

APPENDIX E – NO-RISE CERTIFICATIONS

ENGINEERING "NO-RISE" CERTIFICATION

Community: <u>City of Norman</u>	County: <u>Cleveland</u>	State: <u>Oklahoma</u>
<u>NextEra Energy Transmission Southwest, LLC</u>	<u>5/22/2023</u>	<u>Burns & McDonnell Engineering Company, Inc.</u>
Applicant	Date	Engineer
<u>700 Universe Blvd, Juno Beach, FL 33408</u>		<u>9440 Ward Parkway, Kansas City, MO 64114</u>
Address		Address
<u>(316) 775-8503</u>		<u>(816)333-9400</u>
Telephone:		Telephone

SITE DATA

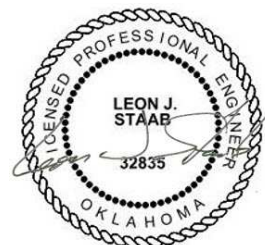
- Location: Sections **9, 16, 21, 28, 29**; Range **03N**; Township **09N**
Location: **Between LAT 35.231077 / LONG -97.531557 and LAT 35.269095 / LONG -97.520369**
- Street Address: **Not applicable**
- Panel(s) No. of NFIP map(s) affected: **40027C0260J, 40027C0170J, January 15, 2021**
- Type of Development: Filling ☐ Grading ☐ Excavation ☐
Minor Improv. ☒ Substantial Improv. ☐ New Construction ☒ Other _____
- Description of Development: **NextEra Energy Transmission Southwest, LLC (NEET Southwest) has contracted Burns & McDonnell (BMCD) to provide engineering, environmental, and permitting services to support the construction of an electrical transmission line connecting the Minco, Pleasant Valley, and Draper substations in Grady, McClain, and Cleveland Counties, Oklahoma. Seventeen (17) power poles will be installed within the limits of the Ten Mile Flat Creek floodplain.**
- Name of Flooding Source: **Ten Mile Flat Creek**

COMMENTS

City of Norman, Oklahoma, Municipal Code, SEC 429.1 – FH, Flood Hazard District allows base flood elevations to be increased from 0.00 to 0.05 feet while still meeting the requirements of a no-rise.

This is to certify that I am a duly qualified engineer licensed to practice in the State of Oklahoma. It is to further certify that the attached technical data supports the fact that the proposed development described above will not create any increase to the 1% elevations on said flooding source above at published cross sections in the Flood Insurance Study for the above community dated **January 15, 2021** and will not create any increase to the 1% flood elevations at unpublished cross-sections in the vicinity of the proposed development.

<u>Leon J. Staab</u>	<u>5/22/2023</u>
Leon J. Staab, P.E.	Date
Civil Engineer	
	<u>32835</u>
	License No.



ENGINEERING "NO-RISE" CERTIFICATION

Community: City of Norman

County: Cleveland

State: Oklahoma

NextEra Energy Transmission
Southwest, LLC

5/22/2023

Burns & McDonnell Engineering Company, Inc.

Applicant

Date

Engineer

700 Universe Blvd, Juno Beach, FL 33408

9440 Ward Parkway, Kansas City, MO 64114

Address

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Telephone

SITE DATA

7. Location: SE ¼; SW ¼; Section 2; Range 03W; Township 09N

Location: LAT 35.276745 / LONG -97.489227; LAT 35.276794 / LONG -97.486312

8. Street Address: **Not applicable**

9. Panel(s) No. of NFIP map(s) affected: **40027C0190K, January 15, 2021**

10. Type of Development:

Filling ☐

Grading ☐

Excavation ☐

Minor Improv. ☒

Substantial Improv. ☐

New Construction ☒

Other _____

11. Description of Development: **NextEra Energy Transmission Southwest, LLC (NEET Southwest) has contracted Burns & McDonnell (BMCD) to provide engineering, environmental, and permitting services to support the construction of an electrical transmission line connecting the Minco, Pleasant Valley, and Draper substations in Grady, McClain, and Cleveland Counties, Oklahoma. Two (2) power poles will be installed within the limits of the Little River Tributary G floodplain.**

12. Name of Flooding Source: **Little River Tributary G**

COMMENTS

City of Norman, Oklahoma, Municipal Code, SEC 429.1 – FH, Flood Hazard District allows base flood elevations to be increased from 0.00 to 0.05 feet while still meeting the requirements of a no-rise.

