

BEFORE THE
STATE CORPORATION COMMISSION
OF VIRGINIA

APPLICATION OF
VIRGINIA ELECTRIC AND POWER COMPANY
FOR APPROVAL OF ELECTRIC TRANSMISSION FACILITIES

Partial Line #2010 230 kV Single Circuit Transmission Line
Underground Pilot Program (Tysons – Future Spring Hill Substation)

Application No. 299

DEQ Supplement

Case No. PUR-2020-00198

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1. Project Description

Virginia Electric and Power Company (“Dominion Energy Virginia” or the “Company”) is proposing a new project, which, if approved, will take place in Tysons Corner, Fairfax County, Virginia. The Project will be constructed within a combination of existing Company-owned property, existing rights-of-way, new rights of way and new Virginia Department of Transportation (“VDOT”) permits. The proposed underground route (“Proposed Route”) consists of approximately 0.58 mile of variable width right-of-way along existing Line #2010 (“Line”) between Tysons Substation and just south of the future Spring Hill Substation site. It largely will be on existing Company-owned right-of-way and deviates for approximately 0.10 mile to accommodate the future site of The View development. The Line will exit the existing Tysons Substation across Tyco Road via VDOT permit and continue south-west for approximately 0.20 mile on existing 42-foot right-of-way. Temporary construction easements will be needed along this segment as will a VDOT permit. At this point, the Line will depart from the existing right-of-way and turn south within a private service road for approximately 0.05 mile on a newly acquired 30-foot easement until it reaches Spring Hill Road (Route 684). Temporary construction easements will be required along this segment.

At Spring Hill Road, the Line will turn west within Spring Hill Road for approximately 0.05 mile via a VDOT permit until it reaches Leesburg Pike (Route 7). These two 0.05-mile sections of the Line are being relocated outside of the existing right-of-way to accommodate The View, a future development. At Leesburg Pike, the Line turns southwest crossing under the elevated Metro Train Line and crossing Leesburg Pike via a VDOT permit for approximately 0.05 mile and then continues on existing 42-foot right-of-way for approximately 0.14 mile where it turns south-east and goes around the east side of the future Spring Hill Substation site within an existing easement and the future substation parcel. Temporary construction easements will be required along this segment. Just south of the future Spring Hill Substation parcel, the Line continues on existing 42-foot right-of-way to terminate at a transition pole (“Transition Pole”).

For purposes of this Project, the Company intends to build a Transition Pole just south of the location where the Company plans to construct the future Spring Hill Substation. The Transition Pole will be approximately 140 feet tall, subject to final engineering. The Company also intends to replace the existing Structure #2010/12 located south of the future Spring Hill Substation. The existing approximately 61-foot Structure #2010/12 will be replaced with an approximately 90-foot structure, subject to final engineering.

As the Project involves proposed improvements to an existing 230 kV transmission line, Dominion Energy Virginia is preparing an application for a certificate of public convenience and necessity from the State Corporation Commission (“SCC” or the “Commission”). Based upon consultations with the Virginia Department of Environmental Quality (“DEQ”), Draper Aden Associates (“DAA”), on behalf of the

Company, has developed this DEQ Supplement to facilitate review and analysis of the proposed Project by DEQ and other relevant agencies.

2. Environmental Analysis

The Company solicited comments from all relevant state and local agencies about the proposed Project in July 2020. The Company sent updated correspondences, by email, regarding the updated Project details in September 2020. Copies of these letters and emails are included as Attachment 2. The DEQ provided a letter in response to the Company's scoping request for the proposed Project on July 30, 2020. A copy of this letter is included in Attachment 2.1.

A. Air Quality

The Company will control fugitive dust during construction in accordance with DEQ regulations. During construction, if the weather is dry for an extended period of time, there will be airborne particles from the use of vehicles and equipment within the right-of-way. Minimal earth disturbance will take place and vehicle speed, which is often a factor in airborne particulate, will be kept to a minimum. Erosion and sediment control are addressed in Section 2.G, below. Equipment and vehicles that are powered by gasoline or diesel motors will also be used during the construction of the Line so there will be exhaust from those motors.

The existing transmission corridor currently is maintained for transmission facility operations, and no additional clearing is anticipated. The proposed Project may require some trimming of tree limbs along the right-of-way edges to support construction activities. The Company does not expect to burn cleared material, but if necessary, the Company will coordinate with the responsible locality to ensure all local ordinances and DEQ requirements are met. The Company's tree clearing methods are described in Section 2.K.

B. Water Source (No water source is required for transmission lines so this discussion will focus on potential waterbodies to be crossed by the proposed transmission line rebuild.)

The proposed Project is located within the Middle Potomac-Catoctin watershed, Hydrologic Unit Code 02070008. According to the U.S. Geological Survey ("USGS") topographic quadrangle map of Falls Church, Virginia, the transmission line corridor in the Project area does not cross any streams or rivers. The Virginia Department of Conservation and Recreation's ("VDCR") Natural Heritage Data Explorer provides information on streams using the National Hydrography Dataset. According to the Data Explorer mapping service, the transmission right-of-way does not cross any wetlands, streams, or tributaries. Additional information is presented in Section 2.D below.

C. Discharge of Cooling Waters

No discharge of cooling waters is associated with the proposed Project.

D. Tidal and Non-tidal Wetlands

No tidal wetlands were identified within the proposed Project area.

Wetlands Impact Consultation

On behalf of the Company, DAA and Resource Environmental Solutions, LLC (“RES”) delineated wetlands and other waters of the United States, within the proposed Project right-of-way, using the *Routine Determination Method* as outlined in the *1987 Corps of Engineers Wetland Delineation Manual* and methods described in the *2012 Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Eastern Mountains and Piedmont Region* (Version 2.0).

No jurisdictional resources were identified within the proposed Project right-of-way. Additionally, the proposed Project area lies within “Zone X,” a designated area of minimal Flood Hazard.

A summary of findings is included in Attachment 2.D.1

E. Solid and Hazardous Waste

On behalf of the Company, DAA conducted database searches for solid and hazardous wastes, and petroleum release sites within a 0.5-mile radius of the proposed Project. Publicly available data from the Environmental Protection Agency (“EPA”) Facility Registry System (“FRS”) were obtained and include *Comprehensive Environmental Response, Compensation and Liability Act* (“CERCLA”)/Superfund; *Resource Conservation and Recovery Act* (“RCRA”); and brownfield sites.

According to the information reviewed, no listed Brownfield, CERCLA/Superfund or RCRA sites appear to be located within a 0.5-mile radius of the proposed Project area. DEQ records also were searched for the presence of solid waste management facilities, Voluntary Remediation Program sites, and petroleum releases. No solid waste management facilities were identified within 0.5 mile of the proposed Project. Twelve Voluntary Remediation Program sites were identified within 0.5 mile of the proposed Project, none of which fall within the right-of-way of the proposed Project.

Thirty-eight listed petroleum releases are located within a 0.5-mile radius of the proposed Project area. These petroleum release sites may include aboveground and underground storage tank releases, as well as aboveground spills. Of the thirty-eight mapped petroleum releases, the closest site (“*Cherner Lincoln Mercury*” 8550 Leesburg Pike, PC # 1992-0932) was mapped approximately seventy (70) feet northwest from the proposed Project boundary. This site falls outside of the right-of-way and the case status is listed as *closed*. One additional petroleum release site

appeared to be relatively near the proposed Project area. This site (“*Exxon Store # 20718*” 8526 Leesburg Pike, PC # 1998-3700 and 2000-3164) was approximately one hundred, seventy-five (175) feet southeast of the proposed Project area. This site falls outside of the right-of-way and the case status for both complaints is listed as *closed*. Additionally, the Company has a procedure in place to handle petroleum-contaminated soil, if encountered; however, as all of the release sites are located outside of the proposed Project area, none of the petroleum release sites are expected to impact the proposed Project.

According to the information reviewed, no large quantity generator facilities were located within a 0.5-mile radius of the proposed Project area.

Sixteen (16) listed small quantity generator facilities are located within a 0.5-mile radius of the proposed Project area (see Table 4 in Attachment 2.E.1). The two facilities (“*Maaco Auto Painting*” and “*Tyson's Auto Specialties*”) with the closest proximity to the proposed Project area are located approximately one hundred, ninety (190) and two hundred, twenty-two (220) feet, respectively, from the proposed project boundary. Due to the distance and regulatory status (no violations found) of the facilities, none appear to warrant further concern relating to the proposed Project.

According to the information reviewed, no permitted Solid Waste facilities appear to be located within a 0.5-mile radius of the proposed Project area.

Tables listing these sites and a discussion of findings are included in Attachment 2.E.1.

F. Natural Heritage, Threatened and Endangered Species

On behalf of the Company, DAA conducted online database searches for threatened and endangered species in the vicinity of the proposed Project, including the U.S. Fish and Wildlife (“USFWS”) Information, Planning, and Conservation (“IPaC”) system, the USFWS Critical Habitat for Threatened and Endangered Species Mapper, the USFWS Bald Eagle Concentration Area Map, the Virginia Department of Wildlife Resources (“VDWR”) Virginia Fish and Wildlife Information Service (“VAFWIS”), the VDWR Northern Long-eared Bat (“NLEB”) Winter Habitat and Roost Trees Map, the Virginia Department of Conservation and Recreation (“VDCR”), the Natural Heritage Data Explorer (“NHDE”), the Center for Conservation Biology (“CCB”) Bald Eagle Nest Locator, and the National Oceanic and Atmospheric Administration (“NOAA”) Section 7 Program. The results are presented in Table 1 below.

Table 1. Threatened and endangered species within the proposed Project vicinity

Species Name (<i>Scientific Name</i>)	Status	Results
Small Whorled Pogonia (<i>Isotria medeoloides</i>) Database: USFWS, VDCR	FT, SE	Site observations of habitat are inconsistent with the species preferred habitat. Minimal clearing is proposed.
Northern long-eared Bat – (<i>Myotis septentrionalis</i>) Database: USFWS-IPAC	FT/ST	No critical habitat designated for this species in Project area. Project area outside known hibernacula and summer roosts for species.
Bald Eagle – (<i>Haliaeetus leucocephalus</i>) Database: CCB	Protected	No Bald Eagle concentrations or nest were identified in the vicinity of the Project area.

FT: federally threatened, FE: federally endangered, ST: state threatened, SE: state endangered, USFWS: US Fish and Wildlife Service, VDCR: Virginia Department of Conservation and Recreation, CCB: Center for Conservation Biology.

The Small Whorled Pogonia can be limited by shade. The species seems to require small light gaps, or canopy breaks, and generally grow in areas with sparse to moderate ground cover. Too many other plants in an area can be harmful to this plant. This orchid typically grows under canopies that are relatively open or near features that create long-persisting breaks in the forest canopy such as a road or a stream. It grows in mixed-deciduous or mixed-deciduous/coniferous forests that are generally in second- or third-growth successional stages. A visit to the proposed Project area revealed the right-of-way areas to be thickly vegetated with vines and shrubs, with limited shade canopy. Site observations of habitat are inconsistent with the species' preferred habitat; therefore, no impacts to the Small Whorled Pogonia are anticipated.

The USFWS-IPaC database identified the federally and state threatened northern long-eared bat as potentially occurring within or near the Project area; however, the VDWR-NLEB Winter Habitat and Roost Tree Map shows no known hibernacula or maternity roost trees within the Project vicinity. Additionally, based on the urban setting of the proposed Project, no tree clearing is proposed, therefore no impacts to the NLEB are anticipated.

Although not initially identified within the proposed Project area, the CCB Bald Eagle Nest Locator database and USFWS Bald Eagle Concentration Map were also reviewed for the potential presence of federally protected Bald Eagles in the proposed Project vicinity. According to the information reviewed, no Bald Eagle concentrations or Bald Eagle nests were identified in the vicinity of the proposed Project area; therefore no impacts to the Bald Eagle are anticipated.

Additionally, the USFWS Map and IPaC database identified no critical habitats in the vicinity of the proposed Project area.

A copy of the database search results can be found in Attachment 2.F.1. Additionally, the Company requested comments from the USFWS, VDWR, and VDCR regarding the proposed Project in July 2020. A copy of the representative response letters are included in Attachment 2.1. The Company submitted the proposed Project to the Division of Natural Heritage (“DNH”) for review on August 31, 2020. The project review from the VDCR’s DNH was received on August 31, 2020, and is included herein as Attachment 2.F.2.

New and updated information is continually added to the VDCR’s Biotics database. Following the VDCR-DNH SCC planning stage project review, the Company shall re-submit project information with completed information services order form and a map to VDCR-DNH or submit the project on-line through the Natural Heritage Data Explorer. This review shall occur during the final stage of engineering and upon any major modifications of the project during construction (i.e., deviations, permanent, or temporary, from the original study area and/or the relocation of a tower(s) into sensitive areas) for an update on natural heritage information and coordination of potential project modifications to avoid and minimize impacts to natural heritage resources.

The Company will also obtain all necessary permits prior to construction, including authorization from the VMRC, DEQ, and the Corps; and coordination with the VDWR, VDCR, USFS, and USFWS, as necessary, will take place through the respective permit processes to avoid and minimize impacts to listed species.

G. Erosion and Sediment Control

The DEQ approved the Company’s *Standards & Specification for Erosion & Sediment Control and Stormwater Management for Construction of Linear Electric Transmission Facilities (TE VEP 8000)*. These specifications are given to the Company’s contractors and require erosion and sediment control measures to be in place before construction of the line begins and specifies the requirements for rehabilitation of the right-of-way. A copy of the current DEQ approval letter dated August 13, 2019, is provided as Attachment 2.G.1.

H. Archaeological, Historic, Scenic, Cultural or Architectural Resources

On behalf of the Company, DAA conducted a Stage I Pre-Application Analysis for the proposed Project. This report was forwarded to VDHR initially in August 2020 and again in September 2020 with an updated Project area. See Attachment 2 for both letters of transmittal. The associated report is included as Attachment 2.H.1.

Preliminary background research was conducted pursuant to the *Guidelines for Assessing Impacts of Proposed Electric Transmission Lines and Associated Facilities on Historic Resources in the Commonwealth of Virginia* (VDHR 2008) for proposed transmission line improvements. As detailed by VDHR guidance, consideration was given to: National Historic Landmark (“NHL”) properties located within a 1.5-mile radius of the Project centerline; National Register of Historic Places (“NRHP”) listed

properties, battlefields, and historic landscapes located within a 1.0-mile radius of the Project centerline; NRHP-eligible sites located within a 0.5-mile radius of the Project centerline; and, archaeological sites located within the Project right-of-way.

Archaeological Resources

Based upon a review of databases maintained by the VDHR, no archaeological sites were identified within the Company-owned property and right-of-way.

Architectural Resources

Based upon a review of databases maintained by the VDHR, no NHL properties were identified within 1.5 mile of the proposed Project area.

Based upon a review of databases maintained by the VDHR, no NRHP-listed properties were identified within 1.0 mile of the proposed Project area.

Based upon a review of databases maintained by the VDHR, no Battlefields or Historic Landscape properties were identified within 1.0 mile of the proposed Project area.

Based upon a review of databases maintained by the VDHR, no NHRP-eligible sites were identified within 0.5 mile of the proposed Project area.

I. Chesapeake Bay Preservation Areas

Construction, installation, operation, and maintenance of electric transmission lines are conditionally exempt from the Chesapeake Bay Preservation Act as stated in the exemption for public utilities, railroads, public roads, and facilities in 9 VAC 25-830-150. The proposed Project is located within Chesapeake Bay Preservation Act jurisdictional counties and will meet these regulations as applicable.

J. Wildlife Resources

Agency databases were reviewed, and agency consultations were initiated with the USFWS, VDWR, and VDCR to determine if the proposed Project has the potential to affect any threatened or endangered species. As discussed in Section 2.F, certain federal and state listed species were identified as confirmed and potentially occurring in the Project area. The Company will coordinate with the USFWS, VDWR, and VDCR as appropriate to determine whether surveys are necessary and to minimize impacts on wildlife resources. The proposed Project involves partial relocation and undergrounding of a transmission line and minimal clearing is needed to support construction activities. As such, no loss of wildlife habitat is anticipated.

K. Recreational, Agricultural and Forest Resources

The Proposed Route is expected to have minimal impacts on recreational, agricultural, and forest resources, since it is largely located within the existing right-of-way and roadways. The Proposed Route will cross land predominately uncategorized, consisting of existing electric utility easements (0.58 mile), road rights-of-way (0.05 mile), and future private service roads (0.05 mile). The Proposed Route will also cross land zoned Industrial, Office, Commercial, and Mixed-Use (Office/Commercial/ Residential).

Recreational Resources

The Virginia Scenic Rivers Act seeks to identify, designate, and protect rivers and streams that possess outstanding scenic, recreational, historic, and natural characteristics of statewide significance for future generations. There are no designated scenic rivers within the immediate vicinity of the proposed Project.

The Proposed Route does not cross and is not in the vicinity of any scenic byways. The nearest scenic byway is the Old Georgetown Pike (SR 193) about 2.4 miles north of the Proposed Route.

According to database research, there are no state or local parks located within the existing transmission corridor right-of-way or proposed Project area. Additionally, there are no state parks located within a mile of the right-of-way. Although not listed in any reviewed databases, the northern border of Old Courthouse Branch Steam Valley Park, listed as a public park with trails and open space (owned by Fairfax County Park Authority), was observed approximately 400 feet south of the proposed Spring Hill Substation area. In addition, the proposed replacement of a single circuit wood pole within the existing right-of-way (Structure #2010/12), is located approximately 150 feet from the local park. Site observations of the local park and Old Courthouse Branch stream revealed existing construction activities and disturbances, not related to this proposed Project, along the stream path. For the proposed Project, minimal disturbance is anticipated for the removal of the existing single circuit wood pole. In addition, DEQ approved the Company's *Standards & Specification for Erosion & Sediment Control and Stormwater Management for Construction of Linear Electric Transmission Facilities (TE VEP 8000)*. These specifications are given to the Company's contractors and require erosion and sediment control measures to be in place before construction of the line begins and specifies the requirements for rehabilitation of the right-of-way. Based on these measures, no impact to the nearby local park is anticipated.

A recently constructed local recreational trail, known as Vesper Trail, appears to exist within a portion of the proposed Project right-of-way. Vesper Trail (a mixed-use trail) was constructed under a negotiated encroachment agreement within the existing transmission easement between Springhill Substation and Leesburg Pike (Route 7). The Proposed Route will temporarily impact operation of the Vesper Trail. The Proposed Route does not cross or parallel any other private recreation areas, other

than the above described Vesper Trail. The Company anticipates working with Fairfax County and the community to attempt to provide temporary access to the trail in the Project area, to the extent feasible.

Under the Virginia Open-Space Land Act, any public body can acquire title or rights to real property to provide means of preservation of open-space land. Such conservation easements must be held for no less than five years in duration and can be held in perpetuity. According to the VDCR's Natural Heritage Data Explorer, there are no conservation easements within one mile of the centerline of the proposed Project area. Additionally, based on the present Comprehensive Plans of Fairfax County, the construction of the Proposed Route should have no impacts on future land use along the route.

Agricultural Resources

The Proposed Route is located entirely within land classified as low suitability within the Virginia Agricultural Model. Additionally, no land classified as prime farmland would be crossed by the Proposed Route. Prime farmland, as defined by the U.S. Department of Agriculture, is land that has the best combination of physical and chemical characteristics for producing food, feed, forage, fiber, and oilseed crops and is available for these uses. Land that does not meet the criteria for prime farmland can be considered "farmland of statewide importance." The criteria for defining and delineating farmland of statewide importance are determined by the Virginia Department of Agriculture and Consumer Services. Generally, this land includes areas of soils that nearly meet the requirements for prime farmland and that economically produce high yields of crops when treated and managed according to acceptable farming methods. Other areas that are not identified as having national or statewide importance can be considered to be "farmland of local importance."

The land within the proposed Project area is urban and not being used for agricultural purposes; therefore, no impacts to important farmlands would occur from construction of the Proposed Route. Fairfax County has designated an Agricultural and Forestal District ("AFD"); however, no AFD's would be crossed by the Proposed Route. Additionally, based on the present Comprehensive Plans of Fairfax County, the construction of the Proposed Route should have no impacts on future land use along the route.

Forest Resources

The proposed Project is expected to have minimal, if any, impact on forest resources. The proposed Project may require trimming of limbs along the right-of-way edges, and/or trimming for access roads along the corridor to support construction activities. No additional clearing is anticipated, other than the possible removal of "danger trees". Any tree along the right-of-way that is tall enough to endanger the conductors if it were to break at the stump or uproot and fall directly towards the conductors and exhibits signs or symptoms of disease or structural defect that make it an elevated

risk for falling will be designated as a “danger tree” and may be removed. The Company’s arborist will contact the property owner, if possible, before any danger trees are cut, except in emergency situations. The Company’s Forestry Coordinator will field inspect the right-of-way and designate any danger trees present. Qualified contractors working in accordance with the Company’s Electric Transmission specifications will perform all danger tree cutting.

In July 2020, the Company solicited VDCR, VOF, the NPS, and CWT for comments on the proposed Project. In an email dated July 30, 2020, the VDCR Environmental Impacts Review Coordinator responded. A copy of this letter is included in Attachment 2.1.

L. Use of Pesticides and Herbicides

Of the techniques available, selective foliar is the preferred method of herbicide application. The Company typically maintains transmission line right-of-way by means of selective, low volume applications of EPA approved, non-restricted use herbicides. The goal of this method is to exclude tall growing brush species from the right-of-way by establishing early successional plant communities of native grasses, forbs, and low growing woody vegetation. “Selective” application means the Company sprays only the undesirable plant species (as opposed to broadcast applications). “Low volume” application means the Company uses only the volume of herbicide necessary to remove the selected plant species. The mixture of herbicides used varies from one cycle to the next to avoid the development of resistance by the targeted plants. There are four means of dispersal available to the Company, including by-hand application, backpack, fixed nozzle-radiarc, and aerial. Very little right-of-way maintenance incorporates aerial equipment. The Company uses licensed contractors to perform this work that are either certified applicators or registered technicians in the Commonwealth of Virginia.

DEQ has previously requested that only herbicides approved for aquatic use by the EPA or the USFWS be used in or around any surface water. The Company intends to comply with this request.

M. Geology and Mineral Resources

The proposed Project is located in the Piedmont physiographic province of Virginia, whose geology consists of a series of igneous and metamorphic rocks. According to the Division of Geology and Mineral Resources Interactive Geologic Map, the proposed Project area consists primarily of schist and lesser gneiss, with mafic and ultramafic rock debris. According to the USGS topographic maps and aerial imagery, there are no active mines or stone quarries within the limits of the proposed Project. A search of the Virginia Department of Mines, Minerals, and Energy online map confirms there are not active or abandoned mines within the right-of-way or within a 1.0-mile radius of the right-of-way. The Company does not anticipate that the undergrounding of the existing transmission line will result in negative impacts on the geology or mineral resources in the proposed Project area.

N. Transportation Infrastructure

The Proposed Route consists of approximately 0.58 mile of variable width right-of-way along existing Line #2010 between Tysons Substation and just south of the future Spring Hill Substation site. It largely will be on existing Company owned right-of-way and deviates for approximately 0.10 mile to accommodate the future site of The View development. The Line will exit the existing Tysons Substation across Tyco Road via VDOT permit and continue southwest for approximately 0.20 mile on existing 42-foot right-of-way. Temporary construction easements will be needed along this segment as will a VDOT permit. At this point, the Line will depart from the existing right-of-way and turn south within a private service road for approximately 0.05 mile on a newly acquired 30-foot easement until it reaches Spring Hill Road (Route 684). Temporary construction easements will be required along this segment.

At Spring Hill Road, the Line will turn west within Spring Hill Road for approximately 0.05 mile via a VDOT permit until it reaches the Leesburg Pike (Route 7). These two 0.05 mile sections of the Line are being relocated outside of the existing right-of-way to accommodate The View, a future development. At Leesburg Pike, the Line turns southwest crossing under the elevated Metro Train Line and crossing Leesburg Pike via a VDOT permit for approximately 0.05 mile and then continues on existing 42-foot right-of-way for approximately 0.14 mile where it turns southeast and goes around the east side of the future Spring Hill Substation site within an existing easement and the future Substation parcel. Temporary construction easements will be required along this segment. Just south of the future Spring Hill Substation parcel, the Line continues on existing 42-foot right-of-way to terminate at a Transition Pole.

The Company will submit applications for land use permits and traffic control plans to the VDOT for crossings of, and work within, VDOT maintained roads and construction entrances from the VDOT right-of-way as needed. These permits will be obtained prior to construction. Anticipated transportation permits are presented in Table 2 below.

Table 2. Anticipated Transportation Permits

Activity	Permit	Agency
Work within VDOT right-of-way	Land Use Permit	Virginia Department of Transportation
VDOT Entrance Permit	Land Use Permit	Virginia Department of Transportation
Work within WMATA right-of-way	WMATA Xing Construction Permit	Washington Metropolitan Area Transit Authority

In July 2020, the Company solicited VDOT for comments on the proposed Project.

The existing proposed Project right-of-way does not cross any railroad tracks, but as noted, does cross the Washington Metropolitan Area Transit Authority (“WMATA”) maintained Metro Train Line. WMATA responded via email dated August 28, 2020, indicating that all work within 50 feet of WMATA facilities and/or within the zone of influence of WMATA facilities shall be in conformance with the WMATA Adjacent Construction Project Manual. See Attachment 2.N.1.

The Company solicited comments from the Virginia Department of Aviation (“DOAv”) regarding the proposed Project. The DOAv responded via letter dated September 3, 2020, indicating there are no public use airports within 20,000 linear feet of the Project and that unless support structures or temporary cranes reach a height of 200 feet above ground level, no airspace case would be required by the Federal Aviation Administration (the “FAA”). See Attachment 2.N.2.

The FAA is responsible for overseeing air transportation in the United States. The FAA manages air traffic in the United States and evaluates physical objects that may affect the safety of aeronautical operations through an obstruction evaluation. The prime objective of the FAA in conducting an obstruction evaluation is to ensure the safety of air navigation and the efficient utilization of navigable airspace by aircraft. The Company has reviewed the FAA’s website (<https://oeaaa.faa.gov/oeaaa/external/portal.jsp>) to identify airports within 10 miles of the proposed Project. The nearest heliport is the private Roubin and Janeiro Incorporated Heliport located about 3.9 miles from the Proposed Route. The nearest public airport is the Dulles International Airport located about 10.5 miles from the Proposed Route. Since the Proposed Route is underground, it would not have any impact on aviation. The FAA responded via email dated September 21, 2020, indicating that prior to construction activities, all applicable documents must be submitted for review and/or applicable permitting. See Attachment 2.N.3.

The Company will coordinate with VDOT, DOAv, and the FAA as necessary to obtain all appropriate approvals.

Attachments

Attachment 2

2.0 – SCOPING LETTERS



July 23, 2020

BY EMAIL

Mr. Troy Andersen
US Fish and Wildlife Service
Ecological Services Virginia Field Office
6669 Short Lane
Gloucester, Virginia 23061

**RE: Dominion Energy Virginia's Proposed Partial Line #2010 230 kV Single Circuit Transmission Line Underground Pilot Program (Tysons-Future Spring Hill Substation), Tysons Corner, Fairfax County, Virginia
Notice Pursuant to Va. Code § 15.2-2202 E**

Dear Mr. Anderson,

Dominion Energy Virginia (the "Company") is proposing the Partial Line #2010 230 kV Single Circuit Transmission Line Underground Pilot Program Project (Tysons-Future Spring Hill Substation) ("Project") located in Fairfax County, Virginia. The Project proposes to remove an approximate 0.44 mile segment of its existing overhead 230 kV Reston-Tysons Line #2010 (the "Existing Facilities"), and relocate the line underground (the "Relocated Facilities"). The proposed 230 kV underground transmission line will be constructed along the Proposed Route through means of open trenching, and other suitable methods, on new 30-foot wide right-of-way permanent easements, transportation rights-of-way of varying width by permit, and on the Company's existing rights-of-way.

The Project is necessary in order to support economic development priorities of the Commonwealth, including the economic development priorities and the comprehensive plan of Fairfax County. Section 56-585.1:5 of the Virginia Code ("Va. Code"), which was enacted as part of the 2018 Grid Transformation and Security Act, was amended recently by the General Assembly of Virginia and signed into law by the Governor on March 4, 2020, to allow for additional projects to qualify for the underground transmission line pilot program authorized therein. Under this amendment, the Company plans to relocate and convert a portion of Transmission Line #2010 (230 kV) between existing Tysons Substation and the future Spring Hill Substation from overhead to underground to facilitate the construction of a large, planned mixed-use development. The portion of the Project that is proposed to be relocated currently transverse the area planned for development.

The Company is preparing an application for a certificate of public convenience and necessity ("CPCN") from the State Corporation Commission ("SCC"). Pursuant to Va. Code § 15.2-2202, the Company is writing to notify you of the specific plans for the proposed Project in advance of the SCC filing. We respectfully request that you submit any comments or additional information you feel would

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have bearing on the Project within 30 days of this letter. Enclosed is a Project Overview Map depicting the Proposed Route and Project location.

If you would like to receive a GIS shapefile of the Proposed Route to assist in your Project review or if you have any questions, please do not hesitate to contact Rachel Studebaker at (804) 217-1847 or Rachel.M.Studebaker@dominionenergy.com. Dominion Energy Virginia appreciates your assistance with this Project review and looks forward to any additional information you may have to offer.

Sincerely,

Dominion Energy Virginia



Richard B. Gangle
Director, Environmental Services

Enclosure: Project Overview Map

Dominion Energy Services, Inc.
120 Tredegar Street
Richmond, VA 23219
DominionEnergy.com



July 23, 2020

BY EMAIL

Ms. Trisha Beasley
Department of Environmental Quality
Wetlands Protection Program
13901 Crown Court
Woodbridge, VA 22193

**RE: Dominion Energy Virginia's Proposed Partial Line #2010 230 kV Single Circuit Transmission Line Underground Pilot Program (Tysons-Future Spring Hill Substation), Tysons Corner, Fairfax County, Virginia
Notice Pursuant to Va. Code § 15.2-2202 E**

Dear Ms. Beasley,

Dominion Energy Virginia (the "Company") is proposing the Partial Line #2010 230 kV Single Circuit Transmission Line Underground Pilot Program Project (Tysons-Future Spring Hill Substation) ("Project") located in Fairfax County, Virginia. The Project proposes to remove an approximate 0.44 mile segment of its existing overhead 230 kV Reston-Tysons Line #2010 (the "Existing Facilities"), and relocate the line underground (the "Relocated Facilities"). The proposed 230 kV underground transmission line will be constructed along the Proposed Route through means of open trenching, and other suitable methods, on new 30-foot wide right-of-way permanent easements, transportation rights-of-way of varying width by permit, and on the Company's existing rights-of-way.

