

Attachment 4

Southeast Supply Enhancement Project

Federal and State-Listed Species Potentially Occurring Within the Project Area<sup>a</sup>

| Species Group | Species Common Name     | Scientific Name               | Federal Status      | State Status                                                                                             | Project Components with Potential Occurrence  | Survey Timeframe                                                                                                      | Survey Status                                                                                                                          | Anticipated Effect Determination <sup>c</sup> | Rationale for Determination                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Anticipated Avoidance and Minimization Measures                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|---------------|-------------------------|-------------------------------|---------------------|----------------------------------------------------------------------------------------------------------|-----------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Mammals       | Indiana Bat             | <i>Myotis sodalis</i>         | Endangered          | Protected (AL)                                                                                           | Compressor Station 105                        | None – no tree felling anticipated                                                                                    | N/A                                                                                                                                    | NLAA                                          | Facility modifications at Compressor Station 105 will occur within maintained and previously disturbed areas. The Project will not impact trees or other features (e.g., culverts, structures, underground voids) that could be used by the species.                                                                                                                                                                                                                                                                                                                                                | None                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|               | Northern Long-eared Bat | <i>Myotis septentrionalis</i> | Endangered          | Threatened (VA), Protected (AL)                                                                          | VA Project Components, Compressor Station 105 | May 15 – August 15 (Summer presence / absence)                                                                        | Summer presence / absence and culvert surveys are complete. Summer structure surveys are ongoing. Winter habitat surveys are complete. | NLAA                                          | Considered present along a portion of the Project in VA based on a previous record. Transco will implement avoidance and minimization measures including timing restrictions on tree clearing and structure removal. No suitable occupied culverts or structures found during summer surveys. No suitable occupied culverts or winter habitat were found during winter surveys. Facility modifications at Compressor Station 105 will occur within maintained and previously disturbed areas.                                                                                                       | <u>In the VA portion of the Project and in NC north of MP 1338.5<sup>e</sup>:</u><br>Tree Clearing: Avoid tree clearing from April 1 to November 15.<br>Structure Removal: Remove structures from November 16 to March 31. If not feasible, remove a limited number of structures from April 1 to November 15 following negative emergence counts conducted the night prior to removal. Structures showing signs of bat use during emergence counts would be removed from November 16 to March 31.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|               | Tricolored Bat          | <i>Perimyotis subflavus</i>   | Proposed Endangered | Endangered (VA, NC), Species of Greatest Conservation Need (SC), Species of Concern (GA), Protected (AL) | All Project Components                        | May 15 – August 15 (Summer presence / absence in VA and NC)<br>March 1 – October 15 (Summer presence / absence in NC) | Summer presence / absence and culvert surveys are complete. Summer structure surveys are ongoing. Winter habitat surveys are complete. | No Jeopardy                                   | Tricolored bats are considered present along the Project in VA and NC based on previous records and Transco's summer presence/absence surveys. Transco will implement avoidance and minimization measures including timing restrictions on tree clearing and structure removal. No suitable occupied culverts or structures found during summer surveys. No suitable occupied culverts or winter habitat were found during winter surveys. Facility modifications at Compressor Station 105, 120, 125, 135, MLV-145B20, and MLV-145B21 will occur within maintained and previously disturbed areas. | <u>In NC south of MP 1338.5:</u><br>Tree Clearing: Avoid tree clearing from December 15 to February 15 and April 1 to July 15.<br>Structure Removal: Remove structures from November 16 to December 14 or from February 16 to March 31. If not feasible, remove a limited number of structures from April 1 to November 15 following negative emergence counts conducted the night prior to removal. Structures showing signs of bat use during emergence counts would be removed from November 16 to December 14 or from February 16 to March 31.<br><u>All VA and NC Project components:</u><br>Blasting: Avoid blasting within 150 feet of any structure proposed for removal that showed signs of bat use during emergence counts until the structure can be removed in winter as described above in VA and NC. Avoid blasting within 150 feet of the five inaccessible or unsurveyed culverts during the winter hibernation and torpor season. In the VA portion of the Project and in NC north of MP 1338.5 the hibernating season is November 16 to March 31 and in NC south of MP 1338.5 the torpor season is December 15 to February 15. |

