this standard in more detail in Section 7.1.3 below. • In relation to this standard, IPC is not proposing any new conditions or changes to existing conditions. 	<p>GEN-LU-01 Submission of Morrow County permits, aggregate supplier identities, and riparian impact consultation GEN-LU-02 Adherence to Morrow County setback requirements GEN-LU-03 Submission of Umatilla County permits and Air Contaminant Permit PRE-LU-01 Road construction consultation with Umatilla County Public Works GEN-LU-04 Adherence to Umatilla County setback requirements GEN-LU-05 Submission of Union County permits GEN-LU-06 Adherence to Union County setback requirements PRE-LU-02 Submission of aggregate supplier identities to Baker County GEN-LU-07 Submission of Baker County permits CON-LU-01 Adherence to Baker County setback requirements GEN-LU-08 Submission of Malheur County permits GEN-LU-09 Adherence to Malheur County setback requirements GEN-LU-10 Adherence to City of North Powder setback requirements GEN-LU-11 Implementation of final Agricultural Assessment and Mitigation Plan GEN-LU-12 Limitations of right-of-way within Goal 4 forest lands GEN-LU-13 Implementation of final Right-of-Way Clearing Assessment CON-LU-02 Submission of Memorandum of Agreement with City of LaGrande for Morgan Lake Park improvements</p>

Standard or Other Permit	Compliance	Related Site Certificate Conditions
<p>OAR 345-022-0040 Protected Areas</p>	<p>The Protected Area Standard requires that the facility avoid certain protected areas, except in certain situations, and that the design, construction and operation of the facility, taking into account mitigation, are not likely to result in a significant adverse impact to protected areas. As discussed in Section 7.1.4 below, IPC demonstrates that the Proposed Site Boundary Additions will not be located in a designated protected area and will not otherwise significantly adversely impact any such protected areas. Therefore, IPC has demonstrated with the information provided in this RFA 1 that the Proposed Site Boundary Additions, subject to the related Site Certificate conditions, comply with OAR 345-022-0040.</p> <ul style="list-style-type: none"> • IPC addresses this standard in more detail in Section 7.1.4 below. • In relation to this standard, IPC is not proposing any new conditions or changes to existing conditions. 	<p>GEN-PA-01 Implementation of protection measures for the Ladd March Wildlife Area GEN-PA-02 Avoidance of Ladd Marsh Wildlife Area if Morgan Lake alternative route chosen</p>
<p>OAR 345-022-0050 Retirement and Financial Assurance</p>	<p>The Retirement and Financial Assurance Standard requires that the site, taking into account mitigation, can be restored, and that the applicant has a reasonable likelihood of obtaining a bond or letter of credit to fund that restoration. The changes proposed in RFA 1 will result in less than a 1% change in the total length of the Project, which will not result in significant changes to the amount calculated for the bond or letter of credit. Regardless, any changes resulting from RFA1 would be addressed through Retirement and Financial Assurance Condition 4(c), which provides that the estimated total decommissioning cost considered in the Final Order will be adjusted to the date of issuance of the bond or letter of credit and on a quarterly basis during construction. Therefore, any impacts RFA1 will have on the total decommissioning cost, and the financial assurances provided to ensure impacts would be fully addressed in the unlikely circumstance that the project would be decommissioned, will be captured in the updates required under Condition 4(c).</p> <ul style="list-style-type: none"> • IPC does not address this standard in more detail in this RFA 1. • In relation to this standard, IPC is not proposing any new conditions or changes to existing conditions. 	<p>GEN-RT-01 Prevention of hazardous site conditions RET-RT-01 Retirement of facility in compliance with the Retirement Plan RET-RT-02 Retirement of facility upon permanent cessation PRE-RT-01 Adjustment of bond or letter of credit during construction OPR-RT-01 Submission and maintenance of bond or letter of credit during operations</p>

Standard or Other Permit	Compliance	Related Site Certificate Conditions
<p>OAR 345-022-0060 Fish and Wildlife Habitat</p>	<p>The Fish and Wildlife Habitat Standard requires that the design, construction and operation of the facility, taking into account mitigation, are consistent with ODFW's fish and wildlife habitat mitigation goals and standards and with the Greater Sage-Grouse Conservation Strategy for Oregon. As discussed in Section 7.1.5 below, for the Proposed Site Boundary Additions, IPC has adequately characterized the potential fish and wildlife habitat impacts, and IPC demonstrates that the existing Site Certificate conditions requiring IPC to avoid, minimize, and mitigate fish and wildlife impacts will adequately address any fish and wildlife habitat impacts related to the Proposed Site Boundary Additions. Therefore, IPC has demonstrated with the information provided in this RFA 1 that the Proposed Site Boundary Additions, subject to the related Site Certificate conditions, comply with OAR 345-022-0060.</p> <ul style="list-style-type: none"> • IPC addresses this standard in more detail in Section 7.1.5 below. • In relation to this standard, IPC is not proposing any new conditions or changes to existing conditions. 	<p>GEN-FW-01 Implementation of final Reclamation and Revegetation Plan GEN-FW-02 Implementation of final Vegetation Management Plan GEN-FW-03 Implementation of final Noxious Weed Plan GEN-FW-04 Implementation of final Habitat Mitigation Plan GEN-FW-05 Implementation of worker environmental awareness training GEN-FW-06 Flagging of environmentally sensitive areas GEN-FW-07 Speed limit enforcement GEN-FW-08 Adherence with the Avian Protection Plan and fatality reporting PRE-FW-01 Preconstruction surveys to be completed on unsurveyed portions of the site boundary. PRE-FW-02 Preconstruction surveys to be completed on entirety of site boundary PRE-FW-03 Submission of final Sage-Grouse Habitat Mitigation Plan PRE-FW-04 Perform preconstruction traffic study in elk habitat and sage-grouse habitat CON-FW-01 Avoidance of elk or mule deer winter range during temporal restriction CON-FW-02 Notification of pygmy rabbit colonies or State Sensitive bat species CON-FW-03 Conduct construction avian surveys during migratory bird nesting season CON-FW-04 Avoidance of raptor nests within buffers and temporal restrictions CON-FW-05 Implementation of final Sage-Grouse Habitat Mitigation Plan CON-FW-06 Avoidance of sage-grouse habitat during temporal restriction OPR-FW-01 Adherence with final compensatory mitigation calculations OPR-FW-02 Access control enforcement within elk and sage-grouse habitat OPR-FW-03 Submission of traffic studies data for indirect sage-grouse habitat impact calculations OPR-FW-04 Perform operations traffic study in elk habitat and sage-grouse habitat</p>

Standard or Other Permit	Compliance	Related Site Certificate Conditions
<p>OAR 345-022-0070 Threatened and Endangered Species</p>	<p>The Threatened and Endangered Species Standard requires that the design, construction and operation of the facility, taking into account mitigation, adequately address potential impacts to state-designated threatened and endangered species. As discussed in Section 7.1.6 below, for the Proposed Site Boundary Additions, IPC has adequately characterized the potential impacts to such species, and IPC demonstrates that the existing Site Certificate conditions requiring IPC to avoid, minimize, and mitigate impacts to threatened and endangered species will adequately address any impacts to such species related to the Proposed Site Boundary Additions. Therefore, IPC has demonstrated with the information provided in this RFA 1 that the Proposed Site Boundary Additions, subject to the related Site Certificate conditions, comply with OAR 345-022-0070.</p> <ul style="list-style-type: none"> • IPC addresses this standard in more detail in Section 7.1.6 below. • In relation to this standard, IPC is not proposing any new conditions or changes to existing conditions. 	<p>CON-TE-01 Avoidance of Category 1 Washington ground squirrel habitat CON-TE-02 Avoidance of threatened or endangered plant species within buffers</p>
<p>OAR 345-022-0080 Scenic Resources</p>	<p>The Scenic Resources Standard requires that the design, construction and operation of the facility, taking into account mitigation, are not likely to result in significant adverse impacts to certain scenic resources. As discussed in Section 7.1.7 below, for the Proposed Site Boundary Additions, IPC has adequately characterized the potential impacts to scenic resources, and IPC demonstrates that the existing Site Certificate conditions requiring IPC to avoid, minimize, and mitigate impacts to certain scenic resources will adequately address any impacts to such resources related to the Proposed Site Boundary Additions. Therefore, IPC has demonstrated with the information provided in this RFA 1 that the Proposed Site Boundary Additions, subject to the related Site Certificate conditions, comply with OAR 345-022-0080.</p> <ul style="list-style-type: none"> • IPC addresses this standard in more detail in Section 7.1.7 below. • In relation to this standard, IPC is not proposing any new conditions or changes to existing conditions. 	<p>GEN-PA-02 Avoidance of Ladd Marsh Wildlife Area if Morgan Lake alternative route is chosen GEN-SR-01 Usage of dull-galvanized steel for lattice towers and non-specular conductors GEN-SR-02 Union County visual impact reduction GEN-SR-03 Reduction of National Historic Oregon Trail Interpretive Center visual impacts GEN-SR-04 Reduction of Birch Creek Area of Critical Environmental Concern visual impacts</p>

Standard or Other Permit	Compliance	Related Site Certificate Conditions
<p>OAR 345-022-0090 Historic, Cultural and Archaeological Resources</p>	<p>The Historic, Cultural and Archaeological Resources Standard requires that the design, construction and operation of the facility, taking into account mitigation, are not likely to result in a significant adverse impact to certain historic, cultural and archaeological resources. As discussed in Section 7.1.8 below, for the Proposed Site Boundary Additions, IPC has adequately characterized the potential impacts to historic, cultural and archaeological resources, and IPC demonstrates that the existing Site Certificate conditions requiring IPC to avoid, minimize, and mitigate impacts will adequately address any potential impacts to such resources related to the Proposed Site Boundary Additions. Therefore, IPC has demonstrated with the information provided in this RFA 1 that the Proposed Site Boundary Additions, subject to the related Site Certificate conditions, comply with OAR 345-022-0090.</p> <ul style="list-style-type: none"> • IPC addresses this standard in more detail in Section 7.1.8 below. • In relation to this standard, IPC is not proposing any new conditions or changes to existing conditions. 	<p>GEN-HC-01 Avoidance of Oregon Trail/National Historic Trail resources GEN-HC-02 Implementation of final HPMP OPS-HC-01 Submission of Cultural Resources Technical Report</p>
<p>OAR 345-022-0100 Recreation</p>	<p>The Recreation Standard requires that the design, construction and operation of the facility, taking into account mitigation, are not likely to result in a significant adverse impact to important recreational opportunities. As discussed in Section 7.1.9 below, for the Proposed Site Boundary Additions, IPC has adequately characterized the potential impacts to important recreational opportunities, and IPC demonstrates that the Proposed Site Boundary Additions will not result in any significant impacts to such opportunities. Therefore, IPC has demonstrated with the information provided in this RFA 1 that the Proposed Site Boundary Additions, subject to the related Site Certificate conditions, comply with OAR 345-022-0100.</p> <ul style="list-style-type: none"> • IPC addresses this standard in more detail in Section 7.1.9 below. • In relation to this standard, IPC is not proposing any new conditions or changes to existing conditions. 	<p>GEN-RC-01 Reduction of Morgan Lake Park visual impacts</p>

Standard or Other Permit	Compliance	Related Site Certificate Conditions
<p>OAR 345-022-0110 Public Services</p>	<p>The Public Services Standard requires that the construction and operation of the facility, taking into account mitigation, are not likely to result in a significant adverse impact to the ability of providers to provide public services. Because the proposed changes in RFA 1 do not introduce any new facility types that would require a new type of public service. The analysis area for RFA 1 does not extend into rural fire districts, airports, landfills, cities/housing, law enforcement jurisdictions, etc. that were not already considered in the ASC. The changes proposed in RFA 1 will result in less than a 1% change in the total length of the Project which will not result in a need for additional workers during peak construction periods. The RFA 1 does not propose any changes that would affect public service providers differently, or that would introduce any new Project components or related or supporting facilities requiring new types of public service providers, the Council's existing findings, analysis, and conclusions in its final order regarding public service providers and the related Site Certificate conditions are adequate to ensure the Proposed Site Boundary Additions comply with OAR 345-022-0110.</p> <ul style="list-style-type: none"> • IPC does not address this standard in more detail in this RFA 1. • In relation to this standard, IPC is not proposing any new conditions or changes to existing conditions. 	<p>GEN-PS-01 Submit Helicopter Use Plan GEN-PS-02 Submit Final Fire Prevention and Suppression Plan GEN-PS-03 Submit Wildfire Mitigation Plan PRE-PS-01 Consultation with Owyhee Irrigation District PRE-PS-02 Submit county-specific Transportation and Traffic Plan PRE-PS-03 Submit FAA form 7460-1 Notice of Proposed Construction or Alteration PRE-PS-04 Implementation of Environmental and Safety Training Plan</p>
<p>OAR 345-022-0120 Waste Minimization</p>	<p>The Waste Minimization Standard requires that, to the extent reasonably practicable, the plans for the construction and operation of the facility are likely to minimize the generation of waste, and the management of waste is likely to result in minimal adverse impacts to the surrounding and adjacent areas. Because The proposed changes in RFA 1 will result in less than a 1% change in the total length of the Project which will not result in a significant increase in the amount of solid waste estimated to be generated during construction of the facility. Additionally, RFA 1 does not propose any changes that would affect IPC's waste minimization plans, or that would introduce any new types of waste, the Council's existing findings, analysis, and conclusions in its final order regarding waste minimization and the related Site Certificate conditions are adequate to ensure the Proposed Site Boundary Additions comply with OAR 345-022-0120.</p> <ul style="list-style-type: none"> • IPC does not address this standard in more detail in this RFA 1. • In relation to this standard, IPC is not proposing any new conditions or changes to existing conditions. 	<p>GEN-WM-01 Implementation of Construction Waste Management Plan</p>

Standard or Other Permit	Compliance	Related Site Certificate Conditions
<p>OAR 345-023-0005 Need</p>	<p>The Need Standard requires that the applicant demonstrate the need for the Project either through the least-cost plan rule or system reliability rule. Because RFA 1 does not propose any changes that would affect the consideration of the Project under IPC's Integrated Resource Plan, or that would impact the need of the Project to enable IPC's transmission system, the Council's existing findings, analysis, and conclusions in its final order regarding the need for the Project are adequate to ensure the Proposed Site Boundary Additions comply with OAR 345-023-0005.</p> <ul style="list-style-type: none"> • IPC does not address this standard in more detail in this RFA 1. • In relation to this standard, IPC is not proposing any new conditions or changes to existing conditions. 	
<p>OAR 345-024-0090 Transmission Lines</p>	<p>The Sitting Standards for Transmission Lines require that the design, construction and operation of the facility meet certain alternating current operating criteria and minimize induced currents. Because RFA 1 does not propose any changes that would affect the alternating current electric fields or induced currents, the Council's existing findings, analysis, and conclusions in its final order regarding alternating current and induced current, and the related Site Certificate conditions, are adequate to ensure the Proposed Site Boundary Additions comply with OAR 345-024-0090.</p> <ul style="list-style-type: none"> • IPC does not address this standard in more detail in this RFA 1. • In relation to this standard, IPC is not proposing any new conditions or changes to existing conditions. 	<p>GEN-TL-01 Management of electromagnetic field exposure OPR-TL-01 Reduction of induced current and nuisance shock risks GEN-TL-02 Adherence with the National Electrical Safety Code and grounding practices PRE-TL-01 Meeting with Public Utility Commission (OPUC) OPR-TL-02 Submission of compliance updates to OPUC</p>
<p>OAR 340-035-0035 Noise Control Regulations</p>	<p>The Noise Control Regulations require that the construction and operation of the facility meet certain noise standards. As discussed in Section 7.2.1 below, for the Proposed Site Boundary Additions, IPC has adequately characterized the potential noise impacts, and IPC demonstrates that the existing Site Certificate conditions requiring IPC to avoid, minimize, and mitigate impacts will adequately address any such potential impacts related to the Proposed Site Boundary Additions. Therefore, IPC has demonstrated with the information provided in this RFA 1 that the Proposed Site Boundary Additions, subject to the related Site Certificate conditions, comply with OAR 340-035-0035.</p> <ul style="list-style-type: none"> • IPC addresses this standard in more detail in Section 7.2.1 below. • In relation to this standard, IPC is not proposing any new conditions or changes to existing conditions. 	<p>GEN-NC-01 Implementation of Noise Exceedance Mitigation Plans GEN-NC-02 Implementation of a noise complaint response system CON-NC-01 Implementation of design measures and construction techniques OPR-NC-01 Adherence to the ambient antidegradation standard during infrequent or unusual foul weather events OPR-NC-02 Variance to compliance with the ambient antidegradation standard</p>

Standard or Other Permit	Compliance	Related Site Certificate Conditions
<p>Removal-Fill Permit OAR Chapter 141, Division 85</p>	<p>The Removal-Fill Rules require a permit from the Department of State Lands to remove material from, or to fill in, waters of the state. As discussed in Section 7.2.2 below, for the Proposed Site Boundary Additions, IPC has characterized the potential impacts to Waters of this State, and the existing Site Certificate conditions requiring IPC to obtain a permit and avoid, minimize, and mitigate impacts will adequately address any such potential impacts related to the Proposed Site Boundary Additions. Therefore, IPC has demonstrated with the information provided in this RFA 1 that the Proposed Site Boundary Additions, subject to the related Site Certificate conditions, comply with the Removal-Fill Regulations.</p> <ul style="list-style-type: none"> • IPC addresses this standard in more detail in Section 7.2.2 below. • In relation to this standard, IPC is not proposing any new conditions or changes to existing conditions. 	<p>PRE-RF-01 Submission of updated wetland delineation reports GEN-RF-01 Implementation of final Site Rehabilitation Plan GEN-RF-02 Implementation of final Compensatory Wetland and Non-Wetland Mitigation Plan PRE-RF-02 Provide copy of Joint Permit Application GEN-RF-03 Compliance with General and Special Conditions GEN-RF-04 Compliance with Removal-Fill Conditions and procedures</p>
<p>Fish Passage Plan Approval OAR Chapter 635, Division 412</p>	<p>The Fish Passage Rules require approval of fish passage plans for any new artificial obstructions, or substantial modifications to existing obstructions, affecting native fish streams. As part of the Proposed Site Boundary Additions, IPC is not proposing any new artificial obstructions, or substantial modifications to existing obstructions, on any waters. Therefore, the Council's existing findings, analysis, and conclusions in its final order regarding fish passage, and the related Site Certificate conditions, are adequate to ensure the Proposed Site Boundary Additions comply with the Fish Passage Rules.</p> <ul style="list-style-type: none"> • IPC does not address this standard in more detail in this RFA 1. • In relation to this standard, IPC is not proposing any new conditions or changes to existing conditions. 	<p>GEN-FP-01 Implementation of final Fish Passage Plan</p>
<p>Public Land Action Permit</p>	<p>None of the Proposed Site Boundary Additions in RFA 1 occur on non-federal public lands, and therefore, no Public Land Action Permit is required.</p>	<p>N/A</p>

Standard or Other Permit	Compliance	Related Site Certificate Conditions
Morrow County Land Use Permit – Land Use Decision (Utility Facility; EFU Zone)	<p>In Morrow County, all of the proposed site boundary changes in RFA 1 occur in the EFU zone. As discussed in Section 7.1.3 below, the Proposed Site Boundary Additions will comply with the relevant county code provisions. Therefore, IPC has demonstrated with the information provided in this RFA 1 that the Proposed Site Boundary Additions, subject to the related Site Certificate conditions, comply with the Morrow County EFU Zone requirements.</p> <ul style="list-style-type: none"> • IPC addresses the Morrow County EFU Zone requirements in more detail in Section 7.1.3.1 below. • In relation to the Morrow County EFU Zone requirements, IPC is not proposing any new conditions or changes to existing conditions. 	GEN-LU-01 Submission of Morrow County permits, aggregate supplier identities, and riparian impact consultation
Morrow County Land Use Permit – Zoning Permit (Utility Facility; General Industrial Zone)	None of the Proposed Site Boundary Additions occur in the Morrow County General Industrial zone.	GEN-LU-01 Submission of Morrow County permits, aggregate supplier identities, and riparian impact consultation
Morrow County Land Use Permit – Zoning Permit (Utility Facility; Port Industrial Zone)	None of the Proposed Site Boundary Additions occur in the Morrow County Port Industrial zone.	N/A
Umatilla County Land Use Permit – Land Use Decision and Zoning Permit (Utility Facility; EFU Zone)	<p>In Umatilla County, portions of the Proposed Site Boundary Additions occur in the EFU zone. As discussed in Section 7.1.3 below, the Proposed Site Boundary Additions in RFA 1 will comply with the relevant county code provisions. Therefore, IPC has demonstrated with the information provided in this RFA 1 that the Proposed Site Boundary Additions, subject to the related Site Certificate conditions, comply with the Umatilla County EFU Zone requirements.</p> <ul style="list-style-type: none"> • IPC addresses the Umatilla County EFU Zone requirements in more detail in Section 7.1.3 below. • In relation to the Umatilla County EFU Zone requirements, IPC is not proposing any new conditions or changes to existing conditions. 	GEN-LU-03 Submission of Umatilla County permits and Air Containment Permit
Umatilla County Land Use Permit – Conditional Use Permit (Helipads; EFU Zone)	None of the Proposed Site Boundary Additions involve helipads.	GEN-LU-03 Submission of Umatilla County permits and Air Containment Permit

Standard or Other Permit	Compliance	Related Site Certificate Conditions
Umatilla County Land Use Permit – Conditional Use Permit and Land Use Decision (Utility Facility; Grazing-Farm Zone/Goal 4 Forestlands)	<p>In Umatilla County, portions of the transmission line Proposed Site Boundary Additions occur in the Grazing Farm zone. As discussed in Section 7.1.3 below, the Proposed Site Boundary Additions in RFA 1 will comply with the relevant county code provisions. Therefore, IPC has demonstrated with the information provided in this RFA 1 that the Proposed Site Boundary Additions, subject to the related Site Certificate conditions, comply with the Umatilla County Grazing-Farm Zone requirements.</p> <ul style="list-style-type: none"> • IPC addresses the Umatilla County Grazing-Farm Zone requirements in more detail in Section 7.1.3 below. • In relation to the Umatilla County Grazing-Farm Zone requirements, IPC is not proposing any new conditions or changes to existing conditions. 	GEN-LU-03 Submission of Umatilla County permits and Air Containment Permit GEN-LU-12 Limitations of right-of-way within Goal 4 forest lands
Umatilla County Land Use Permit – Exception to Goal 4 (Access Roads; Helipads; Grazing-Farm Zone/Goal 4 Forestlands)	<p>In Umatilla County, certain access roads in Proposed Site Boundary Additions occur in the Grazing-Farm zone and Goal 4 forest lands. As discussed in Section 7.1.3 below, the Proposed Site Boundary Additions in RFA 1 support a Goal 4 exception, if the Council deems necessary. Therefore, IPC has demonstrated with the information provided in this RFA 1 that the Proposed Site Boundary Additions, subject to the related Site Certificate conditions, warrant a Goal 4 exception in the Umatilla County Grazing-Farm Zone.</p> <ul style="list-style-type: none"> • IPC addresses the Umatilla County Grazing-Farm Zone Goal 4 exception requirements in more detail in Section 7.1.3 below. • In relation to the Umatilla County Grazing-Farm Zone Goal 4 exception requirements, IPC is not proposing any new conditions or changes to existing conditions. 	GEN-LU-03 Submission of Umatilla County permits and Air Containment Permit GEN-LU-12 Limitations of right-of-way within Goal 4 forest lands
Umatilla County Land Use Permit – Conditional Use Permit and Land Use Decision (Helipads; Grazing-Farm Zone)	None of the Proposed Site Boundary Additions involve helipads.	GEN-LU-03 Submission of Umatilla County permits and Air Containment Permit
Umatilla County Land Use Permit – Conditional Use Permit (Access Roads; Grazing-Farm Zone)	<p>In Umatilla County, portions of the access road Proposed Site Boundary Additions occur in the Grazing Farm zone. As discussed in Section 7.1.3 below, the Proposed Site Boundary Additions in RFA 1 will comply with the relevant county code provisions. Therefore, IPC has demonstrated with the information provided in this RFA 1 that the Proposed Site Boundary Additions, subject to the related Site Certificate conditions, comply with the Umatilla County Grazing-Farm Zone requirements.</p> <ul style="list-style-type: none"> • IPC addresses the Umatilla County Grazing-Farm Zone requirements in more detail in Section 7.1.3 below. • In relation to the Umatilla County Grazing-Farm Zone requirements, IPC is not proposing any new conditions or changes to existing conditions. 	GEN-LU-03 Submission of Umatilla County permits and Air Containment Permit
Umatilla County Land Use Permit – Conditional Use Permit (Utility Facility; Light Industrial Zone)	None of the Proposed Site Boundary Additions occur in the Umatilla County Light Industrial zone.	GEN-LU-03 Submission of Umatilla County permits and Air Containment Permit

Standard or Other Permit	Compliance	Related Site Certificate Conditions
Umatilla County Land Use Permit – Conditional Use Permit (Batch Plant; Light Industrial Zone)	None of the Proposed Site Boundary Additions occur in the Umatilla County Light Industrial zone.	GEN-LU-03 Submission of Umatilla County permits and Air Containment Permit
Umatilla County Land Use Permit – Conditional Use Permit (Multi-Use Area; Rural Tourist Commercial Zone)	None of the Proposed Site Boundary Additions occur in the Umatilla County Rural Tourist Commercial zone.	GEN-LU-03 Submission of Umatilla County permits and Air Containment Permit
Union County Land Use Permit – Land Use Decision (Utility Facility; EFU Zone)	None of the Proposed Site Boundary Additions occur in the Union County EFU zone.	GEN-LU-05 Submission of Union County permits
Union County Land Use Permit – Conditional Use Permit and Land Use Decision (Helipads; EFU Zone)	None of the Proposed Site Boundary Additions involve helipads.	GEN-LU-05 Submission of Union County permits
Union County Land Use Permit – Conditional Use Permit and Land Use Decision (Concrete Batch Plants; EFU Zone)	None of the Proposed Site Boundary Additions involve concrete batch plants.	GEN-LU-05 Submission of Union County permits
Union County Land Use Permit – Land Use Decision (Utility Facility; Agriculture-Grazing Zone)	<p>In Union County, portions of the Proposed Site Boundary Additions occur in the Agriculture-Grazing zone. As discussed in Section 7.1.3 below, the Proposed Site Boundary Additions in RFA 1 will comply with the relevant county code provisions. Therefore, IPC has demonstrated with the information provided in this RFA 1 that the Proposed Site Boundary Additions, subject to the related Site Certificate conditions, comply with the Union County Agriculture-Grazing Zone requirements.</p> <ul style="list-style-type: none"> • IPC addresses the Union County Agriculture-Grazing Zone requirements in more detail in Section 7.1.3 below. • In relation to the Union County Agriculture-Grazing Zone requirements, IPC is not proposing any new conditions or changes to existing conditions. 	GEN-LU-05 Submission of Union County permits
Union County Land Use Permit – Land Use Decision (Predominant Use Determination; Timber-Grazing Zone)	<p>In Union County, portions of the Proposed Site Boundary Additions occur in the Timber-Grazing zone. As discussed in Section 7.1.3 below, the Proposed Site Boundary Additions in RFA 1 will comply with the relevant county code provisions. Therefore, IPC has demonstrated with the information provided in this RFA 1 that the Proposed Site Boundary Additions, subject to the related Site Certificate conditions, comply with the Union County Timber-Grazing Zone requirements.</p> <ul style="list-style-type: none"> • IPC addresses the Union County Timber-Grazing Zone requirements in more detail in Section 7.1.3.3 below. • In relation to the Union County Timber-Grazing Zone requirements, IPC is not proposing any new conditions or changes to existing conditions. 	GEN-LU-05 Submission of Union County permits