The Project is necessary in order to support economic development priorities of the Commonwealth, including the economic development priorities and the comprehensive plan of Fairfax County. Section 56-585.1:5 of the Virginia Code ("Va. Code"), which was enacted as part of the 2018 Grid Transformation and Security Act, was amended recently by the General Assembly of Virginia and signed into law by the Governor on March 4, 2020, to allow for additional projects to qualify for the underground transmission line pilot program authorized therein. Under this amendment, the Company plans to relocate and convert a portion of Transmission Line #2010 (230 kV) between existing Tysons Substation and the future Spring Hill Substation from overhead to underground to facilitate the construction of a large, planned mixed-use development. The portion of the Project that is proposed to be relocated currently transverse the area planned for development.

The Company is preparing an application for a certificate of public convenience and necessity ("CPCN") from the State Corporation Commission ("SCC"). Pursuant to Va. Code § 15.2-2202, the Company is writing to notify you of the specific plans for the proposed Project in advance of the SCC filing. We respectfully request that you submit any comments or additional information you feel would

Proposed Partial Line 2010
7/23/2020
Page 2 of 2

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If you would like to receive a GIS shapefile of the Proposed Route to assist in your Project review or if you have any questions, please do not hesitate to contact Rachel Studebaker at (804) 217-1847 or Rachel.M.Studebaker@dominionenergy.com. Dominion Energy Virginia appreciates your assistance with this Project review and looks forward to any additional information you may have to offer.

Sincerely,

Dominion Energy Virginia



Richard B. Gangle
Director, Environmental Services

Enclosure: Project Overview Map

Dominion Energy Services, Inc.
120 Tredegar Street
Richmond, VA 23219
DominionEnergy.com



July 23, 2020

BY EMAIL

Ms. Theresita Crockett-Augustine
U.S. Army Corps of Engineers
Norfolk District, Northern Virginia Field Office
18139 Triangle Plaza, Suite 213
Dumfries, VA 22026

RE: Dominion Energy Virginia's Proposed Partial Line #2010 230 kV Single Circuit Transmission Line Underground Pilot Program (Tysons-Future Spring Hill Substation), Tysons Corner, Fairfax County, Virginia Notice Pursuant to Va. Code § 15.2-2202 E

Dear Ms. Crockett-Augustine,

Dominion Energy Virginia (the "Company") is proposing the Partial Line #2010 230 kV Single Circuit Transmission Line Underground Pilot Program Project (Tysons-Future Spring Hill Substation) ("Project") located in Fairfax County, Virginia. The Project proposes to remove an approximate 0.44 mile segment of its existing overhead 230 kV Reston-Tysons Line #2010 (the "Existing Facilities"), and relocate the line underground (the "Relocated Facilities"). The proposed 230 kV underground transmission line will be constructed along the Proposed Route through means of open trenching, and other suitable methods, on new 30-foot wide right-of-way permanent easements, transportation rights-of-way of varying width by permit, and on the Company's existing rights-of-way.

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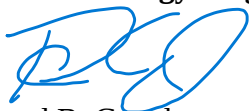
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Proposed Partial Line 2010
7/23/2020
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Sincerely,

Dominion Energy Virginia



Richard B. Gangle
Director, Environmental Services

Enclosure: Project Overview Map



July 23, 2020

BY EMAIL

Ms. Amy M. Ewing
Virginia Department of Wildlife Resources
7870 Villa Park, Suite 400
Henrico, Virginia 23228

**RE: Dominion Energy Virginia's Proposed Partial Line #2010 230 kV Single Circuit Transmission Line Underground Pilot Program (Tysons-Future Spring Hill Substation), Tysons Corner, Fairfax County, Virginia
Notice Pursuant to Va. Code § 15.2-2202 E**

Dear Ms. Ewing,

Dominion Energy Virginia (the "Company") is proposing the Partial Line #2010 230 kV Single Circuit Transmission Line Underground Pilot Program Project (Tysons-Future Spring Hill Substation) ("Project") located in Fairfax County, Virginia. The Project proposes to remove an approximate 0.44 mile segment of its existing overhead 230 kV Reston-Tysons Line #2010 (the "Existing Facilities"), and relocate the line underground (the "Relocated Facilities"). The proposed 230 kV underground transmission line will be constructed along the Proposed Route through means of open trenching, and other suitable methods, on new 30-foot wide right-of-way permanent easements, transportation rights-of-way of varying width by permit, and on the Company's existing rights-of-way.

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Proposed Partial Line 2010
7/23/2020
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Sincerely,

Dominion Energy Virginia



Richard B. Gangle
Director, Environmental Services

Enclosure: Project Overview Map

Dominion Energy Services, Inc.
120 Tredegar Street
Richmond, VA 23219
DominionEnergy.com



July 23, 2020

BY EMAIL

Ms. Michelle Henicheck
Senior Wetland Ecologist
Department of Environmental Quality
P.O. Box 1105
Richmond, VA 23218

**RE: Dominion Energy Virginia’s Proposed Partial Line #2010 230 kV Single Circuit
Transmission Line Underground Pilot Program (Tysons–Future Spring Hill
Substation), Tysons Corner, Fairfax County, Virginia
Notice Pursuant to Va. Code § 15.2-2202 E**

Dear Ms. Henicheck,

Dominion Energy Virginia (the “Company”) is proposing the Partial Line #2010 230 kV Single Circuit Transmission Line Underground Pilot Program Project (Tysons–Future Spring Hill Substation) (“Project”) located in Fairfax County, Virginia. The Project proposes to remove an approximate 0.44 mile segment of its existing overhead 230 kV Reston-Tysons Line #2010 (the “Existing Facilities”), and relocate the line underground (the “Relocated Facilities”). The proposed 230 kV underground transmission line will be constructed along the Proposed Route through means of open trenching, and other suitable methods, on new 30-foot wide right-of-way permanent easements, transportation rights-of-way of varying width by permit, and on the Company’s existing rights-of-way.

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The Company is preparing an application for a certificate of public convenience and necessity (“CPCN”) from the State Corporation Commission (“SCC”). Pursuant to the July 2003 Memorandum of Agreement between the SCC and the Department of Environmental Quality (DEQ) regarding Wetlands Impact Consultation, Dominion Energy is sending this letter to initiate consultation with the DEQ prior to filing an application with the SCC.

Proposed Partial Line 2010
7/23/2020
Page 2 of 2

On May 20, 2020, RES evaluated potential wetlands and other waters of the United States using the Routine Determination Method as outlined in the 1987 Corps of Engineers Wetland Delineation Manual and methods described in the 2010 Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Atlantic and Gulf Coastal Plain Region (Version 2.0). During the investigation, no wetland, streams, or wetland indicators were found within the proposed project limits.

Pursuant to Va. Code § 15.2-2202, the Company is writing to notify you of the specific plans for the proposed Project in advance of the SCC filing. We respectfully request that you submit any comments or additional information you feel would have bearing on the Project within 30 days of this letter. Enclosed is a Project Overview Map depicting the Proposed Route and Project location.

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Sincerely,

Dominion Energy Virginia



Richard B. Gangle
Director, Environmental Services

Enclosure: Project Overview Map

Dominion Energy Services, Inc.
120 Tredegar Street
Richmond, VA 23219
DominionEnergy.com



July 23, 2020

BY EMAIL

Ms. S. Rene Hypes
Department of Conservation and Recreation
Division of Natural Heritage
600 East Main Street, 24th Floor
Richmond, Virginia 23219

**RE: Dominion Energy Virginia’s Proposed Partial Line #2010 230 kV Single Circuit Transmission Line Underground Pilot Program (Tysons–Future Spring Hill Substation), Tysons Corner, Fairfax County, Virginia
Notice Pursuant to Va. Code § 15.2-2202 E**

Dear Ms. Hypes,

Dominion Energy Virginia (the “Company”) is proposing the Partial Line #2010 230 kV Single Circuit Transmission Line Underground Pilot Program Project (Tysons–Future Spring Hill Substation) (“Project”) located in Fairfax County, Virginia. The Project proposes to remove an approximate 0.44 mile segment of its existing overhead 230 kV Reston-Tysons Line #2010 (the “Existing Facilities”), and relocate the line underground (the “Relocated Facilities”). The proposed 230 kV underground transmission line will be constructed along the Proposed Route through means of open trenching, and other suitable methods, on new 30-foot wide right-of-way permanent easements, transportation rights-of-way of varying width by permit, and on the Company’s existing rights-of-way.

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Proposed Partial Line 2010
7/23/2020
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Sincerely,

Dominion Energy Virginia



Richard B. Gangle
Director, Environmental Services

Enclosure: Project Overview Map

Dominion Energy Services, Inc.
120 Tredegar Street
Richmond, VA 23219
DominionEnergy.com



July 23, 2020

BY EMAIL

Ms. Amy M. Ewing
Virginia Department of Wildlife Resources
7870 Villa Park, Suite 400
Henrico, Virginia 23228

**RE: Dominion Energy Virginia's Proposed Partial Line #2010 230 kV Single Circuit Transmission Line Underground Pilot Program (Tysons-Future Spring Hill Substation), Tysons Corner, Fairfax County, Virginia
Notice Pursuant to Va. Code § 15.2-2202 E**

Dear Ms. Ewing,

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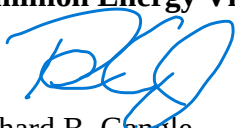
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Proposed Partial Line 2010
7/23/2020
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Sincerely,

Dominion Energy Virginia



Richard B. Gangle
Director, Environmental Services

Enclosure: Project Overview Map

Dominion Energy Services, Inc.
120 Tredegar Street
Richmond, VA 23219
DominionEnergy.com



July 23, 2020

BY EMAIL

Ms. Robbie Rhur
Department of Conservation and Recreation
600 East Main Street, 17th Floor
Richmond, Virginia 23219

**RE: Dominion Energy Virginia's Proposed Partial Line #2010 230 kV Single Circuit Transmission Line Underground Pilot Program (Tysons-Future Spring Hill Substation), Tysons Corner, Fairfax County, Virginia
Notice Pursuant to Va. Code § 15.2-2202 E**

Dear Ms. Rhur,

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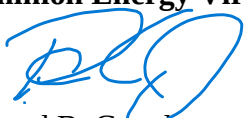
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Proposed Partial Line 2010
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Sincerely,

Dominion Energy Virginia



Richard B. Gangle
Director, Environmental Services

Enclosure: Project Overview Map

Dominion Energy Services, Inc.
120 Tredegar Street
Richmond, VA 23219
DominionEnergy.com



July 23, 2020

BY EMAIL

Mr. Keith Tignor
Endangered Species Coordinator
Virginia Department of Agriculture and Consumer Affairs
102 Governor Street
Richmond, Virginia 23219

RE: Dominion Energy Virginia's Proposed Partial Line #2010 230 kV Single Circuit Transmission Line Underground Pilot Program (Tysons-Future Spring Hill Substation), Tysons Corner, Fairfax County, Virginia Notice Pursuant to Va. Code § 15.2-2202 E

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Proposed Partial Line 2010
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Sincerely,

Dominion Energy Virginia



Richard B. Gangle
Director, Environmental Services

Enclosure: Project Overview Map

Dominion Energy Services, Inc.
120 Tredegar Street
Richmond, VA 23219
DominionEnergy.com



July 23, 2020

BY EMAIL

Mr. Tony Watkinson
Habitat Management Division
Virginia Marine Resources Commission
380 Fenwick Road
Hampton, Virginia 23651

**RE: Dominion Energy Virginia’s Proposed Partial Line #2010 230 kV Single Circuit Transmission Line Underground Pilot Program (Tysons–Future Spring Hill Substation), Tysons Corner, Fairfax County, Virginia
Notice Pursuant to Va. Code § 15.2-2202 E**

Dear Mr. Watkinson,

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Proposed Partial Line 2010
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Sincerely,

Dominion Energy Virginia



Richard B. Gangle
Director, Environmental Services

Enclosure: Project Overview Map

July 31, 2020

BY EMAIL

Mr. Scott Denny
Virginia Department of Aviation
Airport Services Division, Planning and Environmental Section
5702 Gulfstream Road
Richmond, Virginia 23250

**RE: Dominion Energy Virginia's Proposed Partial Line #2010 230 kV Single Circuit
Transmission Line Underground Pilot Program (Tysons–Future Spring Hill Substation),
Tysons Corner, Fairfax County, Virginia
Notice Pursuant to Va. Code § 15.2-2202 E**

Dear Mr.Denny,

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If you would like to receive a GIS shapefile of the Proposed Route to assist in your Project review or if you have any questions, please do not hesitate to contact me at (804) 771-4458 or Charles.H.Weil@dominionenergy.com.

Dominion Energy Virginia appreciates your assistance with this Project review and looks forward to any additional information you may have to offer

Sincerely ,

Dominion Energy Virginia

A handwritten signature in black ink, appearing to read "Charles H. Weil". The signature is fluid and cursive, with the first name "Charles" and last name "Weil" clearly distinguishable.

Charles H. Weil, PE
Engineer II, Siting and Permitting

Attachment: Project Overview Map

From: [Charles H Weil \(Services - 6\)](#)
To: ["Scott Denny"](#)
Subject: #2010 230kV Single Circuit Transmission Line Underground Pilot Program - Updated Project Map
Date: Wednesday, September 2, 2020 4:41:00 PM
Attachments: [image001.png](#)
[V.A - Notice Map_Spring Hill - Tysons COLOR.pdf](#)

Good afternoon Mr. Denny,

I wrote to you on July 31 regarding our Underground 230kV relocation project in Fairfax County (Spring Hill Substation to Tysons Substation). We updated our project map to include a new pole (2010/12) and transition pole just south of our Spring Hill Substation that I wanted to make you aware of. Please see the attached map. If you have any questions or concerns, please let me know.

Thank you,

Chuck Weil, PE

Engineer II

Siting & Permitting, Electric Transmission

10900 Nuckols Rd, 4th Floor, Glen Allen, VA 23060

O: 804-771-4458 M: 804-239-6450



July 31, 2020

BY EMAIL

Mr. Doug Felix
Federal Aviation Administration,
Obstruction Evaluation Group, AJV-A520, Tetra Tech AMT Support
10101 Hillwood Parkway
Fort Worth, Texas 76177

**RE: Dominion Energy Virginia's Proposed Partial Line #2010 230 kV Single Circuit
Transmission Line Underground Pilot Program (Tysons–Future Spring Hill Substation),
Tysons Corner, Fairfax County, Virginia
Notice Pursuant to Va. Code § 15.2-2202 E**

Dear Mr Felix,

Dominion Energy Virginia (the “Company”) is proposing the Partial Line #2010 230 kV Single Circuit Transmission Line Underground Pilot Program Project (Tysons–Future Spring Hill Substation) (“Project”) located in Fairfax County, Virginia. The Project proposes to remove an approximate 0.44 mile segment of its existing overhead 230 kV Reston-Tysons Line #2010 (the “Existing Facilities”), and relocate the line underground (the “Relocated Facilities”). The proposed 230 kV underground transmission line will be constructed along the Proposed Route through means of open trenching, and other suitable methods, on new 30-foot wide right-of-way permanent easements, transportation rights-of-way of varying width by permit, and on the Company’s existing rights-of-way.

The Project is necessary in order to support economic development priorities of the Commonwealth, including the economic development priorities and the comprehensive plan of Fairfax County. Section 56-585.1:5 of the Virginia Code (“Va. Code”), which was enacted as part of the 2018 Grid Transformation and Security Act, was amended recently by the General Assembly of Virginia and signed into law by the Governor on March 4, 2020, to allow for additional projects to qualify for the underground transmission line pilot program authorized therein. Under this amendment, the Company plans to relocate and convert a portion of Transmission Line #2010 (230 kV) between existing Tysons Substation and the future Spring Hill Substation from overhead to underground to facilitate the construction of a large, planned mixed-use development. The portion of the Project that is proposed to be relocated currently transverse the area planned for development.

The Company is preparing an application for a certificate of public convenience and necessity (“CPCN”) from the State Corporation Commission (“SCC”). Pursuant to Va. Code § 15.2-2202, the Company is writing to notify you of the specific plans for the proposed Project in advance of the SCC filing. We respectfully request that you submit any comments or additional information you feel would have bearing on the Project within 30 days of this letter. Enclosed is a Project Overview Map depicting the Proposed Route and Project location.

If you would like to receive a GIS shapefile of the Proposed Route to assist in your Project review or if you have any questions, please do not hesitate to contact me at (804) 771-4458 or Charles.H.Weil@dominionenergy.com.

Dominion Energy Virginia appreciates your assistance with this Project review and looks forward to any additional information you may have to offer

Sincerely ,

Dominion Energy Virginia

A handwritten signature in black ink, appearing to read "Charles H. Weil". The signature is fluid and cursive, with the first name "Charles" and last name "Weil" clearly distinguishable.

Charles H. Weil, PE
Engineer II, Siting and Permitting

Attachment: Project Overview Map

September 21, 2020

BY EMAIL

Ms. Joan Tengowski
Federal Aviation Administration,
Obstruction Evaluation Group, AJV-A520, Tetra Tech AMT Support
10101 Hillwood Parkway
Fort Worth, Texas 76177

**RE: Dominion Energy Virginia's Proposed Partial Line #2010 230 kV Single Circuit
Transmission Line Underground Pilot Program (Tysons–Future Spring Hill Substation),
Tysons Corner, Fairfax County, Virginia
Notice Pursuant to Va. Code § 15.2-2202 E**

Dear Ms. Tengowski,

Dominion Energy Virginia (the “Company”) is proposing the Partial Line #2010 230 kV Single Circuit Transmission Line Underground Pilot Program Project (Tysons–Future Spring Hill Substation) (“Project”) located in Fairfax County, Virginia. The Project proposes to remove an approximate 0.44 mile segment of its existing overhead 230 kV Reston-Tysons Line #2010 (the “Existing Facilities”), and relocate the line underground (the “Relocated Facilities”). The proposed 230 kV underground transmission line will be constructed along the Proposed Route through means of open trenching, and other suitable methods, on new 30-foot wide right-of-way permanent easements, transportation rights-of-way of varying width by permit, and on the Company’s existing rights-of-way.

The Project is necessary in order to support economic development priorities of the Commonwealth, including the economic development priorities and the comprehensive plan of Fairfax County. Section 56-585.1:5 of the Virginia Code (“Va. Code”), which was enacted as part of the 2018 Grid Transformation and Security Act, was amended recently by the General Assembly of Virginia and signed into law by the Governor on March 4, 2020, to allow for additional projects to qualify for the underground transmission line pilot program authorized therein. Under this amendment, the Company plans to relocate and convert a portion of Transmission Line #2010 (230 kV) between existing Tysons Substation and the future Spring Hill Substation from overhead to underground to facilitate the construction of a large, planned mixed-use development. The portion of the Project that is proposed to be relocated currently transverses the area planned for development.

The Company is preparing an application for a certificate of public convenience and necessity (“CPCN”) from the State Corporation Commission (“SCC”). Pursuant to Va. Code § 15.2-2202, the Company is writing to notify you of the specific plans for the proposed Project in advance of the SCC filing. We respectfully request that you submit any comments or additional information you feel would have bearing on the Project within 30 days of this letter. Enclosed is a Project Overview Map depicting the Proposed Route and Project location.

If you would like to receive a GIS shapefile of the Proposed Route to assist in your Project review or if you have any questions, please do not hesitate to contact me at (804) 771-4458 or Charles.H.Weil@dominionenergy.com.

Dominion Energy Virginia appreciates your assistance with this Project review and looks forward to any additional information you may have to offer

Sincerely ,

Dominion Energy Virginia

A handwritten signature in black ink, appearing to read "Charles H. Weil". The signature is fluid and cursive, with the first name "Charles" and last name "Weil" clearly distinguishable.

Charles H. Weil, PE
Engineer II, Siting and Permitting

Attachment: Project Overview Map



Letter of Transmittal

To: Roger Kirchen
Dept. of Historic Resources
Review and Compliance Division
2801 Kensington Avenue
Richmond, VA 23221

Date: 08/20/2020
Project Number: 18020160-110303
Project Name: Tyson-Future Spring Hill Substation
Phone No.

cc:

We are sending you via: ☐ UPS ☐ USPS ☒ Hand Delivered ☐ _____

☒ Attached ☐ Under separate cover

☐ Shop Drawings ☐ Prints ☐ Plans ☐ Specifications ☐ Samples

☐ Copy of letter ☐ Plats ☐ Proposal ☐ Change Order ☒ Report

☒ Other: and flash drive copy

Copies	Date	No.	Description
1	8/20/2020		Stage 1 Pre-Application Analysis for Dominion Energy

These are transmitted as checked below:

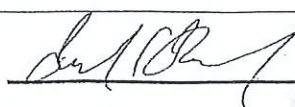
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REMARKS:

Proposed Dominion Energy Virginia partial line relocation and undergrounding project in Tysons Corner, Virginia (Fairfax County). Please review findings and comment if needed.

Thank you.

Printed Name: Scott Blommel
Title: Project Envr. Scientist

Signature: 

sblommel@daa.com
804-387-8932

Document4

From: [Charles H Weil \(Services - 6\)](#)
To: doug.felix@faa.gov
Subject: #2010 230kV Single Circuit Transmission Line Underground Pilot Program - Updated Project Map
Date: Friday, September 4, 2020 7:31:00 AM
Attachments: [V.A - Notice Map_Spring Hill - Tysons COLOR.pdf](#)
[image001.png](#)

Good afternoon Mr. Felix,

I wrote to you on July 31 regarding our Underground 230kV relocation project in Fairfax County (Spring Hill Substation to Tysons Substation). We updated our project map to include a new transmission structure (2010/12) and transition pole just south of our Spring Hill Substation that I wanted to make you aware of. Please see the attached updatd map. This is just a preliminary notice for our application process and we will be filing a formal FAA notification closer to construction time. If you have any questions or concerns, please let me know.

Thank you,

Chuck Weil, PE

Engineer II

Siting & Permitting, Electric Transmission

10900 Nuckols Rd, 4th Floor, Glen Allen, VA 23060

O: 804-771-4458 M: 804-239-6450



From: [Charles H Weil \(Services - 6\)](#)
To: HunterMillBOS@fairfaxcounty.gov
Subject: #2010 230kV Single Circuit Transmission Line Underground Pilot Program - Updated Project Map
Date: Friday, September 4, 2020 7:46:00 AM
Attachments: [V.A - Notice Map_Spring Hill - Tysons COLOR.pdf](#)
[image001.png](#)

Good morning Mr. Alcorn,

I wrote to you on July 31 regarding our Underground 230kV relocation project in Fairfax County (Spring Hill Substation to Tysons Substation). We updated our project map to include a new transmission structure (2010/12) and transition pole just south of our Spring Hill Substation of which I wanted to make you aware. Please see the attached updated map. If you have any questions or concerns, please let me know.

Thank you,

Chuck Weil, PE

Engineer II
Siting & Permitting, Electric Transmission
10900 Nuckols Rd, 4th Floor, Glen Allen, VA 23060
O: 804-771-4458 M: 804-239-6450



From: [Charles H Weil \(Services - 6\)](#)
To: provdist@fairfaxcounty.gov
Subject: #2010 230kV Single Circuit Transmission Line Underground Pilot Program - Updated Project Map
Date: Friday, September 4, 2020 8:03:00 AM
Attachments: [V.A - Notice Map_Spring Hill - Tysons COLOR.pdf](#)
[image001.png](#)

Good morning Ms. Palchik,

I wrote to you on July 31 regarding our Underground 230kV relocation project in Fairfax County (Spring Hill Substation to Tysons Substation). We updated our project map to include a new transmission structure (2010/12) and transition pole just south of our Spring Hill Substation of which I wanted to make you aware. Please see the attached updated map. If you have any questions or concerns, please let me know.

Thank you,

Chuck Weil, PE

Engineer II

Siting & Permitting, Electric Transmission

10900 Nuckols Rd, 4th Floor, Glen Allen, VA 23060

O: 804-771-4458 M: 804-239-6450



From: [Charles H Weil \(Services - 6\)](#)
To: Barbara.Byron@fairfaxcounty.gov
Subject: #2010 230kV Single Circuit Transmission Line Underground Pilot Program - Updated Project Map
Date: Friday, September 4, 2020 8:05:00 AM
Attachments: [V.A - Notice Map_Spring Hill - Tysons COLOR.pdf](#)
[image001.png](#)

Good morning Ms. Byron,

I wrote to you on July 31 regarding our Underground 230kV relocation project in Fairfax County (Spring Hill Substation to Tysons Substation). We updated our project map to include a new transmission structure (2010/12) and transition pole just south of our Spring Hill Substation of which I wanted to make you aware. Please see the attached updated map. If you have any questions or concerns, please let me know.

Thank you,

Chuck Weil, PE

Engineer II
Siting & Permitting, Electric Transmission
10900 Nuckols Rd, 4th Floor, Glen Allen, VA 23060
O: 804-771-4458 M: 804-239-6450



From: [Byron, Barbara A.](#)
To: [Charles H Weil \(Services - 6\)](#)
Subject: [EXTERNAL] Re: #2010 230kV Single Circuit Transmission Line Underground Pilot Program - Updated Project Map
Date: Friday, September 4, 2020 8:11:21 AM
Attachments: [image001.png](#)

Thank you. I will forward it to the appropriate staff.

Get [Outlook for iOS](#)

From: Charles.H.Weil@dominionenergy.com <Charles.H.Weil@dominionenergy.com>
Sent: Friday, September 4, 2020 8:05:27 AM
To: Byron, Barbara A. <Barbara.Byron@fairfaxcounty.gov>
Subject: #2010 230kV Single Circuit Transmission Line Underground Pilot Program - Updated Project Map

Good morning Ms. Byron,

I wrote to you on July 31 regarding our Underground 230kV relocation project in Fairfax County (Spring Hill Substation to Tysons Substation). We updated our project map to include a new transmission structure (2010/12) and transition pole just south of our Spring Hill Substation of which I wanted to make you aware. Please see the attached updated map. If you have any questions or concerns, please let me know.

Thank you,

Chuck Weil, PE

Engineer II
Siting & Permitting, Electric Transmission
10900 Nuckols Rd, 4th Floor, Glen Allen, VA 23060
O: 804-771-4458 M: 804-239-6450



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Letter of Transmittal

To: Roger Kirchen
Dept. of Historic Resources
Review and Compliance Division
2801 Kensington Avenue
Richmond, VA 23221

Date: 09/17/20
Project Number: 18020160-110303
Project Name: Tyson-Future Spring Hill
Substation Addendum
Phone No. 804-387-8932

cc:

We are sending you via: ☐ UPS ☐ USPS ☒ Hand Delivered ☐ _____

- ☐ Attached ☐ Under separate cover
☐ Shop Drawings ☐ Prints ☐ Plans ☐ Specifications ☐ Samples
☐ Copy of letter ☐ Plats ☐ Proposal ☐ Change Order ☐ Report
☒ Other: Addendum

Copies	Date	No.	Description
1	09/17/20	1	Stage 1 Pre-Application Analysis for Dominion Energy - Addendum

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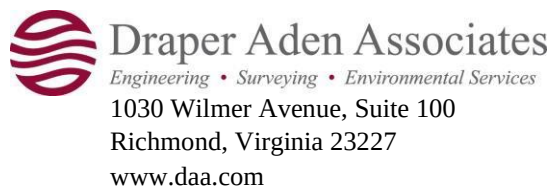
REMARKS:

Addendum to previously submitted Tysons - Spring Hill Stage 1 Pre-Application Analysis (submitted August 20, 2020). Revised boundary and database research.

Printed Name: Scott Blommel
Title: Project Envr. Scientist
Draper Aden Assoc.

Signature: 

Document4



MEMORANDUM

TO: Mr. Roger Kirchen
Department of Historic Resources
Review and Compliance Division
2801 Kensington Avenue
Richmond, Virginia 23221

FROM: Bernard S. Blommel 
Environmental Services Division

DATE: 09-17-20

SUBJECT: Addendum to Previously Submitted:
Stage 1 Pre-Application Analysis for Dominion Energy Virginia
Partial Line #2010 230kV Single Circuit Transmission Line Underground Pilot
Program (Tysons – Future Spring Hill Substation)

DAA Project No. 18020160-110303

Draper Aden Associates (DAA), on behalf of Dominion Energy Virginia, performed a Stage 1 Pre-Application Analysis of the proposed project area for the Partial Line #2010 230kV Single Circuit Transmission Line Underground Pilot Program (Tysons – Future Spring Hill Substation). This proposed Project was submitted for review to the Virginia Department of Historic Resources on August 20, 2020. Since that submittal, we updated our project map to include a new transmission structure (#2010/12) and transition pole just south of our Spring Hill Substation. Due to the revision of the proposed Project boundary, we updated our review of the Virginia Cultural Resource Information System (V-CRIS) database. The updated findings are presented below:

An updated search of the V-CRIS database revealed that forty-seven (47) architectural resources were mapped within 1.5 mile of the proposed project area, however none of these sites appeared to be listed as NHL properties.

An updated search of the V-CRIS database revealed that thirty (30) architectural resources were mapped within 1.0 mile of the proposed project area, however none of these sites appeared to be listed as NRHP-listed properties.

An updated search of the V-CRIS database did not reveal any Battlefields or Historic Landscapes mapped within 1.0 mile of the proposed project area.

M. Roger Kirchen
September 17, 2020
Page 2

An updated search of the V-CRIS database revealed that thirteen (17) architectural resources were mapped within 0.5 mile of the proposed project area, however none of these sites appeared to be listed as NRHP-eligible properties.

An updated search of the V-CRIS database revealed that eleven (15) archaeological resources were mapped within 0.5 mile of the proposed project area, however none of these sites appeared to be located within the Dominion Energy-owned property or ROW for the proposed undergrounding project.

A map of the updated Project boundary is attached.

Revised V-CRIS mapping and lists of the updated architectural and archaeological database findings are attached.



If you have any questions, please contact me (Sblommel@daa.com) by email or by telephone (804.264.2228).

Attachments: Revised Project Map
Cultural Research – V-CRIS Maps
Cultural Research - VDHR Database Tables

cc: Mr. Ken Wagner (DAA – Program Manager)

Attachment 2.1

2.1 – SCOPING LETTER RESPONSES



COMMONWEALTH of VIRGINIA

DEPARTMENT OF ENVIRONMENTAL QUALITY

Street address: 629 East Main Street, Richmond, Virginia 23219

Mailing address: P.O. Box 1105, Richmond, Virginia 23218

www.deq.virginia.gov

Matthew J. Strickler
Secretary of Natural Resources

David K. Paylor
Director

(804) 698-4000
1-800-592-5482

July 30, 2020

Rachel Studebaker
Dominion Energy Services, Inc.
120 Tredegar Street
Richmond, VA 23219
Rachel.M.Studebaker@dominionenergy.com

RE: Dominion Energy Virginia's Proposed Partial Line #2010 230 kV Single Circuit Transmission Line Underground Pilot Program (Tysons–Future Spring Hill Substation), Tysons Corner, Fairfax County, Virginia

Dear Ms. Studebaker:

This letter is in response to the scoping request for the above-referenced project.

