





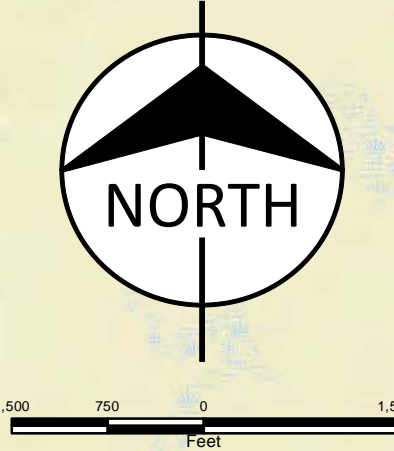









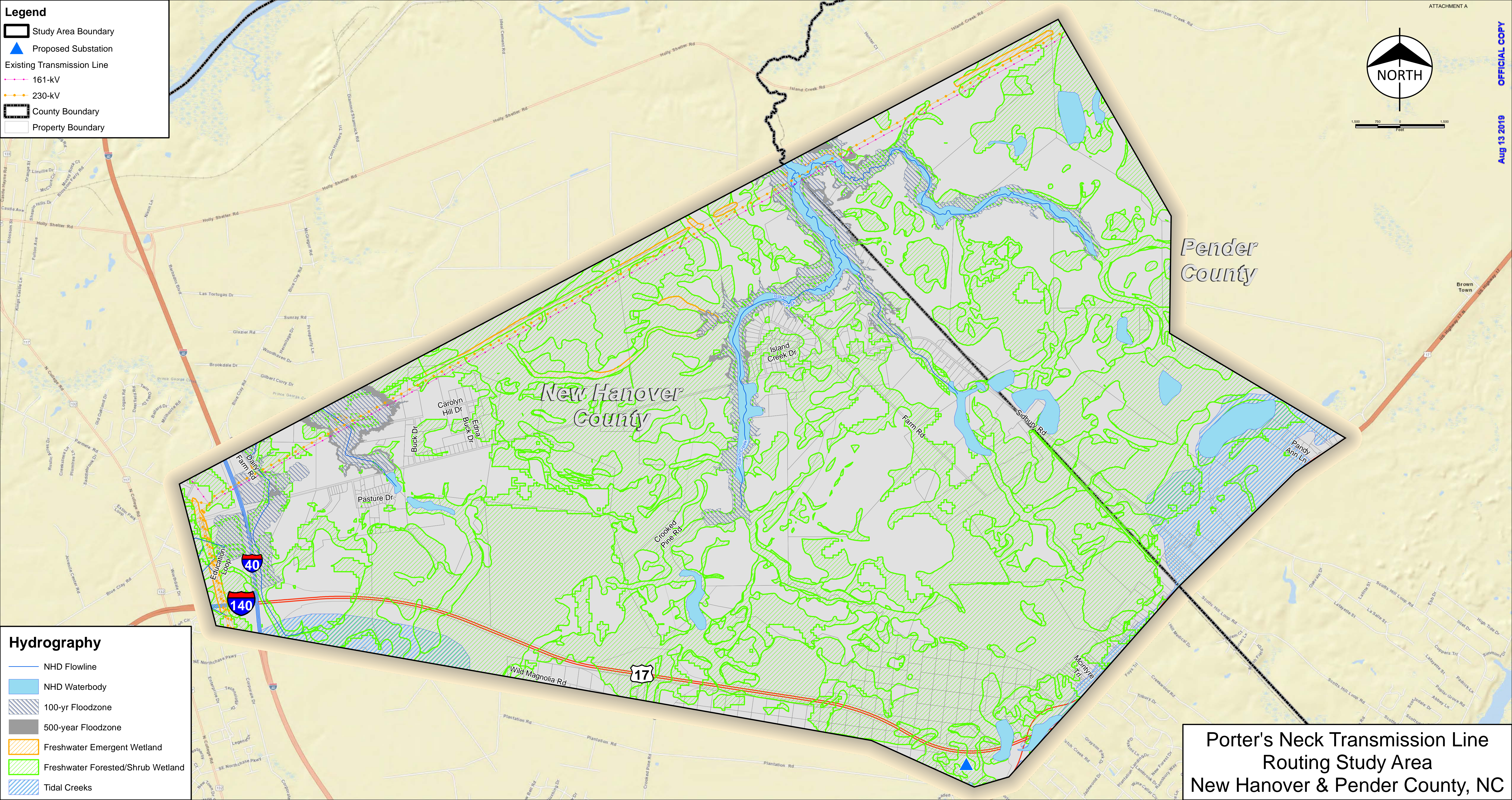
Legend

-  Study Area Boundary
-  Proposed Substation
- Existing Transmission Line
 -  161-kV
 -  230-kV
-  County Boundary
-  Property Boundary



Hydrography

-  NHD Flowline
-  NHD Waterbody
-  100-yr Floodzone
-  500-year Floodzone
-  Freshwater Emergent Wetland
-  Freshwater Forested/Shrub Wetland
-  Tidal Creeks