Standard or Other Permit	Compliance	Related Site Certificate Conditions
<p>Union County Land Use Permit – Land Use Decision (Utility Facility; Timber-Grazing Zone, Predominantly Farmland Parcels)</p>	<p>In Union County, portions of the Proposed Site Boundary Additions occur in the Timber-Grazing zone, predominantly farmland parcels. As discussed in Section 7.1.3 below, the Proposed Site Boundary Additions in RFA 1 will comply with the relevant county code provisions. Therefore, IPC has demonstrated with the information provided in this RFA 1 that the Proposed Site Boundary Additions, subject to the related Site Certificate conditions, comply with the Union County Timber-Grazing Zone, predominantly farmland, requirements.</p> <ul style="list-style-type: none"> • IPC addresses the Union County Timber-Grazing Zone, predominantly farmland, requirements in more detail in Section 7.1.3.3 below. • In relation to the Union County Timber-Grazing Zone, predominantly farmland, requirements, IPC is not proposing any new conditions or changes to existing conditions. 	<p>GEN-LU-05 Submission of Union County permits</p>
<p>Union County Land Use Permit – Conditional Use Permit (Utility Facility; Timber-Grazing Zone, Predominantly Forestland Parcels)</p>	<p>In Union County, portions of the Proposed Site Boundary Additions occur in the Union County Timber-Grazing zone, predominantly forestland parcels. As discussed in Section 7.1.3 below, the Proposed Site Boundary Additions in RFA 1 will comply with the relevant county code provisions. Therefore, IPC has demonstrated with the information provided in this RFA 1 that the Proposed Site Boundary Additions, subject to the related Site Certificate conditions, comply with the Union County Timber-Grazing Zone, predominantly forestland, requirements.</p> <ul style="list-style-type: none"> • IPC addresses the Union County Timber-Grazing Zone, predominantly forestland, requirements in more detail in Section 7.1.3 below. • In relation to the Union County Timber-Grazing Zone, predominantly forestland, requirements, IPC is not proposing any new conditions or changes to existing conditions. 	<p>GEN-LU-05 Submission of Union County permits</p>
<p>Union County Land Use Permit – Exception to Goal 4 (Transmission Line Right-of-Way Width; Timber-Grazing Zone, Predominantly Forestland Parcels)</p>	<p>In Union County, portions of the Proposed Site Boundary Additions occur in the Timber-Grazing zone and Goal 4 forest lands. As discussed in Section 7.1.3 below, the Proposed Site Boundary Additions in RFA 1 support a Goal 4 exception, if the Council deems necessary. Therefore, IPC has demonstrated with the information provided in this RFA 1 that the Proposed Site Boundary Additions, subject to the related Site Certificate conditions, warrant a Goal 4 exception in the Union County Timber-Grazing Zone.</p> <ul style="list-style-type: none"> • IPC addresses the Union County Timber-Grazing Zone Goal 4 exception requirements in more detail in Section 7.1.3 below. • In relation to the Union County Timber-Grazing Zone exception requirements, IPC is not proposing any new conditions or changes to existing conditions. 	<p>GEN-LU-05 Submission of Union County permits</p>

Standard or Other Permit	Compliance	Related Site Certificate Conditions
<p>Union County Land Use Permit – Conditional Use Permit (Access Roads; Timber-Grazing Zone, Predominantly Forestland Parcels)</p>	<p>In Union County, portions of the access road Proposed Site Boundary Additions occur in the Union County Timber-Grazing zone, predominantly forestland parcels. As discussed in Section 7.1.3 below, the Proposed Site Boundary Additions in RFA 1 will comply with the relevant county code provisions. Therefore, IPC has demonstrated with the information provided in this RFA 1 that the access road Proposed Site Boundary Additions, subject to the related Site Certificate conditions, comply with the Union County Timber-Grazing Zone, predominantly forestland, requirements.</p> <ul style="list-style-type: none"> • IPC addresses the Union County Timber-Grazing Zone, predominantly forestland, requirements in more detail in Section 7.1.3 below. • In relation to the Union County Timber-Grazing Zone, predominantly forestland, requirements, IPC is not proposing any new conditions or changes to existing conditions. 	<p>GEN-LU-05 Submission of Union County permits</p>
<p>Baker County Land Use Permit – Land Use Decision (Utility Facility; EFU Zone)</p>	<p>In Baker County, portions of the Proposed Site Boundary Additions occur in the Baker County EFU zone. As discussed in Section 7.1.3 below, the Proposed Site Boundary Additions in RFA 1 will comply with the relevant county code provisions. Therefore, IPC has demonstrated with the information provided in this RFA 1 that the Proposed Site Boundary Additions, subject to the related Site Certificate conditions, comply with the Baker County EFU Zone requirements.</p> <ul style="list-style-type: none"> • IPC addresses the Baker County EFU Zone requirements in more detail in Section 7.1.3 below. • In relation to the Baker County EFU Zone requirements, IPC is not proposing any new conditions or changes to existing conditions. 	<p>GEN-LU-07 Submission of Baker County permits</p>
<p>Baker County Land Use Permit – Conditional Use Permit (Rural Service Area Zone)</p>	<p>None of the Proposed Site Boundary Additions occur in the Baker County Rural Service Area zone.</p>	<p>GEN-LU-07 Submission of Baker County permits</p>
<p>Baker County Land Use Permit – Land Use Decision (Utility Facility; EFU and ERU Zones)</p>	<p>In Baker County, portions of the Proposed Site Boundary Additions occur in the Baker County EFU-ERU zones. As discussed in Section 7.1.3 below, the Proposed Site Boundary Additions in RFA 1 will comply with the relevant county code provisions. Therefore, IPC has demonstrated with the information provided in this RFA 1 that the Proposed Site Boundary Additions, subject to the related Site Certificate conditions, comply with the Baker County EFU-ERU Zone requirements.</p> <ul style="list-style-type: none"> • IPC addresses the Baker County EFU-ERU Zone requirements in more detail in Section 7.1.3 below. • In relation to the Baker County EFU-ERU Zone requirements, IPC is not proposing any new conditions or changes to existing conditions. 	<p>GEN-LU-07 Submission of Baker County permits</p>
<p>Baker County Land Use Permit – Conditional Use Permit (Helipads; EFU and ERU Zones)</p>	<p>None of the Proposed Site Boundary Additions involve helipads.</p>	<p>GEN-LU-07 Submission of Baker County permits</p>

Standard or Other Permit	Compliance	Related Site Certificate Conditions
City of North Powder – Conditional Use Permit (Multi-Use Area; Commercial Interchange Zone)	None of the Proposed Site Boundary Additions occur in the City of North Powder.	NA
City of Huntington – Land Use Decision (Multi-Use Area; Commercial Industrial Zone)	None of the Proposed Site Boundary Additions occur in the City of North Huntington.	NA
City of Huntington – Land Use Decision/Temporary Use Permit (Multi-Use Area; Commercial Residential Zone)	None of the Proposed Site Boundary Additions occur in the City of North Huntington.	NA

7.1 Division 22 Standards Discussed in Detail

7.1.1 Structural Standard – OAR 345-022-0020

The Structural Standard generally requires the Council to evaluate whether the Certificate Holder has adequately characterized the potential seismic, geological, and soil hazards within the site boundary, and that the Certificate Holder can design, engineer, and construct the Project to avoid dangers to human safety from these hazards.

IPC's geotechnical contractor is performing investigations to support the design and location of Project facilities. This includes characterizing potential seismic, geological, and soil hazards within the site boundary. A landslide inventory and evaluation is provided in Attachment H-1 of the Final Order. The geotechnical contractor is currently performing field reconnaissance, geotechnical borings, and electrical resistivity testing. The results of these investigations are ongoing. The following Proposed Site Boundary Additions are in or near geological hazard zones, historic landslide areas, or other non-seismic hazard areas.

Little Juniper Canyon Alternative (Figure 7-1 Map 1), Statewide Landslide Information Database for Oregon (SLIDO) 43 (Attachment H-1 of the Final Order):

Little Juniper Canyon is in an area mapped as an alluvial fan. A site visit to the alluvial fan feature occurred on November 18, 2011. The feature was identified as a broad, gently sloping alluvial fan and not a landslide, and would not impact design. A reconnaissance visit to the location occurred in the spring of 2022 during drilling of a geotechnical boring at a structure within the alluvial fan, and no surficial features indicative of a landslide or geologic hazard were observed.

True Blue Gulch Alternative (Figure 7-1 Maps 2-4), SLIDO 127, 158, 159, 1110, 1112 (Attachment H-1 of the Final Order):

True Blue Gulch is in an area mapped as talus-colluvium and with alluvial fans and not a landslide. IPC's geotechnical contractor has five proposed geotechnical borings within this area and will perform a reconnaissance in the spring of 2023.

Union County Access Roads (Figure 7-2, Map 16), SLIDO 2281 (Attachment H-1 of the Final Order):

Some Union County access road changes are located across the valley and Interstate 84 from mapped landslide SLIDO 2281. The Proposed Site Boundary Additions are greater than 4,000 feet from the mapped landslide extents. Given the distance, elevation, and location of SLIDO 2281 compared to the location and elevation of the Proposed Site Boundary Additions, SLIDO 2281 is of minimal risk to the Proposed Site Boundary Additions.

Baker County Access Roads (Figure 7-2, Map 26), Mapped Landslide Deposits, SLIDO 1711 (Attachment H-1 of the Final Order):

There are mapped landslide deposits in the area, and the proposed access road changes enter the mapped upper portion of SLIDO 1711. Generally, based on aerial imagery and light detection and ranging (LiDAR) showing erosion, vegetation, and drainage channels within the landslide and lack of sharp head scarps and landslide features, the landslide is likely ancient (more than 150 years old). Geotechnical investigators performed a reconnaissance and completed a geotechnical boring in the northwest corner of SLIDO 1711 in the fall of 2021 and did not observe surficial conditions that would indicate the slide is still active.

Malheur County Access Roads (Figure 7-2, Map 33), Mapped Landslide Deposits, SLIDO 2027 and 2030 (Attachment H-1 of the Final Order):

The proposed access road changes enter into the northeast corner of SLIDO 2030 and across the Malheur River from SLIDO 2027. A site visit to SLIDO 2030 on November 17, 2011. A reconnaissance of the slide occurred in fall 2021 while drilling two geotechnical borings adjacent to the Proposed Site Boundary Additions and observed no surficial features indicative of an active landslide. Based on surficial observations, aerial imagery, and LiDAR, coupled with the fact the Oregon Canal is constructed on SLIDO 2027, the Proposed Site Boundary Additions appear to be in an area of the landslide that is relatively stable.

Malheur County Access Roads (Figure 7-2, Map 34), Mapped Landslide Deposits, SLIDO 2030 and 2034 (Attachment H-1 of the Final Order):

The proposed access road changes are mapped uphill and approximately 450 feet away from the possible headscarp of SLIDO 2030 and over the hill from SLIDO 2034. A reconnaissance was performed adjacent to the proposed access road changes in fall 2021 and surficial features indicative of active landslides or geologic hazards were not observed. There are mapped alluvial fan deposits near the boundaries, but situated far enough away where they should not impact the design of the Proposed Site Boundary Additions.

Malheur County Access Roads (Figure 7-2, Map 39), Mapped Landslide Deposits, SLIDO 2069 (Attachment H-1 of the Final Order):

Mapped landslide deposits and SLIDO 2069 are approximately 0.4 mile north of the proposed access road changes. Based on aerial imagery, the Proposed Site Boundary Additions are in a gently sloping area near an existing Kingman Lateral canal siphon and well away from SLIDO 2069. The Proposed Site Boundary Additions are in an area that does not appear to have geologic hazards that would impact design.

IPC will continue to investigate the potential areas of soil instabilities during ongoing site-specific geotechnical work. Site-specific geotechnical design will consider the most recent version of the International Building Code (IBC 2018) to address the seismic hazards of the Proposed Site Boundary Additions, similar to the evaluation performed in Attachment H-1 of the Final Order.

IPC will continue to adequately characterize the seismic, geological and soils hazards in order to design, engineer, and construct the Proposed Site Boundary Additions to avoid dangers to human safety and the environment. Therefore, based on the information provided in this RFA 1 and the application of the relevant Site Certificate conditions, IPC has demonstrated that the Proposed Site Boundary Additions comply with the Structural Standard.

7.1.2 Soil Protection – OAR 345-022-0022

The Soil Protection Standard requires the Council to find that, after taking mitigation into account, the design, construction, and operation of a facility will not likely result in a significant adverse impact to soils. Exhibit I of the ASC identified the soil conditions and land uses in accordance with the submittal requirements in OAR 345-021-0010 (1)(I) paragraphs (A) through (E). The following applies a similar analysis to the Proposed Site Boundary Additions.

7.1.2.1 Background Review

IPC identified the properties of soils throughout the RFA 1 site boundary using literature-derived soil properties and land cover types. The U.S. Department of Agriculture (USDA) Natural Resources Conservation Service (NRCS) maintains the State Soil Geographic Database

(STATSGO; NRCS 2011), which presents general soil properties for the entire United States. STATSGO data are used to characterize soil erosion and soil reclamation properties.

The U.S. Geological Survey (USGS) maintains the National Elevation Dataset (NED) with nationwide coverage of detailed elevation information compiled from multiple sources. The NED data were used for the slope analysis presented in this RFA 1.

7.1.2.2 Surveys

Site-specific geotechnical investigations are ongoing for all of the Proposed Site Boundary Additions. Detailed information relating to the scope of the geotechnical investigation is available in Attachment H-1 of the Final Order. The investigation includes drilling of exploration borings and collection of soil samples for laboratory analysis of soil properties.

7.1.2.3 Findings

Figure 7-3 and Figure 7-4 are mapbooks of the STATSGO soil mapping units contained within the proposed site boundary changes. Attachment 7-1 is a table displaying the STATSGO soil properties by soil mapping units contained within the Proposed Site Boundary Additions. Table 7.1-1 summarizes the STATSGO data at the highest soil taxonomic level, soil order.

Table 7.1-1. Soil Orders within the Site Boundary of RFA 1

County	Soil Order (acres)			
	Aridisols	Mollisols	Andisols	Entisols
Morrow	36.7	103.8	–	–
Umatilla	–	71.3	–	–
Union	–	36.7	–	–
Baker	–	597.8	–	50.5
Malheur	72.6	66.5	–	–
RFA 1 Total	109.4	876.1	–	50.5

Source: STATSGO

Current land uses that may require or depend on productive soils were evaluated by identifying high value farmland soils data and land cover type data. High value farmland soils data are shown in Table 7.1-2 to identify lands that may include current land uses that require or depend on productive soils within the Proposed Site Boundary Additions. The high value farmland soils data do not provide a qualitative description of actual current land use but may be representative of current agricultural land uses within the proposed site boundary changes. For purposes of this analysis, IPC assumes that high value farmland soils are actively used for agricultural purposes and depend on the presence of productive soils. Similarly, IPC assumes that land cover types identified as agriculture (cultivated crops and pasture/hay) and forest/woodland also require productive soils. For estimates on the amount of the Proposed Site Boundary Additions in agriculture and forest/woodland, see the habitat mapping performed in Section 7.1.5.

Table 7.1-2. High Value Farmland Soils within Site Boundary of RFA 1

County	Site Boundary (acres)	High Value Farmland Soils (acres) ¹
Morrow	140.6	73.8
Umatilla	71.3	59.4
Union	36.7	20.7
Baker	648.3	479.1
Malheur	139.1	7.9
RFA 1 Total	1,036.0	640.9

¹ Source: SSURGO data.

Impacts on soils from Project activities are discussed in the ASC in regard to how the Project may contribute to soil erosion, loss of reclamation potential, and the potential for chemical spills. RFA 1 does not describe these potential soil impacts but does identify the RFA 1 soil properties that indicate susceptibility to erosion and loss of reclamation potential. Impacts resulting from chemical spills will be mitigated per the Spill Prevention, Control, and Countermeasures Plan as required under condition GEN-SP-02.

Soil erosion factors are defined in Exhibit I of the ASC and include: soil K factor, wind erodibility, slope, and soil T factor. Table 7.1-3 shows the soil erosion factors for RFA 1 construction areas. Construction areas are inclusive of temporarily disturbed areas that will be reclaimed and areas that will maintain a permanent facility through operation of the Project.

Table 7.1-3. Erosion Factors in RFA 1 Construction Disturbance Area

County	Construction Disturbance Area (acres)	Highly Wind Erodeable ^{1,2}		High K Factor ^{1,3}		Slope Greater Than 25% ⁵		Low T Factor ^{1,4}	
		Acres	%	Acres	%	Acres	%	Acres	%
Morrow	23.8	6.0	25.4%	20.2	84.7%	–	–	3.6	15.3%
Umatilla	11.1	–	–	11.1	100%	–	–	6.6	59.3%
Union	6.5	–	–	3.6	55.2%	–	–	2.6	40.2%
Baker	120.6	–	–	74.5	61.8%	25.6	21.2%	105.2	87.2%
Malheur	25.2	2.5	9.9%	5.8	23.0%	1.2	4.6%	21.6	85.4%
RFA 1 Total	187.2	8.6	4.6%	115.1	61.5%	26.8	14.3%	139.5	74.5%

¹ Source: STATSGO data.

² Highly wind erodible include STATSGO wind erodibility classes 1 through 4 (wind erosion greater than or equal to 86 tons per acre per year).

³ High K factor defined as K factor greater than or equal to 0.37.

⁴ Low T factor defined as T factor less than or equal to 2 tons per acre per year.

⁵ Source: USGS National Elevation Dataset database.

Soil reclamation factors are defined in Exhibit I of the ASC and include: soil compaction, stony-rocky soils, droughty soil, shallow bedrock, and hydric soils. Table 7.1-4 identifies the soil reclamation factors of soils in the Proposed Site Boundary Additions construction areas. The NRCS STATSGO soil properties were reviewed within the Proposed Site Boundary Additions. No soil was detected with the combination of fine grain size, and poor drainage characteristics that would result in classification as highly compactible. Therefore, no areas within the construction disturbance area were identified as needing special considerations for soil compaction.

Table 7.1-4. Soil Reclamation Factors in RFA 1 Construction Disturbance Area

County	Construction Disturbance Area (acres)	Stony/Rocky ^{1,2}		Droughty ^{1,3}		Shallow Bedrock ^{1,4}		Hydric Soil ⁵	
		Acres	%	Acres	%	Acres	%	Acres	%
Morrow	23.8	3.6	15.3%	9.7	40.7%	17.6	74.0%	23.8	100%
Umatilla	11.1	4.5	40.7%	4.5	40.7%	11.1	100%	11.1	100%
Union	6.5	6.0	91.9%	6.0	91.9%	6.0	91.9%	3.1	48.3%
Baker	120.6	120.0	99.5%	120.0	99.5%	105.2	87.2%	120.6	100%
Malheur	25.2	17.5	69.4%	12.8	50.9%	16.6	65.8%	0.6	2.4%
RFA 1 Total	187.2	151.7	81.0%	153.0	81.7%	156.5	83.6%	159.2	52.5%

¹ Source: STATSGO data.

² Stony rocky soil is defined as soil with at least 20 percent of soil particles with size greater than 2 mm.

³ Droughty soils are defined as soil with sandy loam or coarser texture, and drainage class of moderately to excessively well-drained.

⁴ Shallow bedrock is defined as bedrock occurring within 51 inches of ground surface.

⁵ Source for hydric soil is SSURGO database and Oregon Wetland Database from the Oregon Spatial Data Library (2013).

Note: SSURGO and STATSGO databases did not contain any highly compactable soil within the analysis area; therefore, highly compactable soil is not shown on this table.

7.1.2.4 Conclusion

The Proposed Site Boundary Additions occur in soil conditions that were previously characterized and evaluated in the ASC and do not affect the basis for the Council's previous findings of compliance with the Soil Protection Standard. Changes proposed in RFA 1 would adhere to all soil protection conditions identified in the Site Certificate, including: compliance with the NPDES 1200-C permit and Erosion and Sediment Control Plan (GEN-SP-01); development of a final Construction Hazardous Waste Management and Spill Response Plan (GEN-SP-02 and GEN-SP-03); development of a final Blasting Plan (GEN-SP-04); and regular inspection of the as-built facility components for ongoing soil impacts (OPR-SP-01). Therefore, the Council may conclude that the Proposed Site Boundary Additions comply with the Soil Protection Standard.

7.1.3 Land Use – OAR 345-022-0030

Under OAR 345-021-0010(1)(k), an applicant must elect to address the Council's Land Use standard by obtaining local land use approvals directly from the relevant local governments under Oregon Revised Statutes (ORS) 469.504(1)(a), or by obtaining a Council determination under ORS 469.504(1)(b). In the ASC, IPC elected to have the Council make the land use determination for the Project under ORS 469.504(1)(b) and OAR 345-022-0030(2)(b). The ASC identified applicable substantive criteria from the following local governments: Morrow County, Umatilla County, Union County, Baker County, Malheur County, City of North Powder, and City of Huntington. The analysis area for potential land use impacts, as defined in the ASC, is the area within and extending half-mile from the site boundary. An assessment of applicable substantive criteria for RFA 1 follows with subsections 7.1.3.1 through 7.1.3.13 below.

7.1.3.1 Morrow County Applicable Substantive Criteria and Comprehensive Plan

Section 5.2.3 details the Proposed Site Boundary Additions in Morrow County. Figure 7-5 shows the Proposed Site Boundary Additions overlaid on Morrow County Zoning. The Council previously found that the Project would be consistent with applicable criteria of the MCZO and

MCCP.⁴ There have been no substantive modifications to the Morrow County Zoning Ordinance (MCZO; Morrow County 2017) or to the Morrow County Comprehensive Plan (MCCP; Morrow County 1986) since the Certificate Holder submitted the ASC on September 28, 2018. Specifically, the Certificate Holder has reviewed and confirmed there have been no changes to the Agricultural, Natural Hazards, Utility Finding, and Goal 5 Resources policies of the Morrow County Comprehensive Plan that were addressed in the Council’s Final Order on the ASC. Since September 28, 2018, Morrow County has amended the listing of proposed aggregate sites on the Morrow County Inventory of Natural Resources - Aggregate and Mineral Resources. None of the new mineral aggregate resources identified in the Significant Resource Overlay Map occur within the site boundary or within 0.5 mile of the area subject to RFA 1. As such, Morrow County’s Inventory of Natural Resources has not changed in ways that would impact the Council’s prior findings under the land use standard.

The Proposed Site Boundary Additions do not affect the findings provided in the Final Order and summarized in Table 7.1-5.