As you may know, the Department of Environmental Quality, through its Office of Environmental Impact Review (DEQ-OEIR), is responsible for coordinating Virginia's review of environmental impacts for electric power generating projects and power line projects in conjunction with the licensing process of the State Corporation Commission.

DOCUMENT SUBMISSIONS

In order to ensure an effective coordinated review of the environmental impact analysis may be sent directly to OEIR. We request that you submit one electronic to eir@deq.virginia.gov (25 MB maximum) or make the documents available for download at a website, file transfer protocol (ftp) site or the VITA LFT file share system (Requires an "invitation" for access. An invitation request should be sent to eir@deq.virginia.gov). The required "Wetlands Impact Consultation" should be sent directly to Michelle Henicheck at michelle.henicheck@deq.virginia.gov or at the address above.

ENVIRONMENTAL REVIEW UNDER VIRGINIA CODE 56-46.1

While this Office does not participate in scoping efforts beyond the advice given herein, other agencies are free to provide scoping comments concerning the preparation of the environmental impact analysis document. Accordingly, Dominion should coordinate with the following state agencies and those localities and Planning District Commissions, including but not limited to:

- Department of Environmental Quality:
- DEQ Regional Office

- Air Division
- Office of Wetlands and Stream Protection
- Office of Local Government Programs
- Division of Land Protection and Revitalization
- Office of Stormwater Management

Department of Conservation and Recreation
Department of Health
Department of Agriculture and Consumer Services
Department of Game and Inland Fisheries
Virginia Marine Resources Commission
Department of Historic Resources
Department of Mines, Minerals, and Energy
Department of Forestry
Department of Transportation

DATA BASE ASSISTANCE

Below is a list of databases that may assist you in the preparation of a NEPA document:

- DEQ Online Database: Virginia Environmental Geographic Information Systems

Information on Permitted Solid Waste Management Facilities, Impaired Waters, Petroleum Releases, Registered Petroleum Facilities, Permitted Discharge (Virginia Pollution Discharge Elimination System Permits) Facilities, Resource Conservation and Recovery Act (RCRA) Sites, Water Monitoring Stations, National Wetlands Inventory:

- www.deq.virginia.gov/ConnectWithDEQ/VEGIS.aspx

- DEQ Virginia Coastal Geospatial and Educational Mapping System (GEMS)

Virginia's coastal resource data and maps; coastal laws and policies; facts on coastal resource values; and direct links to collaborating agencies responsible for current data:

- <http://128.172.160.131/gems2/>

- MARCO Mid-Atlantic Ocean Data Portal

The Mid-Atlantic Ocean Data Portal is a publicly available online toolkit and resource center that consolidates available data and enables users to visualize and analyze ocean resources and human use information such as fishing grounds, recreational areas, shipping lanes, habitat areas, and energy sites, among others.

<http://portal.midatlanticocean.org/visualize/#x=-73.24&y=38.93&z=7&logo=true&controls=true&basemap=Ocean&tab=data&legends=false&layers=true>

- DHR Data Sharing System.

Survey records in the DHR inventory:

- www.dhr.virginia.gov/archives/data_sharing_sys.htm

- DCR Natural Heritage Search

Produces lists of resources that occur in specific counties, watersheds or physiographic regions:

- www.dcr.virginia.gov/natural_heritage/dbsearchtool.shtml

- DGIF Fish and Wildlife Information Service

Information about Virginia's Wildlife resources:

- <http://vafwis.org/fwis/>

- Total Maximum Daily Loads Approved Reports

- <https://www.deq.virginia.gov/programs/water/waterqualityinformationtmdls/tmdl/tmdldevelopment/approvedtmdlreports.aspx>

- Virginia Outdoors Foundation: Identify VOF-protected land

- <http://vof.maps.arcgis.com/home/index.html>

- Environmental Protection Agency (EPA) Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS) Database: Superfund Information Systems

Information on hazardous waste sites, potentially hazardous waste sites and remedial activities across the nation, including sites that are on the National Priorities List (NPL) or being considered for the NPL:

- www.epa.gov/superfund/sites/cursites/index.htm

- EPA RCRAInfo Search

Information on hazardous waste facilities:

- www.epa.gov/enviro/facts/rcrainfo/search.html

- Total Maximum Daily Loads Approved Reports

- <https://www.deq.virginia.gov/programs/water/waterqualityinformationtmdls/tmdl/tmdldevelopment/approvedtmdlreports.aspx>

- EPA Envirofacts Database

EPA Environmental Information, including EPA-Regulated Facilities and Toxics Release Inventory Reports:

- www.epa.gov/enviro/index.html

- EPA NEPAassist Database

Facilitates the environmental review process and project planning:

- <http://nepaassisttool.epa.gov/nepaassist/entry.aspx>

If you have questions about the environmental review process, please feel free to contact me (telephone (804) 698-4204 or e-mail bettina.rayfield@deq.virginia.gov).

I hope this information is helpful to you.

Sincerely,

A handwritten signature in black ink, appearing to read "Bettina Rayfield". The signature is fluid and cursive, with a long horizontal stroke at the end.

Bettina Rayfield, Program Manager
Environmental Impact Review and
Long-Range Priorities

Rachel M Studebaker (Services - 6)

From: Henicheck, Michelle <michelle.henicheck@deq.virginia.gov>
Sent: Wednesday, September 16, 2020 4:49 PM
To: Rachel M Studebaker (Services - 6)
Subject: [EXTERNAL] Re: Re: Line 2010 Underground Relocation Project

Follow Up Flag: Follow up
Flag Status: Completed

Because no additional wetlands exist in this new area and it all consist of uplands, then my current comment letter remains valid with no additional changes. Thank you for updating me on the project results.

Thanks,

Michelle Henicheck, PWS
Senior Wetland Ecologist
Virginia Department of Environmental Quality

Phone: 804.698.4007
Email: michelle.henicheck@deq.virginia.gov

New Location:
1111 East Main Street, Suite 1400
Richmond, Virginia 23219

On Tue, Sep 15, 2020 at 2:11 PM Rachel.M.Studebaker@dominionenergy.com
<Rachel.M.Studebaker@dominionenergy.com> wrote:

Hi Michelle,

As I mentioned below, we extended the project area to the south to include a proposed transition pole due to some engineering changes (see attached map). Therefore, we performed an additional wetland delineation on this new portion of the project area. According to the results, no wetlands were found and the entire 9.74-acre project area consists solely of uplands.

Please let me know if this changes the outcome of your original response letter. Additionally, please let me know if you need any further information.

Thank you,

Rachel

From: Rachel M Studebaker (Services - 6)
Sent: Thursday, August 27, 2020 12:52 PM
To: Henicheck, Michelle <michelle.henicheck@deq.virginia.gov>
Subject: RE: [EXTERNAL] Re: Line 2010 Underground Relocation Project

Hi Michelle,

Thank you for your response. I just found out that we have to modify the project area slightly due to some engineering changes. Unfortunately, we do anticipate some wetlands in this new area, so we are sending out a crew to delineate the new area soon. I will send an updated letter once I have the updated delin report.

Thanks again,

Rachel

From: Henicheck, Michelle <michelle.henicheck@deq.virginia.gov>
Sent: Wednesday, August 26, 2020 4:27 PM
To: Rachel M Studebaker (Services - 6) <Rachel.M.Studebaker@dominionenergy.com>
Subject: [EXTERNAL] Re: Line 2010 Underground Relocation Project

Rachel,

Attached is my comment letter. Please let me know if you have any questions.

Thanks,

Michelle Henicheck, PWS
Senior Wetland Ecologist
Virginia Department of Environmental Quality

Phone: 804.698.4007

Email: michelle.henicheck@deq.virginia.gov

New Location:

1111 East Main Street, Suite 1400
Richmond, Virginia 23219

On Mon, Jul 27, 2020 at 11:49 AM Rachel.M.Studebaker@dominionenergy.com
<Rachel.M.Studebaker@dominionenergy.com> wrote:

Ms. Henicheck,

Please see the attached letter and project map notifying you of the proposed transmission line underground relocation project located in Fairfax County, Virginia.

Please contact me with any questions or for additional information.

Thank you,

Rachel Studebaker

Environmental Specialist II

Dominion Energy Services

120 Tredegar Street, Richmond, VA 23219

Office: (804) 273-4086

Cell: (804) 217-1847



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COMMONWEALTH of VIRGINIA

DEPARTMENT OF ENVIRONMENTAL QUALITY

Street address: 1111 E. Main Street, Suite 1400, Richmond, Virginia 23219

Mailing address: P.O. Box 1105, Richmond, Virginia 23218

www.deq.virginia.gov

Matthew J. Strickler
Secretary of Natural Resources

David K. Paylor
Director

(804) 698-4000
1-800-592-5482

August 26, 2020

Ms. Rachel Studebaker
Dominion Energy Services
120 Tredegar Street,
Richmond, VA 23219

**RE: Dominion Energy Virginia's Proposed Partial Line #2010 230 kV Single Circuit Transmission Line Underground Pilot Program (Tysons–Future Spring Hill Substation), Tysons Corner, Fairfax County, Virginia
Notice Pursuant to Va. Code § 15.2-2202 E**

Dear Ms. Studebaker:

In accordance with the Department of Environmental Quality-State Corporation Commission *Memorandum of Agreement Regarding Wetland Impact Consultation* (July 2003), we have reviewed the information submitted by Dominion Energy (here after, Dominion) regarding potential wetland impacts on the above referenced project. Dominion is proposing the Partial Line #2010 230 kV Single Circuit Transmission Line Underground Pilot Program Project (Tysons–Future Spring Hill Substation) ("Project") located in Fairfax County, Virginia. The Project proposes to remove an approximate 0.44 mile segment of its existing overhead 230 kV Reston-Tysons Line #2010 (the "Existing Facilities"), and relocate the line underground (the "Relocated Facilities"). The proposed 230 kV underground transmission line will be constructed along the Proposed Route through means of open trenching, and other suitable methods, on new 30-foot wide right-of-way permanent easements, transportation rights-of-way of varying width by permit, and on the Company's existing rights-of-way.

Summary of Findings

On May 20, 2020, RES evaluated potential wetlands and other waters of the United States using the Routine Determination Method as outlined in the 1987 Corps of Engineers Wetland Delineation Manual and methods described in the 2010 Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Atlantic and Gulf Coastal Plain Region (Version 2.0). During the investigation, no wetland, streams, or wetland indicators were found within the proposed project limits.

Permits:

Based on DEQ's review of the information provided dated July 23rd, the proposed project does not require a Virginia Water Protection (VWP) individual permit or general permit. Should the scope of work change, then the project will need to be re-evaluated for potential coverage under DEQ.

Should you have any questions, please don't hesitate to contact me at 804-698-4007 or at michelle.henichuck@deq.virginia.gov.

Sincerely,

Michelle Henichuck

Michelle Henichuck, PWS
Senior Wetland Ecologist
Office of Wetlands & Stream Protection

Rachel M Studebaker (Services - 6)

From: Case, Rachel L <rachel_case@fws.gov> on behalf of Virginia Field Office, FW5 <virginiafieldoffice@fws.gov>
Sent: Monday, August 17, 2020 8:50 AM
To: Rachel M Studebaker (Services - 6)
Subject: Re: [EXTERNAL] Line 2010 Underground Relocation Project

Rachel,

Thank you for notifying our office about this project. Our office utilizes an online project review process, which can be found on our website

at: <https://www.fws.gov/northeast/virginiafield/endangered/projectreviews.html>.

If you would like us to review your project please complete this process and submit a project package.

Regards,
Rachel

From: Rachel.M.Studebaker@dominionenergy.com <Rachel.M.Studebaker@dominionenergy.com>
Sent: Monday, July 27, 2020 11:45 AM
To: Andersen, Troy M <troy_andersen@fws.gov>
Subject: [EXTERNAL] Line 2010 Underground Relocation Project

This email has been received from outside of DOI - Use caution before clicking on links, opening attachments, or responding.

Mr. Andersen,

Please see the attached letter and project map notifying you of the proposed transmission line underground relocation project located in Fairfax County, Virginia.

Please contact me with any questions or for additional information.

Thank you,

Rachel Studebaker

Environmental Specialist II
Dominion Energy Services
120 Tredegar Street, Richmond, VA 23219
Office: (804) 273-4086
Cell: (804) 217-1847



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Rachel M Studebaker (Services - 6)

From: Rhur, Roberta <robbie.rhur@dcr.virginia.gov>
Sent: Monday, July 27, 2020 3:03 PM
To: Rachel M Studebaker (Services - 6); rr nhreview
Subject: [EXTERNAL] Re: Line 2010 Underground Relocation Project

Good Afternoon:

DCR PRR has no comment on the scope of this project; however, you must coordinate with the Division of Natural Heritage through the project review portal on their website.

Thank you for the opportunity to comment

On Mon, Jul 27, 2020 at 11:50 AM Rachel.M.Studebaker@dominionenergy.com
<Rachel.M.Studebaker@dominionenergy.com> wrote:

Ms. Rhur,

Please see the attached letter and project map notifying you of the proposed transmission line underground relocation project located in Fairfax County, Virginia.

Please contact me with any questions or for additional information.

Thank you,

Rachel Studebaker

Environmental Specialist II

Dominion Energy Services

120 Tredegar Street, Richmond, VA 23219

Office: (804) 273-4086

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--

Robbie Rhur
DCR VOP Project Planner and Environmental Review Coordinator
600 East Main Street
Richmond VA 23219
804-371-2594

Rachel M Studebaker (Services - 6)

From: Hypes, Rene' <rene.hypes@dcr.virginia.gov>
Sent: Monday, July 27, 2020 12:04 PM
To: Rachel M Studebaker (Services - 6)
Subject: [EXTERNAL] Re: Line 2010 Underground Relocation Project

Ms. Studebaker,

Thank you for your request. In order for us to initiate the review of this project, we need a completed [information services order form](#) along with the attached project map. It would also be helpful if you could provide an ArcGIS shapefile. Please note, our standard review time is 30 calendar days starting upon receipt of the completed information services order form. Let me know if you have any questions.

Sincerely,

Rene' Hypes

On Mon, Jul 27, 2020 at 11:49 AM Rachel.M.Studebaker@dominionenergy.com
<Rachel.M.Studebaker@dominionenergy.com> wrote:

Ms. Hypes,

Please see the attached letter and project map notifying you of the proposed transmission line underground relocation project located in Fairfax County, Virginia.

Please contact me with any questions or for additional information.

Thank you,

Rachel Studebaker

Environmental Specialist II

Dominion Energy Services

120 Tredegar Street, Richmond, VA 23219

Office: (804) 273-4086

Cell: (804) 217-1847



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--

S. Rene' Hypes

Project Review Coordinator

Department of Conservation and Recreation

Division of Natural Heritage

600 East Main Street, 24th Floor

Richmond, Virginia 23219

[804-371-2708](tel:804-371-2708) (phone)

[804-371-2674](tel:804-371-2674) (fax)

rene.hypes@dcr.virginia.gov

Conserving VA's Biodiversity through Inventory, Protection and Stewardship

<http://www.dcr.virginia.gov/natural-heritage>

Rachel M Studebaker (Services - 6)

From: Ewing, Amy <amy.ewing@dwr.virginia.gov>
Sent: Tuesday, July 28, 2020 9:21 AM
To: Rachel M Studebaker (Services - 6)
Subject: [EXTERNAL] Re: Line 2010 Underground Relocation Project

Thank you for contacting us about your project. Due to staffing limitations, we are unable to review and provide comments on projects that are not currently involved in one of the regulatory review processes for which we are a formal consulting agency (see <https://www.DWR.virginia.gov/environmental-programs/>). If your project becomes involved in one of these review processes, we will review the project at that time and provide our comments to the requesting agency. In advance of that, we recommend that you conduct a preliminary desktop analysis to evaluate your project's potential impacts upon the Commonwealth's wildlife resources by accessing our online information system, the Virginia Fish and Wildlife Information Service (VAFWIS) and using the **Geographic Search** function to generate an **Initial Project Assessment** (IPA) report.

We recommend the following steps:

A. Access VAFWIS at this link: <https://vafwis.DWR.virginia.gov/fwis/>
If you are not already a VAFWIS subscriber, you should request to become one by emailing a request to VAFWIS_support@DWR.virginia.gov. VAFWIS Subscriptions are free of charge. As a subscriber, one is able to generate an IPA for the project area (project site plus a minimum 2-mile buffer) which generates a list of imperiled wildlife and designated wildlife resources known from the project area. You may also access VAFWIS as a visitor, but access to data and mapping at this user level is restricted.

Alternatively, you may contact our Geographic Information Systems (GIS) Coordinator, Jay Kapalczynski, at Jay.Kapalczynski@DWR.virginia.gov to request access to the Wildlife Mapping and Environmental Review Map Service (WERMS) which allows you to download GIS data into your own system.

B. Access information about the location of bat hibernacula and roosts from the following locations:

Northern Long-Eared Bats: <https://www.dwr.virginia.gov/wildlife/bats/northern-long-eared-bat-application/>

Little Brown Bats and Tricolored Bats: <https://www.dwr.virginia.gov/wildlife/bats/little-brown-bat-tri-colored-bat-winter-habitat-roosts-application/>

C. Access up to date information about the location and status of bald eagle nests in Virginia by accessing the Center for Conservation Biology's Eagle Nest Locator at <https://ccbbirds.org/what-we-do/research/species-of-concern/virginia-eagles/nest-locator/>

D. Review the DWR information, guidance, and protocols available on our website at the bottom of [this page](#) in the "Additional Resources" section and implement, as appropriate.

E. Include the results of your desktop analysis with your project documents, applications, etc.



Amy Martin Ewing

*Environmental Services Biologist
Manager, Wildlife Information*

P 804.367.2211

Virginia Department of Wildlife Resources

CONSERVE. CONNECT. PROTECT.

A 7870 Villa Park Drive, P.O. Box 90778, Henrico, VA 23228

www.VirginiaWildlife.gov

On Mon, Jul 27, 2020 at 11:49 AM Rachel.M.Studebaker@dominionenergy.com

<Rachel.M.Studebaker@dominionenergy.com> wrote:

Ms. Ewing,

Please see the attached letter and project map notifying you of the proposed transmission line underground relocation project located in Fairfax County, Virginia.

Please contact me with any questions or for additional information.

Thank you,

Rachel Studebaker

Environmental Specialist II

Dominion Energy Services

120 Tredegar Street, Richmond, VA 23219

Office: (804) 273-4086

Cell: (804) 217-1847



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Attachment 2.D.1
WATERS OF THE
U.S.

Wetland Delineation Report Site Information Summary
Tysons to Spring Hill
38.931986, -77.237118 (9.86 Acres),
Fairfax County, Virginia

Date

September 15, 2020

Applicant

Draper Aden Associates
1030 Wilmer Ave,
Richmond, Virginia 23227
Email: wkeck@daa.com

Consulting Agent

Resource Environmental Solutions, LLC
1408 Roseneath Road, Suite B
Richmond, VA 23230
Phone: 609.468.9087 / Email: jfleckenstein@res.us

Latitude/ Longitude in Decimal Degrees using coordinate plane (NAD 1983)

38.931986, -77.237118

Has a previous delineation or JD been performed?

No knowledge of a previous delineation

Hydrologic Unit Code (HUC)

8-Digit HUC – 02070008 – Middle Potomac – Catoctin
10-Digit HUC – 0207000810 – Potomac River – Difficult Run
12-Digit HUC – 020700081004 – Difficult Run

USGS Topographic Sheet

Falls Church Quadrangle, 7.5 Minute

Nearest Waterbody (example given)

Old Courthouse Spring Branch lies approximately 130 feet southwest of the subject parcel in the vicinity of Vesper Trail and below Spring Hill Road. An unnamed pond is located approximately 906 feet to the west of the subject parcel.

Delineation Methods

U.S. Army Corps of Engineers *1987 Wetland Delineation Manual in conjunction with the April 2012 Eastern Mountains and Piedmont Regional Supplement, Version 2.0*. The U.S. Army Corps of Engineers *2016 National Wetland Plant List* was used.

On-Site Investigation Date

Wetland boundary delineation and site data collection were conducted on September 4, 2020

Wetland Delineation Plan

The proposed wetland boundaries and Data Sampling Point locations are depicted on the plan entitled "Waters of the US Delineation Map" prepared by Resource Environmental Solutions, LLC on September 14, 2020.

Wetland Investigation Results

Wetlands: No non-tidal or tidal wetlands were identified within the 9.86-acre study area.

Stream Channels: No streams were found within the 9.86-acre study area.

Other Waters: No other waters were observed onsite.

Water bodies onsite identified as Section 10: No water bodies identified as Section 10 were identified onsite.

Uplands: The entire 9.86-acre subject parcel was classified as uplands, as described by Data Sampling Point 2 provided in Appendix C. Representative site photos are provided in Appendix D.

100-Year Floodplains

As depicted on the Federal Emergency Management Agency's (FEMA) on-line Flood Insurance Rate Map # 51059C01165E, effective date 9.17.2010. The study area lies within Zone X, an area of minimal Flood Hazard.

National Wetlands Inventory

The on-line National Wetland Inventory identifies no wetlands within the subject property.

USDA Soil Survey

The on-line USDA Natural Resource Conservation Service (NRCS) Soil Survey identifies much of the study area as 95 Urban Land, approximately 98.9% of the site. The remaining 1.1% is comprised of 9C Codorus and Hatboro soils, and exists in the southern portion of the site.

Table 1: NRCS Soils Table

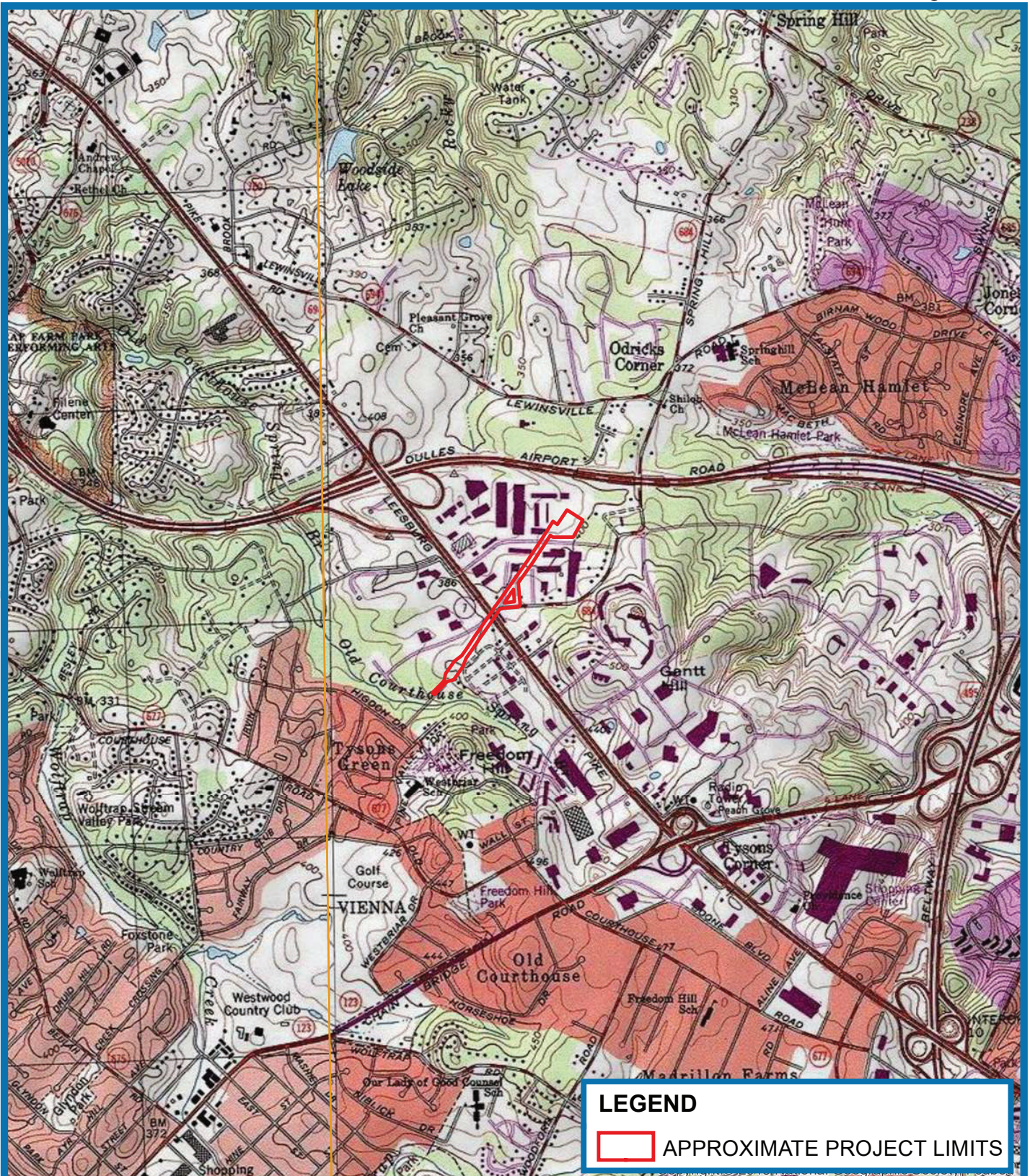
Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI	Hydric
95	Urban land	9.8	98.9%	No
9C	Codorus and Hatboro soils, 0 to 2 percent slopes	0.1	1.1%	No
Totals for AOI		9.9	100%	

Notes: At the time of investigation, an active stream restoration project was ongoing outside the southern boundary of the project limits. Within this area, a palustrine emergent wetland was found to be bordering an intermittent stream. These features were found to be entirely outside of the project limits and are not calculated in the stream or wetland limits of this report.

Attachment A

Figures:

**Project Location Map, Project Vicinity, National Wetland Inventory Map,
Aerial Imagery Map, Soils Map**



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P: 713.520.5400
www.res.us

PROJECT LOCATION MAP

TYSONS TO SPRING HILL

FAIRFAX COUNTY, VIRGINIA

USGS Topo Quads: Falls Church

Latitude: 38.9287

Longitude: -77.2398

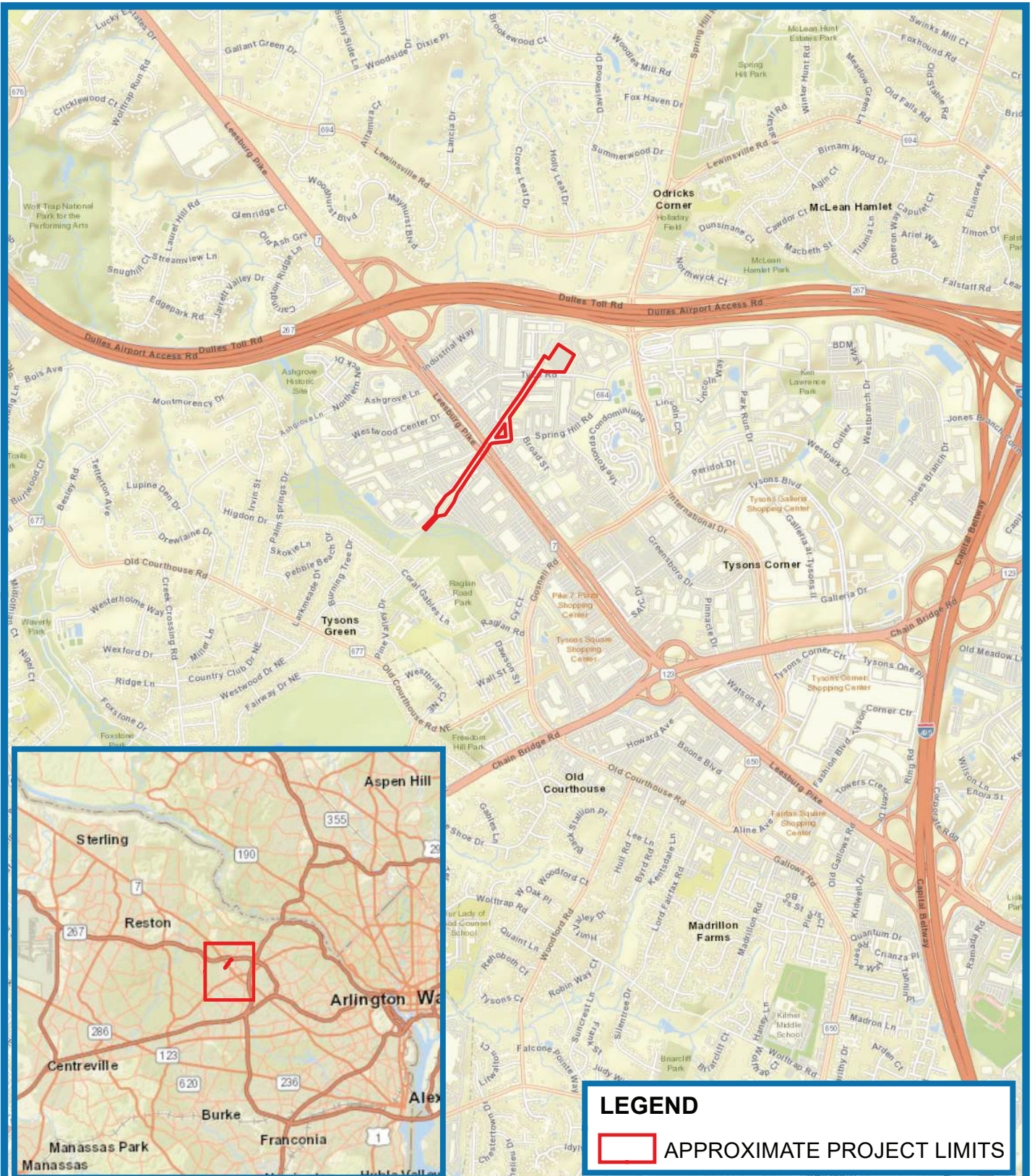
Approx. Project Area: 9.86 acres

Elevation: 378 - 410 feet

Scale: 1 inch = 2,000 feet

Source: <http://resources.arcgis.com/>
USA Topo Maps





LEGEND

APPROXIMATE PROJECT LIMITS



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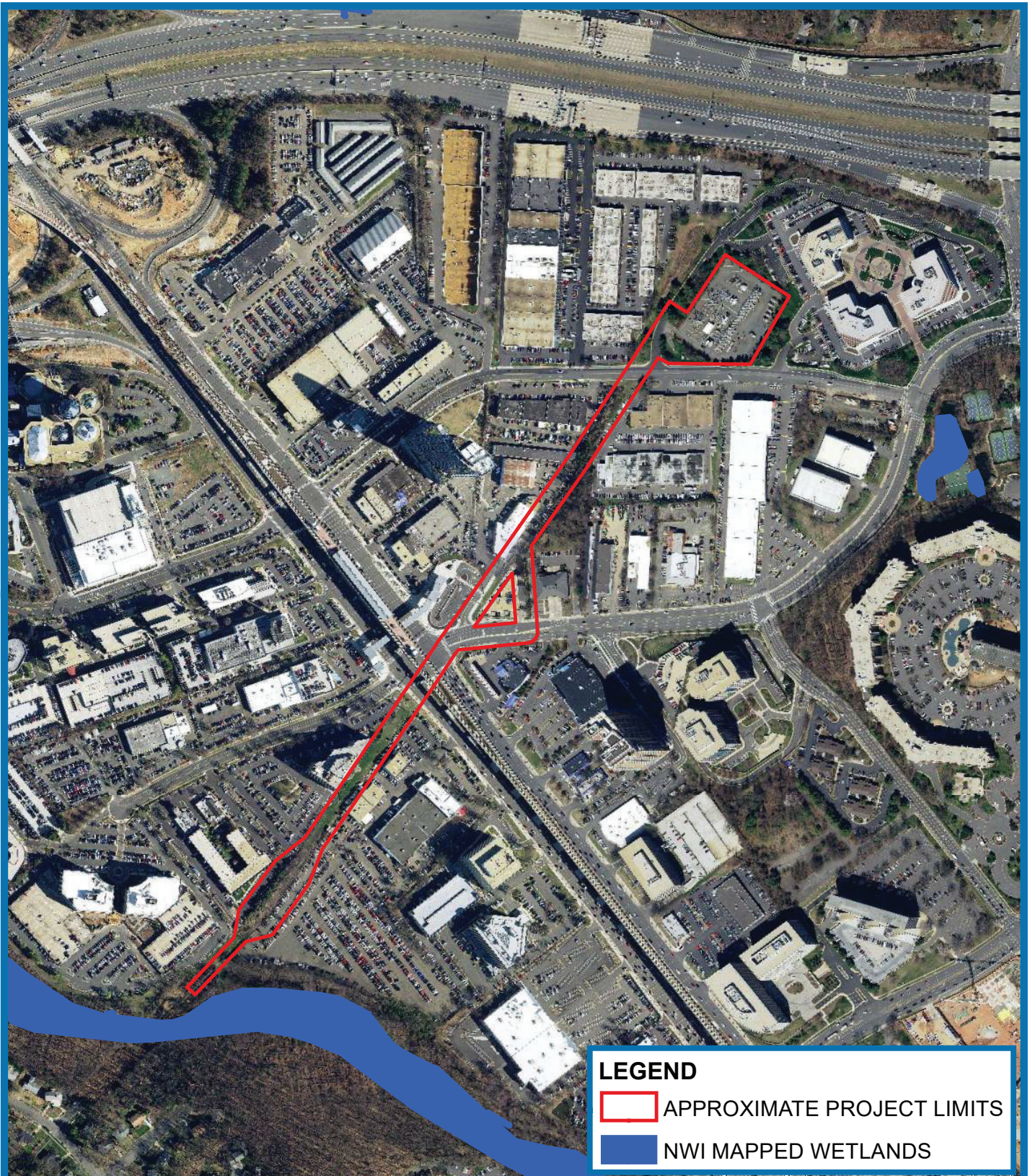
VICINITY MAP

