

Idylwood Substation Rearrangement Project

Case No. PUR-2017-00002

Quarterly Update Report

June 15, 2026

Background

On September 8, 2021, the Virginia State Corporation Commission (“SCC”) issued an Order on Motion authorizing Virginia Electric and Power Company d/b/a/ Dominion Energy Virginia (“the Company”) to extend the project construction to the new December 31, 2026 in-service date for the Idylwood Substation Rearrangement Project (“Rebuild Project” or “Project”).¹

The Company, in part, requested the in-service date extension because:

The unanticipated delay in obtaining the necessary local approvals has disrupted the Company’s prior scheduling, sequencing, and planning for the construction of the Rebuild Project requiring the Company to release any prior outage requests it had made to support the prior schedule. In addition, the ability to obtain and coordinate both distribution- and transmission-side outages in northern Virginia, generally, and in the area of the Project, specifically, has become increasingly difficult due to customer and system loading. For example, because obtaining outages in the peak loading seasons of winter and summer generally is not possible, it essentially is mandatory that the work must be performed during the fall and spring. Moreover, the limited fall and spring outage windows must accommodate increased outage needs in the Northern Virginia area for ongoing projects and system needs. The Company also must coordinate its outages to ensure reliability contingencies in the area and must coordinate outages with certain customers, such as the Washington Metropolitan Area Transit Authority. Outages must be submitted months in advance. Adding to those scheduling difficulties, as part of compliance with its local approvals, construction is limited to certain times and must be performed in a manner that reduces noise to ensure the Company minimizes impacts to the nearby community. Recent work on another GIS project at a different substation has further informed the Company’s view on the added complexity of the installation of new GIS systems. Finally, compounding these variables, to the greatest extent possible, the Company must keep the Idylwood Substation energized during project construction to meet the growing load needs of the surrounding areas. These current circumstances have led to more complex, on-the-ground logistics and construction sequencing than initially anticipated for this Project during the proceeding before the Commission.²

¹ *Application of Virginia Electric and Power Company For approval and certification of electric transmission facilities under Va. Code § 56-46.1 and the Utility Facilities Act, Va. Code § 56-265.1 et seq.*, PUR-2017-00002, Order on Motion at 4 (Sept. 8, 2021).

² *Application of Virginia Electric and Power Company For approval and certification of electric transmission facilities: Idylwood Substation Rebuild and Rearrangement of 230 kV Transmission Lines #202, #207, #251, #266, #2035, and #2097*, PUR-2017-00002, Motion of Virginia Electric and Power Company for Relief from May 31, 2020 In-Service Date at 4-5 (Apr. 27, 2020).

As required by the Order on Motion, the Company shall:

- Submit quarterly construction status updates regarding the Rebuild Project to the Director of the Commission's Division of Public Utility Regulation until the Rebuild Project is completed or until further order of the Commission.
- Post each quarterly construction status update on the Company's website: www.DominionEnergy.com/shreve.
- Post its Construction Timeline on the website and update the Construction Timeline, as needed, to maintain accuracy.

Project Overview

The Idylwood Substation Rebuild Project rebuilds the existing Idylwood Substation on Shreve Road, originally built in the late 1950s, to support growing capacity and projected reliability concerns in the region. These enhancements will allow Dominion Energy to continue providing safe and reliable electric service to the community.

Due to the limited space at the site, Dominion Energy is investing in Gas Insulated Substation ("GIS") technology. The existing substation currently uses Air-Insulated Technology. By utilizing GIS technology, Dominion Energy will be able to largely utilize the substation's existing footprint while modernizing the facility to meet area demand and minimizing impact to surrounding neighbors. GIS is the best available technology and offers several benefits:

- GIS equipment takes up less space, allowing Dominion Energy to accommodate growth in the area, while operating within the existing property;
- GIS is more reliable than traditional air-insulated substations, meaning fewer outages for customers; and
- GIS requires less maintenance than traditional substations.

Idylwood Substation is a necessary and important component of the electrical system and is critical in maintaining reliability for the area. As such, it is necessary that most of the substation equipment remain energized while crews perform their work. This increases the complexity of the Project and has also impacted our timeline. To perform operations safely, crews must work in a limited space and temporarily relocate some of the equipment to install new equipment. Additionally, we must limit the number of crews working inside the substation at the same time.

Status Update

Each quarter, the Company will provide a construction update on the following information:

- Permitting
- Achievements
- Challenges
- Upcoming Construction
- Public Outreach and Communications

- Budget
- Noteworthy Changes

Permitting

The Company initiated the process to request an access permit to reach Structure 2035/4 in support of the planned outage on Line #2035 scheduled for Spring 2027 (originally expected to occur in August 2026 through October 2026).