Table 7.1-5. Morrow County Applicable Substantive Criteria

Section/Subsection	Name	Effect of Proposed Change
Morrow County Zoning Ordinance (MCZO)		
Article 3 – Use Zones		
Section 3.010	Exclusive Farm Use (EFU) Zone	<p>Applicable and complies. Portions of the Proposed Site Boundary Addition in Morrow County will occur within the EFU zone. Transmission lines that are necessary for public service are permitted in EFU lands under MCZO Section 3.010(D)(10), provided the towers are no greater than 200 feet in height. The Proposed Site Boundary Additions in RFA 1 are part of a transmission line project necessary for public service and do not include towers greater than 200 feet. Accessory uses are also permitted in EFU lands. MCZO 1.030 defines “accessory use” as “a use incidental and subordinate to the main use of the property and located on the same lot as the main use.” Because the access roads will serve the transmission lines and will be located on the same lot as the transmission lines, the access roads are considered an accessory use to the transmission lines. Therefore, the portions of the Proposed Site Boundary Addition occurring in the EFU Zone are permitted outright under MCZO 3.010(D)(10).</p>

⁴ Boardman to Hemingway Transmission Line Application for Site Certificate - Final Order, p. 162-163 (September 2022)

Section/Subsection	Name	Effect of Proposed Change
Subsection D	Use Standards	<p>Applicable and complies. MCZO 3.010(D)(10) identifies utility facilities “necessary” for public service as a conditional use permitted on EFU zone land, subject to MCZO Article 6 Conditional Uses. The Council concluded the transmission line and associated access roads, modified existing roads, multi-use areas, temporary pulling and tensioning sites, and communication stations in the EFU zone are considered under the “utility facility necessary for public service” land use category. The Council previously found that the conditional use requirements beyond those that are consistent with ORS 215.275 are not applicable to proposed and alternative facility components because, as a utility facility necessary for public service under ORS 215.283(1)(c), the use is permitted subject only to the requirements of ORS 215.275 and the county cannot impose additional approval criteria. Therefore, the conditional use requirements of MCZO Article 6 Conditional Uses and are not evaluated as applicable substantive criteria. The Council’s previous determination that the ASC complies with Section 3.010(D) and ORS 215.275 is applicable to RFA 1.</p>
Section 3.070	General Industrial (M-G) Zone	<p>Not applicable. The ASC included a portion of the transmission line and accessory uses within the M-G zone. The Proposed Site Boundary Additions are not within the M-G zone, so these standards do not affect RFA 1.</p>
Subsection A	Uses Permitted Outright	<p>Not applicable. The ASC included a portion of the transmission line and accessory uses within the M-G zone. The Proposed Site Boundary Additions are not within the M-G zone, so these standards do not affect RFA 1.</p>
Subsection C	Use Limitations	<p>Not applicable. The ASC included a portion of the transmission line and accessory uses within the M-G zone. The Proposed Site Boundary Additions are not within the M-G zone, so these standards do not affect RFA 1.</p>

Section/Subsection	Name	Effect of Proposed Change
Subsection D	Dimension Requirements	Not applicable. The ASC included a portion of the transmission line and accessory uses within the M-G zone. The Proposed Site Boundary Additions are not within the M-G zone, so these standards do not affect RFA 1.
Subsection E	Transportation Impacts	Not applicable. The ASC included a portion of the transmission line and accessory uses within the M-G zone. The Proposed Site Boundary Additions are not within the M-G zone, so these standards do not affect RFA 1.
Section 3.073	Port Industrial (PI) Zone	Not applicable. The ASC included a portion of the transmission line and accessory uses within the PI zone. The Proposed Site Boundary Additions are not within the PI zone, so these standards do not affect RFA 1.
Subsection A	Uses Permitted Outright	Not applicable. The ASC included a portion of the transmission line and accessory uses within the PI zone. The Proposed Site Boundary Additions are not within the PI zone, so these standards do not affect RFA 1.
Subsection C	Use Limitations	Not applicable. The ASC included a portion of the transmission line and accessory uses within the PI zone. The Proposed Site Boundary Additions are not within the PI zone, so these standards do not affect RFA 1.
Subsection D	Dimensional Standards	Not applicable. The ASC included a portion of the transmission line and accessory uses within the PI zone. The Proposed Site Boundary Additions are not within the PI zone, so these standards do not affect RFA 1.
Subsection F	Transportation Impacts	Not applicable. The ASC included a portion of the transmission line and accessory uses within the PI zone. The Proposed Site Boundary Additions are not within the PI zone, so these standards do not affect RFA 1.
Section 3.100	Flood Plain Overlay Zone	Applicable and complies. Portions of the Proposed Site Boundary Additions fall within the 100-year flood plain along Little Juniper Creek, which is classified as a Special Flood Hazard Area (SFHA) in the Flood Plain Overlay Zone. MCZO Section 3.100(4.1-1) establishes that a

Section/Subsection	Name	Effect of Proposed Change
		<p>flood plain development permit is required for construction activities within a SFHA. GEN-LU-O1 requires the Certificate Holder to obtain, prior to construction of any phase or segment of the Project, a Flood Plain Development Permit for work in the Flood Plain Overlay zone. GEN-LU-O2 restricts structure placement within the SFHA, or requires adherence to MCZO requirements for anchoring and construction materials and methods. Because Site Certificate Conditions GEN-LU-O1 and GEN-LU-O2 will apply to the Proposed Site Boundary Additions and IPC will obtain a Flood Plain Development for the relevant portions of the Proposed Site Boundary Additions, the Proposed Site Boundary Additions will comply with Section 3.100.</p>
Section 4.1-1	Development Permit	<p>Applicable and complies. The Proposed Site Boundary Additions fall within the 100-year flood plain along Little Juniper Creek, which is classified as a SFHA in the Flood Plain Overlay Zone. GEN-LU-O1 requires the Certificate Holder to obtain, prior to construction of any phase or segment of the Project, a Flood Plain Development Permit for work in the Flood Plain Overlay zone. Because Site Certificate Conditions GEN-LU-O1 and GEN-LU-O2 will apply to the Proposed Site Boundary Additions and IPC will obtain a Flood Plain Development for the relevant portions of the Proposed Site Boundary Additions, the Proposed Site Boundary Additions will comply with Section 4.1-1.</p>
Section 5.1-1	Anchoring	<p>Applicable and complies. The Proposed Site Boundary Additions fall within the 100-year flood plain along Little Juniper Creek, which is classified as a SFHA. GEN-LU-O2 restricts structure placement within the SFHA, or requires adherence to MCZO requirements for anchoring and construction materials and methods. Because Site Certificate Condition GEN-LU-O2 will apply to the Proposed Site Boundary Additions, the Proposed Site Boundary Additions will comply with Section 5.1-1.</p>

Section/Subsection	Name	Effect of Proposed Change
Section 5.1-2	Construction Materials and Methods	Applicable and complies. The Proposed Site Boundary Additions fall within the 100-year flood plain along Little Juniper Creek, which classifies as SFHA. GEN-LU-O2 restricts structure placement within the SFHA, or requires adherence to MCZO requirements for anchoring and construction materials and methods. Because Site Certificate Condition GEN-LU-O2 will apply to the Proposed Site Boundary Additions, the Proposed Site Boundary Additions will comply with Section 5.1-2.
Section 3.200	Significant Resource (Goal 5) Sites	Applicable and complies. Morrow County established a Significant Resource Overlay Map identifying the location of designated Goal 5 resources. The County indicated in the original ASC that only those resources depicted on the 1986 Significant Resource Overlay Map were considered Goal 5 designated resources in Morrow County. On December 7, 2015, the County provided to IPC Geographic Information System data identifying the location of the Goal 5 designated resources in Morrow County under the 1986 Significant Resource Overlay Map and the MCCP. Figure K-22 of the original ASC depicts the 1986 Significant Resource Overlay Map information provided by Morrow County and shows the upper reach of Juniper Canyon, but not Little Juniper Canyon. There are no Goal 5 resources, as identified in the 1986 map, within the analysis area for RFA 1. Therefore, the Proposed Site Boundary Additions will comply with the County's Goal 5 standards in Section 3.200.
Section D	Review Criteria	Not applicable. There are no Goal 5 resources identified within the analysis area for RFA 1, so these standards do not affect RFA 1.
Section E	List of Conflicting Uses and Activities	Not applicable. There are no Goal 5 resources identified within the analysis area for RFA 1, so these standards do not affect RFA 1.

Section/Subsection	Effect of Proposed Change
Morrow County Comprehensive Plan	
Agricultural Policy 1	The Proposed Site Boundary Additions do not affect consistency with Agricultural Policy 1. GEN-LU-11 requires the Certificate Holder to finalize, prior to construction, an Agricultural Land Assessment and Mitigation Plan, which implements mitigation measures and monitoring during construction. Therefore, the Council’s previous findings, analysis, and conclusions that the Project would be consistent with MCCP Agricultural Policy 1 are equally applicable to RFA 1.
Natural Hazards Element	The Proposed Site Boundary Additions do not affect consistency with the Natural Hazards Element. As described under Section 3.100, GEN-LU-O1 requires the Certificate Holder to obtain, prior to construction of any phase or segment of the Project, a Flood Plain Development Permit for work in the Flood Plain Overlay zone. GEN-LU-O2 restricts structure placement within the SFHA, or requires adherence to MCZO requirements for anchoring and construction materials and methods. Therefore, the Council’s previous findings, analysis, and conclusions that the Project would be consistent with the MCCP Natural Hazards Element are equally applicable to RFA 1.
Utility Finding C; Policy C	The Proposed Site Boundary Additions do not affect consistency with Utility Finding C; Policy C. The proposed site boundary changes do not impact the selection of the Longhorn Station site. Therefore, the Council’s previous findings, analysis, and conclusions that the Project would be consistent with MCCP Utility Finding C; Policy C are equally applicable to RFA 1.
Goal 5 Resources	There are no new Goal 5 resources identified within the analysis area for RFA 1. The Council may find that no additional analysis is required to comply with the County’s Goal 5 standards in Section 3.200(E) and the MCCP.

7.1.3.2 Umatilla County Applicable Substantive Criteria and Comprehensive Plan

Section 5.2.4 details the portions of the Proposed Site Boundary Addition in Umatilla County. Figure 7-6 shows the Proposed Site Boundary Additions overlaid on Umatilla County Zoning. The Council previously concluded that the Project, including access roads, complied with the applicable substantive criteria of Umatilla County’s comprehensive plan and development code.⁵ There have been no substantive modifications to the Umatilla County Development Ordinance (UCDO; Umatilla County 2022) or to the Umatilla County Comprehensive Plan (UCCP; Umatilla County 2022) since the Certificate Holder submitted the ASC on September 28, 2018. Specifically, the Certificate Holder has reviewed and confirmed there have been no changes to the Open Space, Scenic and Historic Areas, and Natural Resources and Public Facilities and Services Elements of the Umatilla County Comprehensive Plan that were identified in the Final Order for the ASC.⁶ Since September 28, 2018, Umatilla County has amended the previously reviewed Transportation Element. However, the change is not substantive (as described in

⁵ Boardman to Hemingway Transmission Line Application for Site Certificate - Final Order, p. 168-186 (September 2022)

⁶ Boardman to Hemingway Transmission Line Application for Site Certificate - Proposed Order, p. 184-185 (September 2022)

Section 7.1.3.8). In addition, the UCDO has been updated in 2022, but the updates did not change or alter the criteria evaluated with the ASC..

Table 7.1-6. Umatilla County Applicable Substantive Criteria

Section/Subsection	Name	Effect of Proposed Change
Umatilla County Development Code (UCDC)		
Exclusive Farm Use (EFU) Zone		
Section 152.059	Land Use Decisions	Applicable and complies. Portions of the Proposed Site Boundary Additions in Umatilla County will occur within the EFU zone. UCDC 152.059(C) establishes that utility facilities necessary for public service may be permitted in the EFU zone through a zoning permit under UCDC 152.025. The Council previously concluded the associated access roads, modified existing roads, multi-use areas, and communication stations in the EFU zone are considered under the “utility facility necessary for public service” land use category. Therefore, the portions of the Proposed Site Boundary Additions occurring within the County’s EFU zone are permitting under Section 152.059.
Grazing Farm (GF) Zone		
Section 152.085	Conditional Uses Permitted	Applicable and complies. Portions of the Proposed Site Boundary Additions in Umatilla County will occur within the GF zone. UCDC 152.085(R) identifies new utility facilities for public service, defined in UCDC 152.617(1)(C) as commercial utility facilities for the purpose of generating and distributing power for public use by sale, as a conditional use permitted on GF zoned land. The Council previously concluded that UCDC 152.085(R) does not apply to facility components located in GF land because it applies to commercial utility facilities for the purpose of generating and distributing power and is therefore not applicable to the non-energy generating facility (or specific non-generating facility components) in the GF zone. Therefore, the portions of the Proposed Site Boundary Additions occurring within the County’s Grazing Farm zone are permitted under Section 152.085.

Section/Subsection	Name	Effect of Proposed Change
Light Industrial (LI) Zone		
Section 152.303	Conditional Uses Permitted	Not applicable. The ASC included one temporary multi-use area within Umatilla County's LI zone. The Proposed Site Boundary Additions are not within the LI zone, so these standards do not affect RFA 1.
Section 152.304	Limitations on Use	Not applicable. The Proposed Site Boundary Additions are not within the LI zone, so these standards do not affect RFA 1.
Section 152.306	Dimensional Standards	Not applicable. The Proposed Site Boundary Additions are not within the LI zone, so these standards do not affect RFA 1.
Rural Tourist Commercial (RTC) Zone		
Section 152.283	Conditional Uses Permitted	Not applicable. The ASC included a portion of a temporary multi-use area within Umatilla County's RTC zone. The Proposed Site Boundary Additions are not within the RTC zone, so these standards do not affect RFA 1.
Section 152.284	Limitations on Use	Not applicable. The Proposed Site Boundary Additions are not within the RTC zone and do not impact the temporary multi-use area.
Section 152.286	Dimensional Standards; Setbacks	Not applicable. The Proposed Site Boundary Additions are not within the RTC zone and do not impact the temporary multi-use area.
General Provisions		
Section 152.010	Access to Buildings	Applicable and complies. UCDC 152.010 establishes general provisions for site and building access that is applicable to the temporary multi-use areas and communications stations in all zones. GEN-LU-04 dictates the terms necessary to comply with the UCDC 152.010 requirements. Because Site Certificate Condition GEN-LU-04 will apply to the Proposed Site Boundary Additions, the Proposed Site Boundary Additions will comply with UCDC 152.010.
Section 152.016	Riparian Vegetation	Applicable and complies. UCDC 152.016 establishes standards for permitted uses in all zones that result in maintenance, removal and replacement of riparian vegetation along streams,

Section/Subsection	Name	Effect of Proposed Change
		lakes and wetlands. The Council's previous determination that the ASC complies with Section 152.016 is applicable to RFA 1. GEN-LU-04 will ensure compliance with UCDC 152.016 requirements. Because Site Certificate Condition GEN-LU-04 will apply to the Proposed Site Boundary Additions, the Proposed Site Boundary Additions will comply with UCDC 152.016.
Section 152.017	Conditions for Development Proposals	Applicable and complies. UCDC 152.016 requires that a permitted uses in all zones not impose a significant change in trip generation within the local transportation system. The trip durations associated with the Proposed Site Boundary Additions are similar to those considered by the Council in the Final Order and are not likely to generate a significant increase in trip generation. The Council's previous determination that the ASC complies with Section 152.017 is applicable to RFA 1. PRE-PS-02 will ensure compliance with UCDC 152.017 requirements. Because the Proposed Site Boundary Additions will not generate significant increase in trip generation and Site Certificate Condition PRE-PS-02 will apply to the Proposed Site Boundary Additions, the Proposed Site Boundary Additions will comply with UCDC 152.017.
Section 152.439	Historical, Archeological or Cultural Site/Structure Overlay; Criteria for Review	Not applicable. UCDC 152.439 establishes requirements for proposed uses in the Historical, Archeological or Cultural (HAC) Site/Structure Overlay zone. The Certificate Holder maintains the HAC Overlay zone is over 25 miles from the proposed site boundary and therefore does not apply to the proposed Project site. As detailed in this RFA 1 under Section 7.1.8, new surveys have occurred to determine the proposed amendment makes no changes that will alter the basis for the Council's earlier findings, or its conclusion that the Project will not likely result in an adverse impact to any historical, cultural and

Section/Subsection	Name	Effect of Proposed Change
		archaeological resources in the analysis area, and therefore the amendment request meets the requirement of the Historical, Cultural and Archaeological Resources Standard.
Section 152.456	Critical Winter Range Overlay; Applicability	<p>Not applicable. UCDC 152.458 establishes requirements for specific uses in the Critical Winter Range (CWR) Overlay zone that would result in eventual placement of a dwelling, and administrative review of non-resource dwellings. The ASC demonstrated that UCDC 152.458 standards apply to dwellings, and because the Project does not include any dwellings, UCDC 152.458 does not apply to the Project.</p> <p>Even so, potential impacts to elk and deer winter range were evaluated under the Council's Fish and Wildlife Habitat standard. Section 7.1.5 of this RFA 1 evaluates potential impacts to elk and deer winter range and proposes mitigation that meet that standard.</p>
Goal 5	Technical Report D-63	<p>Applicable and complies. The Proposed Site Boundary Additions cross into medium density archaeological and McKay Creek waterfowl/furbearer Goal 5 resource areas that were previously identified with the original ASC. There are no new Goal 5 resources identified within the analysis area for RFA 1.</p> <p>The Certificate Holder stated in the original ASC that Umatilla County has not adopted any Goal 5 protection program for furbearers and hunted non-game wildlife, or Goal 5 fish streams. Nevertheless, impacts to streams and riparian vegetation would be minimized as evaluated under UCDC 152.286 and 152.306 and imposed under Condition GEN-LU-04, which requires a 100-foot setback from structures to the high water mark of any stream, lake or wetland; minimization of cleared vegetation; and, restoration and monitoring.⁷</p>

⁷ Boardman to Hemingway Transmission Line Application for Site Certificate - Final Order, p. 184 (September 2022)

Section/Subsection	Name	Effect of Proposed Change
		<p>As evaluated in the Final Order, UCDC 152.435 through 152.443 are the only applicable provisions to HAC sites within the HAC Site/Structure Overlay Zone UCDC. UCDC 152.436 defines an HAC site as “any historic, archeological or cultural site or structure, or geographic area listed on the Umatilla County Register of Historic Landmarks or recognized as significant by the County Comprehensive Plan and Technical Report.” Umatilla County has not identified any specific HAC sites or structures included in the Goal 5 inventory within the analysis area. A complete assessment of protected areas, scenic resources, and historical resources follows below in Sections 7.1.4, 7.1.7, and 7.1.8. Because Umatilla County has not adopted specific provisions for Goal 5 HAC sites, the Council found no additional analysis is required to comply with the County’s Goal 5 planning goals for historic resources.⁸</p> <p>Therefore, the Council may find that no additional analysis is required to comply with the County’s Goal 5 planning goals.</p>
Umatilla County Comprehensive Plan		
<p>Open Space, Scenic and Historic Areas, and Natural Resources Element - Finding 37; Policy 37</p>		<p>The Proposed Site Boundary Additions do not affect consistency with Open Space, Scenic and Historic Areas, and Natural Resources Element - Finding 37; Policy 37. The Project would predominately be located on EFU-zoned land within Umatilla County which, based on Policy 37, may be considered open space appropriate for energy facility use. The Council’s previous determination that the Project would not significantly impact accepted farm practices remains applicable to RFA 1. A complete assessment of protected areas, scenic resources, and historical resources follows below in Sections 7.1.4, 7.1.7, and 7.1.8.</p>
<p>Public Facilities and Services Element - Finding 19; Policy 19</p>		<p>The Proposed Site Boundary Additions do not affect consistency with Public Facilities and Services Element - Finding 19; Policy 19. Minimum separation distances for high-voltage transmission lines, as established by the North American Electric Reliability Corporation (NERC) and Western Electricity Coordinating Council (WECC), remain a constraint. The Council’s previous determination that the</p>

⁸ Boardman to Hemingway Transmission Line Application for Site Certificate - Final Order, p. 184 (September 2022)

Section/Subsection	Name	Effect of Proposed Change
		ASC evaluated feasibility of using existing right-of-ways remains applicable to RFA 1.
Transportation Element - Finding 20; Policy 20		The Proposed Site Boundary Additions do not affect consistency with Transportation Element - Finding 20; Policy 20. Minimum separation distances for high voltage transmission lines, as established by NERC and WECC, remain a constraint. The Certificate Holder worked extensively with local landowners in the siting process and Umatilla County maintains the opportunity to review recommendations consistent with the Transportation Element Finding 20 and Policy 20.

7.1.3.3 Union County Applicable Substantive Criteria and Comprehensive Plan

Section 5.2.5 details the Proposed Site Boundary Additions in Union County (Figure 4-1, Maps 12 to 17). Figure 7-7 shows the Proposed Site Boundary Additions overlaid on Union County Zoning and Figure 7-8 shows the Proposed Site Boundary Additions overlaid on parcels whose predominant use was evaluated in the ASC. All Proposed Site Boundary Additions in Union County that are in the hybrid Timber-Grazing Zone occur on parcels whose predominant use was evaluated in the ASC. The Council previously concluded that the Project transmission line, including access roads, complied with the applicable substantive criteria of Union County’s development ordinance.⁹ There have been no substantive modifications to the Union County Zoning, Partition, and Subdivision Ordinance (UCZPSO; Union County 2015) since the Certificate Holder submitted the ASC on September 28, 2018. The Certificate Holder identified slight differences (detailed below in Table 7.1-7) in criteria references when comparing the ASC and Final Order with UCZPSO available on the County website. However, the differences are not substantive, and the criteria evaluated with the ASC remains consistent with existing applicable criteria in the UCZPSO. As such, an analysis of the updated applicable criteria follows in Section 7.1.3.9.

Table 7.1-7. Union County Applicable Substantive Criteria

Section/Subsection	Name	Effect of Proposed Change
Union County Zoning, Partition, and Subdivision Ordinance (UCZPSO)		
Exclusive Farm Use(A-1) Zone		
Section 2.03	Administrative Uses	Not applicable. Portions of the Proposed Site Boundary Additions occur within Union County’s EFU A-1 zone. The Final Order listed utility facilities necessary for public service as an administrative use in the A-2 zone; however, the UCZPSO states in Article 2.04(11) that utility facilities necessary for public service are conditional uses with general review criteria. Compliance with the applicable conditional use standards of Article 2.04(11) is detailed under Section 7.1.3.9.

⁹ Boardman to Hemingway Transmission Line Application for Site Certificate - Final Order, p. 191-211 (September 2022)

Section/Subsection	Name	Effect of Proposed Change
Agricultural-Grazing (A-2) Zone		
Section 3.03	Administrative Uses	Not applicable. Portions of the Proposed Site Boundary Additions occur within the County's A-2 zone. The Final Order listed utility facilities necessary for public service as an administrative use in the A-2 zone, however the UCZPSO states in Article 3.04(11) that utility facilities necessary for public service are conditional uses with general review criteria. The Council previously found the Project is a utility facility necessary for public service that would be a permitted use in the A-2 zone. As such, an analysis of the updated applicable criteria follows in Section 7.1.3.9.
Section 3.04	Conditional Uses	Applicable and complies. Article 2.04(11) and 3.04(11) state that utility facilities necessary for public service are conditional uses with general review criteria. As such, an analysis of the updated applicable criteria follows in Section 7.1.3.9.
Section 3.05	Use Standards	Applicable and complies. The use standards for a utility facility necessary for public service is listed under UCZPSO Section 3.05(15), as analyzed in Section 7.1.3.9
Section 3.07	Development Standards	Applicable and complies. The Final Order referenced UCZPSO Section 3.07 for development standards, but Section 3.07 speaks to dwellings associated with farm use. The current UCZPSO establishes development standards for uses permitted in the A-2 zone in Section 3.17. The numbering has changed, but the criteria is identical (see comparison in Section 7.1.3.8). No partitions are proposed subject to Section 3.17(1). The Council's previous determination that the ASC complies with Section 3.07 is applicable to RFA 1. GEN-LU-06 ensures compliance with setback requirements outlined in Section 3.17(2) and signage siting requirements outlined in Section 3.17(4). Therefore, the Council may rely on its previous findings and conditions, and the Project, as amended by RFA 1, will continue to comply with these standards.
Section 3.08	Development and Fire Siting Standards	Not applicable. There are no Development and Fire Siting Standards in Article 3.00 and Section 3.08 speaks to accessory farm

Section/Subsection	Name	Effect of Proposed Change
		<p>dwellings. Development and Fire Siting Standards are listed in UCZPSO Section 5.08, which identifies fire siting standards for structures including requirements for placement of signs, specifying the location and size.</p> <p>GEN-LU-06 ensures compliance with these standards by requiring submission of Union County permits in accordance with UCZPSO Sections 3.08 and 5.08. Since there is no reference to signage in Section 3.08, the Certificate Holder assumes the Council intended to refer to the development standards of Section 3.17.</p>
Timber-Grazing (A-4) Zone		
Section 5.03	Administrative Uses	<p>Not applicable. Portions of the Proposed Site Boundary Additions will occur within the County's A-4 zone. However, the ASC listed utility facilities necessary for public service as an administrative use in the A-4 zone; however, the UCZPSO states in Article 5.04(21) that new electric transmission lines with right-of-way widths up to 100 feet, as specified in ORS 772.210, are conditional uses with general review criteria. As such, an analysis of the updated applicable criteria follows in Section 7.1.3.9.</p>
Section 5.04	Predominantly Forestland Conditional Uses	<p>Applicable and complies. Article 5.04(21) states that new electric transmission lines with right-of-way widths up to 100 feet are conditional uses with general review criteria. This definition applies the Project. An analysis of the updated applicable criteria follows in Section 7.1.3.9.</p>
Section 5.06	Minimum Parcel Sizes	<p>Not applicable. The updated UCZPSO details minimum parcel sizes in Article 5.10. The minimum parcel sizes remain unchanged; however, no partitions are proposed. The parcels to be used for siting of the proposed and alternative facility components within A-4 zoned land would not likely involve partitioning, however if partition is necessary, the Certificate Holder would work directly with Union County to obtain approval according to minimum parcel size standards.</p>

Section/Subsection	Name	Effect of Proposed Change
Section 5.07	Siting Standards for Dwellings and Structures	Not applicable. The Council previously found that no additional limitations are warranted since the communication stations have been sited in a way to minimize any unnecessary cumulative impacts. The Proposed Site Boundary Additions do not involve communication stations or other structures, and therefore Section 5.07 does not apply to the Proposed Site Boundary Additions.
Section 5.08	Development and Fire Siting Standards	Applicable and complies. The applicable Development and Fire Siting Standards are listed in UCZPSO Section 5.08, which identifies fire siting standards for structures including requirements for placement of signs, specifying the location and size. These standards have not changed and the Council's previous determination that the ASC complies with Section 5.08 is applicable to RFA 1. GEN-LU-06 ensures compliance with these standards by requiring submission of Union County permits in accordance with UCZPSO Section 5.08. Because Site Certificate Condition GEN-LU-06 will apply to the Proposed Site Boundary Additions, the Proposed Site Boundary Additions will comply with UCZPSO 5.08.
Section 21.06	General Standards for Governing Conditional Uses	Applicable and complies. UCZPSO 21.06 applies to all conditional uses in Union County. These standards have not changed since the ASC was submitted. UCZPSO 21.06(1) requires that conditional uses meet the development standards relevant to uses permitted outright in the zone, including UCZPSO 5.06 (Minimum Parcel Size), UCZPSO 5.07 (Siting Standards for Dwellings and Structures), and UCZPSO 5.08 (Development and Fire Siting Standards), which would be satisfied based on applicant representations and compliance with GEN-LU-06. Because Site Certificate Condition GEN-LU-06 will apply to the Proposed Site Boundary Additions, the Proposed Site Boundary Additions will comply with UCZPSO 21.06.
Supplementary Provisions		
Section 20.08	Riparian Zone Setbacks	Applicable and complies. The Proposed Site Boundary Additions do not change

Section/Subsection	Name	Effect of Proposed Change
		<p>conditions that would alter the Council's previous determination that the ASC complies Section 20.08. These standards have not changed since the ASC was submitted. The Council imposed GEN-LU-06 to ensure the locations the Project will cross or be near Class I streams complies with the riparian area setback requirements of UCZPSO 20.08. Because Site Certificate Condition GEN-LU-06 will apply to the Proposed Site Boundary Additions, the Proposed Site Boundary Additions will comply with UCZPSO 20.08.</p>
Section 20.09	Significant Goal 5 Resource Areas	<p>Applicable and complies. The proposed site boundary changes cross into Big Game Winter Range Goal 5 resource areas that were previously identified with the original ASC. Union County indicated that its mapping is intended to be over-inclusive of possible habitat areas.¹⁰ The standards of Section 20.09 have not changed since the ASC was submitted. In the original ASC, the Certificate Holder evaluated the economic, social, energy, and environmental criteria to demonstrate compliance with Union County's Goal 5 Resources Comprehensive Plan Element implemented through UCZPSO 20.09 Based on the Certificate Holder's detailed evaluation, the Council found the Project complies with UCZPSO 20.09.¹¹</p> <p>The Proposed Site Boundary Additions would generally be in proximity to the approved site boundary, be constructed of the same materials and components previously described in Exhibit B of the ASC, and would occur in similar habitat types, topography, and land uses to those previously considered. As depicted on Figure 4-2, the Certificate Holder has attempted to use existing roads and to limit the development of new roads in Big Game Winter Range overlay areas. These efforts have resulted in the development of a</p>

¹⁰ Boardman to Hemingway Transmission Line Application for Site Certificate - Final Order, p. 207 (September 2022)

¹¹ Boardman to Hemingway Transmission Line Application for Site Certificate - Final Order, p. 211 (September 2022)

Section/Subsection	Name	Effect of Proposed Change
		proposed access road system to support the construction of the transmission line that substantially relies on the system of publicly maintained roads as well as unimproved roads on public and private lands. Therefore, the previous evaluation remains consistent with the Proposed Site Boundary Additions, and the Council may rely on its previous findings and conditions that the Project complies with the County’s Goal 5 planning goals.