TYSONS TO SPRING HILL
FAIRFAX COUNTY, VIRGINIA

Street Map Source:
World Street Map
ESRI ArcGIS Online



1 inch = 2,000 feet



LEGEND

-  APPROXIMATE PROJECT LIMITS
-  NWI MAPPED WETLANDS



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NATIONAL WETLANDS INVENTORY MAP

TYSONS TO SPRING HILL FAIRFAX COUNTY, VIRGINIA

Digital Ortho Photo Source:
VBMP Most Recent Imagery
Virginia Lambert (VGIN)
National Inventory Wetlands (NWI)
Source
<http://www.fws.gov/>

1 inch = 500 feet





LEGEND

 APPROXIMATE PROJECT LIMITS



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P: 713.520.5400
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AERIAL IMAGERY

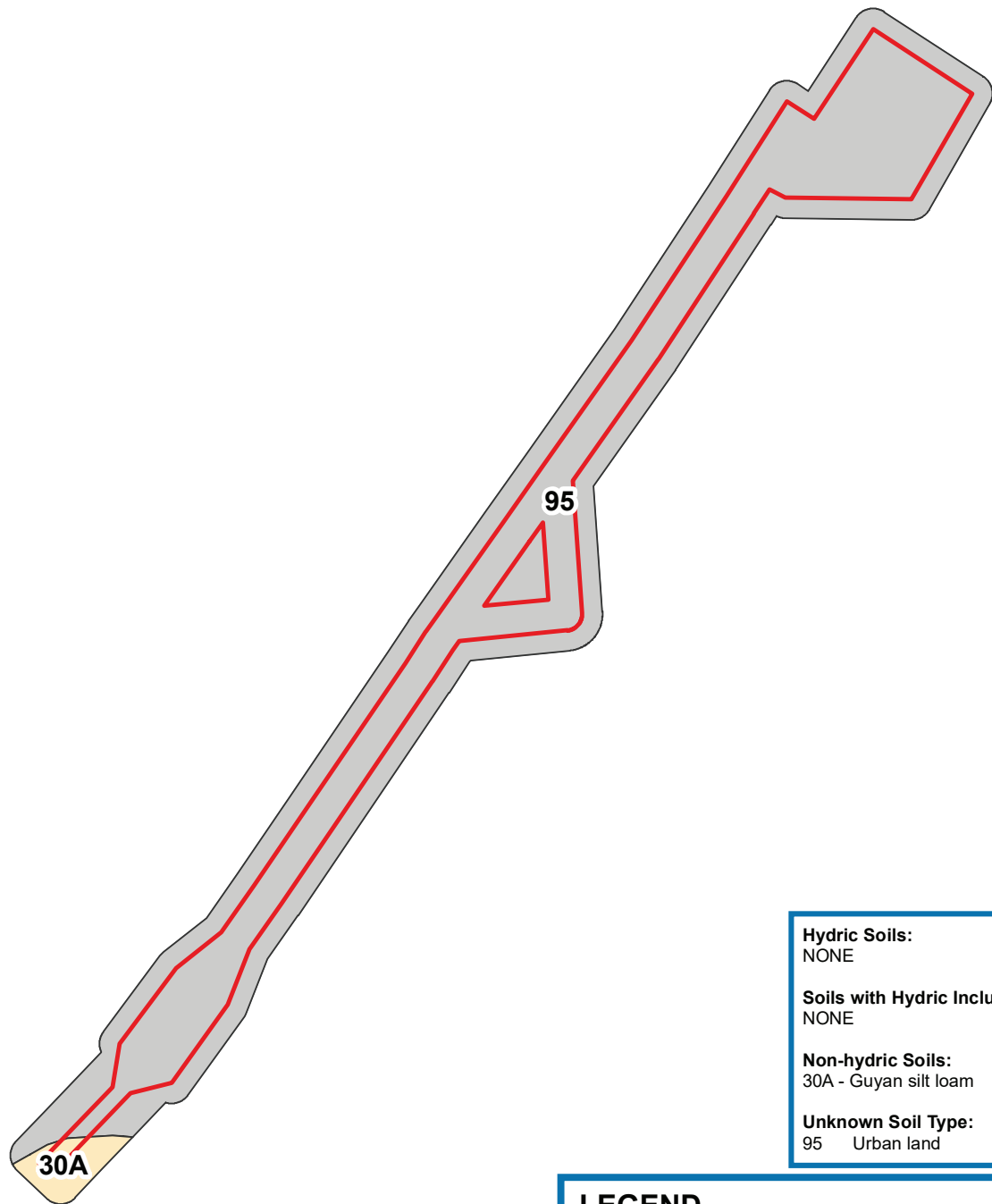
TYSONS TO SPRING HILL

FAIRFAX COUNTY, VIRGINIA

Digital Orthophoto Source:
VBMP Most Recent Imagery
Virginia Lambert (VGIN)



1 inch = 400 feet



Hydric Soils:
NONE

Soils with Hydric Inclusions:
NONE

Non-hydric Soils:
30A - Guyan silt loam

Unknown Soil Type:
95 Urban land

LEGEND

- APPROXIMATE PROJECT LIMITS
- HYDRIC SOIL
- SOIL WITH HYDRIC INCLUSIONS
- NON-HYDRIC SOIL
- UNKNOWN SOIL



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P: 713.520.5400
www.res.us

SOILS MAP

TYSONS TO SPRING HILL
FAIRFAX COUNTY, VIRGINIA

Source:
U.S. Department of Agriculture
Natural Resources
Conservation Service
Soil Survey Geographic
(SSURGO)

1 inch = 400 feet



Attachment B
Wetland Delineation Data Sheets

WETLAND DETERMINATION DATA FORM - Eastern Mountains and Piedmont

Project/Site:	Tyson's to Springfield	City/County:	Fairfax	Sampling Date:	4-Sep-2020
Applicant/Owner:	RES, LLC	State:	Virginia	Sampling Point:	DP-1
Investigator(s):	D. Buczek, J. Fleckenstein	Section, Township, Range:	Tyson;s Corner		
Landform (hillslope, terrace, etc.):	Levee	Local relief (concave, convex, none):	Concave	Slope (%):	0-2%
Subregion (LRR or MLRA):	148 Northern Piedmont	Lat:	38.925229	Long:	-77.243825
Soil Map Unit Name:	2A Codorus and Hatboro soils, occasionally flooded	Datum:	WGS83		
Soil Map Unit Name:		NW1 Classification: N/A			
Are climatic/hydrologic conditions of the site typical for this time of the year? ☒ Y (If no, explain in remarks)					
Are vegetation ☒ X, soil ☒ X, or hydrology ☒ X significantly disturbed? Are "normal circumstances" present? ☐ No					
Are vegetation ☐ , soil ☐ , or hydrology ☐ naturally problematic? (If needed, explain any answers in remarks)					

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic vegetation present?	☒ Y	Is the sampled area within a wetland? ☒ Y
Hydric soil present?	☒ Y	
Indicators of wetland hydrology present?	☒ Y	
Remarks: (Explain alternative procedures here or in a separate report)		
Data Point 1 is located on a levee adjacent to a stream system. The data point was observed to have wetland characteristics. The site is under active construction for a stream restoration.		

HYDROLOGY**Wetland Hydrology Indicators:**

Primary Indicators (minimum of one is required; check all that apply)

☐ Surface Water (A1)	☐ True Aquatic Plants (B14)
☐ High Water Table (A2)	☐ Hydrogen Sulfide Odor (C1)
☐ Saturation (A3)	☐ Oxidized Rhizospheres on Living Roots (C3)
☐ Water Marks (B1)	☐ Presence of Reduced Iron (C4)
☐ Sediment Deposits (B2)	☐ Recent Iron Reduction in Tilled Soils (C6)
☐ Drift Deposits (B3)	☐ Thin Muck Surface (C7)
☐ Algal Mat or Crust (B4)	☐ Other (Explain in Remarks)
☐ Iron Deposits (B5)	
☐ Inundation Visible on Aerial Imagery (B7)	
☐ Water-Stained Leaves (B9)	
☐ Aquatic Fauna (B13)	

Secondary Indicators (minimum of two required)

☐ Surface Soil Cracks (B6)
☐ Sparsely Vegetated Concave Surface (B8)
☐ Drainage Patterns (B10)
☐ Moss Trim Lines (B16)
☐ Dry-Season Water Table (C2)
☐ Crayfish Burrows (C8)
☐ Saturation Visible on Aerial Imagery (C9)
☐ Stunted or Stressed Plants (D1)
☒ X Geomorphic Position (D2)
☐ Shallow Aquitard (D3)
☐ Microtopographic Relief (D4)
☒ X FAC-Neutral Test (D5)

Field Observations:

Surface water present?	Yes ☐	No ☒ X	Depth (inches):	☐ -
Water table present?	Yes ☐	No ☒ X	Depth (inches):	☐ -
Saturation present?	Yes ☐	No ☒ X	Depth (inches):	☐ -
(includes capillary fringe)				

Wetland Hydrology Present?☒ Y

Describe recorded data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

The data point had geomorphic position and passed the FAC neutral test.

VEGETATION (Five Strata) – Use scientific names of plants.

Sampling Point: DP-1

Tree Stratum		Plot size: 30 feet	Absolute % Cover	Dominant Species?	Indicator Status
1					
2					
3					
4					
5					
6					
7					
			0	= Total Cover	

Sapling stratum		Plot size: 15 feet	Absolute % Cover	Dominant Species?	Indicator Status
1					
2					
3					
4					
5					
6					
7					
			0	= Total Cover	

Shrub stratum		Plot size: 15 feet	Absolute % Cover	Dominant Species?	Indicator Status
1					
2					
3					
4					
5					
6					
7					
			0	= Total Cover	

Herb stratum		Plot size: 5 feet	Absolute % Cover	Dominant Species?	Indicator Status
1	<i>Echinochloa crus-galli</i>		45	Y	FAC
2	<i>Persicaria sagittata</i>		20	Y	OBL
3	<i>Microstegium vimineum</i>		15	N	FAC
4	<i>Dichanthelium clandestinum</i>		10	N	FAC
5	<i>Persicaria hydropiper</i>		5	N	OBL
6	<i>Leersia oryzoides</i>		5	N	OBL
7					
8					
9					
10					
11					
12					
			100	= Total Cover	

Woody vine stratum		Plot size: 30 feet	Absolute % Cover	Dominant Species?	Indicator Status
1					
2					
3					
4					
5					
			0	= Total Cover	

Dominance Test Worksheet:

Number of Dominant Species that are OBL, FACW, or FAC:	2	(A)
Total Number of Dominant Species Across all Strata:	2	(B)
Percent of Dominant Species that are OBL, FACW, or FAC:	100.00%	(A/B)

Prevalence Index Worksheet:

Total % Cover of:

OBL species	30	x 1 =	30
FACW species	0	x 2 =	0
FAC species	70	x 3 =	210
FACU species	0	x 4 =	0
UPL species	0	x 5 =	0
Column totals	100	(A)	240 (B)
Prevalence Index = B/A =			2.40

Hydrophytic Vegetation Indicators:

	1 – Rapid Test for Hydrophytic Vegetation
X	2 – Dominance Test is >50%
X	3 – Prevalence Index is ≤3.0 ¹
	4 – Morphological Adaptations ¹ (provide supporting data in Remarks or on a separate sheet)
	Problematic hydrophytic vegetation ¹ (explain)

¹Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.**Definitions of Five Vegetation Strata:**

Tree – Woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and 3 in. (7.6 cm) or larger in diameter at breast height (DBH).

Sapling – Woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and less than 3 in. (7.6 cm) DBH.

Shrub – Woody plants, excluding woody vines, approximately 3 to 20 ft (1 to 6 m) in height.

Herb – All herbaceous (non-woody) plants, including herbaceous vines, regardless of size, and woody plants, except woody vines, less than approximately 3 ft (1 m) in height.

Woody vine – All woody vines, regardless of height.

Hydrophytic Vegetation Present? Y

Remarks: (Include photo numbers here or on a separate sheet)

Only FAC or wetter species were observed.

A depleted matrix was observed at the data point.



Photograph 1. Soils photograph of the data point.



Photograph 2. Overview photograph of the data point.

WETLAND DETERMINATION DATA FORM - Eastern Mountains and Piedmont

Project/Site:	Tyson's to Springfield	City/County:	Fairfax	Sampling Date:	4-Sep-2020
Applicant/Owner:	RES, LLC	State:	Virginia	Sampling Point:	DP-2
Investigator(s):	D. Buczek, J. Fleckenstein	Section, Township, Range:	Tyson;s Corner		
Landform (hillslope, terrace, etc.):	Levee	Local relief (concave, convex, none):	Concave	Slope (%):	0-2%
Subregion (LRR or MLRA):	148 Northern Piedmont	Lat:	38.925242	Long:	-77.244013
Soil Map Unit Name:	2A Codorus and Hatboro soils, occasionally flooded	NWI Classification:	N/A		
Are climatic/hydrologic conditions of the site typical for this time of the year? ☒ Y (If no, explain in remarks)					
Are vegetation ☒ X, soil ☒ X, or hydrology ☒ X significantly disturbed? Are "normal circumstances" present? ☐ No					
Are vegetation ☐ , soil ☐ , or hydrology ☐ naturally problematic? (If needed, explain any answers in remarks)					

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic vegetation present?	☐ N	Is the sampled area within a wetland? ☐ N
Hydric soil present?	☐ N	
Indicators of wetland hydrology present?	☒ Y	
Remarks: (Explain alternative procedures here or in a separate report)		
Data Point 2 is located adjacent to a paved path and displays upland characteristics. The site is under active construction for a stream restoration.		

HYDROLOGY**Wetland Hydrology Indicators:**

Primary Indicators (minimum of one is required; check all that apply)

Secondary Indicators (minimum of two required)

☐ Surface Water (A1)	☐ True Aquatic Plants (B14)	☐ Surface Soil Cracks (B6)
☐ High Water Table (A2)	☐ Hydrogen Sulfide Odor (C1)	☐ Sparsely Vegetated Concave Surface (B8)
☐ Saturation (A3)	☒ Oxidized Rhizospheres on Living Roots (C3)	☐ Drainage Patterns (B10)
☐ Water Marks (B1)	☐ Presence of Reduced Iron (C4)	☐ Moss Trim Lines (B16)
☐ Sediment Deposits (B2)	☐ Recent Iron Reduction in Tilled Soils (C6)	☐ Dry-Season Water Table (C2)
☐ Drift Deposits (B3)	☐ Thin Muck Surface (C7)	☐ Crayfish Burrows (C8)
☐ Algal Mat or Crust (B4)	☐ Other (Explain in Remarks)	☐ Saturation Visible on Aerial Imagery (C9)
☐ Iron Deposits (B5)		☐ Stunted or Stressed Plants (D1)
☐ Inundation Visible on Aerial Imagery (B7)		☐ Geomorphic Position (D2)
☐ Water-Stained Leaves (B9)		☐ Shallow Aquitard (D3)
☐ Aquatic Fauna (B13)		☐ Microtopographic Relief (D4)
		☐ FAC-Neutral Test (D5)

Field Observations:

Surface water present?	Yes ☐	No ☒ X	Depth (inches):	☐ -	Wetland Hydrology Present? ☒ Y
Water table present?	Yes ☐	No ☒ X	Depth (inches):	☐ -	
Saturation present?	Yes ☐	No ☒ X	Depth (inches):	☐ -	
(includes capillary fringe)					

Describe recorded data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

Oxidized rhizospheres were observed at the data point.

VEGETATION (Five Strata) – Use scientific names of plants.

Sampling Point: DP-2

Tree Stratum		Plot size: 30 feet	Absolute % Cover	Dominant Species?	Indicator Status
1					
2					
3					
4					
5					
6					
7					
			0	= Total Cover	

Sapling stratum		Plot size: 15 feet	Absolute % Cover	Dominant Species?	Indicator Status
1					
2					
3					
4					
5					
6					
7					
			0	= Total Cover	

Shrub stratum		Plot size: 15 feet	Absolute % Cover	Dominant Species?	Indicator Status
1					
2					
3					
4					
5					
6					
7					
			0	= Total Cover	

Herb stratum		Plot size: 5 feet	Absolute % Cover	Dominant Species?	Indicator Status
1	<i>Schizachyrium scoparium</i>		40	Y	FACU
2	<i>Rubus argutus</i>		25	Y	FACU
3	<i>Dichanthelium clandestinum</i>		15	N	FAC
4	<i>Ampelopsis glandulosa</i>		12	N	NI
5	<i>Solidago rugosa</i>		8	N	FAC
6					
7					
8					
9					
10					
11					
12					
			100	= Total Cover	

Woody vine stratum		Plot size: 30 feet	Absolute % Cover	Dominant Species?	Indicator Status
1					
2					
3					
4					
5					
			0	= Total Cover	

Dominance Test Worksheet:

Number of Dominant Species that are OBL, FACW, or FAC:	0	(A)
Total Number of Dominant Species Across all Strata:	2	(B)
Percent of Dominant Species that are OBL, FACW, or FAC:	0.00%	(A/B)

Prevalence Index Worksheet:

Total % Cover of:

OBL species	0	x 1 =	0
FACW species	0	x 2 =	0
FAC species	23	x 3 =	69
FACU species	65	x 4 =	260
UPL species	0	x 5 =	0
Column totals	88	(A)	329 (B)
Prevalence Index = B/A =			3.74

Hydrophytic Vegetation Indicators:

- 1 – Rapid Test for Hydrophytic Vegetation
- 2 – Dominance Test is >50%
- 3 – Prevalence Index is $\leq 3.0^1$
- 4 – Morphological Adaptations¹ (provide supporting data in Remarks or on a separate sheet)
- Problematic hydrophytic vegetation¹ (explain)

¹Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Definitions of Five Vegetation Strata:

Tree – Woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and 3 in. (7.6 cm) or larger in diameter at breast height (DBH).

Sapling – Woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and less than 3 in. (7.6 cm) DBH.

Shrub – Woody plants, excluding woody vines, approximately 3 to 20 ft (1 to 6 m) in height.

Herb – All herbaceous (non-woody) plants, including herbaceous vines, regardless of size, and woody plants, except woody vines, less than approximately 3 ft (1 m) in height.

Woody vine – All woody vines, regardless of height.

Hydrophytic Vegetation Present? N

Remarks: (Include photo numbers here or on a separate sheet)

FACU species dominated the data point.

SOIL

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

[illegible]

¹Type: C = Concentration, D = Depletion, RM = Reduced Matrix, MS = Masked Sand Grains.

²Location: PL = Pore Lining, M = Matrix

Hydric Soil Indicators:

Histisol (A1)	Dark Surface (S7)
Histic Epipedon (A2)	Polyvalue Below Surface (S8) (MLRA 147, 148)
Black Histic (A3)	Thin Dark Surface (S9) (MLRA 147, 148)
Hydrogen Sulfide (A4)	Loamy Gleyed Matrix (F2)
Stratified Layers (A5)	Depleted Matrix (F3)
2 cm Muck (A10) (LRR N)	Redox Dark Surface (F6)
Depleted Below Dark Surface (A11)	Depleted Dark Surface (F7)
Thick Dark Surface (A12)	Redox Depressions (F8)
Sandy Mucky Mineral (S1)	Iron-Manganese Masses (F12)
(LRR N, MLRA 147, 148)	(LRR N, MLRA 136)
Sandy Gleyed Matrix (S4)	Umbric Surface (F13) (MLRA 136, 122)
Sandy Redox (S5)	Piedmont Floodplain Soils (F19) (MLRA 148)
Stripped Matrix (S6)	

Indicators for Problematic Hydric Soils³:

	2cm Muck (A10) (MLRA 147)
	Coast Prairie Redox (A16)
	(MLRA 147, 148)
	Piedmont Floodplain Soils (F19)
	(MLRA 136, 147)
	Red Parent Material (TF2)
	Very Shallow Dark Surface (TF12)
	Other (explain in remarks)

³Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type:

Depth (inches):

Hydric Soil Present?

N

Remarks:

No hydric soils were observed. The depleted layer is not large enough to meet the requirements for a depleted matrix.

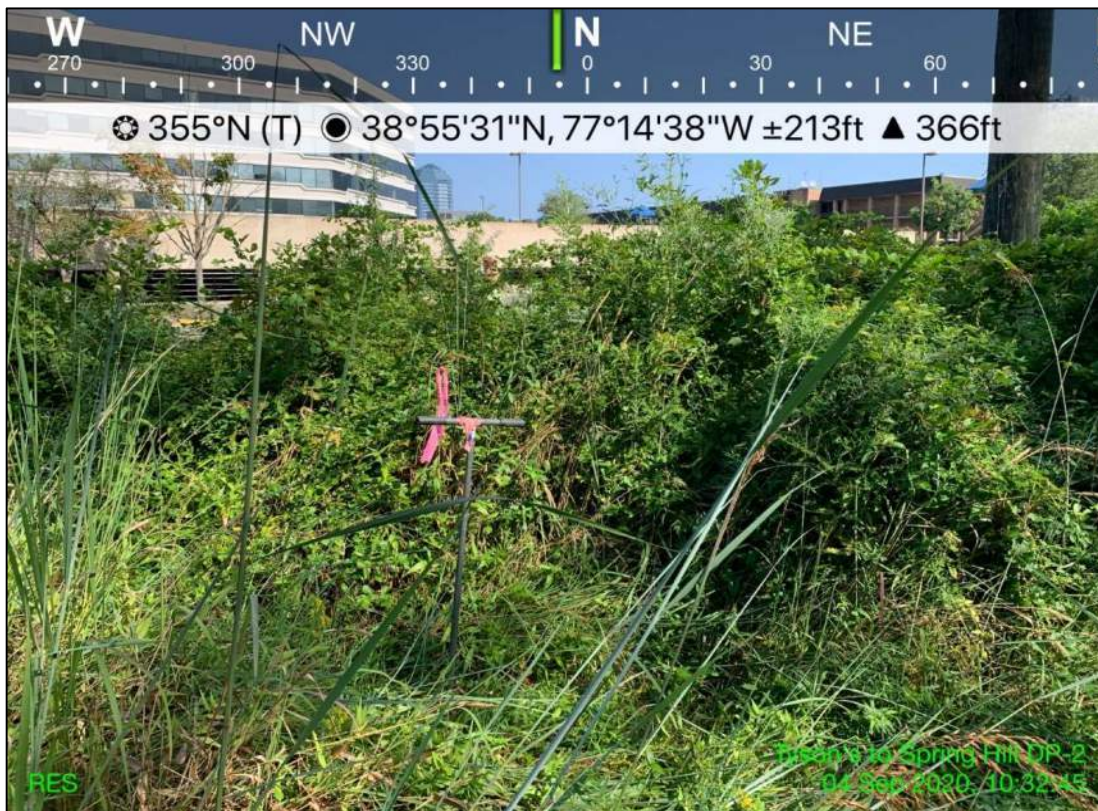
PHOTOGRAPHS

Sampling Point:

DP-2



Photograph 1. Soils photograph of the data point.



Photograph 2. Overview photograph of the data point.

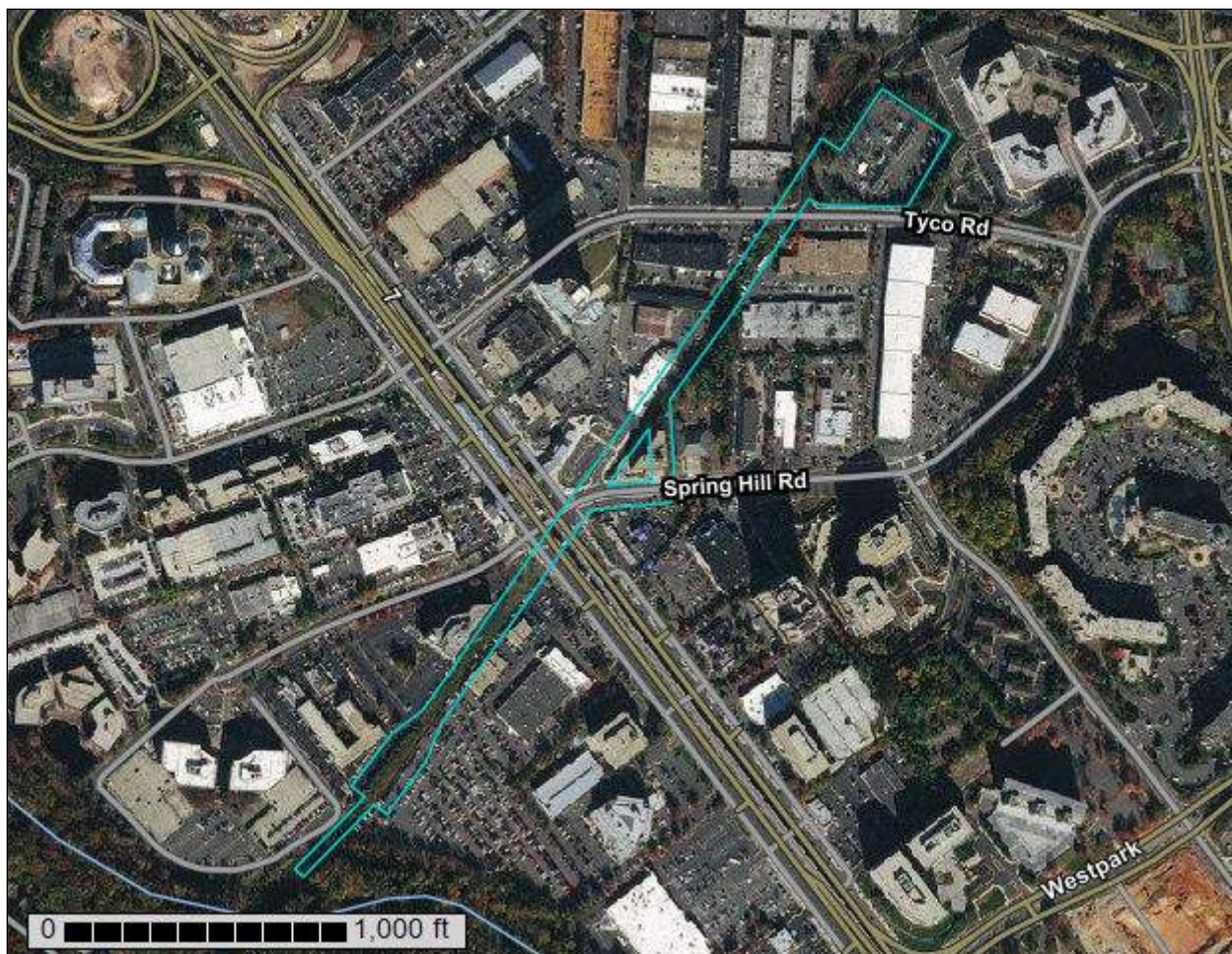
Attachment C
Waters of the U.S. Delineation Map

Attachment D
NRCS Soils Report



A product of the National Cooperative Soil Survey, a joint effort of the United States Department of Agriculture and other Federal agencies, State agencies including the Agricultural Experiment Stations, and local participants

Custom Soil Resource Report for Fairfax County, Virginia



Preface

Soil surveys contain information that affects land use planning in survey areas. They highlight soil limitations that affect various land uses and provide information about the properties of the soils in the survey areas. Soil surveys are designed for many different users, including farmers, ranchers, foresters, agronomists, urban planners, community officials, engineers, developers, builders, and home buyers. Also, conservationists, teachers, students, and specialists in recreation, waste disposal, and pollution control can use the surveys to help them understand, protect, or enhance the environment.