This is to certify that I am a duly qualified engineer licensed to practice in the State of Oklahoma. It is to further certify that the attached technical data supports the fact that the proposed development described above will not create any increase to the 1% elevations on said flooding source above at published cross sections in the Flood Insurance Study for the above community dated **January 15, 2021** and will not create any increase to the 1% flood elevations at unpublished cross-sections in the vicinity of the proposed development.

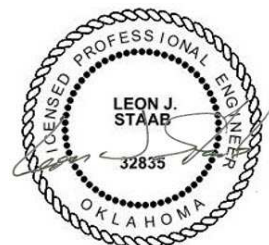
Leon J. Staab
Leon J. Staab, P.E.
Civil Engineer

5/22/2023

Date

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ENGINEERING "NO-RISE" CERTIFICATION

Community: City of Norman County: Cleveland State: Oklahoma
NextEra Energy Transmission
Southwest, LLC
Applicant
Date
5/22/2023
Burns & McDonnell Engineering Company, Inc.
Engineer
700 Universe Blvd, Juno Beach, FL 33408
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9440 Ward Parkway, Kansas City, MO 64114
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SITE DATA

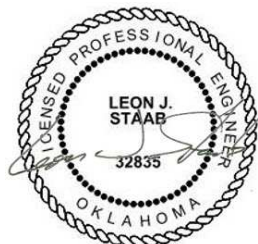
13. Location: Section **1**; Range**03W**; Township **09N**; Sections **1, 2, 3**; Range**02W**; Township **09N**
Location: **between LAT 35.278899 / LONG -97.465358 and LAT 35.288077 / LONG -97.36839**
14. Street Address: **Not applicable**
15. Panel(s) No. of NFIP map(s) affected: **40027C0190K, January 15, 2021; 40027C0195J. February 20, 2013; 40027C0215H, September 26, 2008**
16. Type of Development: Filling ☐ Grading ☐ Excavation ☐
Minor Improv. ☒ Substantial Improv. ☐ New Construction ☒ Other _____
17. Description of Development: **NextEra Energy Transmission Southwest, LLC (NEET Southwest) has contracted Burns & McDonnell (BMCD) to provide engineering, environmental, and permitting services to support the construction of an electrical transmission line connecting the Minco, Pleasant Valley, and Draper substations in Grady, McClain, and Cleveland Counties, Oklahoma. Ten (10) power poles will be installed within the limits of the Little River floodplain.**
18. Name of Flooding Source: **Little River**

COMMENTS

City of Norman, Oklahoma, Municipal Code, SEC 429.1 – FH, Flood Hazard District allows base flood elevations to be increased from 0.00 to 0.05 feet while still meeting the requirements of a no-rise.

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Leon J. Staab, P.E.
Civil Engineer
5/22/2023
Date
32835
License No.



ENGINEERING "NO-RISE" CERTIFICATION

Community: City of Norman

County: Cleveland

State: Oklahoma

NextEra Energy Transmission
Southwest, LLC

5/22/2023

Burns & McDonnell Engineering Company, Inc.

Applicant

Date

Engineer

700 Universe Blvd, Juno Beach, FL 33408

9440 Ward Parkway, Kansas City, MO 64114

Address

Address

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Telephone:

Telephone

SITE DATA

19. Location: **SW ¼; NE ¼; Section 5; Range 02W; Township 09N**

Location: **LAT 35.28346 / LONG -97.429352**

20. Street Address: **Not applicable**

21. Panel(s) No. of NFIP map(s) affected: **40027C0195J, February 20, 2013**

22. Type of Development: Filling ☐ Grading ☐ Excavation ☐

Minor Improv. ☒ Substantial Improv. ☐ New Construction ☒ Other _____

23. Description of Development: **NextEra Energy Transmission Southwest, LLC (NEET Southwest) has contracted Burns & McDonnell (BMCD) to provide engineering, environmental, and permitting services to support the construction of an electrical transmission line connecting the Minco, Pleasant Valley, and Draper substations in Grady, McClain, and Cleveland Counties, Oklahoma. One (1) power pole will be installed within the limits of the North Fork River floodplain.**

24. Name of Flooding Source: **North Fork River**

COMMENTS

City of Norman, Oklahoma, Municipal Code, SEC 429.1 – FH, Flood Hazard District allows base flood elevations to be increased from 0.00 to 0.05 feet while still meeting the requirements of a no-rise.