7.1.3.4 Baker County Applicable Substantive Criteria and Comprehensive Plan

Section 5.2.6 details the Proposed Site Boundary Additions in Baker County. Figure 7-9 shows the Proposed Site Boundary Additions overlaid on Baker County Zoning. The Council previously concluded that the Project complied with the applicable substantive criteria of Baker County’s development ordinance.¹² The Baker County Zoning and Subdivision Ordinance (BCZSO; Baker County 2020) has been updated since the Certificate Holder submitted the ASC on September 28, 2018. However, the updates (detailed in Table 7.1-8) are not substantive and criteria evaluated with the ASC remains consistent with existing applicable criteria in the BCZSO, which has been amended to clarify and reorganize standards. The amended standards mirror what was previously evaluated with Exhibit K of the ASC. There have been no identified updates to the Baker County Comprehensive Plan since the ASC was submitted on September 28, 2018.

Table 7.1-8. Baker County Applicable Substantive Criteria

Section/Subsection	Name	Effect of Proposed Change
Baker County Zoning and Subdivision Ordinance (BCZSO)		
Article 3: Uses Zones		
Section 301 Exclusive Farm Use Zone		
Subsection 301.02	Conditional Uses	Not applicable. Portions of the Proposed Site Boundary Additions occur within Baker County’s EFU zone. Section 301 establishes that “major utility facilities as defined in Section 108(B)” and their accessory uses (including roads) are conditional uses within Baker County’s EFU zone, subject to BCZSO 301.05, 301.06 and Article 6 of the ordinance. The BCZO has been amended and Section 301 has been renumbered as Chapter 410, which authorizes “utility facilities necessary for public service” as a Type II administrative decision as analyzed in Section 7.1.3.9.
Section 305 Rural Service Area		
Subsection 305.02	Conditional Uses	Applicable and complies. Portions of the Proposed Site Boundary Additions occur

¹² Boardman to Hemingway Transmission Line Application for Site Certificate - Final Order, p. 216-227 (September 2022)

Section/Subsection	Name	Effect of Proposed Change
		<p>within 0.5 mile of Baker County's Rural Service Area (RSA) zone. These include the following access road additions: BA-322, BA-672, BA-673, and BA-684. The Project and its related and supporting facilities (including access roads) are considered a major utility facility for purposes of BCZSO 150.03 (formerly Section 108(B)). As stated in the ASC, the BCZSO indicates Project features in the RSA Zone are permitted conditional uses. Due to the limited potential impacts resulting during construction and operation of facility components within RSA zoned land, the Council found that the facility would satisfy the standards granting a conditional use. The BCZSO has been amended, but standards addressed in the ASC for conditional uses are not substantially different from the amended BCZSO Conditional Use approval criteria in the newly adopted Chapter 210.04(A)(1-6).</p>
Article 4: Supplementary Provisions		
Section 401	Setbacks and Frontage Road Requirements Flood Plain District	Applicable and complies. The BCZSO has been amended and Section 301 has been renumbered as Chapter 340 Development Standards (Setback Requirements) for All Zones. A comparison of these chapters follows below in Section 7.1.3.8.
Section 412	Historic/Cultural and Natural Area Protection Procedure	Applicable and complies. The BCZSO has been amended and Section 301 has been renumbered as Chapter 710. A comparison of these chapters follows below in Section 7.1.3.8.
Section 410	Flood Plain Provisions	Not applicable. Section 410 Flood Plain Provisions was removed during the update to BCZSO. A new section, Chapter 630 Floodplain Development Zone was adopted for floodplain management. The Proposed Site Boundary Additions are not within the floodplain development zone and is therefore not applicable to RFA 1.
Article 6: Conditional Uses		
Section 602	Standards for Granting a Conditional Use	Applicable and complies. As stated above, utility facilities necessary for public service are permitted in the EFU zone as an administrative permit, therefore the

Section/Subsection	Name	Effect of Proposed Change
		<p>standards for granting a conditional use are not applicable to RFA 1.</p> <p>However, the conditional use standards remain applicable for the portions of the Project within the RSA and Recreation Residential (RR-2) zones in Baker County. The standards addressed in the ASC for conditional uses remain largely the same as the amended BCZSO Conditional Use approval criteria in Chapter 210.04(A)(1-6). The chapter has been renumbered, but the criteria is consistent with the language previously addressed in the previous BCZSO Section 602. A comparison of these chapters follows below in Section 7.1.3.8.</p>
Baker County Comprehensive Plan		
<p>Goal V Open Space, Scenic and Historic Areas and Natural Resources Open Spaces and Scenic Areas Natural Areas Historic and Cultural Sites, Structures, Districts</p>		<p>As described in the ASC, the proposed facility and site boundary would be located within Baker County’s Big Game Overlay zone and could potentially impact several scenic resources protected under the Baker County Comprehensive Plan Goal 5 Resources element. Portions of the Proposed Site Boundary Additions also occur within the Big Game Overlay. In ASC Exhibit K, the applicant evaluated Goal 5 resources to confirm that the proposed facility would not result in significant adverse impacts. The Final Order stated that Baker County’s land use regulations for the EFU zone are compatible with big game habitat and do not include any Goal 5 protection programs applicable to permitted uses in the EFU zone. To minimize potential impacts to riparian vegetation, the Council imposed GEN-LU-07. Based on compliance with GEN-LU-07 and because the facility is permitted in the EFU zone, the Council found the proposed use would be consistent with the county’s Goal 5 planning goals for protecting big game habitat.¹³ A complete assessment of protected areas and scenic resources follows below in Sections 7.1.4 and 7.1.7.</p>

7.1.3.5 Malheur County Applicable Substantive Criteria and Comprehensive Plan

Section 5.2.7 details the Proposed Site Boundary Additions in Malheur County. Figure 7-10 shows the Proposed Site Boundary Additions overlaid on Malheur County Zoning. The Council previously concluded that the Project complied with the applicable substantive criteria of Malheur County’s development ordinance.¹⁴ The Malheur County Code (MCC; Malheur County 2021) has been updated since the Certificate Holder submitted the ASC on September 28, 2018. However, the updates to the MCC did not change the criteria evaluated with the ASC.

¹³ Boardman to Hemingway Transmission Line Application for Site Certificate - Final Order, p. 225 (September 2022)

¹⁴ Boardman to Hemingway Transmission Line Application for Site Certificate - Final Order, p. 229-236 (September 2022)

There have been no identified updates to the Malheur County Comprehensive Plan since the ASC was submitted on September 28, 2018.

Table 7.1-9. Malheur County Applicable Substantive Criteria

Section/Subsection	Name	Effect of Proposed Site Boundary Additions
Malheur County Code (MCC)		
<i>Exclusive Farm use and Exclusive Range Use</i>		
MCC 6-3A-2	Permitted Uses	Applicable and complies. Portions of the Proposed Site Boundary Additions occur within Malheur County’s EFU zone. The Project is a transmission line necessary for public service, which is permitted outright in EFU lands, provided the towers are no greater than 200 feet in height. The proposed site boundary changes do not affect compliance with standards of the EFU Zone. As described in this RFA 1, the Council concluded the transmission line and associated access roads, modified existing roads, multi-use areas, temporary pulling and tensioning sites, and communication stations in the EFU zone are considered under the “utility facility necessary for public service” land use category. The Proposed Site Boundary Additions occur within the County’s EFU zone and the Council’s previous determination that the ASC complies with MCC 6-3A-2 is applicable to RFA 1. GEN-LU-08 requires the Certificate Holder to obtain applicable permits from Malheur County prior to construction (including a zoning permit for components in the EFU zone). Therefore, the Council may rely on its previous findings and conditions, and the Project, as amended by RFA 1, will continue to comply with these standards.
<i>Heavy Industrial Use</i>		
MCC 6-31-4	Performance Standards	Applicable and complies. Proposed Site Boundary Additions associated with access road changes are within the Heavy Industrial Use zone, where “utility facilities” are allowed as a conditional use. As described in this RFA 1, the Council concluded the transmission line and associated access roads are considered under the “utility facility necessary for public service” land use category. GEN-LU-08 requires the Certificate Holder to obtain applicable permits from Malheur County prior to construction (including a zoning permit for

Section/Subsection	Name	Effect of Proposed Site Boundary Additions
		development of facility components in the Heavy Industrial (C-12) zone). Therefore, the Council may rely on its previous findings and conditions, and the Project, as amended by RFA 1, will continue to comply with these standards.
Flood Plain Management Zone		
MCC 6-3K-3	Flood Plain Development Standards	Applicable and complies. Under MCC 6-3K-3, any development within the 100-year flood plain requires compliance with MCC Title 5, Chapter 2, the Federal Insurance Administration requirements, and the standards of the underlying primary zone. The Certificate Holder stated in the original ASC that it does not anticipate that any permanent Project features will be located with the 100-year flood plain in Malheur County. A portion of the Proposed Site Boundary Additions, specifically existing road improvements along the Malheur River, is within a Malheur County SFHA. However, these existing road improvements are not considered “permanent construction.” MCC Chapter 2 Flood Control states “permanent construction does not include land preparation, such as clearing, grading and filling; nor does it include the installation of streets and/or walkways. Further, GEN-LU-08 requires the Certificate Holder to provide applicable permits approved by Malheur County prior to construction (including flood plain development permits for each location where development could occur within a regulatory floodplain). Therefore, the Council may rely on its previous findings and conditions, and the Project, as amended by RFA 1, will continue to comply with these standards.
MCC 5-2-5-1; 5-2-5-2	Flood Hazard Reduction	Applicable and complies. GEN-LU-08 requires the Certificate Holder to provide applicable permits approved by Malheur County prior to construction (including flood plain development permits for each location where development could occur within a regulatory floodplain). Therefore, the Council may rely on its previous findings and conditions, and the Project, as amended by

Section/Subsection	Name	Effect of Proposed Site Boundary Additions
		RFA 1, will continue to comply with these standards.
Malheur County Comprehensive Plan		
Goal 3 Agricultural Lands, Policies 2, 7, 8 and 9		The proposed site boundary changes do not affect consistency with Agricultural Policy 1. GEN-LU-11 requires the Certificate Holder to finalize, prior to construction, an Agricultural Land Assessment and Mitigation Plan, which implements mitigation measures and monitoring during construction. Therefore, the Council's previous determination that the Project would be consistent with MCCP Agricultural Lands Policies 2, 7, 8, and 9 remains applicable to RFA 1.

7.1.3.6 City of North Powder Applicable Substantive Criteria and Comprehensive Plan

The Council previously concluded that the Project complied with the applicable substantive criteria of the City of North Powder's comprehensive plan and development ordinance.¹⁵ None of the Proposed Site Boundary Additions occur within the City of North Powder, and therefore the Council may find that no additional analysis is required to comply with the standards outlined in Table 7.1.3-6.

7.1.3.7 City of Huntington Applicable Substantive Criteria and Comprehensive Plan

The Final Order described how the multi-use area within the City of Huntington would be located within both the Commercial Industrial (CI) Zone and Commercial Residential (CR) Zone, as represented in ASC Exhibit K Figure K-53, City of Huntington Zoning and Proposed Multi Use Area. In ASC Exhibit K Section 6.9.2.1., the Certificate Holder describes that, in a June 2, 2016 email, the City of Huntington indicated that because the multi-use area would be a temporary use, no provisions of the City of Huntington Zoning Ordinance (CHZO) would apply and no City permits would be required.¹⁶ None of the Proposed Site Boundary Additions occur within the City of Huntington, and therefore the Council may find that no additional analysis is required.

7.1.3.8 Updated Applicable Substantive Criteria

Table 7.1-10 shows a comparison between the substantive criteria evaluated in the ASC against the updated version of the current substantive criteria.

¹⁵ Boardman to Hemingway Transmission Line Application for Site Certificate - Final Order, p. 239-241 (September 2022)

¹⁶ Boardman to Hemingway Transmission Line Application for Site Certificate - Final Order, p. 242 (September 2022)

Table 7.1-10. Comparison of Updated Applicable Substantive Criteria and Archived Applicable Substantive Criteria Previously Analyzed with the ASC¹⁷

Archived Applicable Criteria	Updated Applicable Criteria
Umatilla County Comprehensive Plan Transportation Element Finding 20 and Policy 20	Umatilla County Comprehensive Plan Transportation Element Finding 18 and Policy 18
<p>Finding 20. Major transmission lines (natural gas and electricity) traverse the county with additional expansion proposed, and additional new lines or pipelines could be proposed through the county.</p> <p>Policy 20. The county will review right-of-way acquisitions and proposals for transmission lines and pipelines so as to minimize adverse impacts to the community.</p>	<p>Finding 18. Major transmission lines (fuel, power and communication) traverse the County. Additional expansion proposed, and additional new lines or pipelines could be proposed through the County.</p> <p>Policy 18. The County will review right-of-way acquisitions and proposals for transmission lines and pipelines so as to minimize adverse impacts on the community.</p>
<p>Response: The amended text changes the definition of “major transmission lines” as applying to “natural gas and electricity” lines to “fuel, power, and communication” lines. Finding 18 still applies to the Project, including the Proposed Site Boundary Additions, because it transmits electrical “power.” Beyond the definition change, Umatilla County’s Transportation Element findings and policies have not changed in ways that would impact the Council’s prior findings under the land use standard.</p>	
Union County (UCZPSO) 3.07 Development Standards	Union County (UPZPSO) 3.17 Development Standards
<p>Any proposed division of land included within the A-2 Zone resulting in the creation of one or more parcels of land shall be reviewed and approved or disapproved by the County (ORS 215.263).</p> <p>Setbacks from property lines or road rights-of-way shall be a minimum of 20-foot front and rear yards and 10-foot side yards.</p> <p>Animal shelters shall not be located closer than 100 feet to an R-1 or R-2 Zone.</p> <p>Signs shall be limited to the following:</p> <p>a. All off-premise signs within view of any State Highway shall be regulated by State regulation under ORS Chapter 377 and receive building permit approval.</p> <p>b. All on-premise signs shall meet the Oregon Administrative Rule regulations for on-premise signs which have the following standards:</p> <p>A. Maximum total sign area for one business is 8% of building area plus utilized parking area, or 2,000 square feet, whichever is less.</p>	<ul style="list-style-type: none"> • Any proposed division of land included within the A-2 Zone resulting in the creation of one or more parcels of land shall be reviewed and approved or disapproved by the County (ORS 215.263). • Setbacks from property lines or road rights-of-way shall be a minimum of 20-foot front and rear yards and 10-foot side yards. • Animal shelters shall not be located closer than 100 feet to an R-1 or R-2 Zone. • Signs shall be limited to the following: <ul style="list-style-type: none"> A. All off-premise signs within view of any State Highway shall be regulated by State regulation under ORS Chapter 377 and receive building permit approval. B. All on premise signs shall meet the Oregon Administrative Rule regulations for on premise signs which have the following standards:

¹⁷ Table 7.1-10, Comparison of Updated Applicable Substantive Criteria and Archived Applicable Substantive Criteria Previously Analyzed with the ASC, compares applicable substantive criteria from the pASC submitted in 2013.

Archived Applicable Criteria	Updated Applicable Criteria
<p>B. Display area maximum is 825 square feet for each face of any one sign, or half the total allowable sign area, whichever is less.</p> <p>C. Businesses which have no buildings located on the premises or have buildings and parking area allowing a sign area of less than 250 square feet may erect and maintain on-premises signs with the total allowable area of 250 square feet, 125 square feet maximum for any one face of a sign.</p> <p>D. Maximum height of freestanding signs adjacent to interstate highways is 65 feet, for all other highways is 35 feet, measured from the highway surface or the premises grade, whichever is higher to the top of the sign.</p> <p>E. All on-premise signs within view or 660 feet of any State Highway shall obtain permit approval from the Permit Unit, Oregon State Highway Division. No sign shall be moving, revolving or flashing, and all lighting shall be directed away from residential use or zones, and shall not be located so as to detract from a motorists vision except for emergency purposes.</p>	<p>(1) Maximum total sign area for one business is 8% of building area plus utilized parking area, or 2,000 square feet, whichever is less.</p> <p>(2) Display area maximum is 825 square feet for each face of any one sign, or half the total allowable sign area, whichever is less.</p> <p>(3) Businesses which have no buildings located on the premises or have buildings and parking area allowing a sign area of less than 250 square feet may erect and maintain on-premises signs with the total allowable area of 250 square feet, 125 square feet maximum for any one face of a sign.</p> <p>(4) Maximum height of freestanding signs adjacent to interstate highways is 65 feet, for all other highways is 35 feet, measured from the highway surface or the premises grade, whichever is higher to the top of the sign.</p> <p>C. All on premise signs within view or 660 feet of any State Highway shall obtain permit approval from the Permit Unit, Oregon State Highway Division. No sign shall be moving, revolving or flashing, and all lighting shall be directed away from residential use or zones, and shall not be located so as to detract from a motorist vision except for emergency purposes.</p>
<p>Response: The side-by-side comparison of these applicable criteria in the UCZPSO demonstrate that the only changes are in the numbering and lettering of the standard. The text is identical and therefore the intent remains the same. The Council may find that there are no substantive changes to the applicable criteria previously addressed with the ASC.</p>	
Baker County (BCZSO) Section 602 Standards for Granting a Conditional Use	Baker County (BCZSO) Chapter 210 Conditional Uses Approval Criteria
<p>A. <i>The proposal will be consistent with the Comprehensive Plan and objectives of this Zoning and Subdivision Ordinance and other applicable policies of the County.</i></p> <p>B. <i>Taking into account location, size, design and operating characteristics, the proposal will have a minimal adverse impact on the (1) livability, (2) value, and (3) appropriate development of abutting properties and the surrounding area compared to the impact of development that is permitted outright.</i></p> <p>C. <i>The location and design of the site and structures for the proposal will be as attractive as the nature of the use and its setting warrant.</i></p>	<p>1. <i>The proposal will be consistent with the Comprehensive Plan and objectives of this Ordinance and other applicable policies of the County.</i></p> <p>2. <i>Taking into account location, size, design and operating characteristics, the proposal will have a minimal adverse impact on the (1) livability, (2) value, and (3) appropriate development of abutting properties and the surrounding area compared to the impact of development that is permitted outright.</i></p> <p>3. <i>All required public facilities have adequate capacity to serve the proposal.</i></p> <p>4. <i>The proposal will not result in emissions that damage the air or water quality of the</i></p>

Archived Applicable Criteria	Updated Applicable Criteria
<p><i>D. The proposal will preserve assets of particular interest to the community.</i></p>	<p><i>area. Documentation is required to demonstrate that required state and federal discharge permits have been obtained.</i></p> <p><i>5. The location and design of the site and structures for the proposal will be as attractive as the nature of the use and its setting warrant.</i></p> <p><i>6. The proposal will preserve assets of particular interest to the community.</i></p>
<p>Response: The side-by-side comparison of these applicable criteria in the BCZSO demonstrate that the only changes are to include the new provision that “3. All required public facilities have adequate capacity to serve the proposal” and “4. The proposal will not result in emissions that damage the air or water quality of the area. Documentation is required to demonstrate that required state and federal discharge permits have been obtained.” Site Certificate Condition GEN-LU-07 requires the Certificate Holder to obtain applicable permits required by Baker County ordinances. If after commencement of construction the Certificate Holder determines additional County-approved permits are required, the Certificate Holder will provide to the department a copy of those additional permits. In addition, Site Certificate Condition PRE-PS-02 was imposed to address public services criteria. PRE-PS-02 requires the Certificate Holder to submit a Transportation and Traffic Plan for review and approval by the Department in consultation with the affected county. The condition also requires that, through county-issued road-related permits, the Certificate Holder execute a formally binding agreement with the county for use of and potential impacts to roads during construction activities. With respect to new provision 4, the Proposed Site Boundary Additions will not result in any air or water quality impacts that the Council did not previously consider and analyze in the Final Order, Therefore, the Council may find the Project complies with the current standard.</p>	
<p>BCZSO Section 401 Setbacks and Frontage Road Requirements Flood Plain District</p>	<p>BCZSO Chapter 340 Development Standards (Setback Requirements)</p>
<p>A. APPLICATION</p> <p>These requirements shall apply to all structures except for adjustments permitted in Section 402. See also Section 407(B).</p> <p>B. STANDARDS</p> <p>1) The minimum land width at the front building lines shall be 220 feet.</p> <p>2) No part of a structure shall be constructed or maintained closer than 60 feet to the center line of a road or street, or 30 feet from any right-of-way in excess of 60 feet.</p> <p>3) No part of a building or other structure, except for a sign, shall be constructed or maintained closer than 10 feet to any property line.</p> <p>4) No part of a building or other structure requiring a building permit or farm use affidavit or a road to access such</p>	<p>A. Applicability.</p> <p>These requirements shall apply to all structures except for adjustments permitted in Section 340.03 and Livestock Concentration Limitations in Section 510.05.</p> <p>B. Standards.</p> <p>1. Minimum road frontage shall be 220 feet per parcel, unless the subject property is:</p> <p>a. Currently accessed or proposed to be accessed from a dead-end road, in which case 60 feet of road frontage shall be required; or</p> <p>b. Accessed by an easement granted before 2005, in which the width of the existing easement shall suffice; or</p> <p>c. A parcel or lot on the radius of a road or facing the circular end of a cul-de-sac, in which case no less than 30 feet of road</p>

Archived Applicable Criteria	Updated Applicable Criteria
<p>development, shall be constructed within 50 feet of a naturally occurring riparian area, bog, marsh or waterway.</p>	<p>frontage shall be required upon said road, measured on the arc of the right-of-way. Such frontage shall be subject to the standards set forth in Chapter 340.</p> <p>2. No part of a structure shall be constructed or maintained closer than 60 feet to the centerline of a road or street, or 30 feet from any right-of-way in excess of 60 feet.</p> <p>3. No part of a building or other structure, except for a sign, shall be constructed or maintained closer than 10 feet to any property line.</p> <p>4. If any part of a structure and/or development is proposed within a jurisdictional wetland, as described in Section 660.03, notification shall be provided by the Baker County Planning Department to the Department of State Lands, as required by ORS 196.795-990. The applicant/property owner shall be responsible for obtaining all necessary permits for the proposed structure and/or development from the Department of State Lands.</p>
<p>Response: The amended text in BCZSO Chapter 340 is generally the same as previously written in the archived version of BCZSO analyzed with the ASC. The updates add clarity, but do not change the intent of the setback restrictions, which remain the same for the Project. BCZSO Chapter 150 defines “building” as “a structure built for the support, shelter or enclosure of persons, animals, goods, chattel, or property of any kind.”</p> <ul style="list-style-type: none"> • Access roads: The Project access roads will not be built to support, shelter, or enclose anything. Therefore, the access roads are not considered buildings, and the yard setback requirements of BCZSO 401(B)(1) do not apply to the relevant access roads. • Transmission Line Towers: The Project transmission towers will not be built to support, shelter, or enclose anything. Therefore, the transmission towers are not considered buildings, and the yard setback requirements of BCZSO 340 (B)(1) do not apply to the relevant towers. • Light-Duty Fly Yards: There will be no light-duty fly yards in the proposed Baker County alternatives. Therefore, the yard setback requirements of BCZSO 340(B)(1) do not apply to the relevant towers. • Multi-Use Areas: There will be no multi-use areas in the proposed Baker County alternatives. Therefore, the yard setback requirements of BCZSO 340(B)(1) are not applicable. • Communication Stations: There will be no communication stations in the proposed Baker County alternatives. Therefore, the yard setback requirements of BCZSO 340(B)(1) are not applicable. <p>GEN-LU-07 requires the Certificate Holder to provide applicable permits approved by Baker County prior to construction. In addition, CON-LU-01 ensures the Certificate Holder complies with applicable setback distances and other requirements in Baker County. Therefore, the</p>	

Archived Applicable Criteria	Updated Applicable Criteria
Council may rely on its previous findings and conditions, and the Proposed Site Boundary Additions will continue to comply with these standards.	
BCZSO Section 412 Historic/Cultural and Natural Area Protection Procedure	BCZSO Chapter 710 Historic, Cultural, and Natural Resources Protection
<p>This Section shall not apply to sites designated as 3A or 3B sites, pursuant to OAR 660-16-010 (1) and (2), respectively. Major alteration or destruction of a Natural Area designated as 2A or 3C shall first require an ESEE analysis, justification, and Plan Amendment.</p> <p>A permit shall be required to destroy or make major alteration to a historic/cultural/natural site or structure inventoried as significant in the County Comprehensive Plan. Upon receipt of an application for said permit, the Planning Department shall institute a 30-day hold. During that time various actions will be initiated by the County depending upon the nature of the threatened resource. All of the inventoried natural sites, historic sites and the cultural sites identified with one, two or three stars will be subject to a public hearing. Notice of the proposed change and public hearing will be provided to the general public, the State Historic Preservation Office, the State Natural Heritage Advisory Council, the State Department of Fish and Wildlife and/or affected local historical, cultural, or governmental entities. The opportunity to educate, persuade, pay for, and/or require the preservation of a significant resource will be provided by the County. At the hearing before the Planning Commission a review will be conducted to determine:</p> <p>A. If the change will destroy the integrity of the resource.</p> <p>B. If the proposal can be modified to eliminate its destructive aspects.</p> <p>C. If any agency or individual is willing to compensate the resource owner for the protection of the resource.</p> <p>D. If the resource can be moved to another location.</p> <p>If, after this review, it is determined by the County that the integrity of a significant historic/cultural structure or townsite or a Natural Area resource is threatened, the</p>	<p>710.02 Applicability. This Section shall not apply to sites designated as 3A or 3B sites, pursuant to OAR 660-016-0010(1) and OAR 660-016-0010(2), respectively. Major alteration or destruction of a Natural Area designated as 2A or 3C shall first require an ESEE (economic, social, environmental and energy) analysis, justification, and subsequent Plan Amendment application.</p> <p>710.03 Permits Required</p> <p>A. A permit shall be required to destroy or make major alteration to a historic/cultural/natural site or structure inventoried as significant in the County Comprehensive Plan. Upon receipt of an application for said permit, the Planning Department shall institute a 30-day hold. During that time various actions will be initiated by the County depending upon the nature of the threatened resource. All of the inventoried natural sites, historic sites and the cultural sites identified with one, two or three stars will be subject to a public hearing. Notice of the proposed change and public hearing will be provided to the general public, the State Historic Preservation Office, the State Natural Heritage Advisory Council, the State Department of Fish and Wildlife and/or affected local historical, cultural, or governmental entities. The opportunity to educate, persuade, pay for, and/or require the preservation of a significant resource will be provided by the County. At the hearing before the Planning Commission a review will be conducted to determine:</p> <p>1. If the change will destroy the integrity of the resource.</p> <p>2. If the proposal can be modified to eliminate its destructive aspects.</p> <p>3. If any agency or individual is willing to compensate the resource owner for the protection of the resource.</p> <p>4. If the resource can be moved to another location.</p>