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|---------------|-------------------------------|---------------------------------|-------------------------------------------------|------------------------------------|----------------------------------------------------|----------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|
|               | Little Brown Bat              | <i>Myotis lucifugus</i>         | None                                            | Endangered (VA)                    | VA Project Components                              | May 15 – August 15 (Summer presence / absence)                                   | Summer presence / absence and culvert surveys complete, summer structure surveys ongoing. Winter habitat surveys complete. | No impacts anticipated                        | No previous records or species found during summer presence/absence. No suitable occupied culverts or structures found during summer surveys. No suitable occupied culverts or winter habitat found during winter surveys. | None                                                                                                                       |
| Reptiles      | Bog Turtle                    | <i>Glyptemys muhlenbergii</i>   | Similarity of Appearance (Threatened)           | Threatened (NC)                    | Salem Loop, MLV-145B20, and Compressor Station 150 | Year-round (Phase I Habitat)                                                     | Complete                                                                                                                   | NLAA                                          | No habitat present based on a Phase I Bog Turtle Field Habitat Assessment                                                                                                                                                  | None                                                                                                                       |
| Birds         | Bald Eagle                    | <i>Haliaeetus leucocephalus</i> | Protected <sup>f</sup>                          | Threatened (NC)                    | All Project Components                             | December – February                                                              | Complete                                                                                                                   | No impacts anticipated                        | No individuals or nests located during field surveys                                                                                                                                                                       | None                                                                                                                       |
|               | Osprey                        | <i>Pandion haliaetus</i>        | Protected <sup>f</sup>                          | None                               | MLV-145B21                                         | N/A                                                                              | N/A - Osprey presence.                                                                                                     | No impacts anticipated                        | Facility modifications are not expected to disturb existing nesting osprey within existing facilities at MLV-145B21.                                                                                                       | None                                                                                                                       |
| Fishes        | Roanoke Logperch              | <i>Percina rex</i>              | Endangered, Proposed for Delisting <sup>b</sup> | Endangered (VA, NC)                | Eden Loop                                          | July 1 – March 15                                                                | USFWS recommended no surveys to be conducted.                                                                              | TBD <sup>d</sup>                              | TBD <sup>d</sup>                                                                                                                                                                                                           | No instream work in the Dan River and Cascade Creek between April 1 - June 30                                              |
| Mollusks      | James Spiny mussel            | <i>Parvaspina collina</i>       | Endangered                                      | Endangered (VA, NC)                | Eden Loop (NC only)                                | April 1 – October 31                                                             | USFWS recommended no surveys to be conducted.                                                                              | TBD <sup>d</sup>                              | TBD <sup>d</sup>                                                                                                                                                                                                           | No instream work in the Dan River and Cascade Creek between April 1 - June 30                                              |
|               | Atlantic Pigtoe               | <i>Fusconaia masoni</i>         | Threatened                                      | Threatened (VA, NC)                | Eden Loop (NC only)                                | April 1 – October 31                                                             | USFWS recommended no surveys to be conducted.                                                                              | TBD <sup>d</sup>                              | TBD <sup>d</sup>                                                                                                                                                                                                           |                                                                                                                            |
|               | Green Floater                 | <i>Lasmigona subviridis</i>     | Proposed Threatened                             | Threatened (VA)<br>Endangered (NC) | VA and NC Pipeline Components                      | April 1 – October 31<br>Survey in VA only. No survey in NC to avoid disturbance. | Complete in VA. USFWS recommended no surveys to be conducted in NC.                                                        | TBD <sup>d</sup>                              | TBD <sup>d</sup>                                                                                                                                                                                                           |                                                                                                                            |
| Crustaceans   | Carolina Ladle Crayfish       | <i>Cambarus davidi</i>          | None                                            | Significantly Rare (NC)            | Salem Loop                                         | Year-round                                                                       | Complete                                                                                                                   | No impacts anticipated                        | Individuals found during surveys. Individuals are anticipated to evade disturbance and recolonize using networks of stream corridors.                                                                                      | None                                                                                                                       |
|               | Greensboro Burrowing Crayfish | <i>Cambarus catagius</i>        | None                                            | Special Concern Species (NC)       | Salem Loop                                         | Year-round                                                                       | Complete                                                                                                                   | No impacts anticipated                        | Individuals found during field surveys. Transco will implement avoidance and minimization measures.                                                                                                                        | Relocate individuals to a hatchery prior to construction and return crayfish to habitat post-construction with monitoring. |