Pender County

New Hanover County

**Porter's Neck Transmission Line
Routing Study Area
New Hanover & Pender County, NC**



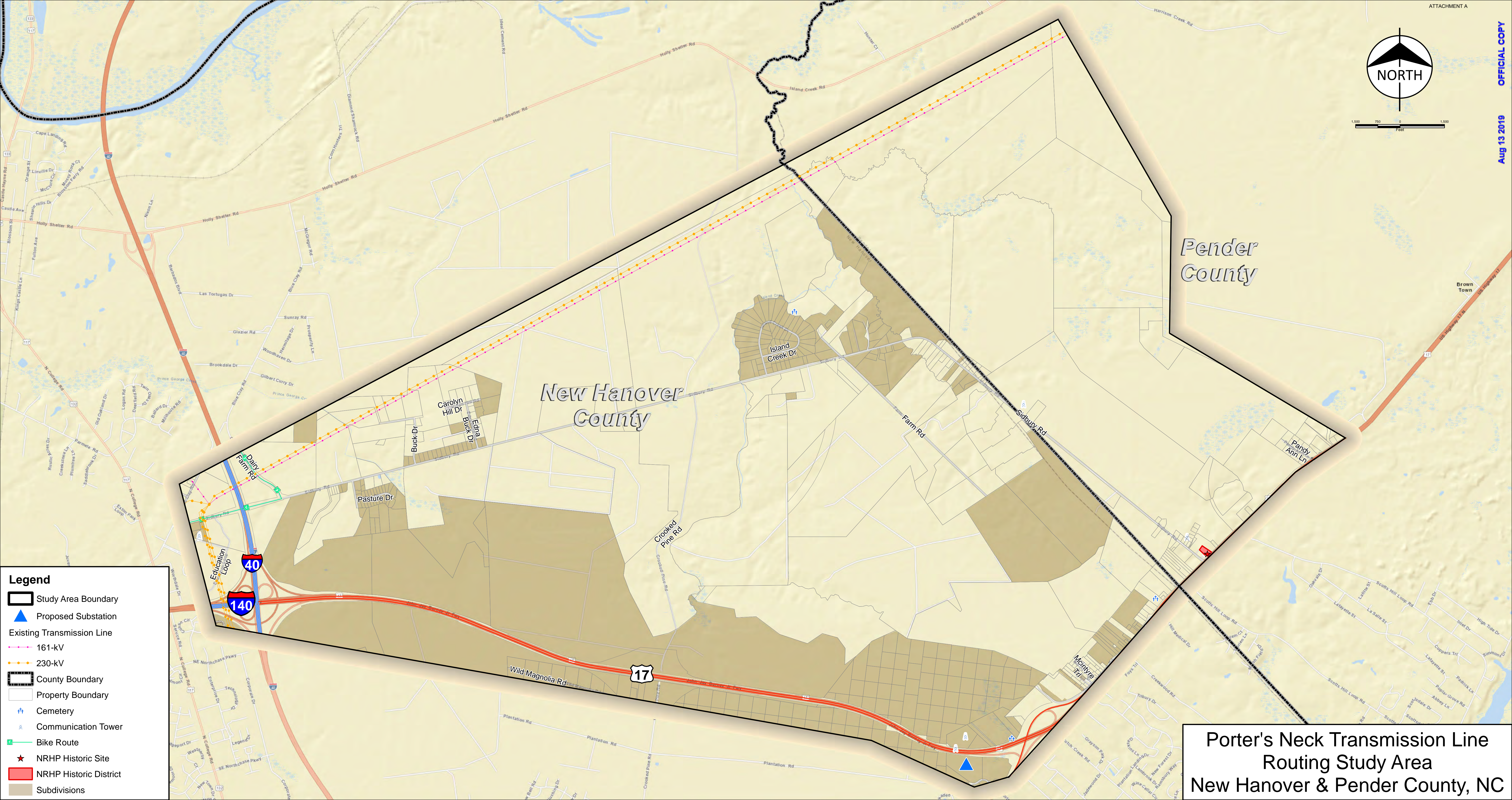
Pender County

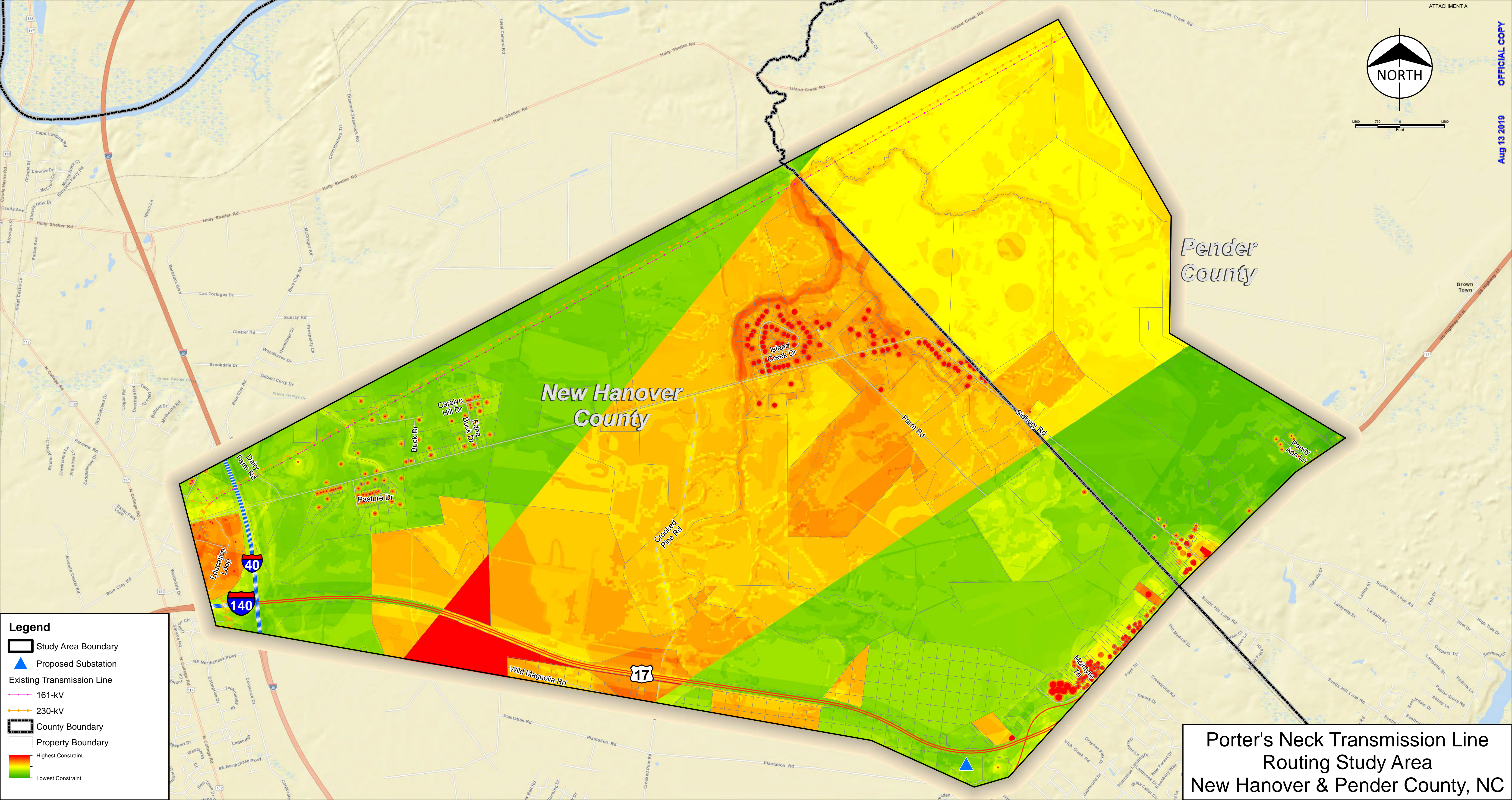
New Hanover County

Porter's Neck Transmission Line
Routing Study Area
New Hanover & Pender County, NC