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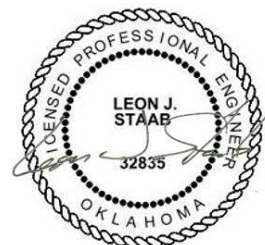
Leon J. Staab
Leon J. Staab, P.E.
Civil Engineer

5/22/2023

Date

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ENGINEERING "NO-RISE" CERTIFICATION

Community: <u>City of Norman</u>	County: <u>Cleveland</u>	State: <u>Oklahoma</u>
<u>NextEra Energy Transmission Southwest, LLC</u>	<u>05/22/2023</u>	<u>Burns & McDonnell Engineering Company, Inc.</u>
Applicant	Date	Engineer
<u>700 Universe Blvd, Juno Beach, FL 33408</u>		<u>9440 Ward Parkway, Kansas City, MO 64114</u>
Address		Address
<u>(316) 775-8503</u>		<u>(816)333-9400</u>
Telephone:		Telephone

SITE DATA

25. Location: **SE ¼; NW ¼; Section 4; Range 02W; Township 09N**

Location: **LAT 35.283514 / LONG -97.415433**

26. Street Address: **Not applicable**

27. Panel(s) No. of NFIP map(s) affected: **40027C0195J, February 20, 2013**

28. Type of Development: Filling ☐ Grading ☐ Excavation ☐
Minor Improv. ☒ Substantial Improv. ☐ New Construction ☒ Other _____

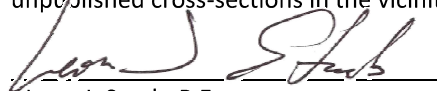
29. Description of Development: **NextEra Energy Transmission Southwest, LLC (NEET Southwest) has contracted Burns & McDonnell (BMcD) to provide engineering, environmental, and permitting services to support the construction of an electrical transmission line connecting the Minco, Pleasant Valley, and Draper substations in Grady, McClain, and Cleveland Counties, Oklahoma. One (1) power pole will be installed within the limits of the Little River Tributary Stream 127 floodplain.**

30. Name of Flooding Source: **Little River Tributary Stream 127**

COMMENTS

City of Norman, Oklahoma, Municipal Code, SEC 429.1 – FH, Flood Hazard District allows base flood elevations to be increased from 0.00 to 0.05 feet while still meeting the requirements of a no-rise.

This is to certify that I am a duly qualified engineer licensed to practice in the State of Oklahoma. It is to further certify that the attached technical data supports the fact that the proposed development described above will not create any increase to the 1% elevations on said flooding source above at published cross sections in the Flood Insurance Study for the above community dated **February 20, 2013**, and will not create any increase to the 1% flood elevations at unpublished cross-sections in the vicinity of the proposed development.

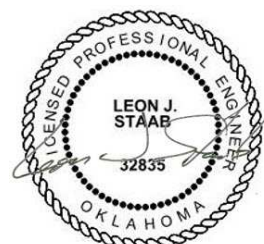

Leon J. Staab, P.E.
Civil Engineer

5/22/2023

Date

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License No.



ENGINEERING "NO-RISE" CERTIFICATION

Community: <u>City of Norman</u>	County: <u>Cleveland</u>	State: <u>Oklahoma</u>
<u>NextEra Energy Transmission Southwest, LLC</u>	<u>5/22/2023</u>	<u>Burns & McDonnell Engineering Company, Inc.</u>
Applicant	Date	Engineer
<u>700 Universe Blvd, Juno Beach, FL 33408</u>		<u>9440 Ward Parkway, Kansas City, MO 64114</u>
Address		Address
<u>(316) 775-8503</u>		<u>(816)333-9400</u>
Telephone:		Telephone