Various land use regulations of Federal, State, and local governments may impose special restrictions on land use or land treatment. Soil surveys identify soil properties that are used in making various land use or land treatment decisions. The information is intended to help the land users identify and reduce the effects of soil limitations on various land uses. The landowner or user is responsible for identifying and complying with existing laws and regulations.

Although soil survey information can be used for general farm, local, and wider area planning, onsite investigation is needed to supplement this information in some cases. Examples include soil quality assessments (<http://www.nrcs.usda.gov/wps/portal/nrcs/main/soils/health/>) and certain conservation and engineering applications. For more detailed information, contact your local USDA Service Center (<https://offices.sc.egov.usda.gov/locator/app?agency=nrcs>) or your NRCS State Soil Scientist (http://www.nrcs.usda.gov/wps/portal/nrcs/detail/soils/contactus/?cid=nrcs142p2_053951).

Great differences in soil properties can occur within short distances. Some soils are seasonally wet or subject to flooding. Some are too unstable to be used as a foundation for buildings or roads. Clayey or wet soils are poorly suited to use as septic tank absorption fields. A high water table makes a soil poorly suited to basements or underground installations.

The National Cooperative Soil Survey is a joint effort of the United States Department of Agriculture and other Federal agencies, State agencies including the Agricultural Experiment Stations, and local agencies. The Natural Resources Conservation Service (NRCS) has leadership for the Federal part of the National Cooperative Soil Survey.

Information about soils is updated periodically. Updated information is available through the NRCS Web Soil Survey, the site for official soil survey information.

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How Soil Surveys Are Made

Soil surveys are made to provide information about the soils and miscellaneous areas in a specific area. They include a description of the soils and miscellaneous areas and their location on the landscape and tables that show soil properties and limitations affecting various uses. Soil scientists observed the steepness, length, and shape of the slopes; the general pattern of drainage; the kinds of crops and native plants; and the kinds of bedrock. They observed and described many soil profiles. A soil profile is the sequence of natural layers, or horizons, in a soil. The profile extends from the surface down into the unconsolidated material in which the soil formed or from the surface down to bedrock. The unconsolidated material is devoid of roots and other living organisms and has not been changed by other biological activity.

Currently, soils are mapped according to the boundaries of major land resource areas (MLRAs). MLRAs are geographically associated land resource units that share common characteristics related to physiography, geology, climate, water resources, soils, biological resources, and land uses (USDA, 2006). Soil survey areas typically consist of parts of one or more MLRA.

The soils and miscellaneous areas in a survey area occur in an orderly pattern that is related to the geology, landforms, relief, climate, and natural vegetation of the area. Each kind of soil and miscellaneous area is associated with a particular kind of landform or with a segment of the landform. By observing the soils and miscellaneous areas in the survey area and relating their position to specific segments of the landform, a soil scientist develops a concept, or model, of how they were formed. Thus, during mapping, this model enables the soil scientist to predict with a considerable degree of accuracy the kind of soil or miscellaneous area at a specific location on the landscape.

Commonly, individual soils on the landscape merge into one another as their characteristics gradually change. To construct an accurate soil map, however, soil scientists must determine the boundaries between the soils. They can observe only a limited number of soil profiles. Nevertheless, these observations, supplemented by an understanding of the soil-vegetation-landscape relationship, are sufficient to verify predictions of the kinds of soil in an area and to determine the boundaries.

Soil scientists recorded the characteristics of the soil profiles that they studied. They noted soil color, texture, size and shape of soil aggregates, kind and amount of rock fragments, distribution of plant roots, reaction, and other features that enable them to identify soils. After describing the soils in the survey area and determining their properties, the soil scientists assigned the soils to taxonomic classes (units). Taxonomic classes are concepts. Each taxonomic class has a set of soil characteristics with precisely defined limits. The classes are used as a basis for comparison to classify soils systematically. Soil taxonomy, the system of taxonomic classification used in the United States, is based mainly on the kind and character of soil properties and the arrangement of horizons within the profile. After the soil

Custom Soil Resource Report

scientists classified and named the soils in the survey area, they compared the individual soils with similar soils in the same taxonomic class in other areas so that they could confirm data and assemble additional data based on experience and research.

The objective of soil mapping is not to delineate pure map unit components; the objective is to separate the landscape into landforms or landform segments that have similar use and management requirements. Each map unit is defined by a unique combination of soil components and/or miscellaneous areas in predictable proportions. Some components may be highly contrasting to the other components of the map unit. The presence of minor components in a map unit in no way diminishes the usefulness or accuracy of the data. The delineation of such landforms and landform segments on the map provides sufficient information for the development of resource plans. If intensive use of small areas is planned, onsite investigation is needed to define and locate the soils and miscellaneous areas.

Soil scientists make many field observations in the process of producing a soil map. The frequency of observation is dependent upon several factors, including scale of mapping, intensity of mapping, design of map units, complexity of the landscape, and experience of the soil scientist. Observations are made to test and refine the soil-landscape model and predictions and to verify the classification of the soils at specific locations. Once the soil-landscape model is refined, a significantly smaller number of measurements of individual soil properties are made and recorded. These measurements may include field measurements, such as those for color, depth to bedrock, and texture, and laboratory measurements, such as those for content of sand, silt, clay, salt, and other components. Properties of each soil typically vary from one point to another across the landscape.

Observations for map unit components are aggregated to develop ranges of characteristics for the components. The aggregated values are presented. Direct measurements do not exist for every property presented for every map unit component. Values for some properties are estimated from combinations of other properties.

While a soil survey is in progress, samples of some of the soils in the area generally are collected for laboratory analyses and for engineering tests. Soil scientists interpret the data from these analyses and tests as well as the field-observed characteristics and the soil properties to determine the expected behavior of the soils under different uses. Interpretations for all of the soils are field tested through observation of the soils in different uses and under different levels of management. Some interpretations are modified to fit local conditions, and some new interpretations are developed to meet local needs. Data are assembled from other sources, such as research information, production records, and field experience of specialists. For example, data on crop yields under defined levels of management are assembled from farm records and from field or plot experiments on the same kinds of soil.

Predictions about soil behavior are based not only on soil properties but also on such variables as climate and biological activity. Soil conditions are predictable over long periods of time, but they are not predictable from year to year. For example, soil scientists can predict with a fairly high degree of accuracy that a given soil will have a high water table within certain depths in most years, but they cannot predict that a high water table will always be at a specific level in the soil on a specific date.

After soil scientists located and identified the significant natural bodies of soil in the survey area, they drew the boundaries of these bodies on aerial photographs and

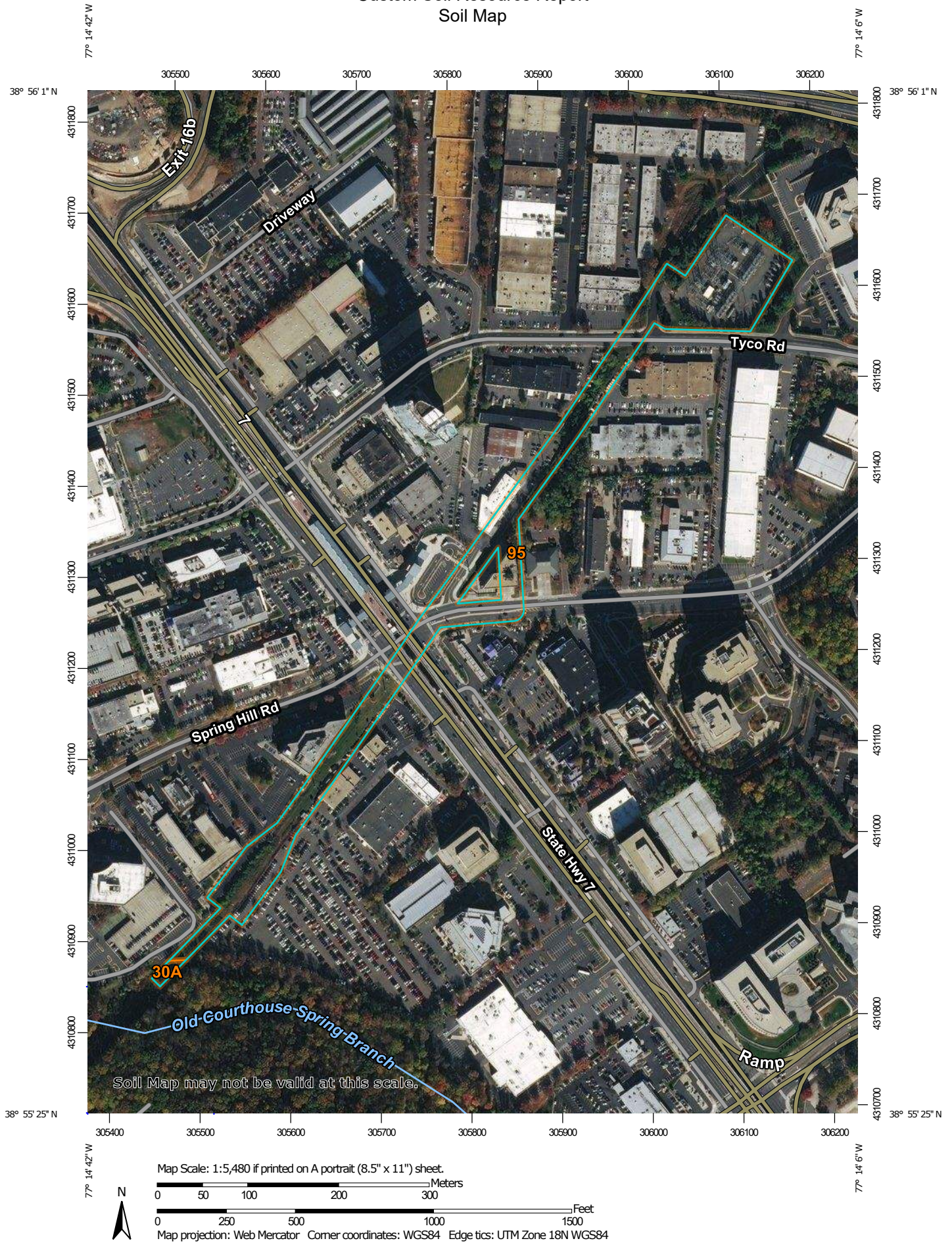
Custom Soil Resource Report

identified each as a specific map unit. Aerial photographs show trees, buildings, fields, roads, and rivers, all of which help in locating boundaries accurately.

Soil Map

The soil map section includes the soil map for the defined area of interest, a list of soil map units on the map and extent of each map unit, and cartographic symbols displayed on the map. Also presented are various metadata about data used to produce the map, and a description of each soil map unit.

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Soil Map



MAP INFORMATION

Warning: Soil Map may not be valid at this scale.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL:
Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Fairfax County, Virginia
Survey Area Data: Version 18. Jun 4, 2020

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: May 3, 2015—Feb 22, 2017

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Area of Interest (AOI)

- Area of Interest (AOI)

Soils

- Soil Map Unit Polygons
- Soil Map Unit Lines
- Soil Map Unit Points

Special Point Features

- Blowout
- Borrow Pit
- Clay Spot
- Closed Depression
- Gravel Pit
- Gravelly Spot
- Landfill
- Lava Flow
- Marsh or swamp
- Mine or Quarry
- Miscellaneous Water
- Perennial Water
- Rock Outcrop
- Saline Spot
- Sandy Spot
- Severely Eroded Spot
- Sinkhole
- Slide or Slip
- Sodic Spot

Water Features

- Streams and Canals

Transportation

- Rails
- Interstate Highways
- US Routes
- Major Roads
- Local Roads

Background

- Aerial Photography

Other

- Spoil Area
- Stony Spot
- Very Stony Spot
- Wet Spot

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Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
30A	Codorus and Hatboro soils, 0 to 2 percent slopes, occasionally flooded	0.1	1.1%
95	Urban land	9.6	98.9%
Totals for Area of Interest		9.7	100.0%

Map Unit Descriptions

The map units delineated on the detailed soil maps in a soil survey represent the soils or miscellaneous areas in the survey area. The map unit descriptions, along with the maps, can be used to determine the composition and properties of a unit.

A map unit delineation on a soil map represents an area dominated by one or more major kinds of soil or miscellaneous areas. A map unit is identified and named according to the taxonomic classification of the dominant soils. Within a taxonomic class there are precisely defined limits for the properties of the soils. On the landscape, however, the soils are natural phenomena, and they have the characteristic variability of all natural phenomena. Thus, the range of some observed properties may extend beyond the limits defined for a taxonomic class. Areas of soils of a single taxonomic class rarely, if ever, can be mapped without including areas of other taxonomic classes. Consequently, every map unit is made up of the soils or miscellaneous areas for which it is named and some minor components that belong to taxonomic classes other than those of the major soils.

Most minor soils have properties similar to those of the dominant soil or soils in the map unit, and thus they do not affect use and management. These are called noncontrasting, or similar, components. They may or may not be mentioned in a particular map unit description. Other minor components, however, have properties and behavioral characteristics divergent enough to affect use or to require different management. These are called contrasting, or dissimilar, components. They generally are in small areas and could not be mapped separately because of the scale used. Some small areas of strongly contrasting soils or miscellaneous areas are identified by a special symbol on the maps. If included in the database for a given area, the contrasting minor components are identified in the map unit descriptions along with some characteristics of each. A few areas of minor components may not have been observed, and consequently they are not mentioned in the descriptions, especially where the pattern was so complex that it was impractical to make enough observations to identify all the soils and miscellaneous areas on the landscape.

The presence of minor components in a map unit in no way diminishes the usefulness or accuracy of the data. The objective of mapping is not to delineate pure taxonomic classes but rather to separate the landscape into landforms or landform segments that have similar use and management requirements. The delineation of such segments on the map provides sufficient information for the development of resource plans. If intensive use of small areas is planned, however,

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onsite investigation is needed to define and locate the soils and miscellaneous areas.

An identifying symbol precedes the map unit name in the map unit descriptions. Each description includes general facts about the unit and gives important soil properties and qualities.

Soils that have profiles that are almost alike make up a *soil series*. Except for differences in texture of the surface layer, all the soils of a series have major horizons that are similar in composition, thickness, and arrangement.

Soils of one series can differ in texture of the surface layer, slope, stoniness, salinity, degree of erosion, and other characteristics that affect their use. On the basis of such differences, a soil series is divided into *soil phases*. Most of the areas shown on the detailed soil maps are phases of soil series. The name of a soil phase commonly indicates a feature that affects use or management. For example, Alpha silt loam, 0 to 2 percent slopes, is a phase of the Alpha series.

Some map units are made up of two or more major soils or miscellaneous areas. These map units are complexes, associations, or undifferentiated groups.

A *complex* consists of two or more soils or miscellaneous areas in such an intricate pattern or in such small areas that they cannot be shown separately on the maps. The pattern and proportion of the soils or miscellaneous areas are somewhat similar in all areas. Alpha-Beta complex, 0 to 6 percent slopes, is an example.

An *association* is made up of two or more geographically associated soils or miscellaneous areas that are shown as one unit on the maps. Because of present or anticipated uses of the map units in the survey area, it was not considered practical or necessary to map the soils or miscellaneous areas separately. The pattern and relative proportion of the soils or miscellaneous areas are somewhat similar. Alpha-Beta association, 0 to 2 percent slopes, is an example.

An *undifferentiated group* is made up of two or more soils or miscellaneous areas that could be mapped individually but are mapped as one unit because similar interpretations can be made for use and management. The pattern and proportion of the soils or miscellaneous areas in a mapped area are not uniform. An area can be made up of only one of the major soils or miscellaneous areas, or it can be made up of all of them. Alpha and Beta soils, 0 to 2 percent slopes, is an example.

Some surveys include *miscellaneous areas*. Such areas have little or no soil material and support little or no vegetation. Rock outcrop is an example.

Fairfax County, Virginia

30A—Codorus and Hatboro soils, 0 to 2 percent slopes, occasionally flooded

Map Unit Setting

National map unit symbol: 2fjmy
Elevation: 0 to 480 feet
Mean annual precipitation: 37 to 49 inches
Mean annual air temperature: 45 to 67 degrees F
Frost-free period: 185 to 212 days
Farmland classification: Not prime farmland

Map Unit Composition

Codorus and similar soils: 55 percent
Hatboro and similar soils: 35 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Codorus

Setting

Landform: Flood plains
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Alluvium derived from igneous, metamorphic and sedimentary rock

Typical profile

H1 - 0 to 8 inches: silt loam
H2 - 8 to 50 inches: loam
H3 - 50 to 62 inches: stratified very gravelly sand to loam

Properties and qualities

Slope: 0 to 2 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Somewhat poorly drained
Runoff class: Low
Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high (0.57 to 1.98 in/hr)
Depth to water table: About 10 to 24 inches
Frequency of flooding: OccasionalNone
Frequency of ponding: None
Available water capacity: Moderate (about 8.7 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 3w
Hydrologic Soil Group: B/D
Hydric soil rating: No

Description of Hatboro

Setting

Landform: Flood plains
Down-slope shape: Linear
Across-slope shape: Linear

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Parent material: Alluvium derived from igneous and metamorphic rock

Typical profile

H1 - 0 to 6 inches: silt loam
H2 - 6 to 23 inches: loam
H3 - 23 to 60 inches: clay loam

Properties and qualities

Slope: 0 to 2 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Poorly drained
Runoff class: Negligible
Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high
(0.57 to 1.98 in/hr)
Depth to water table: About 0 to 18 inches
Frequency of flooding: OccasionalNone
Frequency of ponding: None
Available water capacity: Moderate (about 8.6 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 5w
Hydrologic Soil Group: B/D
Hydric soil rating: Yes

95—Urban land

Map Unit Setting

National map unit symbol: 2fjw2
Mean annual precipitation: 28 to 58 inches
Mean annual air temperature: 87 to 89 degrees F
Frost-free period: 175 to 200 days
Farmland classification: Not prime farmland

Map Unit Composition

Urban land: 95 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Urban Land

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 8s

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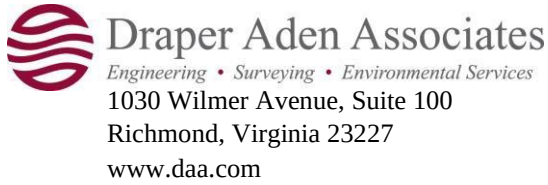
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Attachment 2.E.1

SOLID AND HAZARDOUS WASTE REVIEW



MEMORANDUM

TO: Ms. Rachel Studebaker
Dominion Energy Virginia
10900 Nuckols Road, 4th Floor
Glen Allen, Virginia 23060

FROM: Bernard S. Blommel 
Environmental Services Division

DATE: 09-08-20

SUBJECT: Solid and Hazardous Waste Review
Partial Line #2010 230kV Single Circuit Transmission Line Underground Pilot
Program (Tysons – Future Spring Hill Substation)

DAA Project No. 18020160-110303

Draper Aden Associates (DAA), on behalf of Dominion Energy Virginia, performed a solid and hazardous waste search of the proposed project area for the Partial Line #2010 230kV Single Circuit Transmission Line Underground Pilot Program (Tysons – Future Spring Hill Substation). The goal of this review is to identify, from publicly available data, information related to facilities, sites or places subject to environmental regulations or other sites of environmental interest that may be present within a 0.5 mile radius of the proposed project area.

Information concerning solid and hazardous waste sites were obtained from the following sources:

- *Environmental Protection Agency (EPA) Facility Registration System (FRS)*
- *Virginia Department of Environmental Quality (VDEQ) Virginia Environmental Geographical Information System (VEGIS)*

Information reviewed included listed Brownfield sites, Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA)/Superfund sites, Resource Conservation and Recovery Act (RCRA) sites, Voluntary Remediation Program (VRP) sites, large and small quantity waste generators (LQG/SQG) and permitted Solid Waste facilities.

According to the information reviewed, no listed Brownfield, CERCLA/Superfund or RCRA sites appear to be located within a 0.5 mile radius of the proposed project area.

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Twelve (12) listed VRP sites are located within a 0.5 mile radius of the proposed project area (Table 1, attached). All twelve of the VRP sites are located more than 900 feet northwest of the proposed project area. These sites fall outside of right-of-way for the proposed project and due to distance, do not appear to warrant further concern relating to the proposed project.

Thirty-three (32) registered tank facilities are located within a 0.5 mile radius of the proposed project area (Table 2, attached). Of the thirty-three registered tank facilities, only one (1) appears to be mapped within the immediate project area. No petroleum releases are listed for this facility, but its close proximity to the proposed project area appeared to warrant concern with regards to undergrounding operations. According to the database, the mapped facility address and details are:

- *9916 Georgetown Pike, Fairfax, VA*
Great Falls Fire Station #12
Four (4) inactive underground storage tanks (USTs) and Two (2) active USTs

However, upon further review it appears the mapped facility address and details are:

- *1560 Spring Hill Road, McLean, VA*
Tysons Corner Fire Station #29

Observations made during site reconnaissance confirmed that the mapped facility and associated USTs located at this address are located outside of the proposed project right-of-way and do not appear to warrant further concern.

Thirty-eight (38) listed petroleum releases are located within a 0.5 mile radius of the proposed project area (Table 3, attached). Of the thirty-eight mapped petroleum releases, the closest site ("*Cherner Lincoln Mercury*" 8550 Leesburg Pike, PC # 1992-0932) was mapped approximately seventy (70) feet northwest from the proposed project boundary. This site falls outside of the right-of-way and the case status is listed as *closed*. One additional petroleum release site appeared to be relatively near the proposed project area. This site ("*Exxon Store # 20718*" 8526 Leesburg Pike, PC # 1998-3700 and 2000-3164) was approximately one hundred, seventy-five (175) feet southeast of the proposed project area. This site falls outside of the right-of-way and the case status for both complaints is listed as *closed*. Additionally, Dominion Energy Virginia has environmental procedures in place for addressing any petroleum contaminated soils if they are encountered. However, based on the regulatory disposition of the Pollution Complaints (closed), the referenced releases do not appear to warrant further concern relating to the proposed project.

According to the information reviewed, no large quantity generator facilities were located within a 0.5 mile radius of the proposed project area.

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Sixteen (16) listed small quantity generator facilities are located within a 0.5 mile radius of the proposed project area (Table 4, attached). The two facilities ("*Maaco Auto Painting*" and "*Tysons Auto Specialties*") with the closest proximity to the proposed project area are located approximately one hundred, ninety (190) and two hundred, seventy-five (220) feet, respectively, from the proposed project boundary. Due to the distance and regulatory status (no violations found) of the facilities, none appear to warrant further concern relating to the proposed project.

According to the information reviewed, no permitted Solid Waste facilities appear to be located within a 0.5 mile radius of the proposed project area.



If you have any questions, please contact me (Sblommel@daa.com) by email or by telephone (804.264.2228).

Attachment: Table 1 – (VRP Sites)
Table 2 – (Registered Tank Facilities)
Table 3 – (Documented Petroleum Releases)
Table 4 – (Small Quantity Generators)

cc: Mr. Charles Weil (Dominion Energy Virginia)
Mr. Ken Wagner (DAA – Program Manager)

ATTACHMENT TABLES

Table 1.

Project: Proposed Partial Line #2010 230kV Single Circuit Transmission Line Underground Pilot Program (Tysons – Future Spring Hill Substation)						
VRP Sites within 0.5 mile of Proposed Project Area						
VRP ID #	Site Name	Site Address	Site Address ID #	Primary Status	Secondary Status	Distance from Proposed Project Area
VRP00660	Westwood Center	8603 Westwood Center Drive	1129	Enrolled	Awaiting Participant Action	922 feet (W)
VRP00660	Westwood Center	8603 Westwood Center Drive (Suite 130B)	1134	Enrolled	Awaiting Participant Action	940 feet (W)
VRP00660	Westwood Center	8603 Westwood Center Drive (Suite 100)	1130	Enrolled	Awaiting Participant Action	964 feet (W)
VRP00660	Westwood Center	8603 Westwood Center Drive (Suite 205)	1136	Enrolled	Awaiting Participant Action	980 feet (W)
VRP00660	Westwood Center	8603 Westwood Center Drive (Suite 110)	1132	Enrolled	Awaiting Participant Action	985 feet (W)
VRP00660	Westwood Center	8605 Westwood Center Drive	1126	Enrolled	Awaiting Participant Action	1,045 feet (W)
VRP00660	Westwood Center	8605 Westwood Center Drive (Suite 150)	1133	Enrolled	Awaiting Participant Action	1,049 feet (W)
VRP00660	Westwood Center	8605 Westwood Center Drive (Suite 200)	1131	Enrolled	Awaiting Participant Action	1,060 feet (W)
VRP00660	Westwood Center	8605 Westwood Center Drive (Suite 140)	1128	Enrolled	Awaiting Participant Action	1,066 feet (W)
VRP00660	Westwood Center	8605 Westwood Center Drive (Suite 120)	1135	Enrolled	Awaiting Participant Action	1,077 feet (W)
VRP00660	Westwood Center	8605 Westwood Center Drive (Suite 100)	1127	Enrolled	Awaiting Participant Action	1,102 feet (W)
VRP00616	Clover Tysons, L.P.	8333 Greensboro Drive	1073	Enrolled	Awaiting Participant Action	1,330 feet (SE)

Table 2.

Project: Proposed Partial Line #2010 230kV Single Circuit Transmission Line Underground Pilot Program (Tysons – Future Spring Hill Substation)									
Documented Registered Tank Facilities within 0.5 mile of Proposed Project Area									
Facility ID #	Facility Name	Facility Address	Facility Active	Active UST #	Inactive UST #	Active AST #	Inactive AST #	Distance from Proposed Project Area	
3005332	Great Falls Fire Station #12	9916 Georgetown Pike	Yes	2	4	0	0	mapped within ROW	
3038643	WorldCom VIINVA	8500 Tyco Road	No	0	0	1	0	92 feet (NW)	
3004069	Priority Nissan-Mazda Tysons	8525 Leesburg Pike	Yes	1	5	2	2	157 feet (SE)	
3009827	Exxon Store #20718	8526 Leesburg Pike	Yes	3	4	0	0	160 feet (E)	
3013337	Aamco Transmissions	8501 Tyco Road, Suite 4	No	0	1	0	0	178 feet (NW)	
3001615	Cherner Isuzu-Lincoln-Mercury	8550 Leesburg Pike	No	0	5	0	0	190 feet (NW)	
3009490	Tysons Tower Association	8500 Leesburg Pike	No	0	1	0	0	250 feet (E)	
3021699	Rosenthal Honda	1580 Spring Hill Road	No	0	3	0	0	295 feet (W)	
3011024	Montgomery Ward	8528D Tyco Road	No	0	1	0	0	344 feet (NW)	
3011009	McLean Rentals	1552 Springfield Road	No	0	3	0	0	450 feet (E)	
3000024	HBL Inc. (auto dealer)	8545 Leesburg Pike	Yes	0	3	1	0	453 feet (W)	
3002035	Peacock Buick Inc.	8590 Leesburg Pike	No	0	3	0	0	525 feet (W)	
3002564	The Concourse (office project)	1593 Spring Hill Road	No	0	1	0	0	561 feet (SW)	
3015716	Tysons Corner Citgo	8512 Leesburg Pike	No	0	6	0	0	592 feet (E)	
3002129	USPS - West McLean Branch	1544 Spring Hill Road	No	0	1	0	0	690 feet (E)	
3009358	Olson Foreign Auto	1524E Spring Hill Road	No	0	1	0	0	753 feet (E)	
3011337	Rosenthal Jaguar	1592 Spring Hill Road	No	0	1	0	0	762 feet (SW)	
3002851	Templeton Oldsmobile Inc.	8598 Leesburg Pike	No	0	2	0	0	772 feet (NW)	
3001966	Moore Cadillac	8595 Leesburg Pike	No	0	4	0	0	905 feet (W)	
3001203	Ourisman Chevrolet	8600 Leesburg Pike	No	0	4	0	0	1,044 feet (NW)	
3002673	Browns Tysons Dodge	8606 Leesburg Pike	No	0	3	0	0	1,220 feet (NW)	
3002886	Tysons Jeep Eagle	8448 Leesburg Pike	No	0	1	0	0	1,390 feet (SE)	
3009491	Koons Tysons Toyota	8610 Leesburg Pike	Yes	0	1	1	0	1,530 feet (NW)	
3002847	Stollman Volkswagon Inc.	8433 Leesburg Pike	No	0	2	0	0	1,623 feet (SE)	
3008611	Centennial Tower at Westwood	8614 Westwood Center Drive	No	0	1	0	0	1,650 feet (W)	
3015165	PMG NVA Shell Store #9051	8411 Leesburg Pike	Yes	3	4	0	0	1,660 feet (SE)	
3023914	West Briar Elementary	1741 Pine Valley Drive	No	0	1	0	0	1,680 feet (S)	
3008669	Control Video Corp.	8620 Westwood Center Drive	No	0	1	0	0	1,818 feet (W)	
3002820	Gordon's Refuse Service Inc.	8341 Lewinsville Road	No	0	1	0	0	2,014 feet (NE)	
3003542	Sherman Construction Corp.	8900 Ash Grove Lane	No	0	1	0	0	2,095 feet (W)	
3025623	Westpark Plaza Hotel	8401 Westpark Drive	No	0	2	0	0	2,225 feet (SE)	
3006090	IBM-McLean Facility	8300 Greensboro Drive	No	0	1	0	0	2,510 feet (SE)	
3010752	Freddie Mac	8200 Jones Branch Drive	Yes	1	0	0	0	2,635 feet (NE)	

Table 3.