Legend

- Study Area Boundary
- Proposed Substation
- Existing Transmission Line
 - 161-kV
 - 230-kV
- County Boundary
- Property Boundary
- Cemetery
- Communication Tower
- Bike Route
- NRHP Historic Site
- NRHP Historic District
- Subdivisions





Pender County

New Hanover County

Porter's Neck Transmission Line
Routing Study Area
New Hanover & Pender County, NC

Legend

- Study Area Boundary
- Proposed Substation
- Existing Transmission Line
- 161-kV
- 230-kV
- County Boundary
- Property Boundary
- Highest Constraint
- Lowest Constraint

Transmission – Public Engagement
NCRH 05 | 401 S. Wilmington Street
Raleigh, NC 27601
duke-energy.com

<Date>
<Contact 1>
<Contact 2>
<Street Address>
<City, State Zip>

Strengthening the electric power system to meet your community's future energy needs

Dear Community Member and Property Owner:

Duke Energy invites you to the Wilmington NE Reliability Project open house to discuss potential routes for a new transmission line north and west of U.S. Highway 17 in New Hanover and Pender counties. Please refer to the enclosed map.

Open House Details

Tuesday, January 22, 2019 | 4-7 p.m.
Scotts Hill Baptist Church | 185 Scotts Hill Loop Road | Wilmington, N.C.

The first community workshop was held July 26, 2018, to gather information from residents and business owners who live and work in the area. This information was used to identify potential line segments.

During the January 22 open house, maps of the potential line routes will be available for your review. Representatives from Duke Energy will be available to discuss the routing study process, how the final route will be selected and construction and operation of the future line. They will address your questions and listen to any feedback you are willing to share.

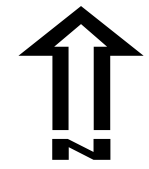
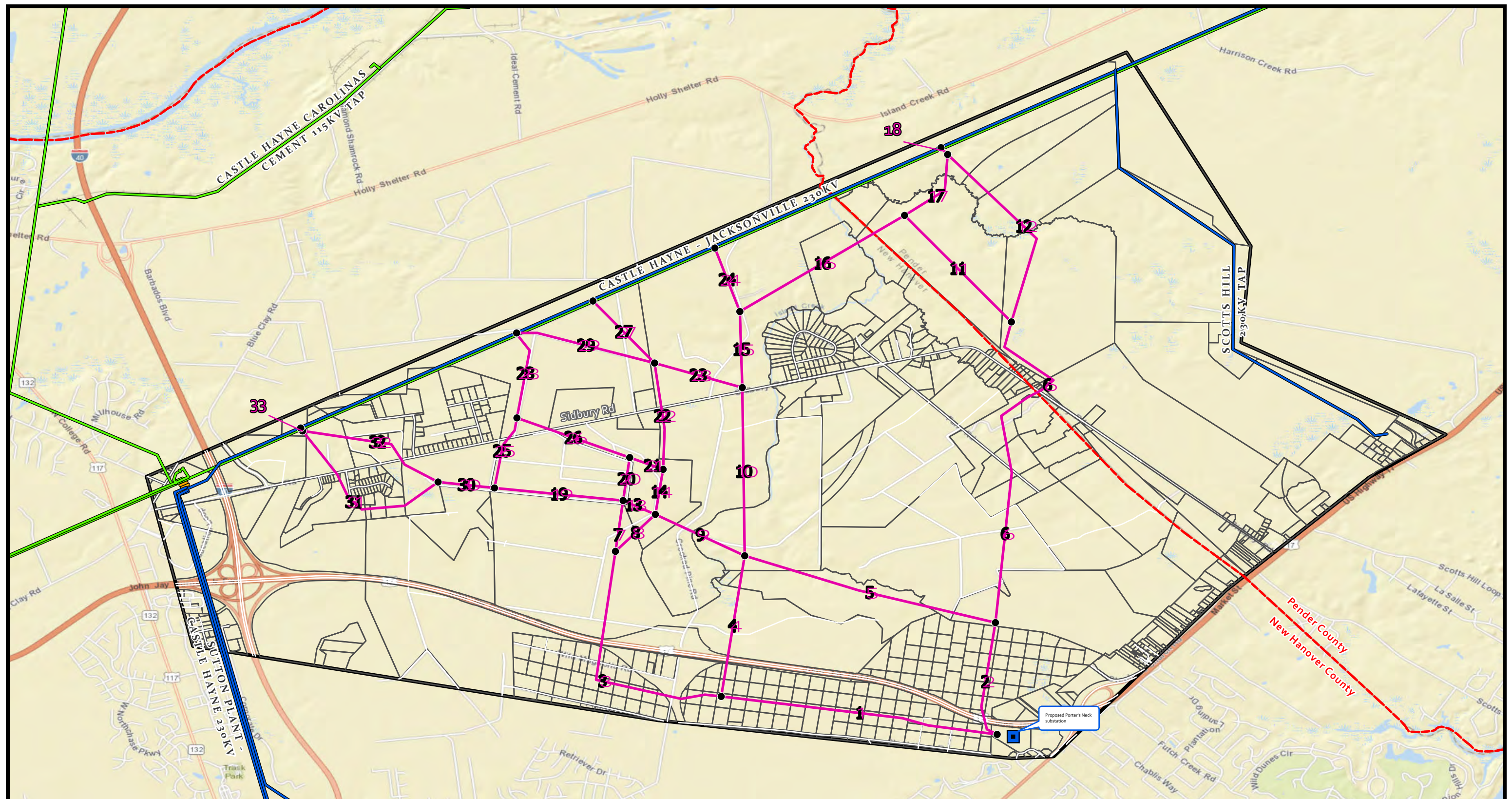
To learn more, please review the enclosed information on how Duke Energy conducts siting studies, or visit <https://www.duke-energy.com/our-company/about-us/electric-transmission-projects/wilmington-ne-project>.

We are looking forward to your continued participation in the routing process. If you have questions about the open house or the project, please call 866.297.5886 or email CarolinasEast@duke-energy.com.

We look forward to seeing you soon.