SITE DATA

31. Location: SW ¼; NW ¼; Section 3; Range 02W; Township 09N

Location: LAT 35.28366 / LONG -97.40437

32. Street Address: **Not applicable**

33. Panel(s) No. of NFIP map(s) affected: **40027C0195J, February 20, 2013**

34. Type of Development: Filling ☐ Grading ☐ Excavation ☐
Minor Improv. ☒ Substantial Improv. ☐ New Construction ☒ Other _____

35. Description of Development: **NextEra Energy Transmission Southwest, LLC (NEET Southwest) has contracted Burns & McDonnell (BMCD) to provide engineering, environmental, and permitting services to support the construction of an electrical transmission line connecting the Minco, Pleasant Valley, and Draper substations in Grady, McClain, and Cleveland Counties, Oklahoma. One (1) power pole will be installed within the limits of the Little River Tributary Stream 100 floodplain.**

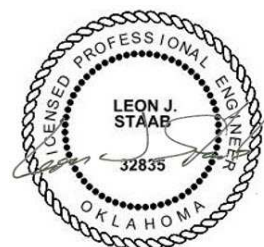
36. Name of Flooding Source: **Little River Tributary Stream 100**

COMMENTS

City of Norman, Oklahoma, Municipal Code, SEC 429.1 – FH, Flood Hazard District allows base flood elevations to be increased from 0.00 to 0.05 feet while still meeting the requirements of a no-rise.

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<u>Leon J. Staab</u>	<u>5/22/2023</u>
Leon J. Staab, P.E.	Date
Civil Engineer	
	<u>32835</u>
	License No.



ENGINEERING "NO-RISE" CERTIFICATION

Community: <u>City of Norman</u>	County: <u>Cleveland</u>	State: <u>Oklahoma</u>
<u>NextEra Energy Transmission Southwest, LLC</u>	<u>5/22/2023</u>	<u>Burns & McDonnell Engineering Company, Inc.</u>
Applicant	Date	Engineer
<u>700 Universe Blvd, Juno Beach, FL 33408</u>		<u>9440 Ward Parkway, Kansas City, MO 64114</u>
Address		Address
<u>(316) 775-8503</u>		<u>(816)333-9400</u>
Telephone:		Telephone

SITE DATA

37. Location: SE ¼; NE ¼; Section 3; Range 02W; Township 09N

Location: LAT 35.283669/ LONG -97.388682

38. Street Address: **Not applicable**

39. Panel(s) No. of NFIP map(s) affected: **40027C0215H, September 26, 2008**

40. Type of Development: Filling ☐ Grading ☐ Excavation ☐
Minor Improv. ☒ Substantial Improv. ☐ New Construction ☒ Other _____

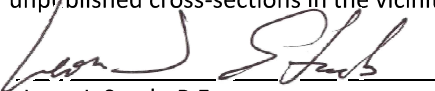
41. Description of Development: **NextEra Energy Transmission Southwest, LLC (NEET Southwest) has contracted Burns & McDonnell (BMCD) to provide engineering, environmental, and permitting services to support the construction of an electrical transmission line connecting the Minco, Pleasant Valley, and Draper substations in Grady, McClain, and Cleveland Counties, Oklahoma. One (1) power pole will be installed within the limits of the Little River Tributary Stream 101 floodplain.**

42. Name of Flooding Source: **Little River Tributary Stream 101**

COMMENTS

City of Norman, Oklahoma, Municipal Code, SEC 429.1 – FH, Flood Hazard District allows base flood elevations to be increased from 0.00 to 0.05 feet while still meeting the requirements of a no-rise.

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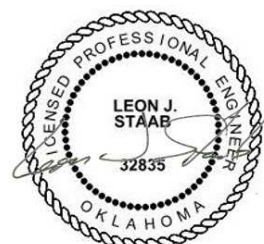

Leon J. Staab, P.E.
Civil Engineer

5/22/2023

Date

32835

License No.



