

Legend

SITE BOUNDARY

Preliminary Site Layout

LIMITS OF DISTURBANCE

PV MODULES

SUBSTATION & BESS AREA

BESS PCS

INVERTERS

ROADS

ROAD CROSSING IMPACTS

EXISTING OVERHEAD LINE

Waters of the U.S. & State Waters

STREAMS (JURISDICTIONAL)

STREAMS (NON-JD)

WETLANDS (JURISDICTIONAL)

WETLANDS (NON-JD)

OPEN WATER (JURISDICTIONAL)

OPEN WATER (NON-JD)

NPDES BUFFER (25')

FEMA FLOOD ZONE A (100-year)

NOTES:

An approved jurisdictional determination was received on December 6, 2024 [redacted] Solar arrays and associated infrastructure will avoid direct impacts to WOTUS. Road and cable crossings of aquatic resources will be minimized to the greatest extent practicable.

Ten (10) road crossings are anticipated to impact WOTUS. Each crossing is expected to fall under the 0.5-acre stream/wetland NWP threshold.

During field surveys, potentially suitable habitat for tricolored bat was identified within forested areas. Due to timber harvesting operations, the only remaining forested conditions exist along riparian corridors and roadways. The project intends to comply with USFWS tree clearing restrictions for bat species.

Potentially suitable habitat for monarch butterfly was identified in herbaceous areas. The project intends to implement pollinator habitat within the project boundaries in collaboration with Auburn University to mitigate monarch butterfly habitat loss.

Buffers of 25' to all applicable jurisdictional aquatic resources will be implemented during construction. Where 25' buffers cannot be maintained, additional BMPs will be implemented.

Impacts to WOTUS will be avoided by solar arrays.

Most tricolored bat habitat has been cleared for timber harvesting operations. Only remaining forested habitat suitable for bat species remains along riparian corridors and roadways.

Potentially suitable monarch butterfly habitat exists throughout herbaceous areas.

An anticipated ten (10) road crossings will impact WOTUS.

Existing 115kV electric overhead transmission lines are owned by [redacted] and [redacted] Cooperative.

Property line has a setback of 100' from interstate ROW.

Environmental Constraints Map

December 2024

1 inch = 1,000 feet

Legend

SITE BOUNDARY

ROADS

ROAD CROSSING IMPACTS

WETLANDS (JURISDICTIONAL)

WETLANDS (NON-JD)

STREAMS (JURISDICTIONAL)

STREAMS (NON-JD)

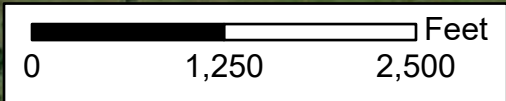
OPEN WATER (JURISDICTIONAL)

OPEN WATER (NON-JD)

NPDES BUFFER (25')



Crossing Number	Resource Type	Resource Width (ft)	Impact w/ 20' Wide Road (sq ft)
1	Stream	5	100
2	Wetland	10	200
3	Wetland	120	2,400
4	Wetland	170	3,400
5	Wetland	9	180
6	Stream	5	100
7	Wetland	24	480
8	Wetland	26	520
9	Wetland	14	280
10	Stream	4	80
TOTAL			7,740



Road
Crossing
Impacts



December 2024

1 inch = 1,250 feet