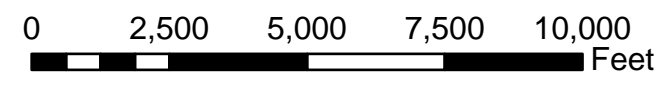
Sincerely,

Keith Gifford
Project Manager



Legend

- Route Segment Endpoint
- Preliminary Route Alternative
- Parcel Boundary
- ▭ Project Boundary



**WILMINGTON NE RELIABILITY PROJECT
ROUTE ALTERNATIVES**

Location: New Hanover and Pender County, NC
 Drawn By: JRR
 Date: 12/18/2018

Data Source: Pender County GIS, New Hanover County GIS; Aerial Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, © OpenStreetMap contributors, and the GIS User Community





Wilmington NE Reliability Project Transmission Line Routing Study Questionnaire

This survey will help the routing team understand your interests and concerns and incorporate this information into the route selection process.

YOUR INFORMATION

Name: _____ Phone: _____

Organization (if applicable): _____ Email: _____

Address: _____ City/State/Zip: _____

WHICH OF THE FOLLOWING APPLIES TO YOU?

My home/property/business (please circle which applies) is in the study area _____

I'm interested in the project, but do not live or own property in the study area _____

Government representative _____ If so, which agency _____

Other, please explain _____

HOW DID YOU FIND OUT ABOUT THE PROJECT/THIS MEETING?

Mailing _____ Neighbor/Friend _____ News Release _____ Internet _____

Other, please explain _____

PROJECT FACTORS

Please circle the number indicating the level of importance of that factor to you. Please rank ALL factors.

Factors	Not Important		Somewhat Important	Most Important	
Distance from homes/residences	1	2	3	4	5
Distance from commercial businesses/future developments	1	2	3	4	5
Distance from public facilities (e.g. schools, parks, churches, cemeteries, etc.)	1	2	3	4	5
Distance from historic/cultural sites	1	2	3	4	5
Distance from conservation areas	1	2	3	4	5
Crossing of wetlands, floodplains and streams/rivers	1	2	3	4	5
Crossing cropland/pastureland	1	2	3	4	5



Factors (continued)	Not Important		Somewhat Important	Most Important	
	1	2	3	4	5
Crossing forested land	1	2	3	4	5
Following property lines	1	2	3	4	5
Following roads	1	2	3	4	5
Following other utility corridors	1	2	3	4	5
Total length of the project (reducing the total cost)	1	2	3	4	5

If you have concerns with one or more transmission line segment(s) shown on the display of potential routes, please indicate the segment number(s) and describe your concern.

Segment Number

Concern

_____	_____
_____	_____
_____	_____

ADDITIONAL COMMENTS

If you would like to comment further on your answers above or identify any other issues that you would like to be considered, please use the space below or an additional sheet of paper.

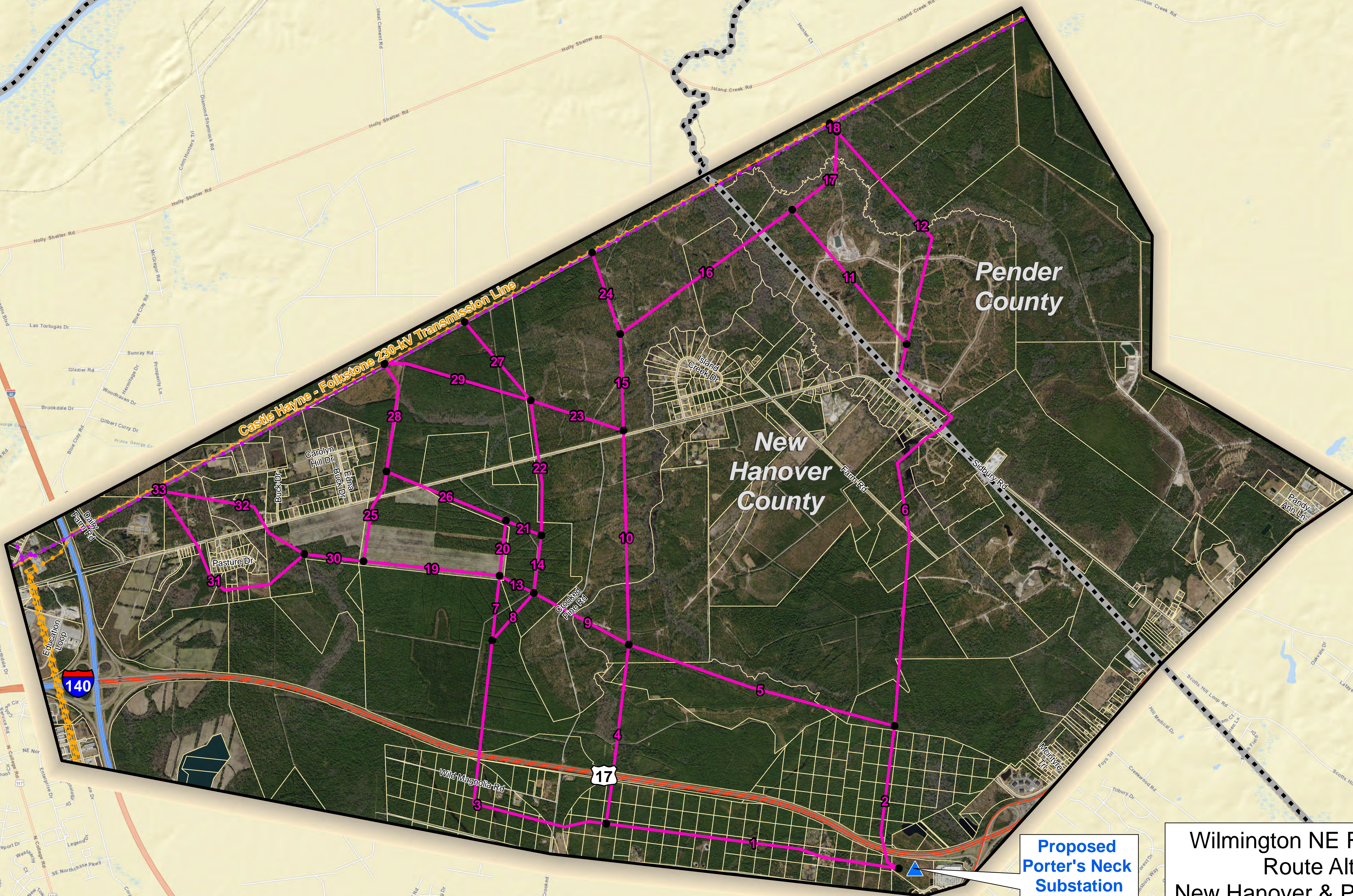
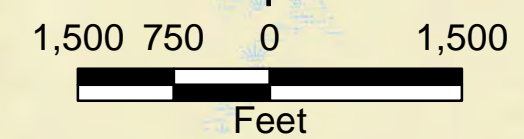
I WOULD LIKE TO REQUEST FOLLOW UP TO MY QUESTIONS/CONCERNS: YES NO