ENGINEERING "NO-RISE" CERTIFICATION

Community: Cleveland County, OK County: Cleveland State: OK

Applicant: NEET Southwest, LLC Date: 2/27/2022
Address: 700 Universe Blvd, Juno Beach, FL 33408
Telephone: 561-691-7171

Engineer: Leon Staab
Address: 9400 Ward Parkway, Kansas City, MO 64114
Telephone: 816-601-3959

SITE DATA

- Location: **SE¼; Section 30; Range 09N; Township 03W**
Street Address: **Canadian River near 97.49009°N, 35.19249°E**
- Panel(s) No. of NFIP map(s) affected: **40027C0260J (January 15, 2021)**
- Type of Development: Filling ☐ Grading ☐ Excavation ☐
Minor Improv. ☐ Substantial Improv. ☐ New Construction ☒ Other _____
- Description of Development: **Construction of an electrical transmission line that includes poles that cross the Canadian River Floodplain.**
- Name of Flooding Source: **Canadian River**

COMMENTS

This is to certify that I am a duly qualified engineer licensed to practice in the State of Oklahoma. It is to further certify that the attached technical data supports the fact that the proposed development described above will not create any increase to the 100-year elevations on said flooding source above at published cross sections in the Flood Insurance Study for the above community dated January 15, 2021, and will not create any increase to the 100-year flood elevations at unpublished cross-sections in the vicinity of the proposed development.

Leon J. Staab
Civil Engineer

2/27/2023

Date

32835

License No.



ENGINEERING "NO-RISE" CERTIFICATION

Community: City of Newcastle, OK County: McClain State: OK

Applicant: NEET Southwest, LLC Date: 2/27/2023
Address: 700 Universe Blvd, Juno Beach, FL 33408
Telephone: 561-691-7171

Engineer: Leon Staab
Address: 9400 Ward Parkway, Kansas City, MO 64114
Telephone: 816-601-3959

SITE DATA

- Location: **SE¼; Section 30; Range 09N; Township 03W**
Street Address: **Canadian River near 97.49009°N, 35.19249°E**
- Panel(s) No. of NFIP map(s) affected: **40087C0085G (November 16, 2007)**
- Type of Development: Filling ☐ Grading ☐ Excavation ☐
Minor Improv. ☐ Substantial Improv. ☐ New Construction ☒ Other _____
- Description of Development: **Construction of an electrical transmission line that includes poles that cross the Canadian River Floodplain.**
- Name of Flooding Source: **Canadian River**

COMMENTS

This is to certify that I am a duly qualified engineer licensed to practice in the State of Oklahoma. It is to further certify that the attached technical data supports the fact that the proposed development described above will not create any increase to the 100-year elevations on said flooding source above at published cross sections in the Flood Insurance Study for the above community dated November 16, 2007, and will not create any increase to the 100-year flood elevations at unpublished cross-sections in the vicinity of the proposed development.

Leon J. Staab
Civil Engineer

2/27/2023

Date

32835

License No.



ENGINEERING "NO-RISE" CERTIFICATION

Community: City of Norman, OK County: Cleveland State: OK

Applicant: NEET Southwest, LLC Date: 2/27/2023

Address: 700 Universe Blvd, Juno Beach, FL 33408

Telephone: 561-691-7171

Engineer: Leon Staab

Address: 9400 Ward Parkway,
Kansas City, MO 64114

Telephone: 816-601-3959

SITE DATA

1. Location: **SE¼; Section 30; Range 09N; Township 03W**

Street Address: **Canadian River near 97.49009°N, 35.19249°E**

2. Panel(s) No. of NFIP map(s) affected: **40027C0260J (January 15, 2021)**

3. Type of Development: Filling ☐ Grading ☐ Excavation ☐

Minor Improv. ☐ Substantial Improv. ☐ New Construction ☒ Other _____

4. Description of Development: **Construction of an electrical transmission line that includes poles that cross the Canadian River Floodplain.**

5. Name of Flooding Source: **Canadian River**

COMMENTS

This is to certify that I am a duly qualified engineer licensed to practice in the State of Oklahoma. It is to further certify that the attached technical data supports the fact that the proposed development described above will not create any increase to the 100-year elevations on said flooding source above at published cross sections in the Flood Insurance Study for the above community dated January 15, 2021, and will not create any increase to the 100-year flood elevations at unpublished cross-sections in the vicinity of the proposed development.

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Civil Engineer

2/27/2023

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