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|---------------|----------------------------|-----------------------------------------------|----------------|-------------------------------------|-----------------------------------------------------------|------------------------|-----------------------|-----------------------------------------------|------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Amphibians    | Mole Salamander            | <i>Ambystoma talpoideum</i>                   | None           | Special Concern Species (NC)        | NC Project Components                                     | April – June (habitat) | Complete              | No impacts anticipated                        | Individuals found during surveys. Transco will implement avoidance and minimization measures.                          | Install silt fence around identified breeding habitat and/or restore wetlands and streams to pre-construction contours and hydrology to the extent practicable. Relocate incidentally discovered mole and four-toed salamanders during construction and monitor habitat restoration. |
|               | Four-toed Salamander       | <i>Hemidactylium scutatum</i>                 | None           | Special Concern Species (NC)        | NC Project Components                                     | April – June (habitat) | Complete              | No impacts anticipated                        | Individuals found during surveys. Transco will implement avoidance and minimization measures.                          |                                                                                                                                                                                                                                                                                      |
| Plants        | Schweinitz's Sunflower     | <i>Helianthus schweinitzii</i>                | Endangered     | Endangered (NC)                     | NC Project Components                                     | August – October       | In progress           | NLAA                                          | No individuals located during field surveys. Additional field surveys to be completed on Salem Loop in summer 2025.    | None                                                                                                                                                                                                                                                                                 |
|               | Dwarf Flowered Heartleaf   | <i>Hexastylis naniflora</i>                   | Threatened     | Threatened (NC)                     | Compressor Station 150 and 145, MLV-145B21 and MLV-145B20 | March – May            | Complete              | No impacts anticipated                        | No individuals located during field surveys                                                                            | None                                                                                                                                                                                                                                                                                 |
|               | Small Whorled Pogonia      | <i>Isotria medeoloides</i>                    | Threatened     | Threatened (NC)                     | Salem Loop                                                | May – July             | Complete              | NLAA                                          | No individuals located during field surveys                                                                            | None                                                                                                                                                                                                                                                                                 |
|               | Michaux's Sumac            | <i>Rhus michauxii</i>                         | Endangered     | Endangered (NC)                     | MLV-145B21                                                | May – October          | Complete              | NLAA                                          | No individuals located during field surveys                                                                            | None                                                                                                                                                                                                                                                                                 |
|               | American Bluehearts        | <i>Buchnera americana</i>                     | None           | VA - Not Listed (S1S2 - State Rank) | Eden Loop                                                 | July – September       | In progress           | No impacts anticipated                        | No individuals have been located during field surveys                                                                  | None                                                                                                                                                                                                                                                                                 |
|               | Downy Phlox                | <i>Phlox pilosa</i>                           | None           | VA - Not Listed (S2 - State Rank)   | Eden Loop                                                 | May – June             | Complete              | No impacts anticipated                        | No individuals located during field surveys. Additional field surveys to be completed on Eden Loop in summer 2025.     | None                                                                                                                                                                                                                                                                                 |
|               | Piedmont Barbara's-Buttons | <i>Marshallia obovata</i> var. <i>obovata</i> | None           | VA - Not Listed (S1 - State Rank)   | Eden Loop                                                 | April – June           | Complete              | No impacts anticipated                        | No individuals located during field surveys                                                                            | None                                                                                                                                                                                                                                                                                 |
|               | Littleleaf Sensitive-briar | <i>Mimosa microphylla</i>                     | None           | VA - Not Listed (S1 - State Rank)   | Eden Loop                                                 | June – September       | N/A – Incidental find | No impacts anticipated                        | Individuals incidentally found during field plant surveys. Transco will implement avoidance and minimization measures. | Topsoil segregation and collection of seed pods for replanting post-construction.                                                                                                                                                                                                    |
|               | American Senna             | <i>Senna hebecarpa</i>                        | None           | NC - Not Listed (S2S3 - State Rank) | Salem Loop                                                | July – August          | N/A – Incidental find | No impacts anticipated                        | Individuals incidentally found during field plant surveys. Transco will implement avoidance and minimization measures. |                                                                                                                                                                                                                                                                                      |