Archived Applicable Criteria	Updated Applicable Criteria
<p>following criteria will be applied to decide whether to allow, allow with conditions, or disallow the proposed change.</p> <p>FOR SIGNIFICANT HISTORIC/CULTURAL STRUCTURES AND TOWNSITES</p> <p>A. The historic/cultural structure or townsite constitutes a hazard to the safety of the public occupants and cannot reasonably be repaired; or</p> <p>B. The retention of the historic/cultural structure or townsite would cause financial hardship to the owner which is not offset by public interest in the structure's/townsite's preservation; or</p> <p>C. The improvement project is of substantial benefit to the County and cannot be reasonably located elsewhere, and overrides the public's interest in the preservation of the historic/cultural structure or townsite; or</p> <p>D. Major exterior alteration shall, to the extent possible, be consistent with the historic/cultural character of the structure.</p> <p>FOR SIGNIFICANT NATURAL AREAS</p> <p>A. The existence of a site report: The site's relative significance is indicated by the existence of a site report indicating a field survey with one or more elements verified.</p> <p>B. Number of elements: The site is elevated to a higher priority if it contains a diversity of natural elements.</p> <p>C. Past use of land: The degree to which man's activities have already impacted an area is a significant factor in determining the value of protecting the resource.</p> <p>D. Abundance and quality of the same resource elsewhere on the County's inventory: In reviewing such comparative information the County will be able to make its decision knowing the relative significance of the resource in question.</p> <p>E. Financial impact: A determination that the retention of the natural area would cause financial hardship to the owner not offset by public interest in the site's preservation would be a determining factor in the County's decision.</p>	<p>B. If, after this review, it is determined by the County that the integrity of a significant historic/cultural structure or townsite or a natural area resource is threatened, the following criteria will be applied to decide whether to allow, allow with conditions, or disallow the proposed change:</p> <p>1. For significant historic/cultural structures and townsites.</p> <p>a. The historic/cultural structure or townsite constitutes a hazard to the safety of the public occupants and cannot reasonably be repaired; or</p> <p>b. The retention of the historic/cultural structure or townsite would cause financial hardship to the owner which is not offset by public interest in the structure's/townsite's preservation; or</p> <p>c. The improvement project is of substantial benefit to the County and cannot be reasonably located elsewhere, and overrides the public's interest in the preservation of the historic/cultural structure or townsite; or</p> <p>d. Major exterior alteration shall, to the extent possible, be consistent with the historic/cultural character of the structure.</p> <p>2. For significant natural areas.</p> <p>a. The Existence of a Site Report. The site's relative significance is indicated by the existence of a site report indicating a field survey with one or more elements verified.</p> <p>b. Number of Elements. The site is elevated to a higher priority if it contains a diversity of natural elements.</p> <p>c. Past Use of Land. The degree to which human activities have already impacted an area is a significant factor in determining the value of protecting the resource.</p> <p>d. Abundance and Quality of the Same Resource Elsewhere on the County's Inventory. In reviewing such comparative information, the County will be able to make its decision knowing the relative significance of the resource in question.</p> <p>e. Financial Impact. A determination that the retention of the natural area would cause financial hardship to the owner not offset by</p>

Archived Applicable Criteria	Updated Applicable Criteria
<p>F. Public benefit from the proposed change: A finding that the change is of substantial benefit to the County and cannot be accommodated feasibly elsewhere on the applicant's property would be a significant factor in the County's decision.</p> <p>FOR RESOURCES ON FEDERALLY MANAGED LANDS</p> <p>The findings and conclusions of Baker County relative to a proposed alteration or demolition of a significant cultural/historic/natural site/structure shall be forwarded to the appropriate federal agency as a recommendation.</p> <p>FOR RESOURCES NOT INVENTORIED OR DESIGNATED AS 1B</p> <p>For resources of unknown significance or resources not on the inventory, a local review will be conducted by BLM and USFS personnel with the consent of their supervisors, Oregon Department of Fish and Wildlife, State and/or college historians and local museum and historical society members to evaluate the resource's comparative worth and make a recommendation as to whether a full public hearing is warranted.</p>	<p>public interest in the site's preservation would be a determining factor in the County's decision.</p> <p>f. Public Benefit from the Proposed Change. A finding that the change is of substantial benefit to the County and cannot be accommodated feasibly elsewhere on the applicant's property would be a significant factor in the County's decision.</p> <p>3. For Resources on Federally Managed Lands. The findings and conclusions of Baker County relative to a proposed alteration or demolition of a significant cultural/historic/natural site/structure shall be forwarded to the appropriate federal agency as a recommendation.</p> <p>4. For Resources Not Inventoried or Designated as 1B. For resources of unknown significance or resources not on the inventory, a local review will be conducted by BLM and USFS personnel, Oregon Department of Fish and Wildlife, State and/or college historians, and local museum and historical society members to evaluate the resource's comparative worth and make a recommendation as to whether a full public hearing is warranted.</p>
<p>Response: The amended text in BCZSO Chapter 710 is generally the same as previously written in the archived version of BCZSO analyzed with the ASC. The updates are renumbered and add clarity, but do not change the intent of the Historic, Cultural, and Natural Resources Protection standards, which remain the same for the Project. The Council previously found there are no resources of unknown significance, or resources not on the inventory which are located within the analysis area of the proposed transmission line. As detailed in this RFA 1 under Section 7.1.8, new surveys have occurred to determine the proposed amendment makes no changes that will alter the basis for the Council's earlier findings, or its conclusion that the Project will not likely result in an adverse impact to any historical, cultural and archaeological resources in the analysis area, and therefore the amendment request meets the requirement of the Historical, Cultural and Archaeological Resources Standard.</p>	

7.1.3.9 New Applicable Substantive Criteria

The following section addresses new applicable substantive criteria that have been added to county land use plans since the ASC was prepared.

Union County

3.04 Conditional Uses with General Review Criteria

In the A-2 Zone, the following uses and their accessory buildings and uses are permitted subject to county review under Article 24.03 Quasi-Judicial land use decision and the specific standards for the use set forth in Section 3.05, as well as the general standards for the zone and the applicable standards in Article 21.00 (Conditional Uses).

11. *Utility facilities necessary for public service, including associated transmission lines as defined in Section 1.08 and wetland waste treatment systems, but not including commercial facilities for the purpose of generating electrical power for public use by sale or transmission towers over 200 feet in height as provided in Subsection 3.05.15*

...

3.05 Use Standards

15. *A utility facility that is necessary for public service*
 - A. *A utility facility is necessary for public service if the facility must be sited in the exclusive farm use zone in order to provide the service. To demonstrate that a utility facility is necessary, an applicant must show that reasonable alternatives have been considered and that the facility must be sited in an exclusive farm use zone due to one or more of the following factors:*
 - (1) *Technical and engineering feasibility;*
 - (2) *The proposed facility is locationally-dependent. A utility facility is locationally-dependent if it must cross land in one or more areas zoned for exclusive farm use in order to achieve a reasonably direct route or to meet unique geographical needs that cannot be satisfied on other lands;*
 - (3) *Lack of available urban and non-resource lands;*
 - (4) *Availability of existing rights of way;*
 - (5) *Public health and safety; and*
 - (6) *Other requirements of state and federal agencies.*
 - B. *Costs associated with any of the factors listed in subparagraph A. of this paragraph may be considered, but cost alone may not be the only consideration in determining that a utility facility is necessary for public service. Land costs shall not be included when considering alternative locations for substantially similar utility facilities and the siting of utility facilities that are not substantially similar.*
 - C. *The owner of a utility facility approved under paragraph A shall be responsible for restoring, as nearly as possible, to its former condition any agricultural land and associated improvements that are damaged or otherwise disturbed by the siting, maintenance, repair or reconstruction of the facility. Nothing in this paragraph shall prevent the owner of the utility facility from requiring a bond or other security from a contractor or otherwise imposing on a contractor the responsibility for restoration.*
 - D. *The county shall impose clear and objective conditions on an application for utility facility siting to mitigate and minimize the impacts of the proposed facility, if any, on surrounding lands devoted to farm use in order to prevent a significant change in accepted farm practices or a significant increase in the cost of farm practices on surrounding farmlands.*

- E. *Utility facilities necessary for public service may include on-site and off-site facilities for temporary workforce housing for workers constructing a utility facility. Such facilities must be removed or converted to an allowed use under the A-1 Zone or other statute or rule when project construction is complete. Off-site facilities allowed under this paragraph are subject to Section 2.06 Conditional Use Review Criteria. Temporary workforce housing facilities not included in the initial approval may be considered through a minor amendment request. A minor amendment request shall have no effect on the original approval.*

Response: As described in the ASC Exhibit K, proposed facility components within Union County's A-2 zone would include up to 6.1 miles of 500-kV transmission line and ancillary facilities, which based on 2001 and 2005 court decisions (see *Cox v. Polk County* and *Save our Rural Or. V. Energy Facility Siting Council*, respectively) the Certificate Holder maintains should be considered under the "utility facility necessary for public service." The Council previously found the Project is a utility facility necessary for public service that would be a permitted use in the A-2 zone. The Proposed Site Boundary Additions occur within the A-2 zone, which under the current standards are subject to county review under Section 3.05, as well as the applicable standards of Article 21.00 (Conditional Uses).

The standards of Section 3.05(15) mirror the standards of ORS 215.275, which the Certificate Holder went beyond what is required to demonstrate compliance with and included a county-specific alternatives analysis previously evaluated with the ASC. The proposed Union County site boundary changes, which are limited to access road design updates along the Previously Approved Site Boundary, will be constructed of the same materials and components previously described in Exhibit B of the ASC, and would occur in similar habitat types, topography, and land uses to those previously considered. As such, the Council's previous determination that the ASC complies with ORS 215.275 is applicable to RFA 1. GEN-LU-05 condition requires submission of Union County permits in accordance with UCZPSO. Therefore, the Council may rely on its previous findings and conditions, and the Proposed Site Boundary Additions will comply with these standards.

5.04 Conditional Uses with General Review Criteria

In the A-4 Zone predominantly farmland lots and parcels shall comply with Section 5.06 Administrative Uses and predominantly forest land parcels may authorize the following uses and activities and their accessory buildings and uses subject to county review and the specific standards set forth in Article 21.00, as well as the general provision set forth by this ordinance.

21. *New electric transmission lines with right of way widths of up to 100 feet as specified in ORS 772.210. New distribution lines (e.g., gas, oil, geothermal, telephone, fiber optic cable) with rights-of-way of 50 feet or less in width.*

...

5.06 Conditional Use Review Criteria

A use authorized by Section 5.04 of this zone may be allowed provided the following requirements or their equivalent are met. These requirements are designed to make the use compatible with forest operations and agriculture and to conserve values found on forest lands.

- *The proposed use will not force a significant change in, or significantly increase the cost of, accepted farming or forest practices on agriculture or forest lands.*
- *The proposed use will not significantly increase fire hazard or significantly increase fire suppression costs or significantly increase risks to fire suppression personnel.*

- A written statement recorded with the deed or written contract with the county or its equivalent is obtained from the land owner that recognizes the rights of adjacent and nearby land owners to conduct forest operations consistent with the Forest Practices Act and Rules for uses authorized in OAR 6660-006-0025 Subsection 5(c)

Response: Article 5.04(21) states that new electric transmission lines with right-of-way widths up to 100 feet are conditional uses with general review criteria. This definition applies to the Project. As described in RFA 1, the Proposed Site Boundary Additions within Union County's A-4 zone would include access road design updates along the Previously Approved Site Boundary in open rangeland (Figure 4-2, Maps 28 to 41). A summary of proposed road changes are outlined in Table 5.2-9. As such, the Proposed Site Boundary Additions are subject to county review under Section 5.06, as well as the applicable standards of Article 21.00 (Conditional Uses). The Conditional Use Review Criteria of Section 5.06 mirror OAR 660-006-0025(4)(q), which was evaluated in under OAR 660-006-0025(5) Uses Authorized In Forest Zones.

As stated in the ASC, while OAR 660-006-0025(4)(q) expressly refers only to transmission lines with up to a 100-foot right-of-way, the Oregon Supreme Court has concluded that the use category defined in OAR 660-006-0025(4)(q) also includes new electric transmission lines with right-of-ways greater than 100 feet because of that provision's specific reference to ORS 772.210 (regarding condemnation) (see *Save Our Rural Oregon v. EFSC*, 339 Or. 353, 375-76 (2005) [concerning the EFSC application of the COB Energy Facility LLC, and hereinafter referred to as COB]). ORS 772.210 relates to "Rights of Ways for Public Uses" and public utility condemnation authority. The Council imposed GEN-LU-12 to allow transmission line right-of-way in Goal 4 forest lands to no wider than 300 feet and found the proposed facility would not result in significant adverse impact to accepted forest practices nor result in a significant increase in the cost of accepted forest practices within the surrounding area.

To evaluate the significance of the removal of land from timber harvest potential, the Certificate Holder assessed the quantity of forest land lost compared to total forest land available (791,000 acres of Union County forested acres), resulting in approximately 530 acres lost (0.07 percent) in Union County.¹⁸ The Council found the proposed facility would not result in significant adverse impacts to accepted forest practices nor result in a significant increase in the cost of accepted forest practices within the surrounding area.¹⁹ Table 5.2-6 quantifies the acres of land disturbed during construction and operation in Union County, where 2.9 acres of land would be permanently converted to operations as a result of the Proposed Site Boundary Additions in Union County. This impact is a de minimus percentage of the total forest land available in Union County and the inability to use the land for forest purposes over the life of the facility is not significant. Therefore, the Council may rely on its previous findings and conditions, and the Proposed Site Boundary Additions will comply with these standards.

Baker County

410.03 Uses Permitted Through a Type II Procedure.

In the EFU Zone, the following uses and their accessory uses may be permitted when authorized in accordance with the provisions of Section 115.06.

E. Utility Facilities

¹⁸ Boardman to Hemingway Transmission Line Application for Site Certificate - Final Order, p. 266 (September 2022)

¹⁹ Boardman to Hemingway Transmission Line Application for Site Certificate - Final Order, p. 270 (September 2022)

2. *Utility facilities necessary for public service, including associated transmission lines as defined in ORS 469.300 and wetland waste treatment systems, but not including commercial facilities for the purpose of generating electrical power for public use by sale or transmission towers over 200 feet high. To demonstrate that a utility facility is necessary, as described in ORS 215.283(1)(c), an applicant must:]*
 - a. *Show that reasonable alternatives have been considered and that the facility must be sited in an Exclusive Farm Use Zone due to one or more of the following factors:*
 - i. *Technical and engineering feasibility;*
 - ii. *The proposed facility is locationally-dependent. A utility facility is locationally-dependent if it must cross land in one or more areas zoned for exclusive farm use in order to achieve a reasonably direct route or to meet unique geographical needs that cannot be satisfied on other lands;*
 - iii. *Lack of available urban and non-resource lands;*
 - iv. *Availability of existing rights-of-way;*
 - v. *Public health and safety;*
 - vi. *Other requirements of state and federal agencies*
 - b. *Costs associated with any of the factors listed in Section 410.03(D)(1)(a) may be considered; however, cost alone may not be the only consideration in determining that a utility facility is necessary for public service. Land costs shall not be included when considering alternative locations for substantially similar utility facilities. The Land Conservation and Development Commission shall determine by rule how land costs may be considered when evaluating the siting of utility facilities that are not substantially similar.*
 - c. *The owner of a utility facility approved under this Section shall be responsible for restoring, as nearly as possible, to its former condition any agricultural land and associated improvements that are damaged or otherwise disturbed by the siting, maintenance, repair or reconstruction of the facility. Nothing in this Section shall prevent the owner of the utility facility from requiring a bond or other security from a contractor or otherwise imposing on a contractor the responsibility for restoration.*
 - d. *The governing body of the county or its designee shall impose clear and objective conditions to mitigate and minimize the impacts of the proposed facility, if any, on surrounding lands devoted to farm use in order to prevent a significant change in accepted farm practices or a significant increase in the cost of farm practices on the surrounding farmlands.*
 - e. *The provisions of subsections (2) to (5) of this Section do not apply to interstate natural gas pipelines and associated facilities authorized by and subject to regulation by the Federal Energy Regulatory Commission.*

...

410.05 Standards for Certain Uses in the EFU Zone

- B. *As specified above, certain uses in the EFU Zone shall demonstrate that the following criteria area met:*

1. *The use will not force a significant change in accepted farming practices on surrounding lands devoted to farm or forest use; and*
2. *The use will not significantly increase the cost of accepted farm or forest practices on surrounding lands devoted to farm or forest use.*

Response: The Certificate Holder established in the ASC and throughout this RFA 1 that the Project classifies as a facility necessary for public service. The criteria for conditional uses previously evaluated in the ASC establish a higher level of review (Type III) than what is required for administrative uses (Type II). In Baker County, a Type II administrative permit application for utility facilities necessary for public service must demonstrate compliance with BCZSO 410.03(E)(2), which mirror the standards of ORS 215.275 evaluated in the ASC. The ASC also addressed OAR 660-006-0025(5)(a)-(b), which mirror BCZSO Chapter 410.05(B)(1)-(2), to demonstrate the Project will not force a significant change in, or significantly increase the cost of, accepted farming practices in the areas surrounding the Project in forest lands. The Council previously determined that the Project satisfied the requirements of ORS 215.275²⁰ and OAR 660-006-0025.²¹ The Proposed Site Boundary Additions would generally be in proximity to the Previously Approved Site Boundary, be constructed of the same materials and components previously described in Exhibit B of the ASC, and would occur in similar habitat types, topography, and land uses to those previously considered. The proposed site boundary changes do not change conditions that would alter the Council's previous determination that the ASC complies Section ORS 215.275 or OAR 660-006-0025, and therefore, the Council may conclude that RFA 1 complies with the applicable standards of BCZSO Chapter 410 Exclusive Farm Use Zone.

Chapter 510 Residential Zones

510.03 Recreation Residential Zone (RR-2).

C. *Uses Permitted Through a Type III Procedure. In the RR-2 Zone, the following uses may be permitted when authorized in accordance with the provisions of Section 115.07. These uses shall also require a Conditional Use Permit as described in Chapter 210.*

2. Uses

a. Major utility facilities as defined in Chapter 150.

Response: The definition of major utility facility in Chapter 150 includes power transmission lines, which indicates an electrical transmission line project would be considered a conditional use in the RR-2 zone. Facility components within 0.5-mile of the RR-2 zone include an accessory use to the proposed utility facility, including new access roads. The Council previously found the Project satisfied the BCZSO conditional use approval standards.²² The BCZSO has been amended, but standards addressed in the ASC for conditional uses are not substantially different from the amended BCZSO Conditional Use approval criteria in the newly adopted Chapter 210.04(A)(1-6). Existing Site Certificate Conditions ensure compliance with the standard. The Council imposed Site Certificate Condition PRE-PS-02, which requires the Certificate Holder to submit a Transportation and Traffic Plan for review and approval by the

²⁰ Boardman to Hemingway Transmission Line Application for Site Certificate - Final Order, p. 244-259 (September 2022)

²¹ Boardman to Hemingway Transmission Line Application for Site Certificate - Final Order, p. 261-272 (September 2022)

²² Boardman to Hemingway Transmission Line Application for Site Certificate - Final Order, p. 218 (September 2022)

Department in consultation with the affected county. The condition also requires that, through county-issued road-related permits, the Certificate Holder execute a formally binding agreement with the county for use of and potential impacts to roads during construction activities. In addition, Site Certificate Condition GEN-LU-07 requires the Certificate Holder to obtain applicable permits required by Baker County ordinances. If after commencement of construction the Certificate Holder determines additional County-approved permits are required, the Certificate Holder will provide to the department a copy of those additional permits. Moreover, the substantially modified roads would provide road improvements that would support livability, value, and access within the area. The Certificate Holder has not identified any “assets of particular interest to the community” that would be impacted by the location of the proposed roads. Due to the limited potential impacts resulting during construction and operation of facility components within 0.5 mile of RR-2 zoned land, RFA 1 satisfies BCZSO Chapter 210.04.(A)(1-6) approval standards.

7.1.3.10 *Directly Applicable Statutes and Administrative Rules*

7.1.3.10.1 ORS 215.283 and ORS 215.275

The Council previously determined that the Project satisfied the requirements of ORS 215.283 and ORS 215.275.²³ The provisions of ORS 215.283 and ORS 215.275 have not changed since the original ASC was submitted on September 28, 2018. The Certificate Holder demonstrated the Project is permitted outright in Goal 3 EFU lands because it is a utility facility necessary for public service under ORS 215.283(1)(c)(A) and ORS 215.275. In compliance with ORS 215.275, IPC will both minimize impacts to accepted farming practices, and mitigate temporary and permanent impacts where necessary, in accordance with the measures outlined in the Agricultural Lands Assessment provided in the original ASC (Attachment K-1 of the Final Order on the ASC). The Proposed Site Boundary Additions would generally be in proximity to the approved site boundary, be constructed of the same materials and components previously described in Exhibit B of the ASC, and would occur in similar habitat types, topography, and land uses to those previously considered. GEN-LU-11 requires the Certificate Holder to finalize, prior to construction, an Agricultural Land Assessment and Mitigation Plan, which implements mitigation measures and monitoring during construction. Therefore, the previous evaluation remains consistent with the Proposed Site Boundary Additions, and the Council may rely on its previous findings and conditions that the Project complies with ORS 215.283 and ORS 215.275.

7.1.3.10.2 ORS 215.276

The Council previously determined that the Project satisfied the requirements of ORS 215.283 and ORS 215.276 based upon inclusion of the notification requirements with the Agricultural Assessment and Mitigation Plan (Attachment K-1 of the Final Order on the ASC, imposed in Site Certificate Condition GEN-LU-11), the Project satisfies the requirements of ORS 215.276.²⁴ The provisions of ORS 215.276 have not changed since the original ASC was submitted on September 28, 2018, and the Certificate Holder does not propose any changes to Land Use GEN-LU-11. The Proposed Site Boundary Additions would generally be in proximity to the approved site boundary, be constructed of the same materials and components previously described in Exhibit B of the ASC, and would occur in similar habitat types, topography, and land uses to those previously considered. Therefore, the previous evaluation remains consistent

²³ Boardman to Hemingway Transmission Line Application for Site Certificate - Final Order, p. 244-259 (September 2022)

²⁴ Boardman to Hemingway Transmission Line Application for Site Certificate - Final Order, p. 260-261 (September 2022)

with the Proposed Site Boundary Additions, and the Council may rely on its previous findings and conditions that the Project complies with the ORS 215.276.

7.1.3.10.3 OAR 660-006-0025 (Forest Zone Requirements)

Exhibit K of the ASC demonstrated that the Project will not force significant changes in farm practices or cause significant increases in the costs of accepted farm practices on surrounding lands devoted to farm use. The Council previously determined that the Project satisfied the requirements of OAR 660-006-0025.²⁵ The Proposed Site Boundary Additions within Union County's A-4 zone would include access road design updates along the Previously Approved Site Boundary in open rangeland (Figure 4-2, Maps 28 to 41). As such, the proposed site boundary changes are subject to county review under OAR 660-006-0025(4)(q), which was evaluated under OAR 660-006-0025(5) Uses Authorized In Forest Zones. As stated above, approximately 2.9 acres of land (0.0004 percent) would be permanently converted to operations as a result of site boundary changes within Union County. This impact is a de minimus percentage of the total forest land available in Union County and the inability to use the land for forest purposes over the life of the facility is not significant. In addition, IPC has prepared a Wildfire Mitigation Plan (Attachment 7-16) that has been filed with the Public Utility Commission of Oregon in compliance with OAR chapter 860, division 300. This plan would apply to the entire Project, including the Proposed Site Boundary Additions in RFA 1. Therefore, the Council may conclude that the Proposed Site Boundary Additions will not significantly increase fire hazard or significantly increase fire suppression costs or significantly increase risks to fire suppression personnel, as the Project is subject to a wildfire protection plan approved by the Public Utility Commission. Therefore, the previous evaluation remains consistent with the Proposed Site Boundary Additions, and the Council may rely on its previous findings that the Project complies with the Forest Zone requirements of OAR 660-006-0025.

7.1.3.11 Statewide Planning Goals

The Council previously determined that the Project satisfied the applicable criteria of OAR 345-022-0030, which implements ORS 469.504(1)(b).²⁶ The ASC described each of the 19 statewide planning goals and detailed how the Project complies with each goal. The proposed change with RFA 1 involve several site boundary changes across the entire span of the Project. The Proposed Site Boundary Additions would generally be in proximity to the approved site boundary, be constructed of the same materials and components previously described in Exhibit B of the ASC, and would occur in similar habitat types, topography, and land uses to those previously considered. Therefore, the changes proposed in RFA 1 will not create significant new impacts affecting those resources and interests protected by the Council's siting standards and the Council can find that the Proposed Site Boundary Additions will comply with the statewide planning goals adopted by the Land Conservation and Development Commission.

7.1.3.12 Goal 4 Exception

The Council previously determined that the Project satisfied the applicable criteria of OAR 345-022-0030, which implements ORS 469.504(1)(b).²⁷ The Proposed Site Boundary Additions do not affect the Council's previous finding that an exception to Goal 4 is justified. As described in

²⁵ Boardman to Hemingway Transmission Line Application for Site Certificate - Final Order, p. 261-272 (September 2022)

²⁶ Boardman to Hemingway Transmission Line Application for Site Certificate - Final Order, p. 272-280 (September 2022)

²⁷ Boardman to Hemingway Transmission Line Application for Site Certificate - Final Order, p. 280-287 (September 2022)

the assessment of applicable local land use criteria, the Council previously imposed several conditions (GEN-LU-12) that would limit the right-of-way in Goal 4 forest lands to no wider than 300 feet. The Proposed Site Boundary Additions on forest lands are limited to access road design updates along the Previously Approved Site Boundary and permanent impacts represent a de minimus percentage of the total forest land available in Union County. The existing conditions imposed by the Council to minimize potential impacts to forest practices will apply to the Proposed Site Boundary Additions. Therefore, the Council may conclude that the Proposed Site Boundary Additions, do not affect the Council's previous finding that an exception to Goal 4 is justified.