PREFERRED METHOD FOR FOLLOW UP: PHONE _____ EMAIL _____ MAIL _____

If you choose to take this form with you, please return by February 22, 2019 to:

Wilmington NE Reliability Project
C/O Burns & McDonnell
9400 Ward Parkway
Kansas City, MO 64114

The form may also be returned via email to jdunham@burnsmcd.com
For more information, please visit duke-energy.com/WilmingtonNE

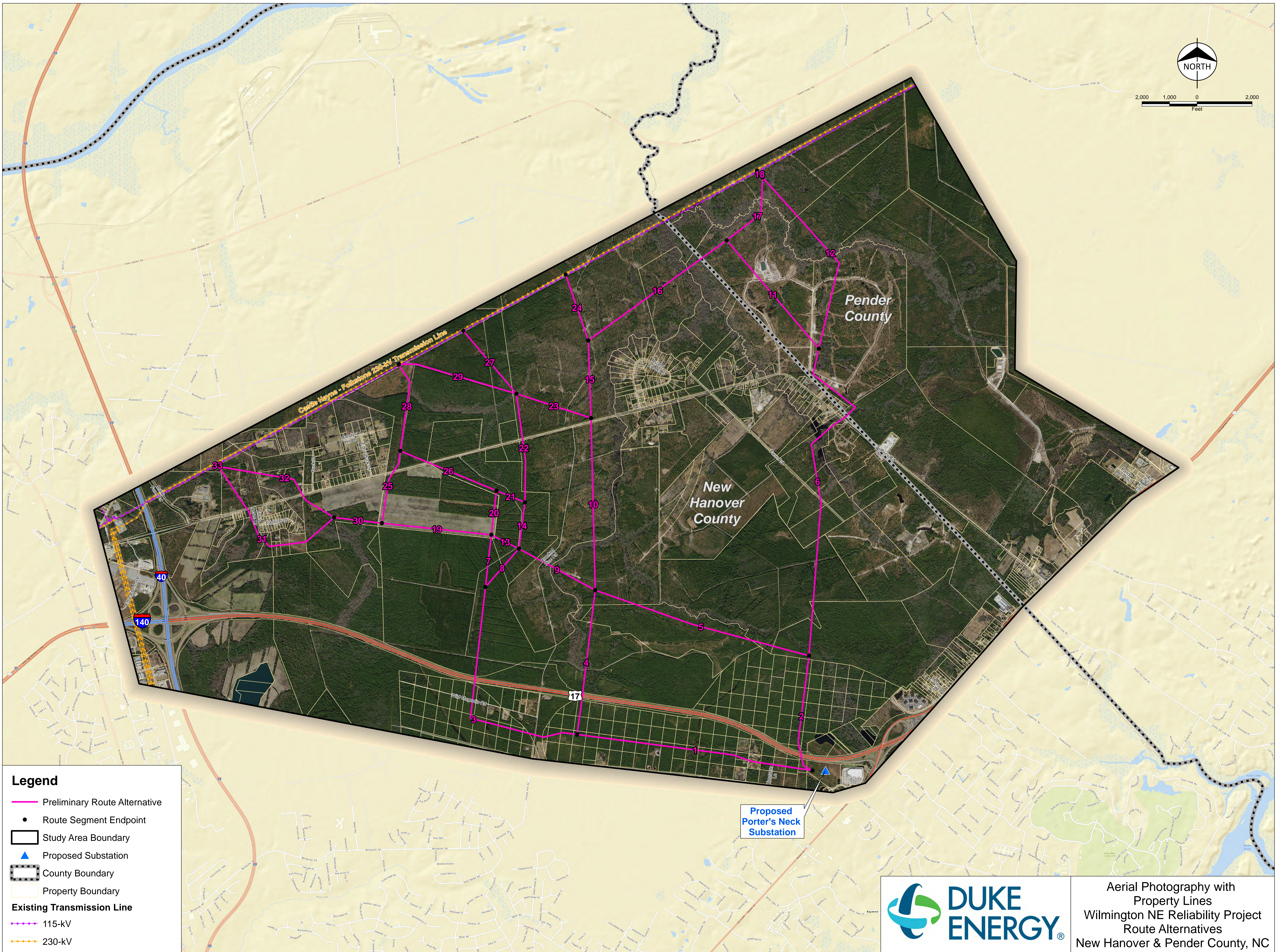
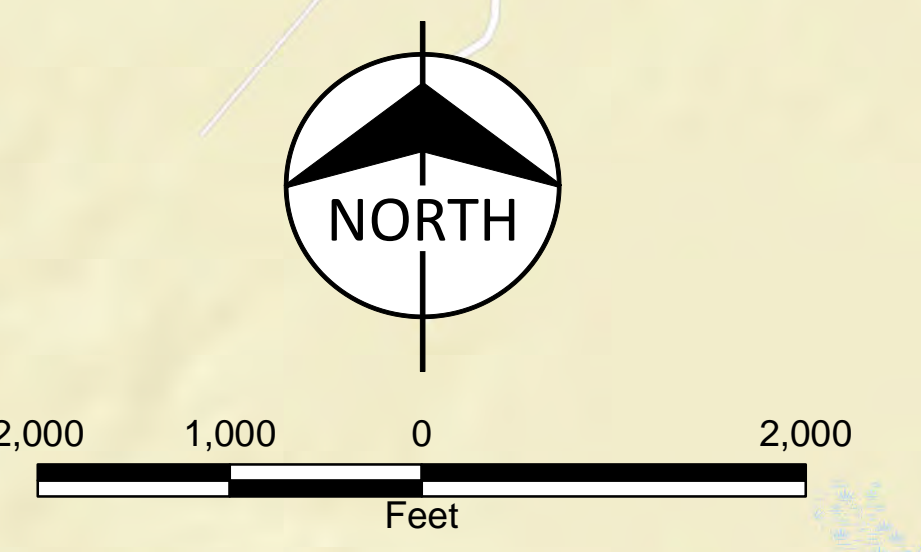