| Attachment 4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                     |                         |                     |              |                                              |                                   |               |                                               |                                                                                                                      |                                                                                                                       |
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| Southeast Supply Enhancement Project                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                     |                         |                     |              |                                              |                                   |               |                                               |                                                                                                                      |                                                                                                                       |
| Federal and State-Listed Species Potentially Occurring Within the Project Area <sup>a</sup>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                     |                         |                     |              |                                              |                                   |               |                                               |                                                                                                                      |                                                                                                                       |
| Species Group                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Species Common Name | Scientific Name         | Federal Status      | State Status | Project Components with Potential Occurrence | Survey Timeframe                  | Survey Status | Anticipated Effect Determination <sup>c</sup> | Rationale for Determination                                                                                          | Anticipated Avoidance and Minimization Measures                                                                       |
| Insect                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Monarch Butterfly   | <i>Danaus plexippus</i> | Proposed Threatened | None         | All Project Components                       | Habitat (Milkweed): June - August | In progress   | No Jeopardy                                   | Transco will implement avoidance and minimization measures. Additional field surveys to be completed in summer 2025. | Timing of vegetation mowing prior to construction (Prior to April 1) as part of Operational right-of-way maintenance. |
| <div>Notes:</div> <div><sup>a</sup> Species and listing statuses were obtained via correspondence with agencies and online database research, as provided in Appendix 3A.</div> <div><sup>b</sup> On April 2, 2024 the USFWS determined the Roanoke logperch is no longer at risk of extinction and filed a proposal to remove the species from the endangered species list (89 Federal Register 22649, USFWS 2024b).</div> <div><sup>c</sup> Consultation with USFWS is ongoing. Anticipated Effects Determinations are based on surveys and activities completed to date. Federally listed species are given an anticipated effects determination of NLAA in accordance with incidental take prohibitions in ESA language. ESA does not prohibit incidental take of federally proposed species; therefore, they are given an anticipated effects determination of No Jeopardy. Non-federally listed or proposed species received a determination of no impacts anticipated.</div> <div><sup>d</sup> Anticipated effects determination and justification in progress based on ongoing analyses and coordination with USFWS</div> <div><sup>e</sup> Milepost (MP 1338.5) is the boundary between the Tricolored Bat Hibernating Range and the Tricolored Bat Year-round Active Range (Zone 1).</div> <div><sup>f</sup> Bald Eagle protected under Bald and Golden Eagle Protection Act and Migratory Bird Treaty Act; Osprey protected under Migratory Bird Treaty Act</div> <div>Key:</div> <div>N/A = not applicable</div> <div>NLAA = May affect, but is not likely to adversely affect</div> <div>TBD = To Be Determined at a later date</div> <div>S1 = VA Natural Heritage Program (NHP) State Rank of Critically Imperiled – At very high risk of extirpation in the jurisdiction due to very restricted range, very few populations or occurrences, very steep declines, severe threats, or other factors.</div> <div>S2 = VA NHP State Rank of Imperiled – At high risk of extirpation in in the jurisdiction due to restricted range, few populations or occurrences, steep declines, severe threats, or other factors.</div> <div>S2 = NC NHP State Rank of Imperiled – Due to rarity or some factor(s) making it very vulnerable to extirpation from the state. Typically, 6 to 20 occurrences or few remaining individuals (1,000 to 3,000) or 2,000- 10,000 acres occupied in the state.</div> <div>S3 = NC NHP State Rank of Vulnerable – Vulnerable to extinction either because rare or uncommon, or found only in a restricted range (even if abundant at some locations), or due to other factors making it vulnerable to extirpation. Typically, 21 to 100 occurrences or between 3,000 and 10,000 individuals or 10,000- 50,000 acres occupied in the state.</div> <div>Final federal and state agency consultations are pending. Additional information will be provided as it becomes available.</div> |                     |                         |                     |              |                                              |                                   |               |                                               |                                                                                                                      |                                                                                                                       |