7.1.3.13 Federal Land Management Plans

National Environmental Policy Act (NEPA) review for the Project will include an evaluation of the Project's consistency with the applicable federal land management plans, which, per ORS 469.370(13), requires the Council to review the application, to the extent feasible, in a manner that is consistent with and does not duplicate review under NEPA. In the ASC Exhibit K, the Certificate Holder provided an evaluation of compliance with Federal Land Management Plans including Wallowa-Whitman National Forest Land and Resource Management Plan, Bureau of Land Management (BLM) Vale District Resource Management Plan, BLM Baker Resource Management Plan, BLM Southeastern Oregon Resource Management Plan, and Sage-Grouse Amendments to Resource Management Plans. The Wallowa-Whitman National Forest Land and Resource Management Plan was recently amended after the Final Record of Decision (USFS 2018) was issued to authorize the Project and related actions on National Forest System lands managed by the Wallowa-Whitman National Forest. In January 2021, BLM issued a record of decision approving amendments to its resource management plans in Oregon to provide certain conservation measures for Greater sage-grouse. The ASC's Exhibit K noted the Project was exempt from the new conservation measures set forth in prior amendments; instead, conservation measures for sage-grouse were analyzed through the Project's NEPA process (see Oregon Greater Sage-Grouse Approved Resource Management Plan Amendment). The Proposed Site Boundary Additions would generally be in proximity to the approved site boundary, be constructed of the same materials and components previously described in Exhibit B of the ASC, and would occur in similar habitat types, topography, and land uses to those previously considered. Therefore, the previous evaluation remains consistent with the Proposed Site Boundary Additions, and the Council may rely on its previous findings that the Project complies with the applicable Federal Land Management Plans.

In conclusion, the Proposed Site Boundary Additions will comply with Land Use conditions previously imposed on the Project (see Table 1). For the reasons discussed above, the Proposed Site Boundary Additions will comply with the Land Use Standard.

7.1.4 Protected Areas – OAR 345-022-0040

The Council previously concluded that the Project complies with the Protected Areas Standard.²⁸ The updated Protected Areas Standard requires the Council to find that the design, construction and operation of the facility, taking into account mitigation, are not likely to result in significant adverse impact to a protected area designated on or before the date the ASC or request for amendment was determined to be complete under OAR 345-015-0190 or 345-027-0363, as defined by OAR 345-022-0040. Based on the Certificate Holder's review of protected areas listed in the updated OAR 345-001-0010(26), there are 70 protected areas located within

²⁸ Boardman to Hemingway Transmission Line Application for Site Certificate - Final Order, p. 326 (September 2022)

20 miles of RFA 1's proposed site boundary additions (analysis area), including 8 new protected areas that were not previously addressed in the ASC (see Figure 7-11, and Attachment 7-2, Table 1). Note that this analysis does not address the previously approved site boundary and solely addresses the proposed site boundary changes in RFA 1.

The significance of impacts on protected areas from water use and wastewater, traffic, noise, visual viewshed alteration, and other impacts are disclosed in Exhibit L and the changes proposed by RFA 1 will not contribute any additional significant impacts to those already considered²⁹ (see Figure 7-11 and Attachment 7-2, Tables 1 and 2 for a full description). All newly identified protected areas within the RFA 1 analysis area will not serve as sources for water or experience any kind of wastewater disposal impacts due to continued proper wastewater containment; any traffic impacts from construction will be short term and operational impacts will be negligible due to infrequent maintenance and inspections required at the Project; all eight of the new protected areas are outside of the previously determined maximum distance of one-half of a mile to experience construction noise impacts, and noise impacts from operations will be intermittent (due to infrequent maintenance and inspections) or otherwise indistinguishable from existing background noise; and five of the eight new protected areas were determined to potentially experience visual impacts³⁰ (see Figure 7-12 and Attachment 7-2, Table 2).

²⁹ Boardman to Hemingway Transmission Line Application for Site Certificate - Final Order, p. 296-325 (September 2022)

³⁰ The Glass Hill Preserve/State Natural Heritage Area (low-intensity impacts at a middleground viewing distance), Boardman Research Natural Area (medium-intensity impacts at a middleground viewing distance), and Boardman/Willow Creek Research Natural Area (medium-intensity impacts at a background viewing distance) are located 1.6 miles west (nearest to RFA 1 access road addition in Union County), 2.0 miles south (nearest to RFA 1 access road addition in Morrow County), and 6.1 miles east (nearest to RFA 1 access road addition in Morrow County), respectively. Both the Boardman Research Natural Area and Boardman/Willow Creek Research Natural Area were also determined to be within the viewshed of the RFA 1 Little Juniper Canyon Transmission Line Alternative (see Figure 7-12); however, visual impacts are anticipated to be less than significant due to a combination of factors, including the presence of existing infrastructure (e.g., interstate and other roads, 69-kilovolt Bonneville Power Administration transmission line, wind and solar renewable energy facilities, and agricultural irrigation equipment), views of the RFA 1 site boundary additions being primarily peripheral and intermittent and mostly from neutral or elevated vantage points, topographical screening, the localization of impacts, no management for scenic quality, and public access not being permitted. The public is excluded from the Boardman Research Natural Area and Boardman/Willow Creek Research Natural Area (per personal communication between Kristen Gulick, Tetra Tech and Kelly Wallis, The Nature Conservancy, July 18, 2022, Attachment 7-2; OPRD 2020) and likely excluded from the Glass Hill Preserve/State Natural Heritage Area (per personal communication between Kristen Gulick, Tetra Tech, and Lindsey Wise, Oregon State University, Institute for Natural Resources, July 13, 2022, and Meghan Ballard, Blue Mountains Conservancy, July 23, 2022, Attachment 7-2). Note that the closest RFA 1 proposed site boundary additions to the three resources are related to access road changes (i.e., no aerial component) as opposed to the transmission line alternatives, which will present no additional/minimal visual impacts to what was approved in the ASC. Additionally, the RFA 1 Little Juniper Canyon Transmission Line Alternative (i.e., visible from the Boardman Research Natural Area and Boardman/Willow Creek Research Natural Area) will add minimal visual contrast to what was previously approved for the ASC (see Figure 7-12; substantial overlap with the previously approved viewshed). Note that the Glass Hill Preserve/State Natural Heritage Area is completely outside of the RFA 1 modeled bare earth viewshed (thus no towers are visible). See Figure 7-12 and Attachment 7-2, Table 2 for the full visual analysis. Note that the protected areas are closest/crossed in proximity to originally approved, unchanged portions of the site boundary as opposed to the site boundary realignments proposed by RFA 1 (see Figure 7-11). The Glass

Continued implementation of the following Site Certificate Conditions will ensure that impacts to protected areas will be minimized: GEN-PA-01 (Ladd Marsh Wildlife Area agency coordination), GEN-PA-02 (avoidance of Ladd Marsh Wildlife Area if Morgan Lake alternative route is chosen), GEN-SR-03 (National Historic Oregon Trail Interpretive Center visual impact reduction), GEN-SR-04 (Birch Creek Area of Critical Environmental Concern visual impact reduction), GEN-HC-01 (Oregon Trail/National Historic Trail resource impact avoidance), GEN-HC-02 (implementation of Historic Properties Management Plan), PRE-PS-02 (traffic management and control measure implementation), and GEN-PS-01 (controlled helicopter use within 2 miles of the protected or recreation areas).

Note that contact information for the applicable land management agencies as well as reference to individual subsections under OAR 345-001-0010(26) have been added for each identified protected area per updates to OAR 345-021-0010(l)(A) (see Attachment 7-2, Table 1).

The Proposed Site Boundary Additions do not alter the basis for the Council's previous findings, or its conclusion that the Project will not likely result in a significant adverse impact to any Protected Areas in the analysis area. Therefore, the Proposed Site Boundary Additions meet the requirement of the Protected Areas Standard.

7.1.5 Fish and Wildlife Habitat – OAR 345-022-0060

The Council's Fish and Wildlife Habitat Standard requires the Council to find that the design, construction, and operation of a facility is consistent with the Oregon Department of Fish and Wildlife's (ODFW) habitat mitigation goals and standards, as set forth in OAR 635-415-0025. The Council previously found that the Project complies with the Fish and Wildlife Habitat Standard. The following describes the Certificate Holder's review of the effects on fish and wildlife habitat from the Proposed Site Boundary Additions and any additional information required to comply with the Fish and Wildlife Habitat Standard.

7.1.5.1 Background Review

IPC reviewed ODFW's current list of sensitive species (ODFW 2021a), updated databases from the Oregon Biodiversity Information Center (ORBIC 2021), U.S. Forest Service and BLM (USFS 2022; BLM 2022), and StreamNet (2021) to inform which state sensitive species have the potential to occur in or near the Proposed Site Boundary Additions. IPC also reviewed existing landcover data (USGS 2011) to determine the habitat types that occur in the Proposed Site Boundary Additions.

Hill Preserve/State Natural Heritage Area was added post submittal of the ASC, listed under the updated OAR 345-001-0010(26)(l). Alternative routes were studied as part of the ASC and in compliance with the updated OAR 345-022-0040(2)(a), the approved Morgan Lake Alternative route that passes through the Glass Hill Preserve/State Natural Heritage Area was ultimately selected as the least impact option. Both the Boardman Research Natural Area and Boardman/Willow Creek Research Natural Area were present prior to submittal of the ASC and were added to this analysis as a result of updates to the previous OAR 345-022-0040(1)(o) and new OAR 345-001-0010(26)(i), which previously excluded the protected areas from analysis due to management by the Department of Defense and The Nature Conservancy and not BLM. Alternative routes were studied as part of the ASC and in compliance with the updated OAR 345-022-0040(2)(a), the approved West of Bombing Range Road Alternative 1 route that passes adjacent to the Boardman Research Natural Area was ultimately selected as the least impact option. See Attachment 7-2, Table 1 for the full impact analysis.

7.1.5.2 Surveys

IPC has performed biological surveys on the Proposed Site Boundary Additions following the protocols presented in Attachment P1-2 of Exhibit P1 of the ASC and per the Site Certificate conditions PRE-FW-01 and PRE-FW-02. Table 7.1-11 includes a list of surveys, the Proposed Site Boundary Additions at which the surveys are being performed, current status of those surveys, and details of future survey efforts.

Terrestrial visual encounter surveys and pygmy rabbit (*Brachylagus idahoensis*) surveys have been completed. Washington ground squirrel (WAGS; *Urocitellus washingtoni*), great gray owl (*Strix nebulosa*) and flammulated owl (*Psilosops flammeolus*), and northern goshawk (*Accipiter gentilis*) and American three-toed woodpecker (*Picoides dorsalis*) surveys have been partially completed for the Proposed Site Boundary Additions. In addition, rare plant surveys, noxious weed surveys, and wetland surveys of the Proposed Site Boundary Additions are also partially completed. Most surveys are considered ongoing due to right of entry; however, surveys will be completed on all Proposed Site Boundary Additions prior to construction. Survey findings are incorporated in this RFA 1 where available.

Table 7.1-11. Biological Resources Surveys

Survey Type	Survey Location	RFA 1 – Total Area Requiring Surveys (acres)	RFA 1 – Total Survey Area Completed in 2022 (acres)	Status
Washington ground squirrel (Attachment 7-3)	Little Juniper Canyon Alternative, Previously Approved Site Boundary access road changes in Morrow County	69.4	67.5	IPC will perform pre-construction WAGS surveys of all unsurveyed areas of ground squirrel habitat associated with RFA 1. Survey results will be provided to ODOE.
Terrestrial Visual Encounter Survey (Attachment 7-4)	All RFA 1 site boundary additions.	427	427	Complete
Pygmy Rabbit (Attachment 7-5)	Durbin Quarry Alternative, Previously Approved Site Boundary access road changes in Baker County	29	29	Complete
Rare Plants (Attachment 7-6)	All RFA 1 site boundary additions.	570	209	IPC will perform pre-construction T&E plant surveys of all unsurveyed areas of Proposed Site Boundary Additions that have potential habitat and where species were previously observed and/or areas with known occurrences. Survey results will be provided to ODOE.

Survey Type	Survey Location	RFA 1 – Total Area Requiring Surveys (acres)	RFA 1 – Total Survey Area Completed in 2022 (acres)	Status
Noxious Weeds (Attachment 7-7)	All RFA 1 site boundary additions.	570	209	IPC will perform pre-construction noxious weed surveys of all unsurveyed areas associated with the Proposed Site Boundary Additions. Survey results will be provided to ODOE.
Great Gray Owl and Flammulated Owl ¹ (Attachment 7-8)	Previously Approved Site Boundary access road changes in Union County	46 call stations	18 call stations	IPC will perform pre-construction great gray and flammulated owl surveys of all unsurveyed areas associated with the Proposed Site Boundary Additions. Survey results will be provided to ODOE.
Northern Goshawk and American Three-toed Woodpecker ² (Attachment 7-8)	Previously Approved Site Boundary access road changes in Union County	52 call stations	25 call stations	IPC will perform pre-construction northern goshawk and American three-toed woodpecker surveys of all unsurveyed areas associated with the Proposed Site Boundary Additions. Survey results will be provided to ODOE.
Raptor Nest	All Proposed Site Boundary Additions.	0	0	IPC will perform pre-construction aerial raptor nest surveys for the entire Project, including the Proposed Site Boundary Additions. Survey results will be provided to ODOE.
Wetland	All Proposed Site Boundary Additions.	See Section 5.3	See Section 5.3	See Section 5.3

¹ Great gray owl call stations are within 0.25-mile buffer of the Proposed Site Boundary Additions.

² Northern goshawk call stations are within 0.5-mile buffer of the Proposed Site Boundary Additions.

7.1.5.3 Findings

IPC has performed habitat categorization per OAR 635-415-0025 by using survey data and an existing landcover dataset (USGS 2011) as the basis for habitat mapping within the Proposed Site Boundary Additions. IPC also used the findings of the WAGS surveys and ODFW elk and

mule deer winter range designations to inform the habitat categorization. The habitat categorization followed the process described in Attachment P1-1 of the ASC.

A single WAGS colony was identified within the survey area associated with the Little Juniper Canyon Alternative in Morrow County. No Category 1 WAGS habitat occurs within the Proposed Site Boundary Additions. Category 2 WAGS habitat (within 1.5 kilometers of colony boundary) is included in the habitat categorization of the Proposed Site Boundary Additions. No pygmy rabbits or their sign were observed during surveys. No owl, goshawk, or woodpecker nests were identified during surveys. Raptor nest surveys will be performed during the breeding season prior to construction.

Mule deer winter range and elk winter range are both considered Category 2 habitat. Two of the three proposed alternatives are in mule deer and elk winter range: True Blue Gulch and Durbin Quarry. Several of the Proposed Site Boundary Additions associated with the Previously Approved Site Boundary access road changes occur in elk and mule deer winter range in Umatilla, Union, Baker, and Malheur counties.

Table 7.1-12 shows the habitat categorization for the Proposed Site Boundary Additions. Figure 7-13 and Figure 7-14 contain maps showing the habitat categorization for the Proposed Site Boundary Additions.

Table 7.1-12. Habitat Categorization of RFA 1 Proposed Site Boundary Additions

Proposed Change	Habitat Category					Total
	1	2	3	5	6	
Little Juniper Canyon Alternative						78.7
Agriculture / Developed					35.8	34.6
Shrubland		42.8				42.7
True Blue Gulch Alternative						422.8
Bare Ground		8.2				8.2
Forest / Woodland		116.6				116.6
Grassland		18.3				18.3
Riparian Vegetation		2.5				2.5
Shrubland		277.0				277.0
Durbin Quarry Alternative						130.0
Agriculture / Developed					1.4	1.4
Grassland		9.3				9.3
Shrubland		119.3				119.3
Previously Approved Site Boundary Access Road Changes						404.5
Agriculture / Developed					58.1	58.1
Bare Ground		10.5	0.6			11.1
Forest / Woodland		9.6	37.4			47.0
Grassland		70.6	1.7			72.3
Open Water		3.2				3.2
Riparian Vegetation		0.2	0.5			0.7
Shrubland		178.9	33.2			212.2

Review of the most recent ODFW sensitive species list and species occurrence datasets would not warrant any changes to the previously prepared Table P1-5 in Exhibit P1 of the ASC that indicates which sensitive species are likely to occur near the Project. The discussion of the nature and duration of potential impacts to fish and wildlife in Exhibit P1 of the ASC is applicable to the Proposed Site Boundary Additions.

Quantification of acreages of temporary and permanent impacts by habitat type and category of the Proposed Site Boundary Additions are included in Table 7.1-13 and are incorporated in a redlined habitat mitigation plan (Attachment 7-9).

Table 7.1-13. Temporary and Permanent Impact Calculations

Proposed Change	Habitat Category							
	2		3		5		6	
	Temp	Perm	Temp	Perm	Temp	Perm	Temp	Perm
Little Juniper Canyon Alternative								
Agriculture / Developed								
Shrubland	4.7	1.4	1.9	0.2			7.4	0.9
<i>Subtotal</i>	4.7	1.4	1.9	0.2			7.4	0.9
True Blue Gulch Alternative								
Forest / Woodland	0.6	0.0						
Grassland	8.7	1.7						
Riparian Vegetation	3.1	0.9						
Shrubland	58.4	12.5						
<i>Subtotal</i>	70.8	15.1						
Durbin Quarry Alternative								
Agriculture / Developed							0.5	
Grassland	1.8	0.4						
Shrubland	28.9	3.7						
<i>Subtotal</i>	30.7	4.1					0.5	
Previously Approved Site Boundary Access Road Changes								
Agriculture / Developed							9.1	5.3
Bare Ground	2.0	0.9	0.1	0.1				
Forest / Woodland	1.5	1.3	6.6	2.6				
Grassland	12.6	6.6	0.2	0.2				
Open Water	1.0	0.5						
Riparian Vegetation	0.0	0.0						
Shrubland	30.9	15.6	7.3	3.4				
<i>Subtotal</i>	47.9	24.9	14.2	6.2			9.1	5.3
Grand Total	154.1	45.5	16.1	6.4			17.0	6.2

The Durbin Quarry Alternative and several Previously Approved Site Boundary access road changes occur in greater sage-grouse (*Centrocercus urophasianus*) habitat. Greater sage-grouse habitat designations are defined in Exhibit P-2 of the ASC. The Durbin Quarry Alternative and some Previously Approved Site Boundary access road changes in Baker County occur in Core Area and Low Density habitat. The types of impacts on sage-grouse and their habitat associated with the changes proposed in RFA 1 would be similar to those discussed in Exhibit P-2 of the ASC.

The Proposed Site Boundary Additions that occur in elk winter range would result in the types of impacts discussed in Exhibit P-3 of the ASC.

7.1.5.4 Conclusion

Ground-disturbing activities will be avoided in WAGS Category 1 habitat (within 785 feet of the colony boundary) per condition CON-TE-01. Similarly, ground-disturbing activities will not occur

in elk or mule deer winter range from December 1 to March 31 per condition CON-FW-01 (with exceptions) and ground disturbing activities will not occur within the seasonal restriction areas associated with active raptor nests per condition CON-FW-04 (with exceptions). Acreages of temporary and permanent impacts by habitat type and category were included in Attachment 7-9 and will be incorporated, as applicable, in the final habitat mitigation plan per condition GEN-FW-04. All work will be performed in accordance with the draft Reclamation and Revegetation Plan (Attachment P1-3 of the Final Order), draft Vegetation Management Plan (Attachment P1-4 of the Final Order), and draft Noxious Weed Plan (Attachment P1-5 of the Final Order), which will be finalized prior to construction per conditions GEN-FW-01, GEN-FW-02, and GEN-FW-03.

The Proposed Site Boundary Additions that occur in greater sage-grouse habitat would be evaluated in a final Sage-Grouse Habitat Mitigation Plan prior to construction per condition PRE-FW-03.

The Proposed Site Boundary Additions that occur in elk habitat would be evaluated with the rest of the Project in a final Habitat Mitigation Plan.

Therefore, based on the information provided and the conditions imposed on the Project, the Council may conclude that the Proposed Site Boundary Additions will comply with the Fish and Wildlife Habitat standard.

7.1.6 Threatened and Endangered Species – OAR 345-022-0070

The Council previously found the Certificate Holder has demonstrated an ability to construct, operate, and retire the Project in compliance with Council standards and conditions of the Site Certificate, including the Threatened and Endangered Species Standard (OAR 345-022-0070). The Certificate Holder's assessment of the Project's compliance with the Threatened and Endangered Species Standard was included as Exhibit Q of the ASC. The following describes the Certificate Holder's review of the effects on threatened and endangered species from the Proposed Site Boundary Additions.

7.1.6.1 Background Review

IPC reviewed ODFW's Threatened, Endangered, and Candidate Fish and Wildlife Species list (ODFW 2021b) and ODA's Threatened, Endangered, and Candidate Plant Species list (ODA 2022) to determine which species are currently listed under the Oregon Endangered Species Act (ORS 496.171 – 496.192). Additionally, IPC reviewed updated databases from the Oregon Biodiversity Information Center (ORBIC 2022), U.S. Forest Service and BLM (USFS 2022; BLM 2022), and StreamNet (2022) to inform which Threatened and Endangered species have the potential to occur in or near the Proposed Site Boundary Additions.

Species with the potential to occur in or near the Proposed Site Boundary Additions include WAGS, Snake River Chinook Salmon (Spring/Summer; *Oncorhynchus tshawytscha*), and several threatened and endangered plant species listed in Table 7.1-14. The background review did not identify any threatened or endangered species associated with RFA 1 that were not previously addressed in the ASC.

Several known occurrences of WAGS tracked by the Oregon Biodiversity Information Center overlap the Little Juniper Canyon Alternative and four Proposed Site Boundary Additions to the Previously Approved Site Boundary access roads in Morrow County. The occurrences which overlap the Little Juniper Canyon Alternative and three of the Proposed Site Boundary Additions to the Previously Approved Site Boundary access roads are historical and were last observed in 1987 (prior to IPC's observations nearby but non-overlapping the Little Juniper Canyon

Alternative in 2022). The occurrence overlapping the fourth Proposed Site Boundary Addition to the Previously Approved Site Boundary access roads was last observed in 2011 (however IPC surveyed the entirety of this proposed change to site boundary in 2022 and did not find any active colonies).

Several known occurrences of threatened and endangered plant species overlap the Proposed Site Boundary Additions. Snake River goldenweed (*Pyrocoma radiata*) is an endangered plant species, and two known occurrences overlap the Durbin Quarry Alternative and two Proposed Site Boundary Additions to other access roads in Baker County (ORBIC 2022; BLM 2022). One occurrence of Lawrence’s milkvetch (*Astragalus collinus* var. *laurentii*) overlaps four of the Proposed Site Boundary Additions to Previously Approved Site Boundary access roads in Morrow County; however, this occurrence was last observed in 1976 (ORBIC 2022).

Additionally, numerous other known occurrences of threatened and endangered plant species overlap the analysis area (Proposed Site Boundary Additions buffered by a half-mile) including Snake River goldenweed, Lawrence’s milkvetch, and Cronquist’s stickseed (*Hackelia cronquistii*). Several other plant species have recorded observations under 5 miles from the analysis area and are presented below in Table 7.1-14.

No streams bearing Snake River Chinook salmon (Spring/Summer) overlap the Proposed Site Boundary Additions. The only record of Snake River Chinook salmon (Spring/Summer) that overlaps the analysis area occurs in the Grande Ronde River about a third of mile from a Proposed Site Boundary Addition to a Previously Approved Site Boundary access road in Union County.

Table 7.1-14. State Listed Threatened and Endangered Species Potentially Present within the Analysis Area

Type	Species	Location	Counties	State Status	Justification
Wildlife	Washington ground squirrel (<i>Urocitellus washingtoni</i>)	Little Juniper Canyon Alternative	Morrow	Endangered	Known records in analysis area
Fish	Snake River Spring/Summer Chinook Salmon (<i>Oncorhynchus tshawytscha</i>)	Previously Approved Site Boundary access road changes in Union County	Union	Threatened	Nearest record is within the analysis area
Plant	Lawrence's milkvetch (<i>Astragalus collinus</i> var. <i>laurentii</i>)	Little Juniper Canyon Alternative; Previously Approved Site Boundary access road changes in Morrow and Umatilla Counties	Morrow, Umatilla	Threatened	Habitat occurs within analysis area; nearest occurrence overlaps analysis area
Plant	Mulford's milkvetch (<i>Astragalus mulfordiae</i>)	Previously Approved Site Boundary access road changes in Malheur County	Malheur	Endangered	Nearest occurrence is within 5 miles of the analysis area

Type	Species	Location	Counties	State Status	Justification
Plant	Smooth mentzelia (<i>Mentzelia mollis</i>)	Previously Approved Site Boundary access road changes in Malheur County	Malheur	Endangered	Nearest occurrence is within 5 miles of the analysis area
Plant	Cronquist's stickseed (<i>Hackelia cronquistii</i>)	Durbin Quarry Alternative; Previously Approved Site Boundary access road changes in Baker and Malheur Counties	Baker, Malheur	Threatened	Known occurrence within analysis area
Plant	Oregon semaphore grass (<i>Pleuropogon oregonus</i>)	Previously Approved Site Boundary access road changes in Union County	Union	Threatened	Nearest occurrence is within 5 miles of the analysis area
Plant	Snake River goldenweed (<i>Pyrrocoma radiata</i>)	Durbin Quarry Alternative; True Blue Gulch Alternative; Previously Approved Site Boundary access road changes in Baker and Malheur Counties	Baker, Malheur	Endangered	Known occurrence within the analysis area
Plant	Howell's spectacular thelypody (<i>Thelypodium howellii</i> ssp. <i>spectabilis</i>)	Previously Approved Site Boundary access road changes in Baker and Union Counties	Baker, Union	Endangered	Nearest occurrence is within 5 miles of the analysis area

7.1.6.2 Surveys

IPC performed surveys for WAGS within a 1,000-foot buffer of the site boundary in suitable habitat (survey area) in the Little Juniper Canyon Alternative and numerous Proposed Site Boundary Additions to other access roads in Morrow County in April and May 2022 (Attachment 7-3). A 1,000-foot buffer on the site boundary was surveyed because ODFW recommends a 785-foot buffer in continuous suitable habitat around WAGS colonies as an avoidance area for energy development projects. Portions of the survey area not completed were due to the lack of right of entry. Surveys will be completed prior to construction.

Threatened and endangered plant species surveys have been completed at the Little Juniper Canyon Alternative and the Durbin Quarry Alternative. The True Blue Gulch Alternative and the Proposed Site Boundary Additions to the Previously Approved Site Boundary access roads have not been completed due to the lack of right of entry. Threatened and endangered plant species surveys

will be completed prior to construction. Table 7.1-15 summarizes the surveys performed for threatened and endangered species including the current status of survey completeness for the Proposed Site Boundary Additions.

Steelhead salmon, rainbow (redband) trout, and Snake River Spring/Summer Chinook Salmon are the only salmonids known to inhabit the streams within the analysis areas. No streams or rivers (Grande Ronde River) bearing Snake River Spring/Summer Chinook will be affected by the Proposed Site Boundary Additions in Union County.