Legend

- Preliminary Route Alternative
- Route Segment Endpoint
- Study Area Boundary
- Proposed Substation
- County Boundary
- Property Boundary
- Existing Transmission Line**
- 115-kV
- 230-kV

**Proposed
Porter's Neck
Substation**

**Wilmington NE Reliability Project
Route Alternatives
New Hanover & Pender County, NC**



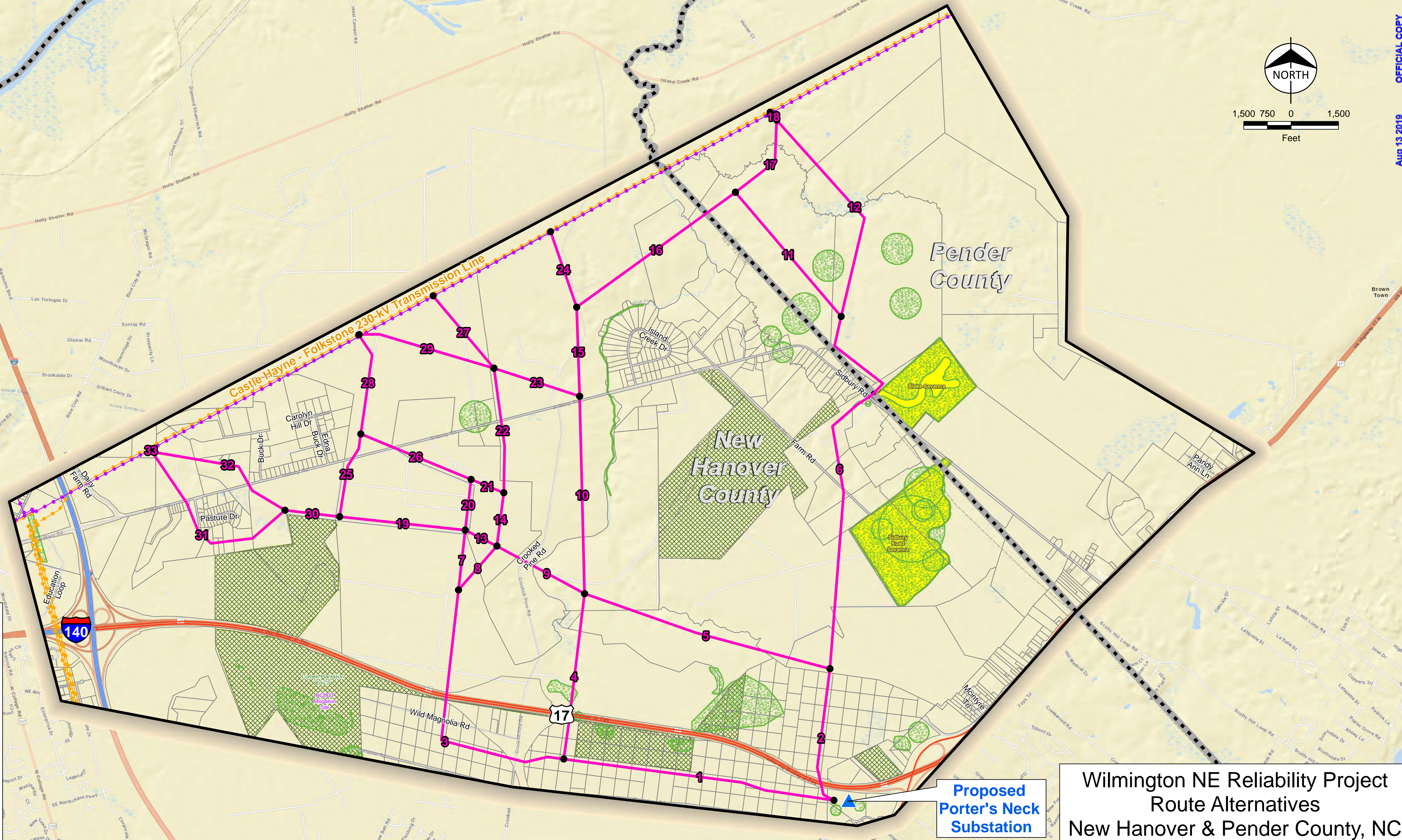
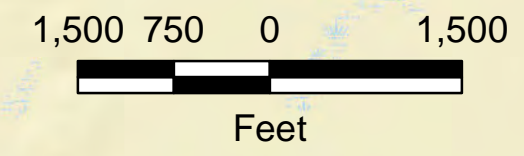
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- Route Segment Endpoint
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- Proposed Substation
- County Boundary
- Property Boundary
- Existing Transmission Line**
- 115-kV
- 230-kV

Proposed
Porter's Neck
Substation



Aerial Photography with
Property Lines
Wilmington NE Reliability Project
Route Alternatives
New Hanover & Pender County, NC