Project: Proposed Partial Line #2010 230kV Single Circuit Transmission Line Underground Pilot Program (Tysons – Future Spring Hill Substation)							
Documented Petroleum Releases within 0.5 mile of Proposed Project Area							
Pollution Complaint #	Facility Name	Facility Address	Release Reported	Federally Registered Tank	Release Status	Case Status	Distance from Proposed Project Area
1992-0932	Cherner Lincoln-Mercury	8500 Leesburg Pike	11/14/1991	Yes	Confirmed	CLOSED (08/14/97)	70 feet (NW)
1998-3700	Exxon Store #20718	8526 Leesburg Pike	3/17/1998	Yes	Confirmed	CLOSED (02/05/99)	175 feet (SE)
2000-3164	Exxon Store #20718	8526 Leesburg Pike	10/15/1999	Yes	Confirmed	CLOSED (12/15/99)	175 feet (SE)
1990-0339	Rosenthal Nissan - Tysons	8525 Leesburg Pike	9/18/1989	Yes	Confirmed	CLOSED (01/25/95)	215 feet (SE)
2008-3068	Rosenthal Nissan - Mazda	8525 Leesburg Pike	8/28/2007	No	Confirmed	CLOSED (09/10/07)	215 feet (SE)
1998-3643	Rosenthal Nissan	8525 Leesburg Pike	1/13/1998	Yes	Confirmed	CLOSED (03/08/02)	254 feet (SE)
1993-0157	Hayes Lumber	8520 Leesburg Pike	7/21/1992	Yes	Confirmed	CLOSED (03/24/93)	260 feet (SE)
1998-3631	Rosenthal Honda	1580 Spring Hill Road	12/17/1997	Yes	Confirmed	CLOSED (04/13/99)	407 feet (W)
1998-3638	Peacock Buick	8590 Leesburg Pike	12/29/1997	Yes	Confirmed	CLOSED (01/08/98)	458 feet (NW)
2000-3380	The Concourse	1593 Spring Hill Road	6/22/2000	Yes	Confirmed	CLOSED (06/22/00)	520 feet (SW)
2001-3111	HBL Porche-Mercedes	8545 Leesburg Pike	11/30/2000	Yes	Confirmed	CLOSED (12/02/04)	585 feet (W)
1994-1556	Templeton Oldsmobile	8598 Leesburg Pike	1/25/1994	Yes	Confirmed	CLOSED (08/24/94)	617 feet (NW)
1999-3045	Citgo - Tysons Corner	8512 Leesburg Pike	8/5/1998	Yes	Confirmed	CLOSED (10/20/98)	655 feet (SE)
1993-2154	Chevron Store #122250	8512 Leesburg Pike	4/29/1993	Yes	Confirmed	CLOSED (04/07/95)	660 feet (SE)
1998-3606	Templeton Oldsmobile	8598 Leesburg Pike	11/17/1997	Yes	Confirmed	CLOSED (11/24/97)	690 feet (NW)
1997-3155	Rosenthal Jaguar	1592 Spring Hill Road	3/31/1997	Yes	Confirmed	CLOSED (01/15/98)	720 feet (W)
2004-3174	Porche Audi Dealership	8598 Leesburg Pike	11/19/2003	Yes	Confirmed	CLOSED (01/20/04)	752 feet (NW)
1994-0801	Security Storage Company	8600 Leesburg Pike	11/9/1993	Yes	Confirmed	CLOSED (10/11/94)	866 feet (NW)
2008-3289	Houtz Residence	1718 Paisley Blue Court	6/10/2008	No (Residential)	Confirmed	CLOSED (09/16/08)	890 feet (S)
2011-3015	Bittner-Jones Residence	8608 Coral Gables Lane	7/12/2010	No (Residential)	Confirmed	CLOSED (09/03/10)	895 feet (S)
2001-3015	CDC L.P. Property	8500 Leesburg Pike	7/26/2000	Yes	Confirmed	CLOSED (09/07/00)	990 feet (SE)
1998-3510	Hakim Residence	8623 Coral Gables Lane	7/10/1997	No (Residential)	Confirmed	CLOSED (07/11/97)	1,065 feet (S)
2011-3011	Duprat Residence	8595 Coral Gables Lane	6/28/2010	No (Residential)	Confirmed	CLOSED (07/15/10)	1,160 feet (S)
2009-3060	Martin Residence	8619 Coral Gables Lane	10/7/2008	No (Residential)	Confirmed	CLOSED (10/17/08)	1,200 feet (S)
1999-3104	Moore Cadillac	8595 Leesburg Pike	9/30/1998	Yes	Confirmed	CLOSED (08/26/99)	1,205 feet (W)
2009-3059	Schive Residence	8621 Coral Gables Lane	10/7/2008	No (Residential)	Confirmed	CLOSED (10/17/08)	1,220 feet (S)
2005-3020	Tyson Jeep Eagle	8448 Leesburg Pike	7/22/2004	Yes	Confirmed	CLOSED (07/29/04)	1,353 feet (SE)
2005-3083	O'Reilly Residence	8696 Coral Gables Lane	9/27/2004	No (Residential)	Confirmed	CLOSED (07/19/05)	1,388 feet (S)
1993-2194	Kline Tysons Toyota	8610 Leesburg Pike	6/25/1993	No	Confirmed	CLOSED (08/11/94)	1,390 feet (NW)
1989-0795	Kline Tysons Toyota	8610 Leesburg Pike	1/18/1989	Yes	Confirmed	CLOSED (05/25/93)	1,390 feet (NW)
1998-3504	Kline Tysons Toyota	8610 Leesburg Pike	5/22/1997	Yes	Confirmed	CLOSED (07/10/97)	1,435 feet (NW)
1997-3217	Tysons Dodge (former)	8606 Leesburg Pike	6/19/1997	Yes	Confirmed	CLOSED (07/07/97)	1,441 feet (NW)
1995-4155	Stohlman Volkswagon	8433 Leesburg Pike	12/28/1994	Yes	Confirmed	CLOSED (05/24/95)	1,511 feet (SE)
1991-3002	West Briar Elementary	1741 Pine Valley Drive	5/1/1991	No	Confirmed	CLOSED (09/30/94)	1,550 feet (S)
1999-3054	Graham Residence	8593 Coral Gables Lane	8/13/1998	No (Residential)	Suspected	CLOSED (10/07/98)	1,615 feet (S)
2008-3020	Shell Store #139499	8411 Leesburg Pike	7/12/2007	Yes	Confirmed	CLOSED (11/05/07)	1,676 feet (SE)
1997-3221	Shell (former Mobile)	8411 Leesburg Pike	6/17/1997	Yes	Confirmed	CLOSED (07/17/98)	1,740 feet (SE)
1986-0505	Sheraton Tysons Corner	8661 Leesburg Pike	2/5/1986	No	Confirmed	CLOSED (08/05/94)	1,769 feet (W)

Table 4.

Project: Proposed Partial Line #2010 230kV Single Circuit Transmission Line Underground Pilot Program (Tysons – Future Spring Hill Substation)					
Small Quantity Generators within 0.5 mile of Proposed Project Area					
Handler ID #	Handler Name	Facility Address	Facility Score	Violations Found	Distance from Proposed Project Area
VAD014384663	Maaco Auto Painting	8501 Tyco Road	92.5	0	190 feet (NW)
VAD988200127	Tysons Auto Specialties	8455 Tyco Road	100	0	220 feet (NE)
VAD988213005	Sunbelt Rentals PC50	1552 Spring Hill Road	98.93	0	289 feet (E)
VAD981946353	Rosenthal Honda Body Shop	1548 Spring Hill Road	92.5	0	481 feet (E)
VAD023728793	Peacock Buick Inc.	8590 Leesburg Pike	100	0	550 feet (W)
VAD149980591	Goodyear Auto Service Center	1524 Spring Hill Road	100	0	550 feet (E)
VAD982576274	BDM Corporation Warehouse	8504 Tyco Road	92.5	0	670 feet (NW)
VAD101923696	Tysons Corner Collision Center/HBL	8598 Leesburg Pike	100	0	695 feet (NW)
VAD106741747	Rosenthal Jaguar	1592 Spring Hill Road	100	0	830 feet (SW)
VAD084923242	Moore Cadillac Company	8595 Leesburg Pike	100	0	867 feet (W)
VA0000188060	Security Storage of Washington	8600 Leesburg Pike	92.5	0	969 feet (NW)
VAD066775750	Kline Tyson Toyota	8602 Leesburg Pike	92.5	0	1,182 feet (NW)
VAR000527689	Walmart Supercenter	1500 Cornerside Boulevard	95.75	0	1,290 feet (W)
VAD003240488	Clover Tysons, L.P.	8333 Greensboro Drive	95.55	0	1,330 feet (SE)
VAD056282163	Stollman Volkswagon Inc.	8433 Leesburg Pike	100	0	1,623 feet (SE)
VAR000509919	Day and Night Printing	8618 Westwood Center Drive	100	0	2,080 feet (W)

Attachment 2.F.1

THREATENED AND ENDANGERED SPECIES REVIEW

**Draper Aden Associates***Engineering • Surveying • Environmental Services*

1030 Wilmer Avenue, Suite 100

Richmond, Virginia 23227

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MEMORANDUM

TO: Ms. Rachel Studebaker
Dominion Energy Virginia
10900 Nuckols Road, 4th Floor
Glen Allen, Virginia 23060

FROM: Bernard S. Blommel 
Environmental Services Division

DATE: 09-08-20

SUBJECT: Threatened and Endangered Species Review
Partial Line #2010 230kV Single Circuit Transmission Line Underground Pilot
Program (Tysons – Future Spring Hill Substation)

DAA Project No. 18020160-110303

Draper Aden Associates (DAA), on behalf of Dominion Energy Virginia, performed a threatened and endangered species review of the proposed project area for the Partial Line #2010 230kV Single Circuit Transmission Line Underground Pilot Program (Tysons – Future Spring Hill Substation). The goal of this review is to identify if the preferred habitats for listed threatened and endangered species that have the potential to be present on or in the immediate vicinity of the proposed project area. The probability of a potential species of concern actually being present at the proposed project area depends on the presence of the preferred habitat of that species.

With regard to information related to threatened and endangered species, a considerable amount of information concerning potential species of concern and related preferred habitats was obtained from the following sources:

- *U.S. Fish & Wildlife (USFWS) Information, Planning, and Conservation (IPAC)*
- *USFWS Critical Habitat for Threatened and Endangered Species Mapper*
- *USFWS Bald Eagle Concentration Area Map*
- *Center for Conservation Biology (CBB) Eagle Nest and Roost Locator for Virginia*
- *Virginia Department of Wildlife Resources (VDWR)*
- *VDWR Northern Long-eared Bat (NLEB) Winter Habitat and Roost Tree Map*
- *Virginia Fish and Wildlife Information Service (VAFWIS)*
- *Virginia Department of Conservation and Recreation (VDCR) Natural Heritage Data Explorer (NHDE)*

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For the purpose of this study, species designated as federally endangered, federally threatened, state endangered or state threatened were reviewed for potential presence within the proposed project area. Species of concern identified as *potentially* occurring within the proposed project area are discussed in the attached Species Conclusion Table and summarized below:

Species Name (<i>Scientific Name</i>)	Status	Results
Small Whorled Pogonia - (<i>Isotria medeoloides</i>) Database: USFWS, VDCR	FT, SE	Site observations of habitat are inconsistent with the species preferred habitat. Minimal clearing is proposed.
Northern long-eared Bat – (<i>Myotis septentrionalis</i>) Database: USFWS-IPAC	FT/ST	No critical habitat designated for this species in project area. Project area outside known hibernacula and summer roosts for species.
Bald Eagle – (<i>Haliaeetus leucocephalus</i>) Database: CCB	Protected	No Bald Eagle concentrations or nest were identified in the vicinity of the project area.

FT: federally threatened, FE: federally endangered, ST: state threatened, SE: state endangered, USFWS: US Fish and Wildlife Service, VDCR: Virginia Department of Conservation and Recreation, CCB: Center for Conservation Biology.

The Small Whorled Pogonia can be limited by shade. The species seems to require small light gaps, or canopy breaks, and generally grows in areas with sparse to moderate ground cover. Too many other plants in an area can be harmful to this plant. This orchid typically grows under canopies that are relatively open or near features that create long-persisting breaks in the forest canopy such as a road or a stream. It grows in mixed-deciduous or mixed-deciduous/coniferous forests that are generally in second- or third-growth successional stages. A visit to the proposed project area revealed the right-of-way areas to be thickly vegetated with vines and shrubs, with limited shade canopy. Site observations of habitat are inconsistent with the species preferred habitat, therefore no impacts to the Small Whorled Pogonia are anticipated.

The USFWS-IPaC database identified the federally and state threatened northern long-eared bat as potentially occurring within or near the project area; however, the DWR-NLEB Winter Habitat and Roost Tree Map shows no known hibernacula or maternity roost trees within the project vicinity. Additionally, based on the urban setting of the proposed project, no tree clearing is proposed, therefore no impacts to the NLEB are anticipated.

Although not initially identified within the proposed project area, the CCB Bald Eagle Nest Locator database and USFWS Bald Eagle Concentration Map were also reviewed for the potential presence of federally protected Bald Eagles in the proposed project vicinity. According to the information reviewed, no Bald Eagle concentrations or Bald Eagle nest were identified in the vicinity of the proposed project area, therefore no impacts to the Bald Eagle are anticipated.

Additionally, the USFWS Map and IPaC database identified no critical habitats in the vicinity of the proposed project area.

Ms. Rachel Studebaker
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Conclusions are based on database research, site observations and the proposed scope of work for the project, as outlined by Dominion Energy Virginia. The Project will be constructed within a combination of existing Company-owned property, existing rights-of-way, new rights of way and new VDOT permits. The Line will exit the existing Tysons Substation and continue southwest for approximately 0.20 miles on existing (42') right-of-way. At this point the Line will exit the existing right-of-way and turn south within a private service road for approximately 0.05 miles on new (30') right-of-way obtained from the developer until it reaches Spring Hill Road (Route 684). At Spring Hill Road, the Line will turn west within Spring Hill Road for approximately 0.05 miles via VDOT permit until it reaches the Leesburg Pike (Route 7). These two 0.05 mile sections of the Line are being relocated off of the existing easement to accommodate "The Views" future development. At Leesburg Pike the Line turns southwest crossing under the elevated Metro Train Line and Leesburg Pike via VDOT permit and then continues on existing (42') right-of-way for approximately 0.15 miles where the Line terminates at future Spring Hill Substation.

The proposed scope of work assumes that most of the work will occur within the existing right-of-way as part of vacating the overhead transmission line. Tree removal is expected to be limited to danger trees and limbing. If additional tree removal proves necessary, the project could rely on the findings of the 4(d) rule with a time of year restriction of June 1- July 31 for tree removal. The remainder of the work will involve undergrounding of the transmission line with minimal aboveground disturbance. Site observations also confirm that the proposed project is located in a heavily developed urban area.

Results of the databases searched are attached.

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If you have any questions, please contact me (Sblommel@daa.com) by email or by telephone (804.264.2228).

Attachments: Species Conclusion Table
USFWS-IPAC Database and Critical Habitat Search Results
USFWS Bald Eagle Concentration Map
VAFWIS-VDWR Database Search Results
VDWR-NLEB Winter Habitat and Roost Tree Map Database Search Results
VDCR Project Review and NHDE Database Search Results
CCB Bald Eagle Nest Locator Database Search Results

cc: Mr. Charles Weil (Dominion Energy Virginia)
Mr. Ken Wagner (DAA – Program Manager)

SPECIES CONCLUSION TABLE

Species Conclusions Table - State and Federal Species			
Name: Partial Line #2010 230kV Single Circuit Transmission Line Underground Pilot Program (Tysons – Future Spring Hill Substation)			
Date: 07/21/2020			
Species / Resource Name	Potential Habitat/Species Presence	Opinion	Notes / Documentation
Small Whorled Pogonia - <i>Isotria medeoloides</i> (FT/SE)	No suitable habitat present		Terrestrial. Preferred habitat is hardwood and mixed forest woodlands in successional forest communities. Site observations of habitat are inconsistent with the species preferred habitat.
Northern long-eared Bat			
Northern long-eared Bat - <i>Myotis septentrionalis</i> (FT/ST)	No suitable habitat present		Terrestrial. Use caves and mines for hibernation and seem to prefer tight crevices or holes. Forages over hillside, ridge forests rather than riparian, floodplain forests. Inhabits forested regions and is found beneath loose tree bark. Outside known NLEB habitat and roost trees (VDGIF Interactive Mapping accessed 06/2020).
Eagles			
Eagle Nests	Unlikely to disturb nesting bald eagles		Project area is not near mapped VA Eagle nest locations (Center for Conservation Biology Interactive Mapping accessed 06/12/2020).
Eagle Concentration Areas	Does not intersect with bald eagle concentration area		Project area is not near mapped VA Eagle roost locations (Center for Conservation Biology Interactive Mapping accessed 06/12/2020).
Critical Habitat			
Critical Habitat	No critical habitat present		There are no critical habitats within the project area (USFWS-IPAC review performed 05/20/2020).
Notes:			
1. Habitat information from VDW-VDGIF BOVA Booklet per species accessed 07/21/2020 and DCR NatureServe Explorer accessed 07/21/2020.			
2. Federally threatened and endangered species were identified through USFWS, VDWR, and DCR database searches.			
3. FE = Federally Endangered; FT = Federally Threatened; SE = State Endangered; ST = State Threatened			

USFWS



United States Department of the Interior

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In Reply Refer To:

August 27, 2020

Consultation Code: 05E2VA00-2020-SLI-5845

Event Code: 05E2VA00-2020-E-16243

Project Name: Partial Line #2010 Transmission Line Underground Pilot Program (Tysons - Spring Hill Substation)

Subject: List of threatened and endangered species that may occur in your proposed project location, and/or may be affected by your proposed project

To Whom It May Concern:

The enclosed species list identifies threatened, endangered, proposed and candidate species, as well as proposed and final designated critical habitat, that may occur within the boundary of your proposed project and/or may be affected by your proposed project. The species list fulfills the requirements of the U.S. Fish and Wildlife Service (Service) under section 7(c) of the Endangered Species Act (Act) of 1973, as amended (16 U.S.C. 1531 *et seq.*). Any activity proposed on National Wildlife Refuge lands must undergo a 'Compatibility Determination' conducted by the Refuge. Please contact the individual Refuges to discuss any questions or concerns.

New information based on updated surveys, changes in the abundance and distribution of species, changed habitat conditions, or other factors could change this list. Please feel free to contact us if you need more current information or assistance regarding the potential impacts to federally proposed, listed, and candidate species and federally designated and proposed critical habitat. Please note that under 50 CFR 402.12(e) of the regulations implementing section 7 of the Act, the accuracy of this species list should be verified after 90 days. This verification can be completed formally or informally as desired. The Service recommends that verification be completed by visiting the ECOS-IPaC website at regular intervals during project planning and implementation for updates to species lists and information. An updated list may be requested through the ECOS-IPaC system by completing the same process used to receive the enclosed list.

The purpose of the Act is to provide a means whereby threatened and endangered species and the ecosystems upon which they depend may be conserved. Under sections 7(a)(1) and 7(a)(2) of the Act and its implementing regulations (50 CFR 402 *et seq.*), Federal agencies are required to utilize their authorities to carry out programs for the conservation of threatened and endangered

08/27/2020

Event Code: 05E2VA00-2020-E-16243

species and to determine whether projects may affect threatened and endangered species and/or designated critical habitat.

A Biological Assessment is required for construction projects (or other undertakings having similar physical impacts) that are major Federal actions significantly affecting the quality of the human environment as defined in the National Environmental Policy Act (42 U.S.C. 4332(2)(c)). For projects other than major construction activities, the Service suggests that a biological evaluation similar to a Biological Assessment be prepared to determine whether the project may affect listed or proposed species and/or designated or proposed critical habitat. Recommended contents of a Biological Assessment are described at 50 CFR 402.12.

If a Federal agency determines, based on the Biological Assessment or biological evaluation, that listed species and/or designated critical habitat may be affected by the proposed project, the agency is required to consult with the Service pursuant to 50 CFR 402. In addition, the Service recommends that candidate species, proposed species and proposed critical habitat be addressed within the consultation. More information on the regulations and procedures for section 7 consultation, including the role of permit or license applicants, can be found in the "Endangered Species Consultation Handbook" at:

<http://www.fws.gov/endangered/esa-library/pdf/TOC-GLOS.PDF>

Please be aware that bald and golden eagles are protected under the Bald and Golden Eagle Protection Act (16 U.S.C. 668 *et seq.*), and projects affecting these species may require development of an eagle conservation plan (http://www.fws.gov/windenergy/eagle_guidance.html). Additionally, wind energy projects should follow the wind energy guidelines (<http://www.fws.gov/windenergy/>) for minimizing impacts to migratory birds and bats.

Guidance for minimizing impacts to migratory birds for projects including communications towers (e.g., cellular, digital television, radio, and emergency broadcast) can be found at: <http://www.fws.gov/migratorybirds/CurrentBirdIssues/Hazards/towers/towers.htm>; <http://www.towerkill.com>; and <http://www.fws.gov/migratorybirds/CurrentBirdIssues/Hazards/towers/comtow.html>.

We appreciate your concern for threatened and endangered species. The Service encourages Federal agencies to include conservation of threatened and endangered species into their project planning to further the purposes of the Act. Please include the Consultation Tracking Number in the header of this letter with any request for consultation or correspondence about your project that you submit to our office.

Attachment(s):

- Official Species List
 - USFWS National Wildlife Refuges and Fish Hatcheries
-

Official Species List

This list is provided pursuant to Section 7 of the Endangered Species Act, and fulfills the requirement for Federal agencies to "request of the Secretary of the Interior information whether any species which is listed or proposed to be listed may be present in the area of a proposed action".

This species list is provided by:

Virginia Ecological Services Field Office

6669 Short Lane

Gloucester, VA 23061-4410

(804) 693-6694

Project Summary

Consultation Code: 05E2VA00-2020-SLI-5845

Event Code: 05E2VA00-2020-E-16243

Project Name: Partial Line #2010 Transmission Line Underground Pilot Program
(Tysons - Spring Hill Substation)

Project Type: TRANSMISSION LINE

Project Description: Dominion Energy Virginia is proposing a new project which, if approved, will take place in Tysons Corner, Fairfax County, Virginia. The Project will be constructed within a combination of existing Company-owned property, existing rights-of-way, new rights of way and new VDOT permits. The Line will exit the existing Tysons Substation and continue southwest for approximately 0.20 mile on existing (42') right-of-way. At this point the Line will exit the existing right-of-way and turn south within a private service road for approximately 0.05 mile on new (30') right-of-way obtained from the developer until it reaches Spring Hill Road (Route 684). At Spring Hill Road the Line will turn west within Spring Hill Road for approximately 0.05 mile via VDOT permit until it reaches the Leesburg Pike (Route 7). These two 0.05 mile sections of the Line are being relocated off of the existing easement to accommodate "The Views" future development. At Leesburg Pike the Line turns southwest crossing under the elevated Metro Train Line and Leesburg Pike via VDOT permit and then continues on existing (42') right-of-way for approximately 0.15 mile where the Line terminates at future Spring Hill Substation.

Project Location:

Approximate location of the project can be viewed in Google Maps: <https://www.google.com/maps/place/38.928605113169496N77.24066625974598W>

Endangered Species Act Species

There is a total of 1 threatened, endangered, or candidate species on this species list.

Species on this list should be considered in an effects analysis for your project and could include species that exist in another geographic area. For example, certain fish may appear on the species list because a project could affect downstream species.

IPaC does not display listed species or critical habitats under the sole jurisdiction of NOAA Fisheries¹, as USFWS does not have the authority to speak on behalf of NOAA and the Department of Commerce.

See the "Critical habitats" section below for those critical habitats that lie wholly or partially within your project area under this office's jurisdiction. Please contact the designated FWS office if you have questions.

-
1. [NOAA Fisheries](#), also known as the National Marine Fisheries Service (NMFS), is an office of the National Oceanic and Atmospheric Administration within the Department of Commerce.

Mammals

NAME	STATUS
Northern Long-eared Bat <i>Myotis septentrionalis</i> No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/9045	Threatened

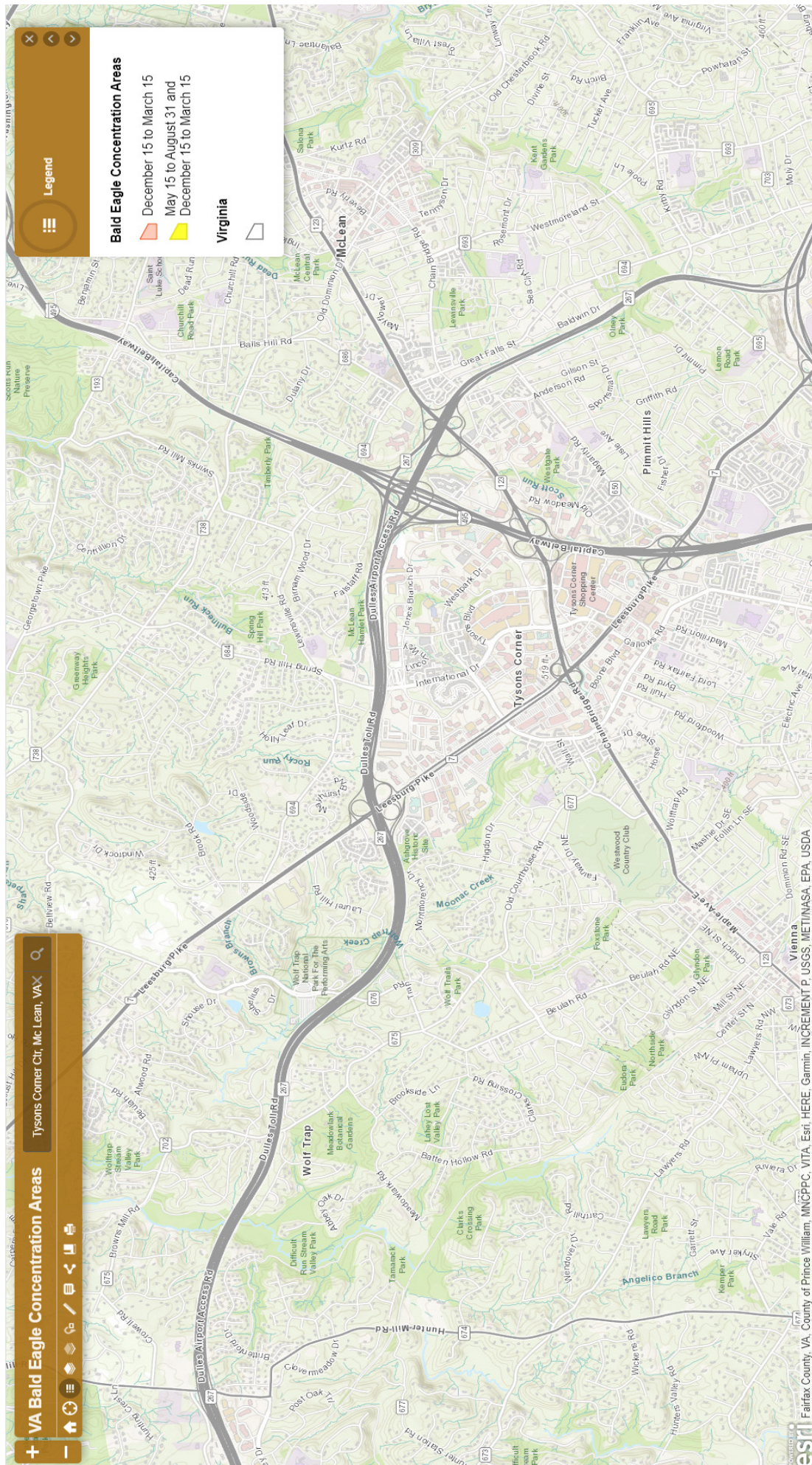
Critical habitats

THERE ARE NO CRITICAL HABITATS WITHIN YOUR PROJECT AREA UNDER THIS OFFICE'S JURISDICTION.

USFWS National Wildlife Refuge Lands And Fish Hatcheries

Any activity proposed on lands managed by the [National Wildlife Refuge](#) system must undergo a 'Compatibility Determination' conducted by the Refuge. Please contact the individual Refuges to discuss any questions or concerns.

THERE ARE NO REFUGE LANDS OR FISH HATCHERIES WITHIN YOUR PROJECT AREA.



VAFWIS-VDWR

VaFWIS Initial Project Assessment Report Compiled on 7/21/2020, 6:36:56 PM[Help](#)

Known or likely to occur within a **2 mile radius around point 38.9290278 -77.2399720**
in **059 Fairfax County, VA**

[View Map of
Site Location](#)

696 Known or Likely Species ordered by Status Concern for Conservation
(displaying first 30) (30 species with Status* or Tier I** or Tier II**)

BOVA Code	Status*	Tier**	Common Name	Scientific Name	Confirmed	Database(s)
010032	FESE	Ib	Sturgeon, Atlantic	Acipenser oxyrinchus		BOVA
050022	FTST	Ia	Bat, northern long-eared	Myotis septentrionalis		BOVA
060029	FTST	IIa	Lance, yellow	Elliptio lanceolata		BOVA
050020	SE	Ia	Bat, little brown	Myotis lucifugus		BOVA
050027	SE	Ia	Bat, tri-colored	Perimyotis subflavus		BOVA
060006	SE	Ib	Floater, brook	Alasmodonta varicosa		BOVA
030062	ST	Ia	Turtle, wood	Glyptemys insculpta		BOVA,Habitat
040096	ST	Ia	Falcon, peregrine	Falco peregrinus		BOVA
040293	ST	Ia	Shrike, loggerhead	Lanius ludovicianus		BOVA
040379	ST	Ia	Sparrow, Henslow's	Centronyx henslowii		BOVA
100155	ST	Ia	Skipper, Appalachian grizzled	Pyrgus wyandot		BOVA
040292	ST		Shrike, migrant loggerhead	Lanius ludovicianus migrans		BOVA
030063	CC	IIIa	Turtle, spotted	Clemmys guttata		BOVA
010077		Ia	Shiner, bridge	Notropis bifrenatus		BOVA
040040		Ia	Ibis, glossy	Plegadis falcinellus		BOVA
040306		Ia	Warbler, golden-winged	Vermivora chrysoptra		BOVA
100248		Ia	Fritillary, regal	Speyeria idalia idalia		BOVA
040213		Ic	Owl, northern saw-whet	Aegolius acadicus		BOVA
040052		IIa	Duck, American black	Anas rubripes		BOVA
040033		IIa	Egret, snowy	Egretta thula		BOVA
040029		IIa	Heron, little blue	Egretta caerulea caerulea		BOVA
040036		IIa	Night-heron, yellow-crowned	Nyctanassa violacea violacea		BOVA
040181		IIa	Tern, common	Sterna hirundo		BOVA
040320		IIa	Warbler, cerulean	Setophaga cerulea		BOVA
040140		IIa	Woodcock, American	Scolopax minor		BOVA
060071		IIa	Lampmussel, yellow	Lampsilis cariosa		BOVA
040203		IIb	Cuckoo, black-billed	Coccyzus erythrophthalmus		BOVA
040105		IIb	Rail, king	Rallus elegans		BOVA
040304		IIc	Warbler, Swainson's	Limnethlypis swainsonii		BOVA
100154		IIc	Butterfly, Persius duskywing	Erynnis persius persius		BOVA

To view **All 696 species** [View 696](#)

*FE=Federal Endangered; FT=Federal Threatened; SE=State Endangered; ST=State Threatened; FP=Federal Proposed; FC=Federal Candidate; CC=Collection Concern

**I=VA Wildlife Action Plan - Tier I - Critical Conservation Need; II=VA Wildlife Action Plan - Tier II - Very High Conservation Need; III=VA Wildlife Action Plan - Tier III - High Conservation Need; IV=VA Wildlife Action Plan - Tier IV - Moderate Conservation Need
Virginia Wildlife Action Plan Conservation Opportunity Ranking:

a - On the ground management strategies/actions exist and can be feasibly implemented,;

b - On the ground actions or research needs have been identified but cannot feasibly be implemented at this time,;

c - No on the ground actions or research needs have been identified or all identified conservation opportunities have been exhausted.