Achievements

Since the March 2026 Quarterly Update, the Company has accomplished the following milestone for the Project, including:

- The Company and HICO have completed all possible work it can outside the substation building.
- HICO completed construction of the foundation and support structure for the Line #2175 Gas Insulated Bus (“GIB”) bushings.
- The Company’s transmission relay settings have been finalized following receipt of the necessary technical information from HICO regarding the 230 kV GIS equipment. HICO provided this information at the end of March 2026, following a delay from the original January 2026 target date. [Wiley confirm completion date] The delay resulted from the reassignment of the HICO crew to support another project for approximately one month.
- Work on the external 230 kV GIB has been completed to the extent required for this phase of the project. HICO installed the 2175 terminal foundations in March 2026 [Wiley confirm completion date], following a delay from the original January 2026 completion target. The delay was caused by weather-related site access restrictions and delayed concrete deliveries. The remaining work associated with the 2175 GIB terminal is scheduled for completion in Spring 2027 in conjunction with the Company's installation of the underground cable.

Key Challenges

- High-potential testing of the HICO 230 kV GIS equipment has been further delayed until February 2027. The testing was originally expected to occur in January 2026 and was subsequently deferred to March 2026 due to the unavailability of the required test set. The additional delay is intended to allow the Company to complete wiring of the local control cabinets, operational checks, and other related work before HICO performs its operational testing. This delay is not expected to impact the overall Project schedule.
- Issues related to the stability of the access platforms within the 230 kV GIS have been identified. Access platforms are used by the Company and HICO to access and operate various portions of the equipment. HICO has engaged an external engineering firm to evaluate and address these issues. The Company currently anticipates this work will be completed by Fall 2027. The issues are not expected to impact the overall Project schedule.

These challenges have further affected the planned start date for the transmission outages at the Idylwood Substation. The transmission outages are now scheduled to begin in Spring 2027. This reflects a further delay from the previously anticipated March 27, 2026 start date. The scheduling changes were driven by system reliability considerations, as the Company could not perform the outages during the summer peak period without adversely impacting load flows in Northern Virginia.

Upcoming Construction

1. The 230 kV GIB to the 2175 terminal is expected to be complete by the end of March 2028 due to the delay in outages. [Wiley, please confirm date and cause of delay]
2. HICO is working to resolve the previously mentioned issues with the access platforms, along with, completing camera installation, and testing by June 2026 (originally expected to be complete by January 2026 and subsequently delayed to April 2026).
3. The Company will continue to wire the [local control cabinet?] equipment in the 230 kV GIS building. This work is expected to continue through February 2027 (originally expected to be complete by March 2026). This delay results from [Wiley, why is the wiring delayed? Is it related to the access platforms, outages, or something else?]
4. The 230 kV GIB bushing for Transformers #1, #2 and #3 installation is mostly complete and are expected to be complete when the outages occur on the associated equipment in September 2026 through November of 2026 [Wiley to update timing due to delay in outages].

Public Outreach and Communications

As indicated in the Company's March 2026 Quarterly Update, on February 17, 2026, Company representatives, including the Project Manager, Transmission Forestry System Arborist, and Electric Transmission Communications, met with the President and Vice President of the Holly Crest Community Association and two representatives from Dewberry to discuss the entrance sign and landscape design. Dewberry is preparing a design for the entrance sign and has provided a cost estimate for the materials, sign, and landscaping around the entrance. The preliminary estimate is \$73,000, which exceeds the Company's anticipated budget of \$35,000.

The Company attended a follow-up meeting with the President and Vice President of the Holly Crest Community Association to discuss the cost estimate and available budget [Wiley, please confirm you attended a meeting with the President and VP. Was it during that meeting you agreed to the \$80k budget?]. At that time, the Company has agreed to a budget of \$80,000 for the entrance sign and landscaping for the Holly Crest Community. The Company has since reviewed preliminary designs for the entrance sign and landscaping, and will coordinate an additional meeting with the President [Wiley, and the Vice President or only the President?] of the Holly Crest Community Association to discuss the preliminary designs created by Dewberry. The Company anticipates executing the design plans this fall.

There is no other recent public outreach or communication to report.

Budget

As presented in the June 2024 Quarterly Update, the budget for the Project increased from \$159 million to \$220 million. As presented in the September 2025 Quarterly Update, the budget for the Project has increased from \$220 million to \$230 million.

The Company has spent \$191.1 million of \$230 million. [Wiley to provide update on budget]

Noteworthy Changes

Given the delays discussed above, the Company plans to file a motion for extension of the in-service date on or before September 30, 2026.