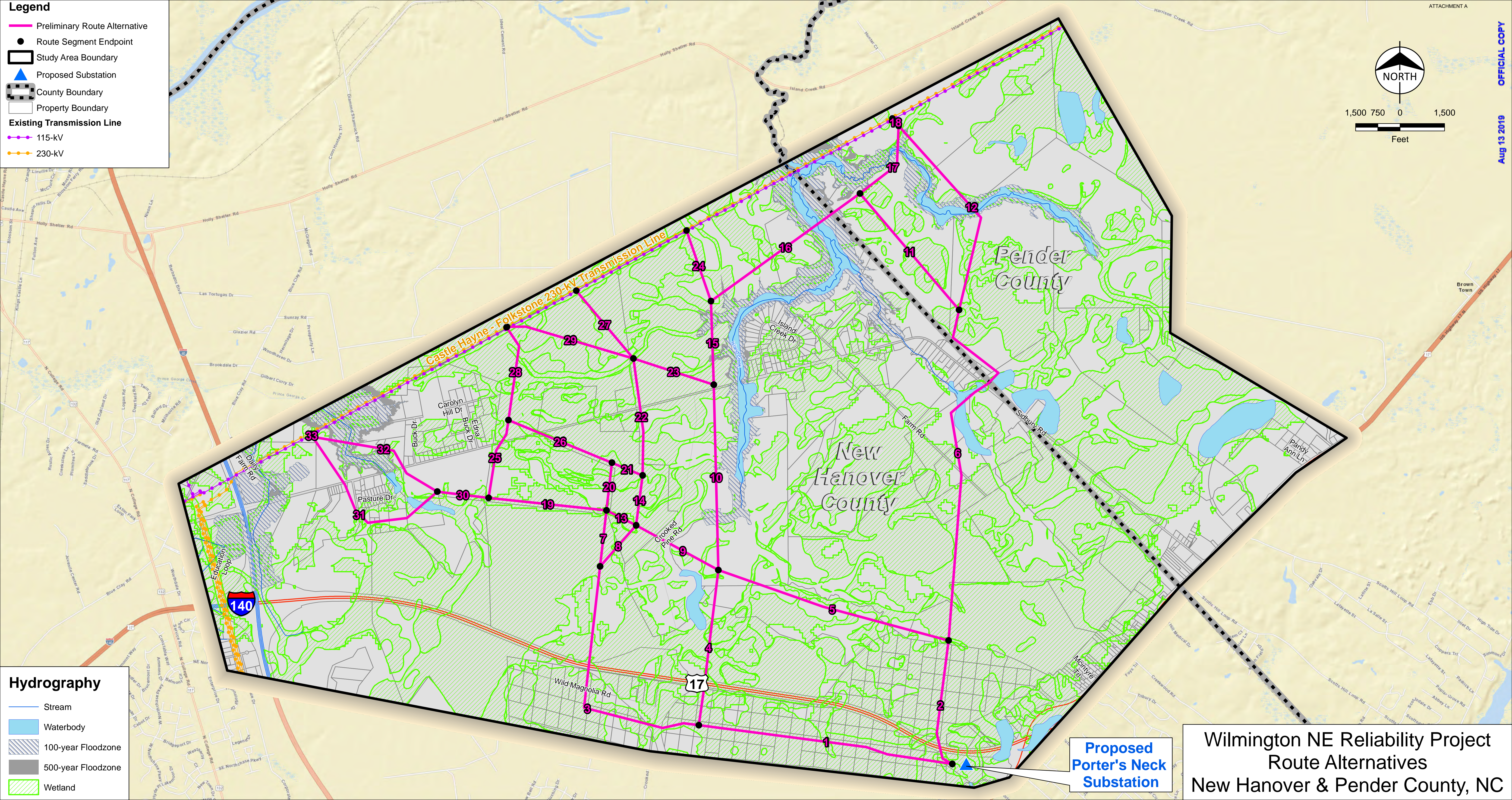


Legend

- Route Segment Endpoint
- Preliminary Route Alternative
- ▭ Study Area Boundary
- ▲ Proposed Substation
- ▬ County Boundary
- ▭ Property Boundary
- ▭ Natural Heritage Elemental Occurrences
- Managed Lands**
- ▭ State Ownership
- ▭ Natural Heritage Natural Area
- Existing Transmission Line**
- 115-kV
- 230-kV

Proposed Porter's Neck Substation

**Wilmington NE Reliability Project
Route Alternatives
New Hanover & Pender County, NC**



Legend

- Preliminary Route Alternative
- Route Segment Endpoint
- Study Area Boundary
- Proposed Substation
- County Boundary
- Property Boundary
- Existing Transmission Line**
 - 115-kV
 - 230-kV

NORTH

1,500 750 0 750 1,500

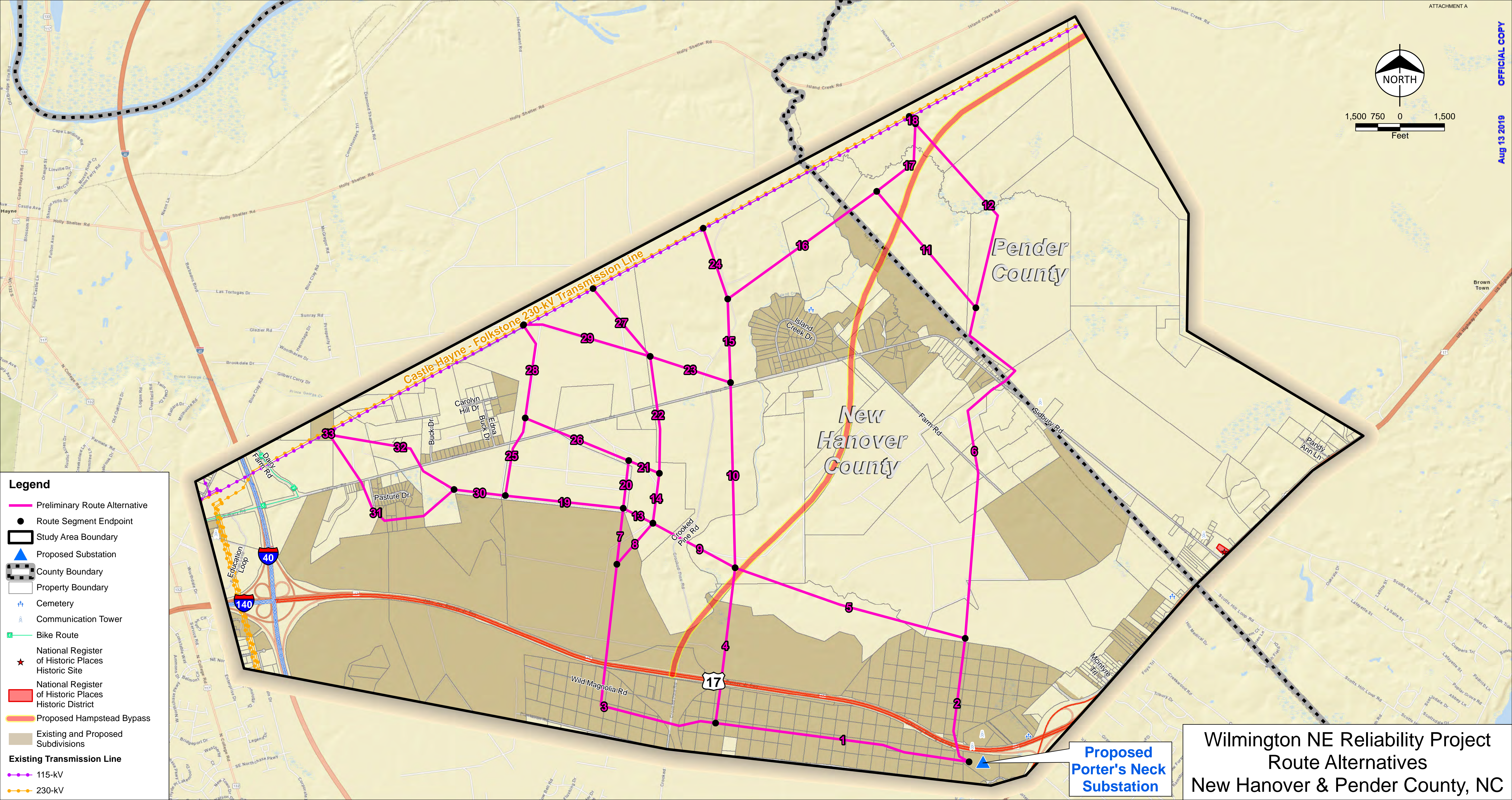
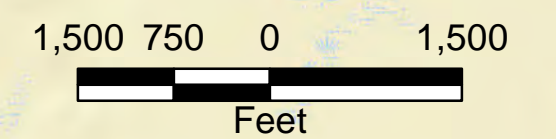
Feet