Bat Colonies or Hibernacula: **Not Known**

Anadromous Fish Use Streams

N/A

Colonial Water Bird Survey

N/A

Threatened and Endangered Waters

N/A

Managed Trout Streams

N/A

Bald Eagle Concentration Areas and Roosts

N/A

Bald Eagle Nests

N/A

Habitat Predicted for Aquatic WAP Tier I & II Species (3 Reaches)[View Map Combined Reaches from Below of Habitat Predicted for WAP Tier I & II Aquatic Species](#)

Stream Name	Tier Species						View Map
	Highest TE*	BOVA Code, Status*, Tier**, Common & Scientific Name					
Bullneck Run (20700081)	ST	030062	ST	Ia	Turtle, wood	Glyptemys insculpta	Yes
Rocky Run (20700081)	ST	030062	ST	Ia	Turtle, wood	Glyptemys insculpta	Yes
tributary (20700081)	ST	030062	ST	Ia	Turtle, wood	Glyptemys insculpta	Yes
tributary (20700081)	ST	030062	ST	Ia	Turtle, wood	Glyptemys insculpta	Yes

Habitat Predicted for Terrestrial WAP Tier I & II Species

N/A

Public Holdings: (2 names)

Name	Agency	Level
Wolf Trap Farm National Performing Arts Park	National Park Service	Federal
Wolf Trap Farm National Performing Arts Park	National Park Service	Federal

Compiled on 7/21/2020, 6:36:56 PM I1045230.0 report=IPA searchType= R dist= 3218 poi= 38.9290278 -77.2399720

PixelSize=64; Anadromous=0.037512; BECAR=0.024725; Bats=0.024667; Buffer=0.101831; County=0.099661; Impediments=0.043338; Init=0.16108; PublicLands=0.054256; SppObs=0.39759; TEWaters=0.035129; TierReaches=0.08256; TierTerrestrial=0.052495; Total=1.289722; Tracking_BOVA=0.23417; Trout=0.029098

Site Location

38,55,44.5 -77,14,23.9
is the Search Point

Show Position Rings

☒ Yes ☐ No
1/2 mile and 1/8 mile at the
Search Point

Show Search Area

☒ Yes ☐ No
2 Search distance miles
radius

Search Point is at
map center

Base Map [Choices](#)

Topography v

Map Overlay [Choices](#)

Current List: Position, Search,
BECAR, BAEANests,
TEWaters, TierII, Habitat,
Trout, Anadromous

Map Overlay Legend

T & E Waters

Federal

State

Predicted Habitat
WAP Tier I & II

Aquatic

Terrestrial

Trout Waters

Class I - IV

Class V - VI

Anadromous Fish Reach

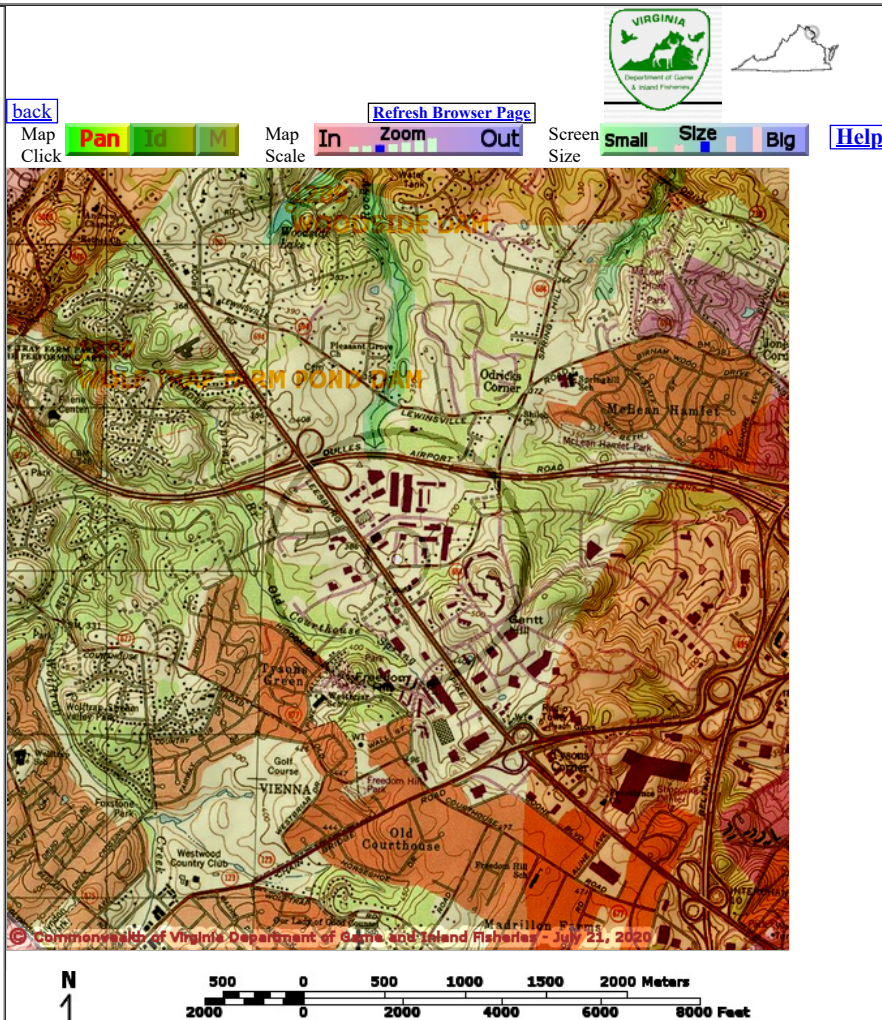
Confirmed

Potential

J23 Impediment

Position Rings
1/2 mile and
1/8 mile at the
Search Point

2 mile radius
Search Area

Bald Eagle
Concentration Areas
and Roosts


Point of Search 38,55,44.5 -77,14,23.9

Map Location 38,55,44.5 -77,14,23.9

Select **Coordinate System**: ☒ Degrees,Minutes,Seconds Latitude - Longitude

☐ Decimal Degrees Latitude - Longitude

☐ Meters UTM NAD83 East North Zone

☐ Meters UTM NAD27 East North Zone

Base Map source: Topographic maps from TOPO! copyright 2006 (see [National Geographic Maps](#) for details)

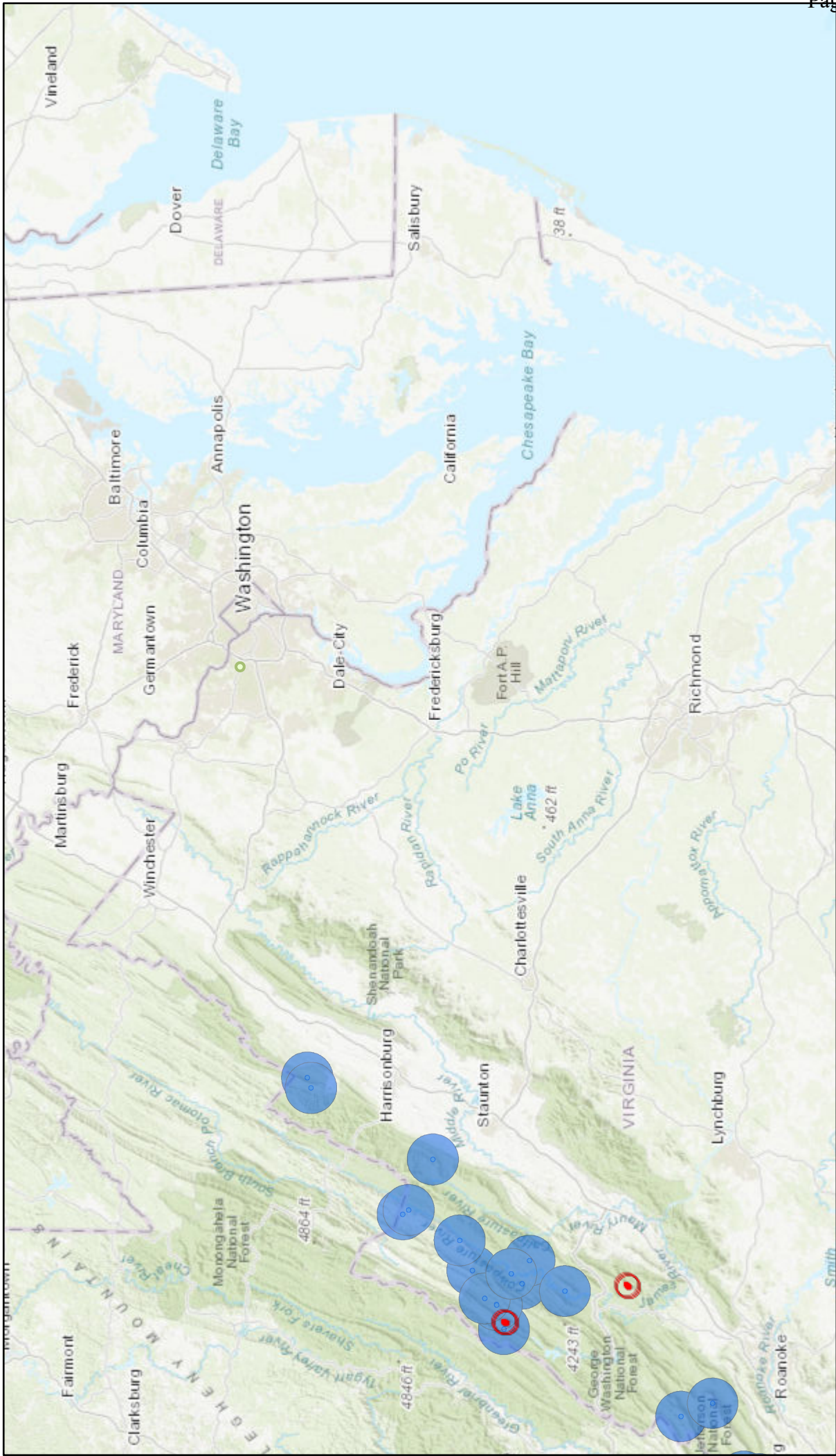
Map projection is UTM Zone 18 NAD 1983 with left 303435 and top 4313686. Pixel size is 8 meters. Coordinates displayed are Degrees, Minutes, Seconds North and West. Map is currently displayed as 600 columns by 600 rows for a total of 360000 pixels. The map display represents 4800 meters east to west by 4800 meters north to south for a total of 23.0 square kilometers. The map display represents 15750 feet east to west by 15750 feet north to south for a total of 8.9 square miles.

Topographic maps and Black and white aerial photography for year 1990+- are from the United States Department of the Interior, United States Geological Survey. Color aerial photography acquired 2002 is from Virginia Base Mapping Program, Virginia Geographic Information Network. Shaded topographic maps are from TOPO! ©2006 National Geographic <http://www.national.geographic.com/topo> All other map products are from the Commonwealth of Virginia Department of Game and Inland Fisheries.

map assembled 2020-07-21 18:39:36 (qa/qc March 21, 2016 12:20 - tn=1045230.0 dist=3218
I)
\$poi=38.9290278 -77.2399720

VDWR - NLEB

NLEB Locations and Roost Trees



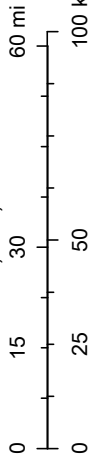
5/26/2020, 1:23:29 PM

○ NLEB Known Occupied Maternity Roost (Summer Habitat)

■ NLEB Hibernaculum 5.5 Mile Buffer

■ NLEB Hibernaculum Half Mile Buffer

1:2,311,162



Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, Geobase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

VA Dept. Game & Inland Fisheries
Esri, HERE, Garmin, FAO, USGS, EPA, NPS |

VDCR - NHDE

Natural Heritage Resources

Your Criteria

Taxonomic Group: Select All

Global Conservation Status Rank: Select All

State Conservation Status Rank: Select All

Federal Legal Status: Select All

State Legal Status: Select All

County: Fairfax

Physiographic Province: Northern Piedmont

Watershed (8 digit HUC): 02070010 - Middle Potomac-Anacostia-Occoquan

Search Run: 5/20/2020 19:08:29 PM

Result Summary

Total Species returned: 1

Total Communities returned: 0

Click scientific names below to go to NatureServe report.

Click column headings for an explanation of species and community ranks.

Common Name/Community	Scientific Name	Scientific Name Linked	Global Conservation Status Rank	State Conservation Status Rank	Federal Legal Status	State Legal Status	Statewide Occurrences	Virginia Coastal Zone
Fairfax								
Northern Piedmont								
Middle Potomac-Anacostia-Occoquan								
VASCULAR PLANTS								
Small	Isotria medeoloides	Isotria medeoloides	G2?	S2	LT	LE	60	Y
Whorled								
Pogonia								

Note: On-line queries provide basic information from DCR's databases at the time of the request. They are NOT to be substituted for a project review or for on-site surveys required for environmental assessments of specific project areas.

For Additional Information on locations of Natural Heritage Resources please submit an [information request](#).

To Contribute information on locations of natural heritage resources, please fill out and submit a [rare species sighting form](#).

CCB

The Center for CONSERVATION BIOLOGY

- About Us
- What We Do
- Resources
- News Room
- Give to CCB

CCB MAPPING PORTAL

[Help / FAQ](#)

Layers

- Bald Eagle
- VA Eagle Nest Locator
 - Zoom to Extent

Most recent data CCB has on bald eagle nest locations in Virginia. Data is largely from two annual aerial flights conducted in winter and spring of all tributaries of the lower Chesapeake Bay and other prominent bodies of water. Reported ground survey data is also included.

[More Info](#)

- VA Eagle Nest Buffers
- Eagle Roosts
- Eagle Roost Polygons
- Eagle Roost Buffers
- Eagle Roosts by Topoquad
- Waterbirds
 - Colonial Waterbirds 2018
 - Colonial Waterbirds 2013
 - Chesapeake Bay Herons 2013
 - Colonial Waterbirds 2008
 - Colonial Waterbirds 2003
- Osprey
 - OspreyWatch Nests
 - Chesapeake Bay Osprey Nests 1995-1996
- Nightjar Survey Network Routes

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1 km | 3000 ft

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Full Screen

Measure

Layers

Legend

Home

Print

Lagler | © OpenStreetMap contributors, CartoDB attribution
BETH

Attachment 2.F.2
VDCR-DNH PROJECT REVIEW



Department of Conservation & Recreation

[CONSERVING VIRGINIA'S NATURAL & RECREATIONAL RESOURCES](#)

PROJECT INFORMATION

Web Project ID: WEB00000013926

Client Project Number: 18020160-110303

TITLE: Partial Line #2010-230KV Single Circuit Transmission Line Underground Pilot Program - (Tysons - Future Spring Hill Substation)

DESCRIPTION: Dominion Energy Virginia is proposing a new project which, if approved, will take place in Tysons Corner, Fairfax County, Virginia. The Project will be constructed within a combination of existing Company-owned property, existing rights-of-way, new rights of way and new VDOT permits. The Line will exit the existing Tysons Substation and continue southwest for approximately 0.20 mile on existing (42') right-of-way. At this point the Line will exit the existing right-of-way and turn south within a private service road for approximately 0.05 mile on new (30') right-of-way obtained from the developer until it reaches Spring Hill Road (Route 684). At Spring Hill Road the Line will turn west within Spring Hill Road for approximately 0.05 mile via VDOT permit until it reaches the Leesburg Pike (Route 7). These two 0.05 mile sections of the Line are being relocated off of the existing easement to accommodate "The Views" future development. At Leesburg Pike the Line turns southwest crossing under the elevated Metro Train Line and Leesburg Pike via VDOT permit and then continues on existing (42') right-of-way for approximately 0.15 mile where the Line terminates at future Spring Hill Substation with additional wood single circuit transmission pole (#2010/12) removal.

EXISTING SITE CONDITIONS: Urban easement with local trail

QUADRANGLES: Falls Church

COUNTIES: Fairfax

Latitude/Longitude (DMS): 38° 55' 43.5033" N / 77° 14' 25.6190" W

Acreage: 4 acres

Comments: Overhead to underground improvement for transmission line.

REQUESTOR INFORMATION

Priority: N

Tier Level: Tier II

Tax ID:

Contact Name: Bernard Blommel

Company Name: Draper Aden Associates

Address: 8090 Villa Park Drive

City: Richmond	State: VA	Zip: 23228
Phone: 804-264-2228	Fax: 804-264-8773	Email: sblommel@daa.com

Conservation Site	Site Type	Brank	Acreage	Listed Species Presence	Essential Conservation Site?
Natural Heritage Screening Features Intersecting Project Boundary					

Site Name	Group Name	Common Name	Scientific Name	GRANK	SRANK	Fed Status	Species of Concern	State Status	EO Rank	Last Obs Date	Precision
Natural Heritage Resources Intersecting Project Boundary											

Intersecting Predictive Models											
Predictive Model Results											

010-230KV Single Circuit Transmission Line Underground Pilot Program - (Tysons - Future Spring F



Project Boundary

Buffered Project Boundary

Quads: Falls Church
Counties: Fairfax

Company: Draper Aden Associates
Lat/Long: 385543 / -771425



COMMONWEALTH of VIRGINIA
DEPARTMENT OF CONSERVATION AND RECREATION

The project mapped as part of this report has been searched against the Department of Conservation and Recreation's Biotics Data System for occurrences of natural heritage resources in the vicinity of the area indicated for this project. Natural heritage resources are defined as the habitat of rare, threatened, or endangered plant and animal species, unique or exemplary natural communities, and significant geologic formations.

According to the information currently in Biotics, natural heritage resources have not been documented within the submitted project boundary including a 100 foot buffer. In addition, the project area does not intersect any of the predictive models identifying potential habitat for natural heritage resources.

Under a Memorandum of Agreement established between the Virginia Department of Agriculture and Consumer Services (VDACS) and the Virginia Department of Conservation and Recreation (DCR), DCR represents VDACS in comments regarding potential impacts on state-listed threatened and endangered plant and insect species. The current activity will not affect any documented state-listed plants or insects.

Any absence of data may indicate that the project area has not been surveyed, rather than confirm that the area lacks additional natural heritage resources. New and updated information is continually added to Biotics. Please revisit this website or contact DCR for an update on this natural heritage information if a significant amount of time passes (DCR recommends no more than six months) before it is utilized.

The Virginia Department of Wildlife Resources maintains a database of wildlife locations, including threatened and endangered species, trout streams, and anadromous fish waters, that may contain information not documented in the Natural Heritage Data Explorer. Their database may be accessed from <http://vafwis.org/fwis/> or contact Ernie Aschenbach (804-367-2733 or Ernie.Aschenbach@dwr.virginia.gov).

Thank you for submitting your project to the Virginia Department of Conservation and Recreation's Natural Heritage Data Explorer Web Service. Should you have any questions or concerns about this report, the Data Explorer, or other Virginia Natural Heritage Program services, please contact the Natural Heritage Project Review Unit at 804-371-2708.

Attachment 2.G.1

EROSION

CONTROL



Commonwealth of Virginia

VIRGINIA DEPARTMENT OF ENVIRONMENTAL QUALITY

1111 E. Main Street, Suite 1400, Richmond, Virginia 23219

P.O. Box 1105, Richmond, Virginia 23218

(800) 592-5482

www.deq.virginia.gov

Matthew J. Strickler
Secretary of Natural Resources

David K. Paylor
Director
(804) 698-4000

August 13, 2019

Mr. Jason E. Williams
Director Environmental Services
Dominion Energy
5000 Dominion Boulevard
Glen Allen, VA 23060

Transmitted electronically: jason.e.william@dominionenergy.com

Subject: Dominion Energy (Electric Transmission) – Annual Standards and Specifications for Erosion & Sediment Control and Stormwater Management (AS&S for ESC and SWM)

Dear Mr. Williams:

The Virginia Department of Environmental Quality ("DEQ") hereby approves the Annual Standards and Specifications for Erosion & Sediment Control and Stormwater Management for Dominion Energy (Electric Transmission) dated "May 29, 2019". This coverage is effective from August 13, 2019 to August 12, 2020.

To ensure compliance with approved specifications, the Virginia Erosion and Sediment Control Law and the Virginia Stormwater Management Act, DEQ staff will conduct random site inspections, respond to complaints, and provide on-site technical assistance with specific erosion and sediment control and stormwater management measures and plan implementation.

Please note that your approved Annual Standards and Specifications include the following requirements:

1. Variance, exception, and deviation requests must be submitted separately from this Annual Standards and Specifications submission to DEQ. DEQ may require project-specific plans associated with variance requests to be submitted for review and approval.
2. The following information must be submitted to DEQ for each project at least two weeks in advance of the commencement of regulated land-disturbing activities. Notifications shall be sent by email to: StandardsandSpecs@deq.virginia.gov
 - i: Project name or project number;
 - ii: Project location (including nearest intersection, latitude and longitude, access point);
 - iii: On-site project manager name and contact info;
 - iv: Responsible Land Disturber (RLD) name and contact info;
 - v: Project description;

Dominion Energy (Electric Transmission) – AS&S for ESC and SWM

August 12, 2019

Page 2 of 2

- vi: Acreage of disturbance for project;
 - vii: Project start and finish date; and
 - viii: Any variances/exceptions/waivers associated with this project.
3. Project tracking of all regulated land disturbing activities (LDA) must be submitted to the DEQ on a bi-annual basis. Project tracking records shall contain the same information as required in the two week e-notifications for each regulated LDA.
 4. Erosion & Sediment Control and Stormwater Management plan review and approval must be conducted by DEQ-Certified plan reviewers and documented in writing.

To ensure an efficient information exchange and response to inquiries, the DEQ Central Office is your primary point of contact. Central Office staff will coordinate with our Regional Office staff as appropriate.

Thank you very much for your submission and continued efforts to conserve and protect Virginia's precious natural resources.

Sincerely,



Jaime B. Robb, Manager
Office of Stormwater Management

Cc: Amelia Boschen, Amelia.h.boschen@dominionenergy.com
Elizabeth Hester, Elizabeth.l.hester@dominionenergy.com
Stacey Ellis, Stacey.t.ellis@dominionenergy.com

Case Decision Information:

As provided by Rule 2A:2 of the Supreme Court of Virginia, you have thirty days from the date of service (the date you actually received this decision or the date it was mailed to you, whichever occurred first) within which to appeal this decision by filing a notice of appeal in accordance with the Rules of the Supreme Court of Virginia with the Director, Department of Environmental Quality. In the event that this decision is served on you by mail, three days are added to that period.

Attachment 2.H.1.

STAGE 1 PRE-APPLICATION ANALYSIS

STAGE I PRE-APPLICATION ANALYSIS

**PARTIAL LINE #2010 230KV SINGLE CIRCUIT TRANSMISSION LINE
UNDERGROUND PILOT PROGRAM
(TYSONS – FUTURE SPRING HILL SUBSTATION)**

DAA PROJECT NO. 18020160-110303

Prepared for:

DOMINION ENERGY VIRGINIA
10900 Nuckols Road, 4th Floor
Glen Allen, Virginia 23060

Prepared by:

DRAPER ADEN ASSOCIATES
Richmond, Virginia

September 17, 2020

STAGE I PRE-APPLICATION ANALYSIS

**PARTIAL LINE #2010 230KV SINGLE CIRCUIT TRANSMISSION LINE
UNDERGROUND PILOT PROGRAM
(TYSONS – FUTURE SPRING HILL SUBSTATION)**

DAA PROJECT NO. 18020160-110303

This document has been prepared by Draper Aden Associates in accordance with generally accepted standards of environmental practice for the exclusive use of Dominion Energy Virginia, for specific application to the referenced site. No other warranty is either expressed or implied.

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B. Scott Blommel (CESCO)
Environmental Scientist

Ken Wagner
Project Manager

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STAGE I PRE-APPLICATION ANALYSIS

PARTIAL LINE #2010 230KV SINGLE CIRCUIT TRANSMISSION LINE UNDERGROUND PILOT PROGRAM (TYSONS – FUTURE SPRING HILL SUBSTATION)

DAA PROJECT NO. 18020160-110303

1.0 SUMMARY

Dominion Energy Virginia is proposing a new project which, if approved, will take place in Tysons Corner, Fairfax County, Virginia. The Project will be constructed within a combination of existing Company-owned property, existing rights-of-way, new rights of way and new VDOT permits. The Proposed Route consists of approximately 0.58 mile of variable width right-of-way along existing Line #2010 between Tysons Substation and just south of the future Spring Hill Substation site. It largely will be on existing Company owned right-of-way and deviates for approximately 0.10 mile to accommodate the future site of "The View" development. The Line will exit the existing Tysons Substation across Tyco Road via VDOT permit and continue south-west for approximately 0.20 mile on existing 42-foot right-of-way. Temporary construction easements will be needed along this segment as will a VDOT permit. At this point, the Line will depart from the existing right-of-way and turn south within a private service road for approximately 0.05 mile on a new acquired 30-foot easement until it reaches Spring Hill Road (Route 684). Temporary construction easement will be required along this segment.

At Spring Hill Road, the Line will turn West within Spring Hill Road for approximately 0.05 mile via a VDOT permit until it reaches the Leesburg Pike (Route 7). These two 0.05 mile sections of the Line are being relocated outside of the existing right-of-way to accommodate The View, a future development. At Leesburg Pike, the Line turns Southwest crossing under the elevated Metro Train Line and crossing Leesburg Pike via a VDOT permit for approximately 0.05 mile and then continues on existing 42-foot right-of-way for approximately 0.14 mile where it turns south-east and goes around the east side of the future Spring Hill Substation site within existing easement and the future Substation parcel. Temporary construction easements will be required along this segment. Just south of the future Spring Hill Substation parcel, the Line continues on existing 42-foot right-of-way to terminate at a Transition Pole.

For purposes of this Project, the Company intends to build a Transition Pole just south of the location where the Company plans to construct the future Spring Hill Substation. The Transition Pole will be approximately 140 feet tall, subject to final engineering. The Company also intends to replace the existing structure #2010/12 located south of the future Spring Hill Substation. The existing approximately 61-foot structure #2010/12 will be replaced with an approximately 90-foot structure, subject to final engineering.
(see Notice Map, APPENDIX 1).

As the project involves proposed improvements to an existing 230 kV transmission line, Dominion Energy Virginia is preparing an application for a certificate of public convenience and necessity from the State Corporation Commission (“SCC”). On behalf of Dominion Energy Virginia, Draper Aden Associates conducted a Stage I Pre-Application Analysis to assist in this effort.

Historical resources research for the Stage I Pre-Application Analysis was conducted by Draper Aden Associates originally in April and again in August 2020 after a boundary extension. This preliminary research was conducted pursuant to the *Guidelines for Assessing Impacts of Proposed Electric Transmission Lines and Associated Facilities on Historic Resources in the Commonwealth of Virginia* (Virginia Department of Historic Resources [VDHR] 2008) for proposed substation and transmission line improvements. As detailed by VDHR guidance, consideration was given to National Historic Landmark (NHL) properties located within a 1.5-mile radius of the project; National Register of Historic Places (NRHP)-listed properties, Battlefields, and Historic Landscapes located within a 1.0-mile radius of the project; NRHP-eligible sites located within a 0.5-mile radius of the project; and archaeological sites located within the Dominion Energy-owned property and right-of-way (ROW).

Historical resources research for the proposed project area yielded the following conclusions:

Based upon a review of databases maintained by the VDHR, **no NHL properties were identified** within 1.5 miles of the proposed project area.

Based upon a review of databases maintained by the VDHR, **no NRHP-listed properties were identified** within 1.0 mile of the proposed project area.

Based upon a review of databases maintained by the VDHR, **no Battlefields or Historic Landscape properties were identified** within 1.0 mile of the proposed project area.

Based upon a review of databases maintained by the VDHR, **no NRHP-eligible sites were identified** within 0.5 mile of the proposed project area.

Based upon a review of databases maintained by the VDHR, **no archaeological sites were identified** within the Dominion Energy-owned property and right-of-way.

A field study was conducted by Draper Aden Associates personnel on July 23, 2020. A pedestrian survey was performed and photographs were taken of current conditions along the proposed project route. Due to the proposed removal of the existing above-ground transmission line structures and replacement with an underground line, we expect an overall improvement and beneficial effect to the viewshed in the vicinity of the proposed project area.

Based upon the field study and an assessment of information reviewed for the subject analysis, we determine the proposed project will have no impact to any National Historic Landmark (NHL) properties located within a 1.5-mile radius of the project; National Register of Historic Places (NRHP)-listed properties, Battlefields, and Historic Landscapes located within a 1.0-mile radius of the project; NRHP-eligible sites located within a 0.5-mile radius of the project; or archaeological sites located within the Dominion Energy-owned property and ROW.

The proposed project area was not subject to systematic survey as part of the Stage I analysis. However, a pedestrian survey was performed and photographs of current conditions at the proposed project area were taken. Vicinity properties and the proposed project area appear to be urban in nature. No surface indications of archaeological sites were identified during the pedestrian survey of the proposed project area. However, because the area of new ROW has not been previously surveyed, archaeological investigation is recommended for those areas planned for ground disturbing activity within the proposed project area.

2.0 INTRODUCTION

Dominion Energy Virginia is proposing a new project which, if approved, will take place in Tysons Corner, Fairfax County, Virginia. The project requires portions of the existing overhead alignment to be relocated to accommodate future redevelopment within the Tysons Corner Urban District, for a proposed future development referred to as “the View”. This same relocated portion of the existing transmission right-of-way will be vacated, and new right-of-way will be secured for this relocation and the same conversion of overhead to underground between Springhill and Tysons Substations will occur, as one route option of this project.

As the project involves proposed improvements to an existing 230 kV transmission line, Dominion Energy Virginia is preparing an application for a certificate of public convenience and necessity from the State Corporation Commission (“SCC”). On behalf of Dominion Energy Virginia, Draper Aden Associates conducted a Stage I Pre-Application Analysis to assist in this effort.

The relocation and undergrounding of this line is expected to replace aging infrastructure and improve the overall viewshed in the vicinity of the proposed project area.

3.0 HISTORIC RESOURCES

The *Guidelines for Assessing Impacts of Proposed Electric Transmission Lines and Associated Facilities on Historic Resources in the Commonwealth of Virginia* (VDHR 2008) were developed by the VDHR to assist the SCC and their applicants to address and minimize potential impacts to historic resources associated with the construction of large-scale transmission lines and associated facilities. As detailed by VDHR guidance, consideration was given to National Historic Landmark (NHL) properties located within a 1.5-mile radius of the project; National Register of Historic Places (NRHP)-listed properties, Battlefields, and Historic Landscapes located within a 1.0-mile radius of the proposed project; NRHP-eligible sites located within a 0.5-mile radius of the proposed project; and archaeological sites located within the Dominion Energy-owned property and ROW for the undergrounding project.