Table 7.1-15. Status and Results of Surveys by Proposed Site Boundary Additions

Section	Type	Status	Results
Little Juniper Canyon Alternative (Morrow County)	Washington ground squirrels	Complete (47.9/47.9 acres)	Found within the survey area; 785-foot buffer of colony does not overlap project features
Previously Approved Site Boundary access road changes in Morrow County	Washington ground squirrels	91 percent complete (19.6/21.5 acres)	No Washington ground squirrels found.
Little Juniper Canyon Alternative (Morrow County)	Threatened and endangered (T&E) plant species	Complete (35.8/35.8 acres)	No T&E plant species found
Durbin Quarry (ODOT) Alternative (Baker County)	T&E plant species	Complete (116.4/116.4 acres)	Snake River goldenweed population observed by IPC in 2022 overlaps the pulling and tensioning area.
True Blue Gulch Alternative (Baker County)	T&E plant species	6 percent complete (19/332 acres)	No T&E plant species found.
Previously Approved Site Boundary access road changes in Baker County	T&E plant species	8 percent complete (1/13 acres)	No T&E plant species found.
Previously Approved Site Boundary access road changes in Malheur County	T&E plant species	Complete (24.2/24.2 acres)	No T&E plant species found.
Previously Approved Site Boundary access road changes in Morrow County	T&E plant species	0 percent complete (0/13.0 acres)	No T&E plant species found.
Previously Approved Site Boundary access road changes in Umatilla County	T&E plant species	85 percent complete (27.2/31.9 acres)	No T&E plant species found.
Previously Approved Site Boundary access	T&E plant species	Complete (4.6/4.6 acres)	No T&E plant species found.

Section	Type	Status	Results
road changes in Union County			

7.1.6.3 Findings

One WAGS colony was found within the survey area associated with the Little Juniper Canyon Alternative in Morrow County. The colony is located more than 785 feet outside of the Proposed Site Boundary Additions (no Category 1 habitat occurs within the Proposed Site Boundary Additions).

One populations of Snake River goldenweed was found within the Proposed Site Boundary Additions associated with the Durbin Quarry Alternative. This population is located within and expands beyond a planned pulling and tensioning area.

7.1.6.4 Conclusion

As previously stated in the Fish and Wildlife Habitat section above, ground-disturbing activities will be avoided in WAGS Category 1 habitat (within 785 feet of the colony boundary) per condition CON-TE-01.

Per condition CON-TE-02, the population of Snake River goldenweed which overlaps the pulling and tension area associated with the Durbin Quarry Alternative will be avoided by micro-siting (by a 33-foot buffer) the road corridor. If avoidance is not possible, temporary construction mats will be installed over soils where the threatened or endangered plant species have been observed and where construction vehicles will be operated. The same approach will be followed if threatened or endangered plant are identified during ongoing surveys prior to construction.

All previously imposed Council conditions for threatened and endangered species apply to RFA 1. The Proposed Site Boundary Additions do not affect the Certificate Holder’s ability to comply with any of the Site Certificate conditions for threatened and endangered species. Therefore, for the reasons discussed above and subject to the Site Certificate conditions, the Proposed Site Boundary Additions will comply with the Council's Threatened and Endangered Species Standard.

7.1.7 Scenic Resources – OAR 345-022-0080

The Council previously concluded that the Project complies with the Scenic Resources Standard. OAR 345-022-0080 requires the Council to determine that the design, construction, and operation of the proposed Project will not have a “significant adverse impact” to any significant or important scenic resources and values in the analysis area. The previous scenic resource analysis for the ASC (Exhibit R) found 47 applicable federal and local land use management plans or development codes within the 10-mile analysis area of the Project. Based on the Certificate Holder’s review of applicable land use plans, 23 of the 47 plans or codes have been updated or replaced by a new plan since the ASC (Baker County 2016, Benton County 2022, City of Hermiston 2014, City of Baker 2020, City of Island City 2022, City of Lone 2009, City of Irrigon 2014, 2017, City of La Grande 2013, City of Pendleton 2022, City of Stanfield 2017, City of Umatilla 2013, City of Vale 2014, CTUIR 2018, Morrow County 2017, 2019, ODFW 2017, 2018, 2022, OPRD 2019, Umatilla County 2022, Union County 2021, Washington County 2020). The updates did not identify additional scenic resources or include provisions that will warrant changes to the previous analyses of scenic resources. See Attachment 7-10, Table 1 for a description of the plans and codes and any updates. See Figure 7-15 for the locations of the identified scenic resources.

Additionally, the proximity of a majority of the previously identified scenic resources to the RFA 1 analysis area either remained the same as previously described in the ASC or increased, thus the impacts will be less than or equal to what was previously approved (Attachment 7-10, Table 2). For the one scenic resource that decreased in proximity to the Project (SR B5), the distances changed by approximately 0.1 mile, thus impacts were found to be similar to what was previously approved for these areas (Attachment 7-10, Table 2).

The Certificate Holder completed a zone of visual influence (ZVI) analysis for the changes proposed in RFA 1. The visual impacts associated with the changes proposed in RFA 1 were found to be similar to what was previously approved for these areas (Attachment 7-10, Table 2).

Continued implementation of the following Site Certificate conditions will ensure that impacts to scenic resources will be minimized: GEN-PA-02 (avoidance of Ladd Marsh Wildlife Area if Morgan Lake alternative route is chosen), GEN-SR-01 (use of dull-galvanized steel), GEN-SR-02 (Union County visual impact reduction), GEN-SR-03 (National Historic Oregon Trail Interpretive Center visual impact reduction), and GEN-SR-04 (Birch Creek Area of Critical Environmental Concern [ACEC]).

Therefore, the Proposed Site Boundary Additions do not alter the basis for the Council's prior findings that the Project complies with the Scenic Resources Standard.

7.1.8 Historical, Cultural and Archaeological Resources – OAR 345-022-0090

The Council previously concluded that the Project complies with the Historical, Cultural and Archaeological Resources Standard. OAR 345-022-0090 requires the Council to determine that the design, construction, and operation of the proposed Project will not have a significant adverse impact on historic, cultural, or archaeological resources that have been listed on, or will likely be listed on the National Register of Historic Places (NRHP); for a facility on private land, archaeological objects, as defined in ORS 358.905(1)(a), or archaeological sites, as defined in ORS 358.905(1)(c); and for a facility on public land, archaeological sites, as defined in ORS 358.905(1)(c).

The previous historic, cultural, and archaeological resource analysis for the ASC (Exhibit S) is summarized in the Final Order, particularly in Tables HCA-2, -3, -4, -6, and -7. These tables identify 29 avoided/not impacted segments/resources associated with the Oregon Trail, 10 potentially indirectly impacted segments/resources associated with the Oregon Trail, three (3) indirectly impacted Historic Properties of Religious and Cultural Significance to Indian Tribes, 104 potentially impacted resources, and 23 inventoried resources subject to the standards in OAR 345-022-0090.

7.1.8.1 Background Review

IPC has completed record searches to identify previously recorded archaeological and historic sites within the site boundary of all proposed changes and that might be encountered during the course of the Project surveys. Research was conducted at the Oregon State Historic Preservation Office (SHPO), Confederated Tribes of the Umatilla Indian Reservation (CTUIR) Tribal Historic Preservation Office, U.S. Department of Agriculture, Forest Service (USFS), and BLM offices to identify previous cultural resource surveys and previously recorded cultural resources within the analysis area. Oregon SHPO databases consulted include Oregon Archaeological Records Remote Access and Oregon Historic Sites Database. Data were collected for both archaeological and historic sites and included site location, age, type, ownership, NRHP status, and a brief description of site attributes. Additional sources of information included the Oregon Historic Trails website (<http://www.oregonhistorictailsfund.org>),

USGS Mineral Resource Data System, General Land Office plats, early USGS and state maps, other historic maps and aerial photographs, ethnographic literature, and historical contexts.

7.1.8.2 Surveys

Cultural resource field surveys were performed consistent with applicable survey protocol plans and situated within the site boundary of all proposed changes. These include a cultural resources pedestrian survey (Figure 7-17 and Figure 7-18) of the direct analysis area and surveys in support of the Visual Assessment of Historic Properties within the Visual Assessment analysis area. These preconstruction surveys are ongoing and have identified resources subject to the Standards in OAR-345-022-0090 and they are listed in Table 7.1-16. Reports on these identified resources and ongoing surveys are forthcoming. A report for survey within the direct analysis area completed through 2021 is provided as Attachment 7-11. This report is considered a preliminary final and has been reviewed by consulting parties for the Project's Section 106 process. An updated Visual Assessment of Historic Properties survey report for the indirect analysis area is also provided as Attachment 7-12. This report is a draft and is currently being revised under the Section 106 process.

The impacts associated with changes in visibility as a result of this RFA were found to be similar to what was described in the ASC. AECOM prepared revised viewshed maps that identified areas that either would have new views based upon the new alignments and roads. The maps contained in the 2022 draft Oregon VAHP ILS (Attachment 7-12) were then analyzed. This analysis did not identify resources that would be newly affected by the proposed route changes other than those archaeological sites with aboveground components identified by Tetra Tech in the direct analysis area and contained in the Initial Class III (Attachment 7-11). A map depicting the identified resources and viewshed impacts for the site boundary is provided as Attachment 7-13. Outside of site boundary, no additional resources were identified for field analysis within the Visual Assessment analysis area.

Table 7.1-16. Potentially Impacted Resources

Resource Number	County	Generalized Resource Description/ Resource Type	NRHP Recommendation ¹	Project Route	Project Component	Land Ownership	Applicable EFSC Standard	Impact Avoided?	Resource Newly Considered ²	Management Comments
Oregon National Historic Trail Route	Umatilla, Union, Baker	Historic Trail	Eligible	Access Road Changes in Umatilla, Union, and Baker Counties	New Road, Primitive	PV	a) Potential Historic Property;	No – No significant physical and visual/auditory impact. No intact NHT segments at road change locations	No	If avoidance not possible, testing/segment eligibility evaluation/consultation needed.
Sand Hollow Battleground	Morrow/ Umatilla	HPRCSIT	Eligible	Access Road Changes in Morrow and Umatilla Counties	New Road, Bladed, Primitive	BLM, DOD, PV	a) Potential Historic Property	No – potential significant physical and visual/auditory impacts	No	If avoidance not possible, testing (metal detecting)/continued consultation needed.
Sisupa	Morrow	HPRCSIT	Eligible	Access Road Changes in Morrow County	New Road, Bladed, Primitive	DOD, PV	a) Potential Historic Property	No – potential significant physical and visual/auditory impacts	No	If avoidance not possible, continued consultation needed.
4B2H-EK-07	Baker	Historic: Water Conveyance (Smith Ditch)	Unevaluated	Access Road Changes in Baker County	Existing Road, Substantial Modification, 21-70% Improvements	PV	a) Potential Historic Property;	No – Physical and visual/auditory impacts not significant.	No	Use of existing canal access road will not physically alter ditch. No further management.
7B2H-DM-ISO-22	Baker	Precontact: Isolated Find - Debitage	Unevaluated	Durbin Quarry (ODOT) Alternative	Route Centerline, New Road, Bladed	BLM	a) Potential Historic Property;	Yes	Yes	Flag/Avoid
7B2H-BB-ISO-04	Baker	Precontact: Isolated Find - Debitage	Unevaluated	Durbin Quarry (ODOT) Alternative	Route Centerline, New Road, Bladed	PV	a) Potential Historic Property; b) Archaeological site on private lands	Yes	Yes	Flag/Avoid
35BA01570/ 4B2H-EK-27	Baker	Historic Road	Not Eligible	Durbin Quarry (ODOT) Alternative	New Road, Bladed	BLM, PV	b) Archaeological site on private land.	No	No	No further management
35BA01571/ 4B2H-EK-28	Baker	Historic Water Conveyance	Not Eligible	Durbin Quarry (ODOT) Alternative	New Road, Bladed	BLM, PV	a) Potential Historic Property; b) Archaeological site on private lands	Yes	No	No further management
35BA01564/ 4B2H-EK-30	Baker	Historic Water Conveyance	Not Eligible	Durbin Quarry (ODOT) Alternative	New Road, Bladed	BLM	None - Archaeological site not eligible for NRHP. Federal land.	Yes	No	No further management

Resource Number	County	Generalized Resource Description/ Resource Type	NRHP Recommendation	Project Route	Project Component	Land Ownership	Applicable EFSC Standard	Impact Avoided?	Resource Newly Considered	Management Comments
8B2H-DM-23	Baker	Multi-component: Precontact: Lithic/Tool Scatter; Historic mine	Unevaluated	True Blue Gulch Alternative	Existing Road, Substantial Modification 71-100% improvements, New Road, Bladed	BLM	a) Potential Historic Property	No – Potential significant physical impact for new road. No significant physical impact for existing road with mitigation.	Yes	If avoidance not possible, testing/ eligibility evaluation needed for new road. Gravel will be placed over existing road through site to protect resource from physical impacts of existing road use.
8B2H-DM-24	Baker	Precontact: Lithic/Tool Scatter	Unevaluated	True Blue Gulch Alternative	Existing Road, Substantial Modification 71-100% improvements	PV	a) Potential Historic Property; b) Archaeological site on private lands	No – physical impact not significant with mitigation.	Yes	If avoidance not possible, gravel will be placed over existing road through site to protect resource from physical impacts of existing road use.
8B2H-DM-25	Baker	Precontact: Lithic/Tool Scatter	Unevaluated	True Blue Gulch Alternative	Existing Road, Substantial Modification 71-100% improvements	PV	a) Potential Historic Property; b) Archaeological site on private lands	No – physical impact not significant with mitigation.	Yes	If avoidance not possible, gravel will be placed over existing road through site to protect resource from physical impacts of existing road use.
8B2H-DM-26	Baker	Precontact: Lithic scatter	Unevaluated	True Blue Gulch Alternative	Existing Road, Substantial Modification 71-100% improvements	PV	a) Potential Historic Property; b) Archaeological site on private lands	No – physical impact not significant with mitigation.	Yes	If avoidance not possible, gravel will be placed over existing road through site to protect resource from physical impacts of existing road use.
8B2H-DM-27	Baker	Precontact: Lithic/Tool Scatter	Unevaluated	True Blue Gulch Alternative	Existing Road, Substantial Modification 71-100% improvements	PV	a) Potential Historic Property; b) Archaeological site on private lands	No – physical impact not significant with mitigation.	Yes	If avoidance not possible, gravel will be placed over existing road through site to protect resource from physical impacts of existing road use.

Resource Number	County	Generalized Resource Description/ Resource Type	NRHP Recommendation	Project Route	Project Component	Land Ownership	Applicable EFSC Standard	Impact Avoided?	Resource Newly Considered	Management Comments
8B2H-DM-20	Baker	Precontact: Lithic/Tool Scatter	Unevaluated	True Blue Gulch	Existing Road, Substantial Modification, 71- 100% Improvements	PV	a) Potential Historic Property; b) Archaeological site on private lands	No – physical impact not significant with mitigation.	Yes	If avoidance not possible, gravel will be placed over existing road through site to protect resource from physical impacts of existing road use.
35BA1585 (6B2H- SA-14)	Baker	Precontact: Lithic Scatter	Unevaluated	Access Road Changes in Baker County	Existing Road, Substantial Modification, 21-70% Improvements	PV	a) Potential Historic Property; b) Archaeological site on private lands	No – physical impact not significant with mitigation.	Yes	If avoidance not possible, gravel will be placed over existing road through site to protect resource from physical impacts of existing road use.
4B2H-EK-17	Baker	Historic Water Conveyance	Unevaluated	Access Road Changes in Baker County	Existing Road, No Improvements Permitted	PV	a) Potential Historic Property	Yes	Yes	No features of site in existing road. No improvements of existing road permitted within 30 meters of site.
NRCS2011-T11S- R42E-S23/01	Baker	Precontact: Isolated Find: Debitage	Unevaluated	Access Road Changes in Baker County	New Road, Bladed	PV	a) Potential Historic Property; b) Potential archaeological object on private lands	No – potential physical impact	Yes	Flag/Avoid. Boundary Probe.
02S3600E07002	Union	Historic	Not Eligible	Access Road Changes in Union County	Existing Road, Substantial Modification, 71- 100% Improvements	USFS, State of Oregon	None - Archaeological site not eligible for NRHP. Federal land.	No – physical impact not significant.	Yes	No further management
8B2H-AB-01.2	Malheur	Historic: South Canal Segment	Unevaluated (No status listed)	Access Road Changes in Malheur County	Existing Road, Substantial Modification, 21-70% Improvements	PV	a) Potential Historic Property	Yes	Yes	No further management
8B2H-JS-05	Malheur	Historic: Canal	Unevaluated (No Status listed)	Access Road Changes in Malheur County	Existing Road, Substantial Modification, 21-70% Improvements	PV	a) Potential Historic Property	Yes	Yes	No further management
8B2H-DM-51	Malheur	Multicomponent: Lithic Scatter and Refuse Scatter	Unevaluated	Access Road Changes in Malheur County	New Road, Bladed	BLM, PV	a) Potential Historic Property; b) Archaeological site on private lands	No – potential physical impact	Yes	If avoidance not possible, testing/ eligibility evaluation needed.

Resource Number	County	Generalized Resource Description/ Resource Type	NRHP Recommendation	Project Route	Project Component	Land Ownership	Applicable EFSC Standard	Impact Avoided?	Resource Newly Considered	Management Comments
8B2H-ND-04	Malheur	Precontact: Lithic Scatter	Unevaluated	Access Road Changes in Malheur County	New Road, Bladed	BLM	a) Potential Historic Property	No – potential physical impact	Yes	If avoidance not possible, testing/eligibility evaluation needed.
35ML1674 (B2H-SA-33)	Malheur	Historic: Water Conveyance (Vines Ditch)	Eligible	Access Road Changes in Malheur County	Existing Road, Substantial Modification, 71-100% Improvements	BLM, PV	a) Potential Historic Property; b) Archaeological site on private lands	No – physical impact not significant with mitigation. Visual/auditory impacts not significant	No	If avoidance not possible, gravel will be placed over existing road through site to protect resource from physical impacts of existing road use.
35ML1675 (B2H-SA-32)	Malheur	Historic: Railroad	Eligible	Access Road Changes in Malheur County	Existing Road, Substantial Modification, 21-70% Improvements	PV	a) Potential Historic Property; b) Archaeological site on private lands	No – physical impact not significant with mitigation. Visual/auditory impacts not significant	No	If avoidance not possible, gravel will be placed over existing road through site to protect resource from physical impacts of existing road use.
35ML1678 (B2H-BS-77)	Malheur	Precontact: Lithic/Tool Scatter	Eligible	Access Road Changes in Malheur County	New Road, Bladed	BLM	a) Potential Historic Property	No – potential physical impact	Yes	If avoidance not possible, testing/eligibility evaluation needed.
35ML2203 (B2H-SA-39)	Malheur	Historic: Water Conveyance	Eligible	Access Road Changes in Malheur County	Existing Road, No Improvements Permitted	PV	a) Potential Historic Property; b) Archaeological site on private lands	Yes	Yes	No improvements of existing road permitted within 30 meters of site.
4B2H-EK-47	Malheur	Historic: Water Conveyance (Vale Oregon Main Canal Segment)	Unevaluated	Access Road Changes in Malheur County	New Road, Primitive	PV	a) Potential Historic Property	Yes	No	No further management.

BLM = Bureau of Land Management; EFSC = Energy Facility Siting Council; HPMP = Historic Properties Management Plan; HPRCSIT = Historic Property of Religious and Cultural Significance to Indian Tribes; NRHP = National Register of Historic Places; ODOT = Oregon Department of Transportation; PV = Private

¹ Eligibility evaluations can be found in confidential Attachments S-6 and S-10 of the Application for Site Certification (ASC) or, if not previously addressed in the ASC, the Initial Class III Intensive Inventory Report (Attachment 7-11), and/or the VAHP ILS report (Attachment 7-12).

² At ODOE's request, all newly considered resources have been added in redline to Attachment S-9: HPMP: Appendix A.1: Resource Inventory Tables with management Recommendations for Resources Potentially Protected under OAR 345-022-0090 from the ASC. This table is provided as Attachment 7-14.

7.1.8.3 Findings

For those resources subject to the Council's standards, the Historic Properties Management Plan (HPMP) will include the final impact analysis and mitigation proposals for Historic, Cultural, and Archaeological Resources based upon the field surveys and in coordination with the lead federal agencies. The impact analysis and mitigation obligations will be rectified based on the boundary probing, testing, evaluation, and final NRHP eligibility determinations for the sites listed in Table 7.1-16 and will be made by the lead federal agencies in consultation with the Oregon SHPO and consistent with the Programmatic Agreement (PA), for Section 106 compliance. The preconstruction surveys will be included in reports submitted to the Oregon SHPO and EFSC and the NRHP eligibility, effects to resources, and mitigation will be resolved prior to construction consistent with the Site Certificate Conditions.

7.1.8.4 Conclusion

Continued implementation of the following Site Certificate Conditions will ensure that impacts to historic, cultural, and archaeological resources will be minimized: GEN-HC-01 (avoid direct impacts to Oregon Trail/National Historic Trail resources), GEN-HC-02 (prepare HPMP prior to construction (by phase or segment), and CON-HC-01 (completion of a final Cultural Resources Report within three years of construction completion).

The proposed amendment makes no changes that will alter the basis for the Council's earlier findings, or its conclusion that the Project will not likely result in an adverse impact to any historical, cultural and archaeological resources in the analysis area, and therefore the Proposed Site Boundary Additions meet the requirement of the Historical, Cultural and Archaeological Resources Standard.

7.1.9 Recreation – OAR 345-022-0100

The Council previously concluded that the Project complies with the Recreation Standard.³¹ The updated Recreation Standard requires the Council to find that the design, construction, and operation of a facility, taking into account mitigation, will not likely result in significant, adverse impacts to important recreational opportunities, as defined by OAR 345-022-0100. Therefore, the Council's Recreation Standard applies to only those recreation areas that the Council deems important. Based on the Certificate Holder's review of recreation areas, there are 26 recreation areas located within 2 miles of RFA 1's proposed site boundary additions (analysis area), including one new recreation area (deemed an important recreation area) that was not previously addressed in the ASC (see Figure 7-19, and Attachment 7-15, Tables 1 and 2). Note that this analysis does not address the previously approved portions of the site boundary and solely addresses the proposed site boundary changes in RFA 1.

The significance of impacts on important recreation areas from direct or indirect loss of recreational opportunity, traffic, noise, visual viewshed alteration, and other impacts are disclosed in Exhibit T and the changes proposed by RFA 1 will not contribute any additional significant impacts to those already considered³² (see Figure 7-19 and Attachment 7-15, Tables 1 and 2 for a full description). No loss of opportunity is anticipated for the newly identified recreation area, the Glass Hill Preserve/State Natural Heritage Area, due to the probability of no

³¹ Boardman to Hemingway Transmission Line Application for Site Certificate - Final Order, p. 568 (September 2022)

³² Boardman to Hemingway Transmission Line Application for Site Certificate - Final Order, p. 546-568 (September 2022)

public access³³, otherwise, less than significant, temporary intermittent access delays during construction, and no long-term loss of opportunity; Any traffic impacts from construction experienced at the Glass Hill Preserve/State Natural Heritage Area, will be short term or negligible due to probable lack of public access, and operational impacts will remain negligible due to infrequent maintenance and inspections required at the Project; construction noise impacts will be temporary in duration and episodic, and minimal due to the location of where the recreation site is crossed or negligible due to probable lack of public access, and operational noise impacts will be intermittent (due to infrequent maintenance and inspections) or otherwise indistinguishable from existing background noise; and visual impacts will range from low intensity (i.e., structures will introduce mild visual contrast and appear subordinate against the landscape and existing infrastructure), to less than significant due to the probable lack of public access, views of the Project being peripheral and intermittent and mostly neutral or elevated vantage points, the localization of impacts, and no management for scenic quality (see Figure 7-20 and Attachment 7-15, Tables 1 and 2).

Continued implementation of the following Site Certificate Conditions will ensure that impacts to recreation areas will be minimized: GEN-RC-01 (Morgan Lake Park visual impact reduction), GEN-SR-03 (National Historic Oregon Trail Interpretive Center visual impact reduction), GEN-SR-04 (Birch Creek Area of Critical Environmental Concern visual impact reduction), GEN-HC-02 (implementation of Historic Properties Management Plan), PRE-PS-02 (traffic management and control measure implementation), and GEN-PS-01 (controlled helicopter use within two-miles of protected or recreation areas).

The changes proposed in RFA 1 do not alter the basis for the Council's earlier findings, or its conclusion that the Project will not likely result in a significant adverse impact to any Recreation Areas in the analysis area. Therefore, the Proposed Site Boundary Additions meet the requirement of the Recreation Areas Standard.

³³ Information on access obtained through a personal communication between Kristen Gulick, Tetra Tech, and Lindsey Wise, Oregon State University, Institute for Natural Resources, July 13, 2022, and Meghan Ballard, Blue Mountains Conservancy, July 23, 2022.

7.1.10 Wildfire Prevention and Risk Mitigation – OAR 345-022-0115

OAR 345-022-115 Wildfire Prevention and Risk Mitigation

(1) To issue a site certificate, the Council must find that:

(a) The applicant has adequately characterized wildfire risk within the analysis area using current data from reputable sources, by identifying:

(A) Baseline wildfire risk, based on factors that are expected to remain fixed for multiple years, including but not limited to topography, vegetation, existing infrastructure, and climate;

(B) Seasonal wildfire risk, based on factors that are expected to remain fixed for multiple months but may be dynamic throughout the year, including but not limited to, cumulative precipitation and fuel moisture content;

(C) Areas subject to a heightened risk of wildfire, based on the information provided under paragraphs (A) and (B) of this subsection;

(D) High-fire consequence areas, including but not limited to areas containing residences, critical infrastructure, recreation opportunities, timber and agricultural resources, and fire-sensitive wildlife habitat; and

(E) All data sources and methods used to model and identify risks and areas under paragraphs (A) through (D) of this subsection.

(b) That the proposed facility will be designed, constructed, and operated in compliance with a Wildfire Mitigation Plan approved by the Council. The Wildfire Mitigation Plan must, at a minimum:

(A) Identify areas within the site boundary that are subject to a heightened risk of wildfire, using current data from reputable sources, and discuss data and methods used in the analysis;

(B) Describe the procedures, standards, and time frames that the applicant will use to inspect facility components and manage vegetation in the areas identified under subsection (a) of this section;

(C) Identify preventative actions and programs that the applicant will carry out to minimize the risk of facility components causing wildfire, including procedures that will be used to adjust operations during periods of heightened wildfire risk;

(D) Identify procedures to minimize risks to public health and safety, the health and safety of responders, and damages to resources protected by Council standards in the event that a wildfire occurs at the facility site, regardless of ignition source; and

(E) Describe methods the applicant will use to ensure that updates of the plan incorporate best practices and emerging technologies to minimize and mitigate wildfire risk.

(2) The Council may issue a site certificate without making the findings under section (1) if it finds that the facility is subject to a Wildfire Protection Plan that has been approved in compliance with OAR chapter 860, division 300.

(3) This Standard does not apply to the review of any Application for Site Certificate or Request for Amendment that was determined to be complete under OAR 345-015-0190 or 345-027-0363 on or before the effective date of this rule.