Hydrography

- Stream
- Waterbody
- 100-year Floodzone
- 500-year Floodzone
- Wetland

**Proposed
Porter's Neck
Substation**

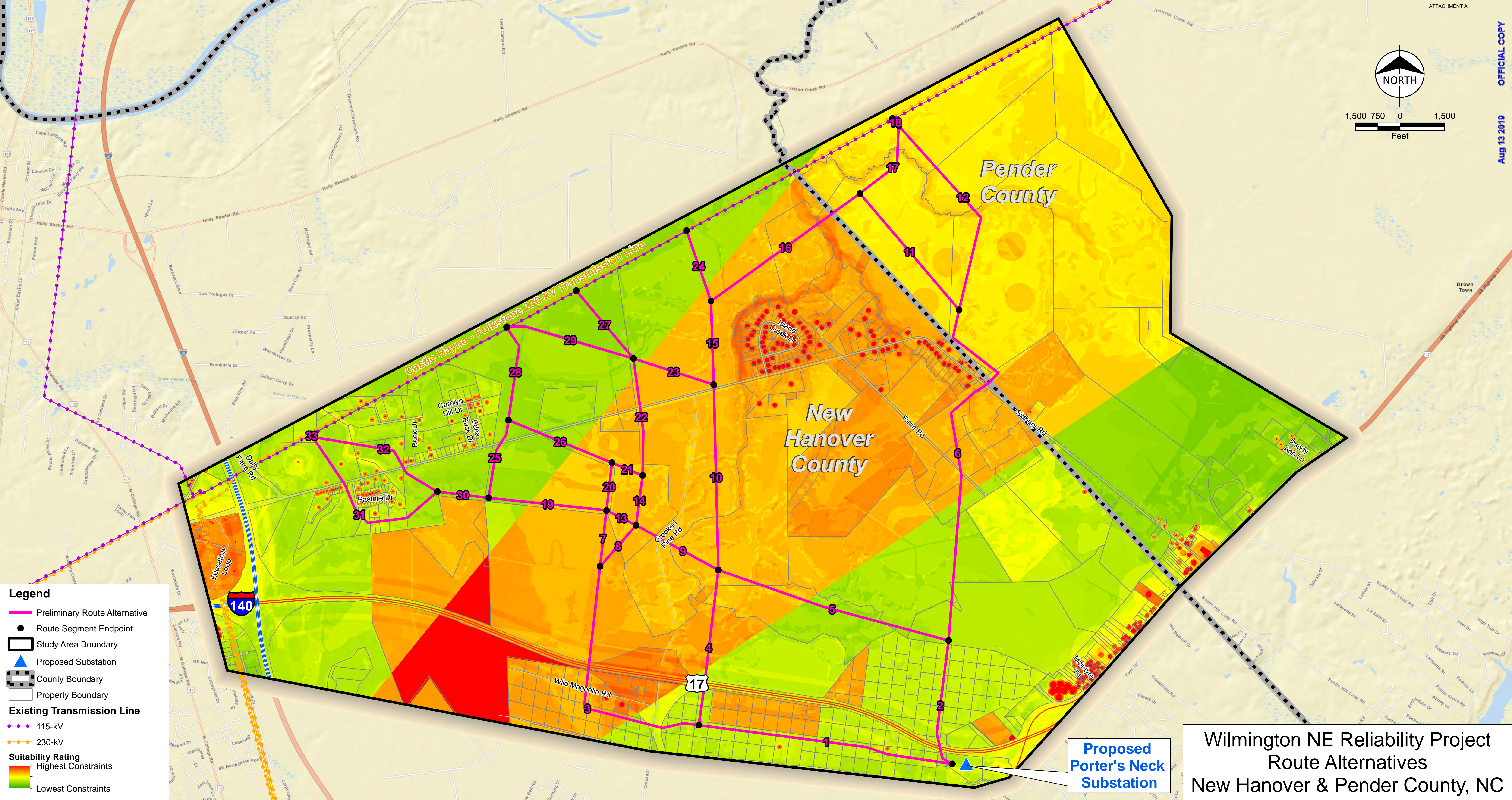
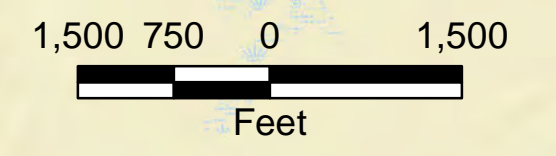
**Wilmington NE Reliability Project
Route Alternatives
New Hanover & Pender County, NC**



- Legend**
- Preliminary Route Alternative
 - Route Segment Endpoint
 - Study Area Boundary
 - Proposed Substation
 - County Boundary
 - Property Boundary
 - Cemetery
 - Communication Tower
 - Bike Route
 - National Register of Historic Places Historic Site
 - National Register of Historic Places Historic District
 - Proposed Hampstead Bypass
 - Existing and Proposed Subdivisions
 - Existing Transmission Line**
 - 115-kV
 - 230-kV

Proposed Porter's Neck Substation

**Wilmington NE Reliability Project
Route Alternatives
New Hanover & Pender County, NC**



Legend

- Preliminary Route Alternative
- Route Segment Endpoint
- Study Area Boundary
- Proposed Substation
- County Boundary
- Property Boundary

Existing Transmission Line

- 115-kV
- 230-kV

Suitability Rating

- Highest Constraints
- Lowest Constraints

**Proposed
Porter's Neck
Substation**

**Wilmington NE Reliability Project
Route Alternatives
New Hanover & Pender County, NC**