The Virginia Cultural Resource Information System (V-CRIS) database, maintained by the VDHR, was reviewed as part of this analysis (map and tables presented in APPENDIX 2). Findings are presented below:

A search of the V-CRIS database revealed that forty-seven (47) architectural resources were mapped within 1.5 mile of the proposed project area, however none of these sites appeared to be listed as NHL properties.

A search of the V-CRIS database revealed that thirty (30) architectural resources were mapped within 1.0 mile of the proposed project area, however none of these sites appeared to be listed as NRHP-listed properties.

A search of the V-CRIS database did not reveal any Battlefields or Historic Landscapes mapped within 1.0 mile of the proposed project area.

A search of the V-CRIS database revealed that thirteen (17) architectural resources were mapped within 0.5 mile of the proposed project area, however none of these sites appeared to be listed as NRHP-eligible properties.

A search of the V-CRIS database revealed that eleven (15) archaeological resources were mapped within 0.5 mile of the proposed project area, however none of these sites appeared to be located within the Dominion Energy-owned property or ROW for the proposed undergrounding project.

Lists of architectural and archaeological database findings are presented in Table 1 and Table 2, respectively (attached).

4.0 VISUAL EFFECTS

As part of the Stage I Pre-Application Analysis, a visual assessment of any viewshed impacts to identified historical architectural sites is normally performed. However, since no NHL, NRHP-listed, NRHP-eligible, Battlefields or Historic Landscapes were identified within the recommended radial buffers for those properties, no visual assessment appeared to be necessary. In addition, because the existing structures will be removed to relocate the transmission lines underground, Dominion Energy Virginia expects no negative visual effects to the viewshed in the vicinity of the proposed project. However, in a good faith effort to meet the intent of VDHR's guidance for transmission line structures, Draper Aden Associates, on behalf of Dominion Energy Virginia, performed a pedestrian survey and photographs were taken of current conditions along the proposed project route.

No surface indications of archaeological sites were identified during the pedestrian survey of the proposed project area. However, because the area of new ROW has not been previously surveyed, archaeological investigation is recommended for those areas planned for ground disturbing activity within the proposed project area. Photographs of the proposed project area are included in APPENDIX 3.

5.0 CONCLUSIONS AND RECOMMENDATIONS

Based upon the field study and an assessment of information reviewed for the subject analysis, we determine the proposed project will have no impact to any National Historic Landmark (NHL) properties located within a 1.5-mile radius of the project; National Register of Historic Places (NRHP)-listed properties, Battlefields, and Historic Landscapes located within a 1.0-mile radius of the project; NRHP-eligible sites located within a 0.5-mile radius of the project; or archaeological sites located within the Dominion Energy-owned property and ROW.

The proposed project area was not subject to systematic survey as part of the Stage I analysis. However, a pedestrian survey was performed and photographs of current conditions at the proposed project area were taken. Vicinity properties and the proposed project area appear to be urban in nature. No surface indications of archaeological sites were identified during the pedestrian survey of the proposed project area. However, because the area of new ROW has not been previously surveyed, archaeological investigation is recommended for those areas planned for ground disturbing activity within the proposed project area.

5.0 REFERENCES

- VDHR. 2008. *Guidelines for Assessing Impacts of Proposed Electric Transmission Lines and Associated Facilities on Historic Resources in the Commonwealth of Virginia*. Prepared by Virginia Department of Historic Resources, Richmond, VA.

APPENDIX 1
PROJECT MAP

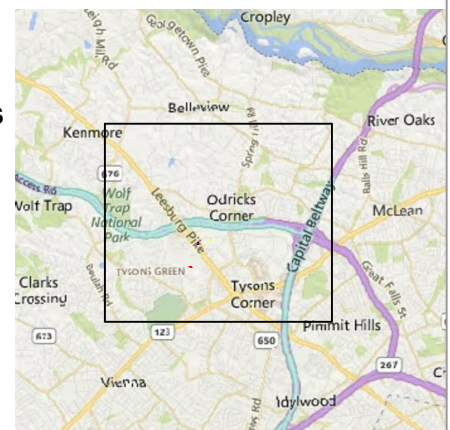


0' 700' (Main Map)
0 7000' (Vicinity Map)

**Partial Line #2010 230kV Single
Circuit Transmission Line
Underground Pilot Program (Tysons
- Future Spring Hill Substation)**

Notice Map

Fairfax County



DATE: 9/02/2020

APPENDIX 2

CULTURAL RESEARCH

VCRIS MAP
0.5 MILE RADIUS

Legend

- Architecture Resources
- Architecture Labels
- Individual Historic District Properties
- Archaeological Resources
- Archaeology Labels
- DHR Easements
- USGS GIS Place names
- County Boundaries



Feet



Title: Spring Hill-Tyson (0.5 Mile)

Date: 8/27/2020

DISCLAIMER: Records of the Virginia Department of Historic Resources (DHR) have been gathered over many years from a variety of sources and the representation depicted is a cumulative view of field observations over time and may not reflect current ground conditions. The map is for general information purposes and is not intended for engineering, legal or other site-specific uses. Map may contain errors and is provided "as-is". More information is available in the DHR Archives located at DHR's Richmond office.

Notice if AE sites: Locations of archaeological sites may be sensitive the National Historic Preservation Act (NHPA), and the Archaeological Resources Protection Act (ARPA) and Code of Virginia §2.2-3705.7 (10). Release of precise locations may threaten archaeological sites and historic resources.

VCRIS MAP
1.0 MILE RADIUS

Virginia Dept. of Historic Resources



Virginia Cultural Resource Information System

Legend

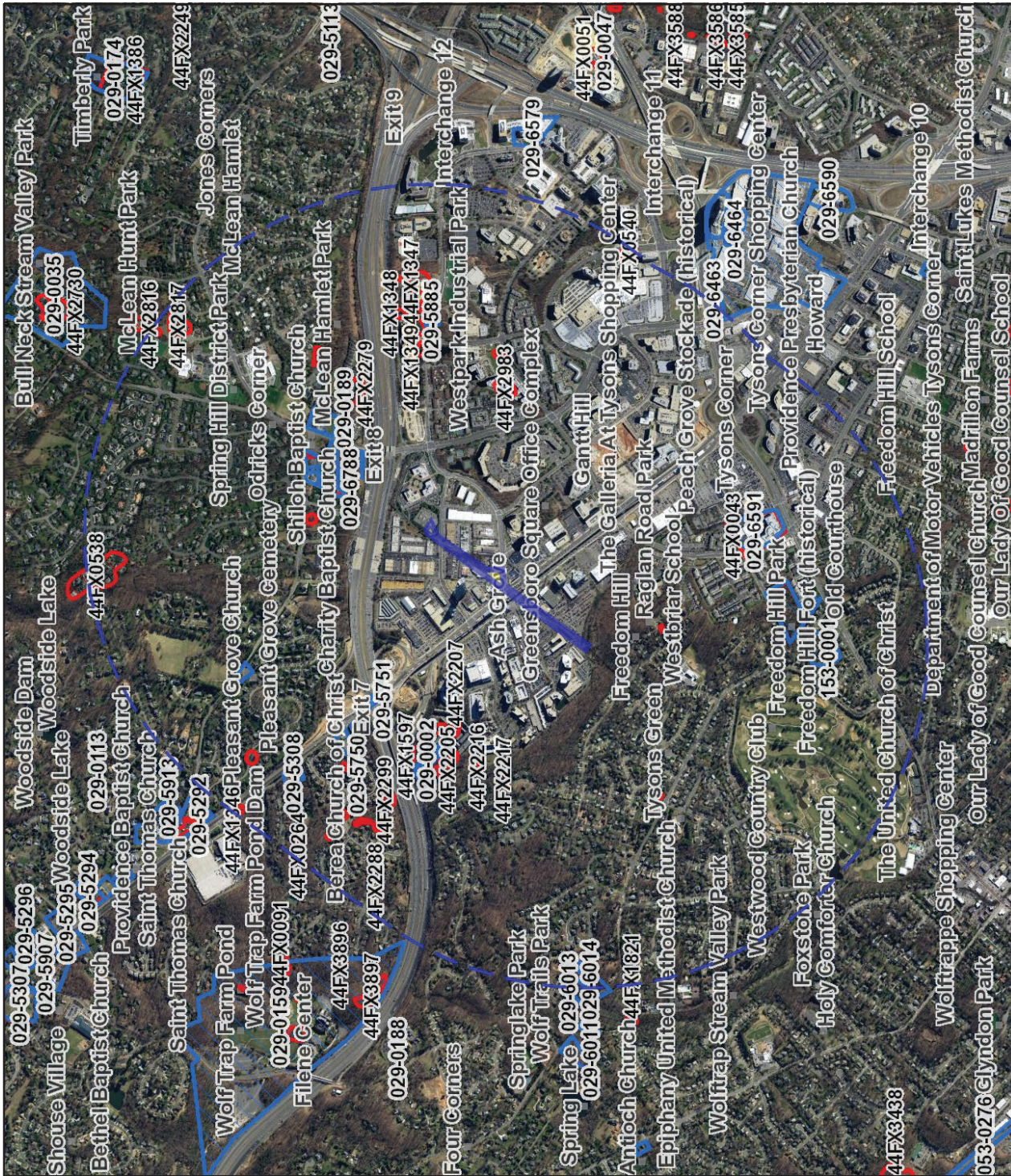
- Architecture Resources
- Architecture Labels
- Individual Historic District Properties
- Archaeological Resources
- Archaeology Labels
- DHR Easements
- USGS GIS Place names
- County Boundaries



Feet



1:36,112 / 1"=3,009 Feet



Title: Spring Hill-Tyson (1.0 Mile)

Date: 8/27/2020

DISCLAIMER: Records of the Virginia Department of Historic Resources (DHR) have been gathered over many years from a variety of sources and the representation depicted is a cumulative view of field observations over time and may not reflect current ground conditions. The map is for general information purposes and is not intended for engineering, legal or other site-specific uses. Map may contain errors and is provided "as-is". More information is available in the DHR Archives located at DHR's Richmond office.

Notice if AE sites: Locations of archaeological sites may be sensitive the National Historic Preservation Act (NHPA), and the Archaeological Resources Protection Act (ARPA) and Code of Virginia §2-2-3705.7 (10). Release of precise locations may threaten archaeological sites and historic resources.

VDHR DATABASE
ARCHITECTURAL TABLE

Table 1

Architectural Sites within a 1.5 mile buffer of the Proposed Tysons - Future Spring Hill Substation Project Area					
DHR ID	Other DHR IDs	Property Names	Property Addresses	Evaluation Status	Distance from Project Area
029-0002	null	Ash Grove (Historic/Current)	8881 Ash Grove House Lane, 8900 Ash Grove Lane	null	1.3 miles from northernmost point
029-0035	null	Spring Hill (Historic), Spring Hill Farm (NRHP Listing)	1121 Spring Hill Road - Alt Route 684	NRHP Listing, VLR Listing	
029-0047	null	Maplewood (Current), Villa Nouva (Historic)	7676 Old Springhouse Road	null	
029-0113	null	Hitchcock Toll House (Historic)	8820 Gallant Green Drive, 91116 Leesburg Pike	null	
029-0159	null	Farm, 1551 Trap Road (Function/Location), Wolf Trap Farm (Historic)	1551 Trap Road	null	
029-0181	44FX0043	Fairfax County Courthouse Site (Current)	2078 Chain Bridge Road	null	
029-0188	null	Plantation (Historic), Wolf Trap Farm (Historic)	Wolf Trap Farm	null	
029-0189	44FX1361	Shiloh Baptist Church (Historic)	1331 Spring Hill Road - Alt Route 684	null	
029-5284	null	Mutahar House (Current)	9026 Leesburg Pike	DHR Staff: Not Eligible	
029-5292	null	Borgus House (Current)	8934 Leesburg Pike	DHR Staff: Not Eligible	
029-5293	null	Valarezo House (Current)	9022 Leesburg Pike	DHR Staff: Not Eligible	
029-5294	null	Iglesia Descristo Ministerios Elim Inc. Property (Current)	9030 Leesburg Pike	DHR Staff: Not Eligible	
029-5308	null	Reed House (Current)	8857 Leesburg Pike	DHR Staff: Not Eligible	
029-5309	null	Ahbe House (Current)	8801 Leesburg Pike - Alt Route 7	DHR Staff: Not Eligible	
029-5456	null	House, 1331 Gordon Lane (Function/Location)	1331 Gordon Lane	null	
029-5457	null	House, 8342 Odrick's Lane (Function/Location)	8342 Odrick's Lane	null	
029-5458	null	House, 8340 Odrick's Lane (Function/Location)	8340 Odrick's Lane	null	
029-5459	null	House, 8641 Lewinsville Road (Function/Location)	8641 Lewinsville Road	null	
029-5460	null	House, 8337 Lewinsville Road (Function/Location)	8337 Lewinsville Road	null	
029-5461	44FX2944	House, 8333 Lewinsville Road (Function/Location)	8333 Lewinsville Road	null	
029-5520	null	House, 1345 Gordon Lane (Function/Location)	1345 Gordon Lane	null	
029-5521	null	House, 1341 Gordon Lane (Function/Location)	1341 Gordon Lane	null	
029-5522	null	House, 1340 Gordon Lane (Function/Location)	1340 Gordon Lane	null	
029-5624	44FX1196	Pleasant Grove Methodist Church & Cemetery (Historic/Current)	8641 Lewinsville Road, Route 694	null	
029-5750	null	Berea Church of Christ (Current Name)	8800 Jarrett Valley Drive	null	
029-5751	null	Bridge #1132, Route 7 EB, spanning Dulles Access Rd/Route 267 (Function/Location)	Leesburg Pike East	null	
029-5752	null	Bridge #1133, Route 7 WB, spanning Dulles Access Rd/Route 267 (Descriptive)	Leesburg Pike West - Alt Route 7	null	
029-5885	null	Footbridge 29-5023, spanning Jones Branch Drive (Function/Location)	Jones Branch Drive - Alt Route 5062	null	
029-5900	null	House, 8983 Brook Road (Function/Location)	8983 Brook Road	DHR Staff: Not Eligible	
029-5913	null	Church, 8991 Brook Road (Function/Location), Saint Thomas Episcopal Church (Current Name)	8991 Brook Road	DHR Staff: Not Eligible	
029-6008	null	Antioch Christian Church (Current Name), Church, 1860 Beulah Road (Function/Location)	1860 Beulah Road - Alt Route 675	null	
029-6011	null	House, 1740 Proffit Road (Function/Location)	1740 Proffit Road	null	
029-6012	null	House, 9201 Old Courthouse Road (Function/Location)	9201 Old Courthouse Road - Alt Route 677	null	
029-6013	null	House, 9144 Old Courthouse Road (Function/Location)	9144 Old Courthouse Road - Alt Route 677	null	
029-6014	null	House, 9134 Old Courthouse Road (Function/Location)	9134 Old Courthouse Road - Alt Route 677	null	
029-6463	null	Service Station, 1953 Chain Bridge Road (Function/Location)	1953 Chain Bridge Road	null	
029-6464	null	Commercial Mall, 1961 Chain Bridge Road (Function/Location), Tyson's Corner Mall (Current Name)	1961 Chain Bridge Road	null	
029-6465	null	Dentist Office, 1954 Old Gallowes Road (Function/Location)	1954 Old Gallowes Road	null	
029-6579	null	Office Building, 7926 Jones Branch Drive (Function/Location)	7926 Jones Branch Drive	DHR Staff: Not Eligible	
029-6590	null	Office Building, 8000 Towers Crescent Drive (Function/Location), Tycon Center (Current Name)	8000 Towers Crescent Drive	null	
029-6591	null	Office Building, 2070 Chain Bridge Road (Function/Location), Tycon Courthouse (Current Name)	2070 Chain Bridge Road	null	
029-6786	null	House, 1336 Spring Hill Road (Function/Location)	1336 Spring Hill Road	null	
029-6787	null	House, 1340 Spring Hill Road (Function/Location)	1340 Spring Hill Road	null	
029-6788	null	House, 1344 Spring Hill Road (Function/Location)	1344 Spring Hill Road	null	
029-6789	null	House, 1348 Spring Hill Road (Function/Location)	1348 Spring Hill Road	null	
153-0001	null	Freedom Hill Fort (Historic)	8531 Old Courthouse Road	null	
153-0003	null	Head's Hill Farm (Historic)	1114 Maple Avenue	null	
153-0001	null	Freedom Hill Fort (Historic)	8531 Old Courthouse Road	null	
153-0003	null	Head's Hill Farm (Historic)	1114 Maple Avenue	null	

VDHR DATABASE
ARCHAEOLOGICAL TABLE

Table 2

Archaeological Sites within a 0.5 mile buffer of the Proposed Tysons - Future Spring Hill Substation Project Area						
DHR ID	Other DHR IDs	Site Name	Site Categories	Site Types	Time Periods	Evaluation Status
44FX1197	null	null	Funerary	Cemetery	20th Century: 1st quarter (1900 - 1924)	null
44FX1350	null	null	null	null	Prehistoric/Unknown (15000 B.C. - 1606 A.D.)	null
44FX1597	029-0002	Ash Grove	Domestic, Funerary	Camp, Cemetery, Dwelling, single	Pre-Contact, Early National Period (1790 - 1829), Antebellum Period (1830 - 1860), Civil War (1861 - 1865), Reconstruction and	null
44FX2203	null	null	Domestic	Camp	Pre-Contact	null
44FX2204	null	null	Domestic	Camp	Pre-Contact	null
44FX2206	null	null	Domestic, DSS Legacy	Camp, Trash pit	Prehistoric/Unknown (15000 B.C. - 1606 A.D.), 18th Century: 2nd half (1750 - 1799), 19th Century: 1st half (1800 - 1849)	null
44FX2207	null	null	DSS Legacy	Camp	Prehistoric/Unknown (15000 B.C. - 1606 A.D.)	null
44FX2216	null	null	Domestic	Camp	Pre-Contact	null
44FX2217	null	null	Domestic	Camp	Pre-Contact	null
44FX2279	null	null	Domestic	Camp, temporary, Dwelling, single	Prehistoric/Unknown (15000 B.C. - 1606 A.D.), 19th Century: 4th quarter (1875 - 1899)	null
44FX2470	null	Alfred Odrick Farmstead	Domestic	Farmstead	19th Century: 4th quarter (1875 - 1899), 20th Century: 2nd quarter (1925 - 1949)	null
44FX2944	null	Odrick's Corner site	DSS Legacy	Trash scatter	19th Century: 4th quarter (1875 - 1899), 20th Century: 1st half (1900 - 1949)	null
44FX2983	null	West Group / Tysons 1	DSS Legacy	Lithic quarry	Prehistoric/Unknown (15000 B.C. - 1606 A.D.)	null
44FX3174	null	null	DSS Legacy	Trash scatter	20th Century: 1st half (1900 - 1949), 20th Century: 3rd quarter (1950 - 1974)	null
44FX3598	null	null	Domestic	Dwelling, single	20th Century: 1st half (1900 - 1949)	null

APPENDIX 3

PHOTOGRAPHS



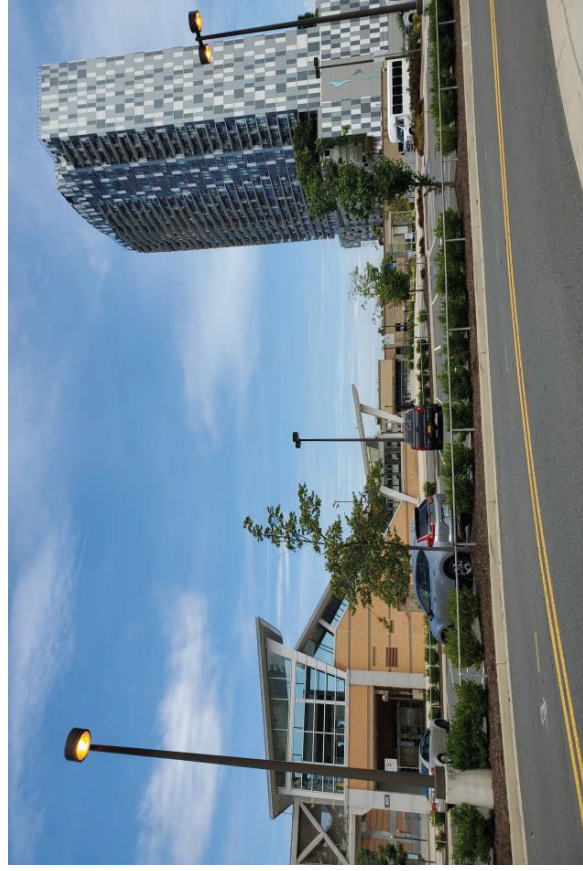
P1 – View north of gated southwest entrance to Tysons Substation.



P2 - View north of existing transmission lines and Tysons Substation.



P3 - View south along heavily vegetated transmission line, just south of Tyco Road.



P4 – View northwest of adjacent Metro Station and urban area.



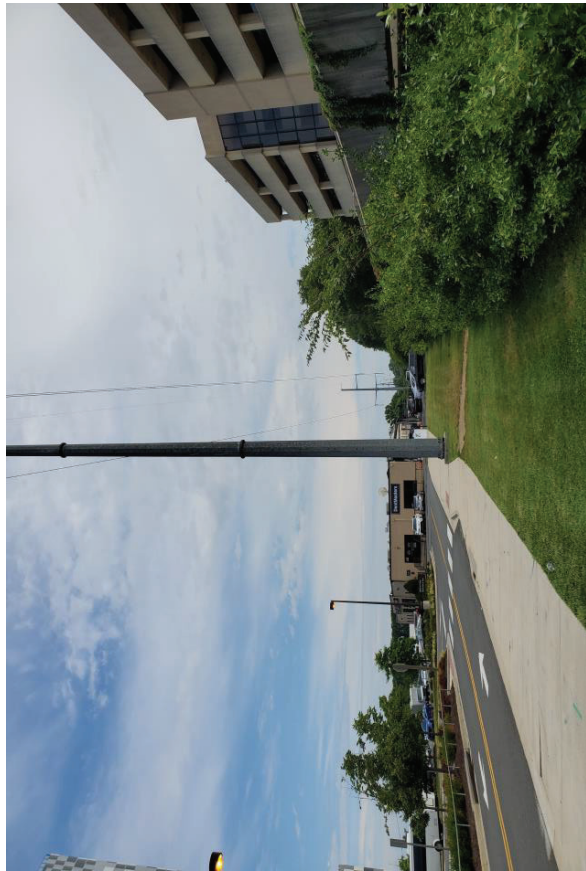
P5 – View north of existing transmission lines north of Fire Station area.



P6 – View southeast of adjacent Fire Station along proposed new right-of-way section.



P7 - View north of existing transmission line, just south of Route 7 overpass.



P8 – View north of existing transmission lines north of Spring Hill Road.



P9 – View north of “Vesper Trail”, urban surroundings and existing right-of-way, just south of Route 7.



P10 – View north of existing aboveground transmission lines near the proposed Spring Hill Substation.



P11 - View south of “Vesper Trail” and homeless encampment, near proposed Spring Hill Substation.



P12 – View north of adjacent property west of proposed Spring Hill Substation location.

Attachment 2.N
TRANSPORTATION INFRASTRUCTURE

From: [Ghanta, Venkata](#)
To: [Charles H Weil \(Services - 6\)](#)
Cc: [Bushnaq, Tariq](#); com-inbound-252105--spring-hill-substation-to-tysons-substatio@procoretech.com
Subject: [EXTERNAL] 252105 - Spring Hill Substation to Tysons Substation Line 2010 Underground Relocation Project
Date: Friday, August 28, 2020 2:26:32 PM
Attachments: [image001.png](#)
[let_agency_coordination_20200730-WMATA.pdf](#)
[V.A - Notice Map - Tysons - Future Spring Hill.pdf](#)

Chuck,

I have tried to reach you yesterday afternoon. Per my Voicemail, Tariq Bushnaq, Project Manager, Joint Development and Adjacent Construction and myself are assigned to this Spring Hill Substation to Tysons Substation Underground Transmission Line, Tysons Corner, Fairfax County, VA project. WMATA project control number (PCN) for this project is 252105. Moving forward, please send all the project correspondence (include the PCN 252105 on the subject line) to me and copy Tariq, who is copied on this e-mail at all times.

You may know already the general requirements for the proposed work to be conducted in the vicinity of WMATA facilities. However, for more information, please see WMATA Adjacent Construction Project Manual (ACPM) for guidance on applicable general procedures, document request form, coordination, submittal process, design and construction requirements, real estate and insurance requirements, WMATA contractor identification cards, roadway workers protection (RWP) training and Site Specific work plan (SSWP) etc. for construction projects adjacent to, beneath, on, or over existing WMATA property, facilities, and/or operating Rights of Way.

All work within 50' of WMATA facilities and/or within the zone of influence of WMATA facilities shall be in conformance with WMATA ACPM. For your information and use, please see the link below for the **JDAC web page** & WMATA Adjacent Construction Project Manual.

<https://www.wmata.com/business/adjacent-construction/index.cfm>

Apply for a WMATA Right-of-Entry permit in order to enter WMATA property, easements or interests for work/Site development activities such as but not limited to the proposed directional boring work and associated improvements etc. Please see the following URL for permit application.

<https://www.wmata.com/business/real-estate/policies-forms.cfm>

In addition to the WMATA's real estate permit application, please provide a detailed scope of work, means and methods of construction, construction plans (which include but not limited to the plan, profile and cross sections, utilities - horizontal and vertical, test pit locations etc.as applicable), sequencing, MOT, project schedule, VDOT and Fairfax County's approvals. Show the proposed Underground Bore locations in relation to the WMATA facilities where applicable.

Also, please provide the contact information of the Owner Developer Contractor (ODC) individual that will be responsible for signing the WMATA letter of agreement for the project which will send for execution once this information is provided.

Thanks,
Venkata
202-527-4287

From: Charles H Weil [mailto:Charles.H.Weil@dominionenergy.com]
Sent: Thursday, August 6, 2020 11:46 AM
To: Li, Benli <bli@wmata.com>
Cc: Inquiries, JDAC <JDACInquiries@wmata.com>; Jachles, Cynthia <CJachles@wmata.com>
Subject: <External>Spring Hill Substation to Tysons Substation Line 2010 Underground Relocation Project

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and have verified the authenticity of the message.

Dear Mr. Li,

Please see the attached letter and project map notifying you of the proposed transmission line underground relocation project located in Fairfax County, Virginia. This is an SCC required notification as part of our CPCN application process. Future coordination with WMATA will be conducted once the project is finalized.

Please contact me with any questions or for additional information.

Thank you,

Chuck Weil, PE

Engineer II
Siting & Permitting, Electric Transmission
10900 Nuckols Rd, 4th Floor, Glen Allen, VA 23060
O: 804-771-4458 M: 804-239-6450



CONFIDENTIALITY NOTICE: This electronic message contains information which may be legally confidential and or privileged and does not in any case represent a firm ENERGY COMMODITY bid or offer relating thereto which binds the sender without an additional express written confirmation to that effect. The information is intended solely for the individual or entity named above and access by anyone else is unauthorized. If you are not the intended recipient, any disclosure, copying, distribution, or use of the contents of this information is prohibited and may be unlawful. If you have received this electronic transmission in error, please reply immediately to the sender that you have

received the message in error, and delete it. Thank you.

From: [Scott Denny](#)
To: [Charles H Weil \(Services - 6\)](#)
Subject: [EXTERNAL] Re: #2010 230kV Single Circuit Transmission Line Underground Pilot Program - Updated Project Map
Date: Thursday, September 3, 2020 2:06:39 PM
Attachments: [image001.png](#)

Mr. Weil:

Following our review of the revised transmission line layout of the Tysons -Future Spring Hill Substation, the Virginia Department of Aviation has determined that the proposed site is not located 20,000 linear feet from a public-use airport. Therefore, a 7460 form will only need to be submitted to the FAA for evaluation if any structure, be it temporary or permanent, reaches a height of 200' above ground level or greater. Please note that this threshold includes any cranes that may be used in the course of construction. Please feel free to contact me if you have any questions regarding this matter.

Sincerely,

S. Scott Denny
Senior Aviation Planner
Virginia Department of Aviation

On Wed, Sep 2, 2020 at 4:41 PM Charles.H.Weil@dominionenergy.com
<Charles.H.Weil@dominionenergy.com> wrote:

Good afternoon Mr. Denny,

I wrote to you on July 31 regarding our Underground 230kV relocation project in Fairfax County (Spring Hill Substation to Tysons Substation). We updated our project map to include a new pole (2010/12) and transition pole just south of our Spring Hill Substation that I wanted to make you aware of. Please see the attached map. If you have any questions or concerns, please let me know.

Thank you,

Chuck Weil, PE

Engineer II

Siting & Permitting, Electric Transmission

10900 Nuckols Rd, 4th Floor, Glen Allen, VA 23060

O: 804-771-4458 M: 804-239-6450



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--

S. Scott Denny
Senior Aviation Planner
Virginia Department of Aviation
804-236-3638
scott.denny@doav.virginia.gov

From: [Tengowski, Joan M-CTR \(FAA\)](#)
To: [Charles H Weil \(Services - 6\)](#)
Subject: [EXTERNAL] RE: Line 2010 Underground Relocation Project
Date: Monday, September 21, 2020 8:46:44 AM
Attachments: [image002.png](#)
[image003.png](#)

This is an EXTERNAL email that was NOT sent from Dominion Energy. Are you expecting this message? Are you expecting a link or attachment? DO NOT click links or open attachments until you verify them

Chuck,

Please upload these documents as "Project Documents" when you e-file for the actual construction. Until there is an OE case, we have no ability to retain files/documents.

Thanks,

Joan Tengowski
AJV-A520
Obstruction Evaluation Technician
for **MA, MD, VA, WV**
817-222-4775
Mon, Wed, Thurs 0630 – 1500 CDST
Joan.M-CTR.Tengowski@faa.gov

"Raise your words, not voice. It is the Rain that grows flowers, not thunder." Rumi



From: Charles.H.Weil@dominionenergy.com <Charles.H.Weil@dominionenergy.com>
Sent: Monday, September 21, 2020 7:40 AM
To: Tengowski, Joan M-CTR (FAA) <Joan.M-CTR.Tengowski@faa.gov>
Subject: Line 2010 Underground Relocation Project

Good morning Ms. Tengowski,

I sent this preliminary project notification to Doug Felix on July 31st but just recently discovered he no longer works there. This notification is not a formal FAA filing but just a requirement for our Virginia SCC application. Please see the attached letter. We will be filing a formal construction notification during the actual design stage of the project. I've included that original email and also an updated map showing the addition of a new structure (2010/12) and a transition pole.

If you have any questions, please feel free to contact me.

Thank you,

Chuck Weil, PE

Engineer II

Siting & Permitting, Electric Transmission

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M: 804-239-6450



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