IPC has prepared a Wildfire Mitigation Plan (Attachment 7-16) that has been filed with the Public Utility Commission of Oregon in compliance with OAR chapter 860, division 300. This plan would apply to the entire Project, including the proposed changes in RFA 1. Therefore, the Council may conclude that the Proposed Site Boundary Additions comply with OAR 345-022-0115(2) as they are subject to a wildfire protection plan approved by the Public Utility Commission.

7.2 Other Standards and Laws

7.2.1 Noise Control Regulations – OAR 340-035-0035

The Project Order requires an analysis of the Project's compliance with the Oregon Noise Regulations at OAR 340-035-0035.³⁴

7.2.1.1 Methods

OAR 345-021-0010(1)(x)(B): An analysis of the proposed facility's compliance with the applicable noise regulations in OAR 340-035-0035, including a discussion and justification of the methods and assumptions used in the analysis.

To demonstrate compliance with the Oregon Department of Environmental Quality (ODEQ) Noise Rules, IPC conducted an acoustic analysis of the Proposed Site Boundary Additions using the same multistep process that was used in the ASC and approved by the Council in the Final Order.³⁵

Monitoring Point (MP) and representative acoustic environments were provided in ASC Exhibit X Attachments X-2 and X-3 including aerial imagery maps supporting review of proximate noise sources (e.g. road/highways, railroads, transmission lines, and creeks), topography (e.g. hilly, flat) and land cover type (e.g. agriculture, forested, bare ground and low vegetation). Similarly, the Department reviewed aerial imagery maps presenting NSR location along with proximate noise sources and topography as provided in ASC Exhibit X Attachment X-5. Based on the Department's review of acoustic environments of MPs compared to the respective NSR groups the acoustic environment of the MP represent locations with similar noise sources but located at greater distances than NSRs to noise sources and therefore a more conservative and acceptable ambient noise level for use in the evaluation of compliance with the DEQ noise rules. The Proposed Site Boundary Additions are minor and do not alter the previous determined representative monitoring points for the NSRs associated with the proposed reroutes.

7.2.1.2 Construction, Regular Maintenance, and Helicopter Noise

OAR 340-035-0035(5): Exemptions: Except as otherwise provided in subparagraph (1)(b)(B)(ii) of this rule, the rules in section (1) of this rule shall not apply to: . . . (g) Sounds that originate on construction sites. (h) Sounds created in construction or maintenance of capital equipment; . . . (h) Sounds created in . . . maintenance of capital equipment; . . . (j) Sounds generated by the operation of aircraft and subject to pre-emptive federal regulation. This exception does not apply to aircraft engine testing, activity conducted at the airport that is not directly related to flight

³⁴ Boardman to Hemingway Transmission Line Application for Site Certificate – Second Amended Project Order, p. 21 (July 2018); see also OAR 345-021-0010(1)(y)(B) (requiring the same).

³⁵ Boardman to Hemingway Transmission Line Application for Site Certificate – Final Order at pp. 673-76.

operations, and any other activity not pre-emptively regulated by the federal government or controlled under OAR 340-035-0045;

The Council previously found that noise resulting from Project's construction activities, regular maintenance activities, and helicopter operations is exempt from the Oregon Noise Regulations at OAR 340-035-0035(1).³⁶ Because the Proposed Site Boundary Changes will involve the same construction, maintenance, and helicopter activities previously evaluated, the Council may rely on its previous findings that those activities are exempt from the relevant Oregon Noise Regulations.

7.2.1.3 Corona Noise

7.2.1.3.1 Maximum Allowable Noise Standard

OAR 340-035-0035(1)(b)(B)(i): No person owning or controlling a new industrial or commercial noise source located on a previously unused industrial or commercial site shall cause or permit the operation of that noise source if the noise levels generated or indirectly caused by that noise source . . . exceed the levels specified in Table 8, as measured at an appropriate measurement point, as specified in subsection (3)(b) of this rule, except as specified in subparagraph (1)(b)(B)(iii).

Under the maximum allowable noise standard, a new industrial or commercial noise source to be located on a previously unused site may not exceed the noise levels specified in Table 8 of the noise rules. The maximum allowable L₅₀ sound level standard relevant to the Project is 50 A-weighted decibels (dBA). The Council previously found that IPC sufficiently demonstrated that the maximum sound level resulting from corona noise in a "worse-case scenario" (that is, during foul weather) will be no greater than 46 dBA, and accordingly, the Council found that the Project would be in compliance with the maximum allowable sound level standard identified in OAR 340-035-0035(1)(b)(B)(i).³⁷ As shown in Table 7.2-1, the Proposed Site Boundary Additions will result in maximum sound levels no greater than 37 dBA, which is less than the 46 dBA previously considered by the Council. Thus, the Council may rely on its previous findings that the Project complies with maximum allowable noise standard in OAR 340-035-0035(1)(b)(B)(i) and Table 8.

7.2.1.3.2 Ambient Antidegradation Standard

OAR 340-035-0035(1)(b)(B)(i): No person owning or controlling a new industrial or commercial noise source located on a previously unused industrial or commercial site shall cause or permit the operation of that noise source if the noise levels generated or indirectly caused by that noise source increase the ambient statistical noise levels, L10 or L50, by more than 10 dBA in any one hour . . . as measured at an appropriate measurement point, as specified in subsection (3)(b) of this rule, except as specified in subparagraph (1)(b)(B)(iii).

The ambient antidegradation standard under OAR 340-035-0035(1)(b)(B)(i) allows a maximum increase in ambient statistical noise of 10 dBA, as measured at an "appropriate measurement point" from noise generated from a new industrial source. "Appropriate measurement point" is defined in -0035(3)(B) as a point on the noise sensitive property (also referred to as noise-

³⁶ Final Order at pp. 655-57. As described in the Final Order, the Department engaged its consultant, Golder Associates Inc. (Golder), to evaluate IPC's methodologies for conducting baseline surveys and identifying the frequency of foul weather. Golder found that IPC's methodologies were sound. See Final Order at p. 676.

³⁷ Final Order at p. 679.

sensitive receptor [NSR]) nearest to the noise source. The Council previously found that foul weather corona noise from the Project may exceed the ambient antidegradation standard during low wind, late night (midnight to 5 a.m.) conditions.³⁸ However, the Council granted the Project an exception and a variance to compliance with the ambient antidegradation standard with respect to corona noise, and found that the Project otherwise complies with the Noise Control Regulations.³⁹

7.2.1.3.3 Potential Exceedances of the Ambient Antidegradation Standard

For the Proposed Site Boundary Additions, IPC used the same methods that the Council previously reviewed and approved, comparing baseline ambient sound levels to the modeled predicted future sound levels at potentially affected NSRs. For the baseline ambient sound levels, IPC relied on the baseline monitoring positions and related sound data previously reviewed and approved by the Council. IPC identified the potentially affected NSRs using the same approach previously reviewed and approved by the Council—that is, IPC analyzed (a) all NSRs within 1/2 mile of the transmission line; and (b) NSRs out to one mile in areas where the late-night baseline sound level was unusually low (i.e., less than 26 dBA). IPC then compared the ambient baseline sound levels with the predicted future sound levels at the potentially affected NSRs.

IPC identified two potentially affected NSRs: one NSR near the Little Juniper Canyon Alternative (NSR 3), one NSR related to the True Blue Gulch Alternative (NSR 5010), and no NSRs related to the Durbin Quarry Alternative.⁴⁰ The results of the analysis indicate that during typical fair weather conditions, the Proposed Site Boundary Additions will comply with the ambient antidegradation standard. However, a potential increase of more than 10 dBA above the L₅₀ baseline may occur at NSR 3 during foul weather in low wind, late night conditions. Table 7.2-1 presents the foul weather analysis at the two NSRs evaluated by IPC. Figures 7-21 and 7-22 show the orientation of the two NSRs in relation to the Proposed Site Boundary Additions. Attachment 7-17 includes information needed to include these two NSRs in Attachment X-4 of the Final Order.

³⁸ Final Order at p. 679.

³⁹ Final Order at p. 699.

⁴⁰ For the Little Juniper Canyon Alternative, IPC identified the potentially affected NSRs within 1/2 mile of the Proposed Site Boundary Additions. For the True Blue Gulch Alternative, IPC identified the potentially affected NSRs within one mile, rather than 1/2 mile, of the Proposed Site Boundary Additions, because the ambient late night baseline sound level associated with the relevant monitoring point was less than 26 dBA.

Table 7.2-1. Summary of Acoustic Modeling Results for the Proposed Site Boundary Additions

NSR Number	Distance from NSR to Transmission Line (feet)	Nearest Milepost	Related Alternative	Associated Monitoring Point (MP)	Late Night Baseline Sound Pressure Level (dBA)	Predicted Future Sound Level (Foul Weather) (dBA)	Increase (dBA)
3	1,845	17.9	Little Juniper Canyon Alternative	MP05	27	35	+8
5010	2,698	174.2	True Blue Gulch Alternative	MP35	24	37	+13

7.2.1.3.4 Exception to Ambient Antidegradation Standard

OAR 340-035-0035(6): Exceptions: Upon written request from the owner or controller of an industrial or commercial noise source, the Department may authorize exceptions to section (1) of this rule, pursuant to rule 340-035-0010, for: (a) Unusual and/or infrequent events;

A potential increase of more than 10 dBA above the ambient baseline sound levels may occur at one of the potentially affected NSRs during infrequent periods representative of foul weather conditions. The Council previously granted the Project an exception from compliance with the ambient antidegradation standard due to unusual or infrequent foul weather events, as authorized under OAR 345-035-0035(6)(a), subject to the Noise Control Conditions described in the Final Order.⁴¹ Because the Project has already received an exception, IPC does not need to request a separate exception from the Council to address the exceedance related to the Proposed Site Boundary Additions.

In addition, or in the alternative, IPC notes that the same NSR exceedance identified here was previously considered by the Council as part of its decision to grant the Project an exception—NSR 5010 was one of the NSR exceedances presented in the ASC,⁴² considered in the Final Order,⁴³ and contemplated in the Site Certificate Conditions.⁴⁴ Furthermore, the predicted noise impacts related to the Proposed Site Boundary Additions (+13 dBA) will be less than the predicted impact the Council approved in the Final Order (+17 dBA).⁴⁵ Indeed, IPC worked with the property owner of NSR 5010 to locate the Proposed Site Boundary Additions along the edge of their property, in part, to minimize the noise impacts; and the NSR property owner and IPC have mutually agreed that the Proposed Site Boundary Additions on their property are acceptable. Therefore, because the Council previously considered noise impacts to NSR 5010 as part of its decision to grant the Project an exception and the impacts under the Proposed Site Boundary Additions are less than those previously considered by the Council, the Council may

⁴¹ See Final Order at p. 682.

⁴² ASC, Exhibit X, Table X-5, Figure X-8, and at pp. X-33 and X-52.

⁴³ Final Order at Table NC-4 and at p. 692.

⁴⁴ Final Order, Attachment 1, Site Certificate at 40 (Noise Control Condition 1).

⁴⁵ See Final Order, Table NC-4.

rely on its previous findings and conclusions, which continue to support granting the Project an exception from compliance with the ambient antidegradation standard as it relates to NSR 5010 and the Proposed Site Boundary Additions.

7.2.1.3.5 Variance to Ambient Antidegradation Standard

The Council previously granted the Project a variance from compliance with the ambient antidegradation standard under OAR 345-035-0100(1), finding strict compliance would be inappropriate due to conditions beyond IPC's control, special circumstances and physical conditions would render strict compliance unreasonable, and strict compliance would prohibit the Project from being built.⁴⁶ Because the Project has already received a variance, IPC does not need to request a separate variance from the Council to address the exceedance related to the Proposed Site Boundary Additions.

And similar to the discussion related to the exception, because the Council previously considered noise impacts to NSR 5010 as part of its decision to grant the Project a variance and the impacts under the Proposed Site Boundary Additions are less than those previously considered by the Council, the Council may rely on its previous findings and conclusions, which continue to support granting the Project a variance from compliance with the ambient antidegradation standard as it relates to NSR 5010 and the Proposed Site Boundary Additions.

7.2.1.4 Quiet Areas

OAR 340-035-0035(1)(c): Quiet Areas. No person owning or controlling an industrial or commercial noise source located either within the boundaries of a quiet area or outside its boundaries shall cause or permit the operation of that noise source if the statistical noise levels generated by that source exceed the levels specified in Table 9 as measured within the quiet area and not less than 400 feet (122 meters) from the noise source.

There are no ODEQ-designated "quiet areas" within the Proposed Site Boundary Additions or within the vicinity of the Project. Therefore, the Project will be in compliance with OAR 340-035-0035(c).

7.2.1.5 Impulse Sound

OAR 340-035-0035(1)(d): Impulse Sound. Notwithstanding the noise rules in Tables 7 through 9, no person owning or controlling an industrial or commercial noise source shall cause or permit the operation of that noise source if an impulsive sound is emitted in air by that source which exceeds the sound pressure levels specified below, as measured at an appropriate measurement point, as specified in subsection (3)(b) of this rule: (A) Blasting. 98 dBC, slow response, between the hours of 7 a.m. and 10 p.m. and 93 dBC, slow response, between the hours of 10 p.m. and 7 a.m. (B) All Other Impulse Sounds. 100 dB, peak response, between the hours of 7 a.m. and 10 p.m. and 80 dB, peak response, between the hours of 10 p.m. and 7 a.m.

OAR 340-035-0035(1)(d) applies to blasting and other impulse sounds resulting from the "operation" of noise sources. Here, while the Project may include certain blasting or other impulse sounds, those sounds will occur during construction and not operation of the Project. Accordingly, the Project will be in compliance with OAR 340-035-0035(1)(d).

⁴⁶ See Final Order at pp. 696-99.

7.2.1.6 Measures to Reduce Noise Levels or Noise Impacts, or to Address Complaints

OAR 345-021-0010(1)(x)(C): Any measures the applicant proposes to reduce noise levels or noise impacts or to address public complaints about noise from the facility.

IPC is not proposing any changes to the Noise Control conditions set forth in the Final Order, which would apply to the Proposed Site Boundary Additions.⁴⁷

7.2.1.7 Monitoring

OAR 345-021-0010(1)(x)(D): Any measures the applicant proposes to monitor noise generated by operation of the facility.

IPC is not proposing any changes to the Noise Control conditions set forth in the Final Order, which would apply to the Proposed Site Boundary Additions.⁴⁸

7.2.1.8 List of Noise Sensitive Properties

OAR 345-021-0010(1)(x)(E): A list of the names and addresses of all owners of noise sensitive property, as defined in OAR 340-035-0015, within one mile of the proposed site boundary.

Per the Second Amended Project Order, the list of NSR owners must include all owners of NSRs within one-half mile, and not one mile, of the Site Boundary.⁴⁹ Refer to Exhibit F, Attachment F-1, for a list of the names and addresses of all owners of NSRs within one-half mile from the Proposed Site Boundary Additions.

7.2.2 Removal-Fill Law

The Oregon Removal-Fill Law (ORS 196.795 through ORS 196.990) and Oregon Department of State Lands regulations (OAR 141-085-0500 through OAR 141-085-0785) require a removal-fill permit if 50 cubic yards or more of material is removed, filled, or altered within many “waters of the state.” For activities in ESH streams, State Scenic Waterways and compensatory mitigation sites, a permit is required for any amount of removal or fill.

As detailed in Exhibit J of the ASC, a removal-fill permit is required for the Project. The information provided in Section 5.3 of this RFA 1 will be incorporated into an updated wetland delineation report for the proposed changes per condition PRE-RF-01. An updated removal-fill permit is required prior to construction and IPC will comply with procedures in all removal-fill conditions included in the permit per conditions GEN-RF-03 and GEN-RF-04.

IPC will incorporate the changes proposed in RFA 1 in a revised Joint Permit Application per condition PRE-RF-02 including a final Site Rehabilitation Plan (condition GEN-RF-01) and final Compensatory Wetland and Non-Wetland Mitigation Plan (Condition GEN-RF-02).

Therefore, the Proposed Site Boundary Additions do not significantly alter the prior analysis and the Proposed Site Boundary Additions will comply with the Oregon Removal-Fill Law.

⁴⁷ See Final Order, Attachment 1, Site Certificate at 40-44 (Noise Control Conditions 1 and 2).

⁴⁸ See Final Order, Attachment 1, Site Certificate at 40-44 (Noise Control Conditions 1 and 2).

⁴⁹ See Second Amended Project Order, Section III(x); Final Order at 673.

8 PROPERTY OWNERS OF RECORD – OAR 345-027-0360(1)(F)

OAR 345-027-0360(1)(f): A list of the names and mailing addresses of property owners, as described in this rule:

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

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

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

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

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

A property owner list applicable to this RFA 1 is provided in Attachment 8-1 and the notification area is shown on Figure 8-1. Parcel data from each county crossed was received by IPC on the following dates:

- Morrow County, April 7, 2023
- Umatilla County, April 24, 2023
- Union County, April 19, 2023
- Baker County, April 25, 2023
- Malheur County, April 24, 2023

9 CONCLUSION

Based on the information provided in this submittal, IPC has demonstrated that the Proposed Site Boundary Additions will comply with the requirements of the Oregon Energy Facility Site Statutes, ORS 469.300 to 469.520, with all other Oregon statutes and administrative rules applicable to the amendment of the Site Certificate that are within the Council's jurisdiction, and that the existing Site Certificate conditions ensure that the Facility will continue to comply with the applicable laws, standards, and rules. For these reasons, IPC respectfully requests approval of RFA 1.

10 REFERENCES

Baker County. 2020. Baker County Zoning and Subdivision Ordinance. 1984-June 2014. Last amended 2020.

BLM (Bureau of Land Management). 2022. BLM GeoBOB Flora and Fauna Sites Polygon and Weed Infestation Locations. GIS Data. Received April 29, 2022.

- King, Erin, Stephen R. Anderson, Jenna Farrell, Lara Rooke, Sydni Kitchel, Lynn Peterson, Brady Berger, Jennifer Lemminger, Jessica DeMaso, Andrew Lambert, and Mary Connell. 2023. *Boardman to Hemingway Transmission Line Project, Initial Class III Intensive Level Cultural Resources Survey, Morrow, Umatilla, Union, Baker, and Malheur Counties, Oregon*. Tetra Tech, Inc., Golden, Colorado. Prepared for Idaho Power Company, Boise, Idaho, for submittal to US Bureau of Land Management, Vale District Office. BLM Report #VD-22-01. SHPO Project #08-2232.
- Malheur County. 2021. Malheur County Code. First adopted November 2, 1983. Last amended May 18, 2021.
- Morrow County. 2017. Morrow County Zoning Ordinance. First adopted 1980. Last amended March 6, 1985, amended and readopted in its entirety on November 7, 2001, with recent substantive amendments adopted on July 5, 2017 and October 31, 2017.
- Morrow County. 1986. Morrow County, Oregon Comprehensive Plan. Acknowledged by the LCDC January 30, 1986. Morrow County Planning Department. Heppner, Oregon.
- NRCS (Natural Resources Conservation Service). 2011. U.S. General Soil Map (STATSGO2). Available online at: <http://soildatamart.nrcs.usda.gov> (Accessed 08/2022).
- ODA (Oregon Department of Agriculture). 2022. About the Plants. Oregon's threatened, endangered, and candidate plants. Available online at: <https://www.oregon.gov/oda/programs/PlantConservation/Pages/AboutPlants.aspx>
- ODFW (Oregon Department of Fish and Wildlife). 2021a. Oregon Department of Fish and Wildlife Sensitive Species List. Available online at: https://www.dfw.state.or.us/wildlife/diversity/species/docs/Sensitive_Species_List.pdf
- ODFW. 2021b. Threatened, Endangered, and Candidate Fish and Wildlife Species in Oregon. October. Available online at: https://www.dfw.state.or.us/wildlife/diversity/species/docs/Threatened_and_Endangered_Species.pdf
- OPRD (Oregon Parks and Recreation Department). 2020. Oregon Natural Areas Plan. Available online at: https://inr.oregonstate.edu/sites/inr.oregonstate.edu/files/2020_nap_draft.pdf.
- ORBIC (Oregon Biodiversity Information Center). 2022. Element Occurrence Polygons. GIS Data. Received February 17, 2022.
- StreamNet. 2022. Fish distribution data – All species combined. Accessed May 2022. Available online at: <https://www.streamnet.org/home/data-maps/gis-data-sets/>
- Umatilla County. 2022. Umatilla County Comprehensive Plan. First adopted 1983. Last amended June 1, 2022. Available online at: https://umatillacounty.gov/fileadmin/user_upload/Planning/Umatilla_County_Comp_Plan_6-01-2022_Reduced.pdf
- Umatilla County. 2022. Umatilla County Development Code. First adopted 1983. Last amended June 1, 2022.
- Union County. 2015. Union County Zoning, Partition, and Subdivision Ordinance. First adopted November 2, 1983. Last amended 2015.
- USFS (U.S. Department of Agriculture, Forest Service). 2018. Record of Decision. Boardman to Hemingway Transmission Line Project and Forest Plan Amendments, Wallowa-Whitman National Forest, Union County, Oregon. November. Available online at: <https://www.fs.usda.gov/project/?project=26709>

USFS. 2022. Invasive species; threatened and endangered and sensitive plants; and wildlife observations. Wallow-Whitman and Umatilla National Forests. GIS Data. Received March 04, 2022.

USGS (U.S. Geological Survey). 2011. Gap Analysis Project (GAP). Land Cover Data for the State of Oregon. GIS data. Available online at: <https://www.usgs.gov/programs/gap-analysis-project/science/land-cover-data-download>

FIGURES

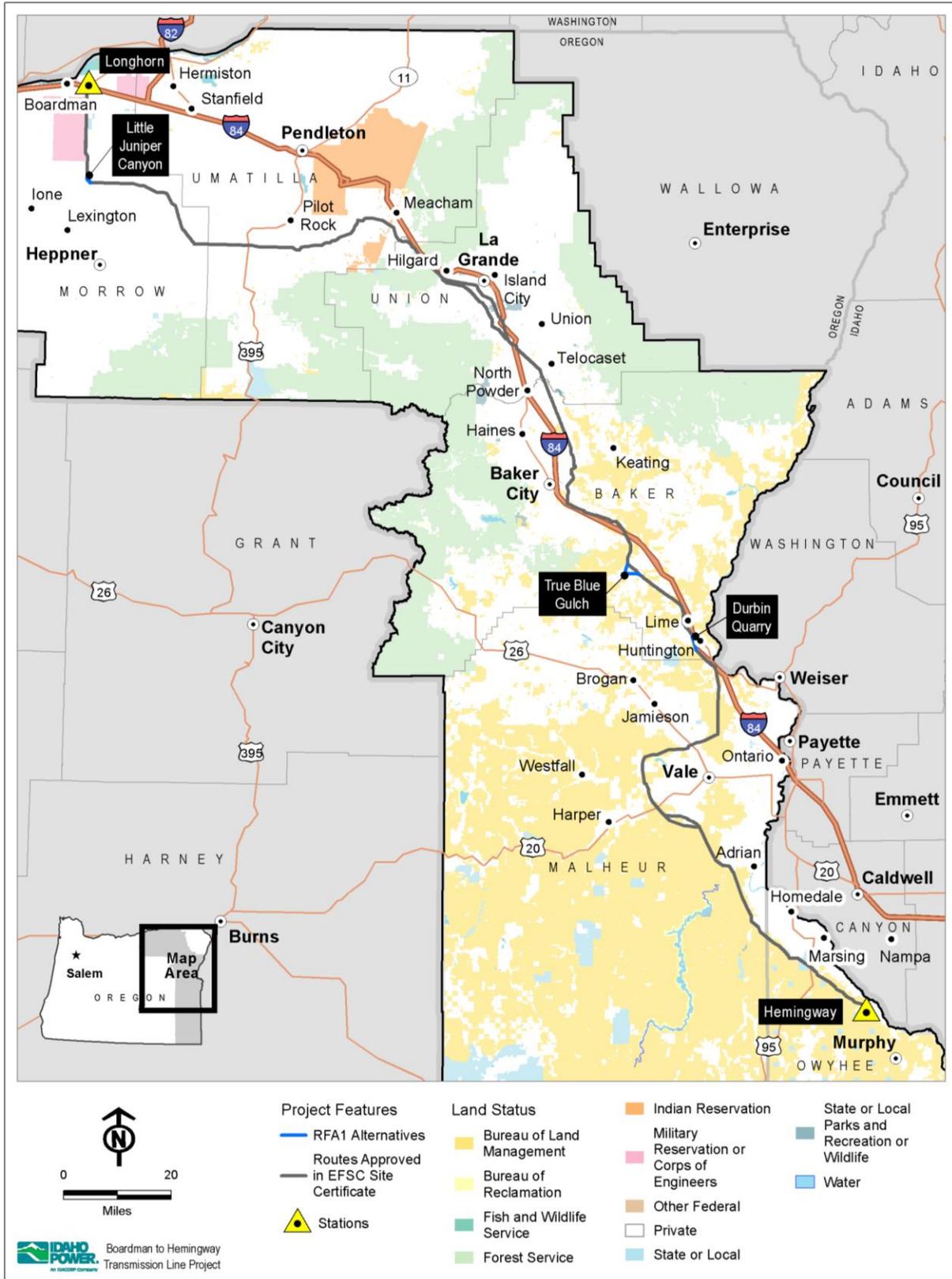


Figure 1-1. Project Overview

Attachment 4-1. RFA Supplement to Final Order Attachment B-5 Appendix A

Attachment 6-1. Red-lined Site Certificate

Attachment 7-1. Soil Properties by Soil Map Unit

Attachment 7-2. Identification, Assessment, and Visual Analysis of Protected Areas

**Attachment 7-3. 2022 Washington
Ground Squirrel Survey Report
(Confidential)**

**Attachment 7-4. 2021 and 2022
Terrestrial Visual Encounter Survey
(Wildlife) Report (**Confidential**)**

Attachment 7-5. 2022 Pygmy Rabbit Survey Report

Attachment 7-6. 2022 Special Status Plants Survey Report

Attachment 7-7. 2022 Noxious Weed Surveys

Attachment 7-8. Interim Report: 2022- 2023 Pre-Construction Avian Surveys for the Boardman to Hemingway Project

Attachment 7-9. Redline Attachment P1-6 Habitat Mitigation Plan

Attachment 7-10. Scenic Resource Analysis

Attachment 7-11. Initial Class III Report

Attachment 7-12. Oregon Visual Assessment of Historic Properties Report

Attachment 7-13. Project Alignment Maps with Intensive Level Survey Resources

Attachment 7-14. Redline Attachment S-9 Inventory Tables

Attachment 7-15. Recreational Opportunities in the Analysis Area and Importance Assessment

Attachment 7-16. Wildfire Mitigation Plan

Attachment 7-17. RFA 1 Potential Noise Receptor Locations and Supplement to Final Order Attachment X-4

Attachment 8-1. Property Owners of Record