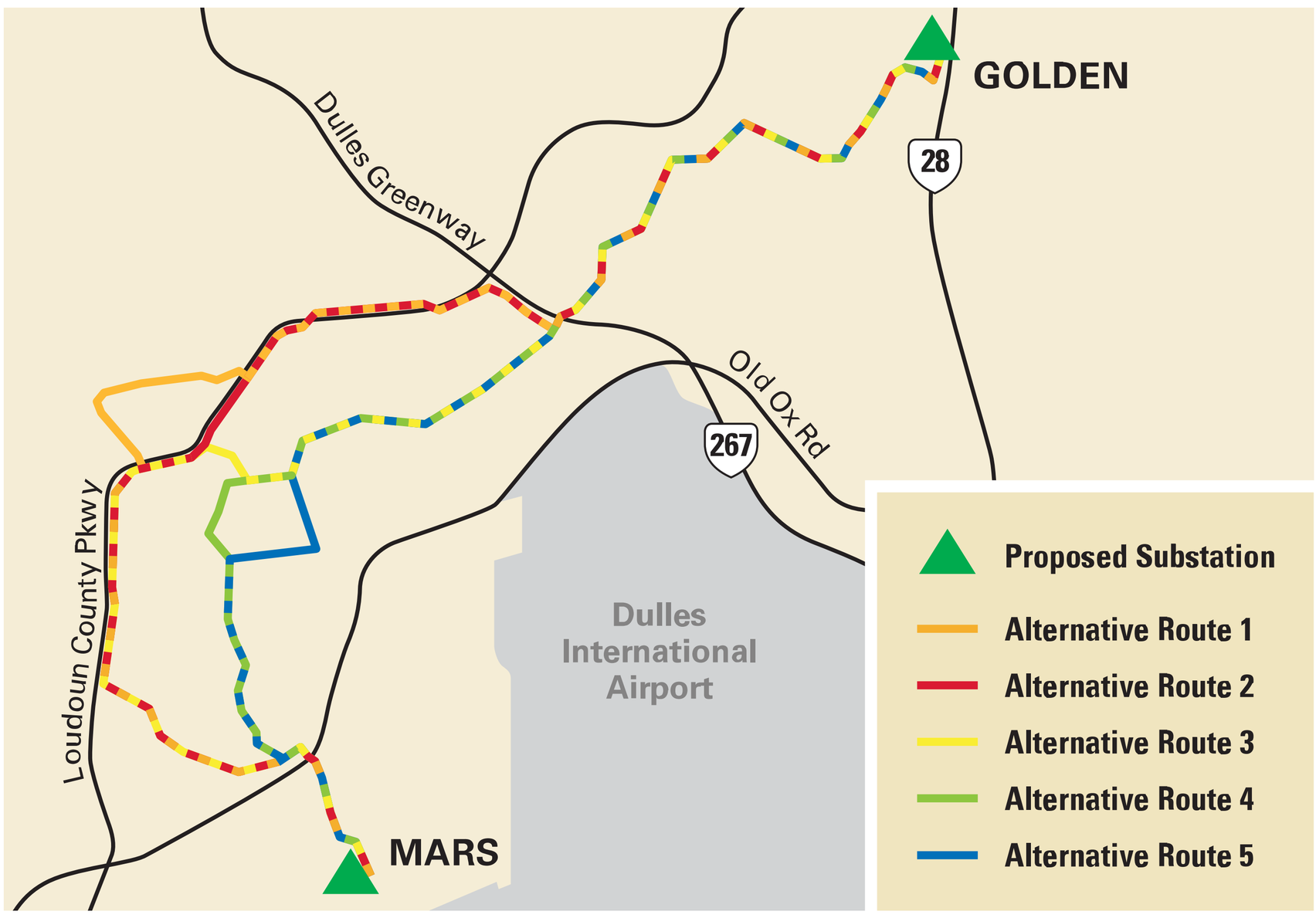
Project Overview

Dominion Energy

Golden to Mars 500-230 kV Electric Transmission Line Project

Dominion Energy is proposing the Golden to Mars 500-230 kV Electric Transmission Project to connect the Golden and Mars Substations in the Ashburn area, where the demand for energy is greatest. This project is the final in a series of three reliability projects that Dominion Energy has developed to bring bulk electricity into the area known as Data Center Alley. These reliability projects aim to address Loudoun County's growing energy needs.



This map is intended to serve as a representation of the project area and is not intended for detailed engineering purposes.

Rapid growth in electrical demand in the high-tech sector, which includes data centers in eastern Loudoun County, has resulted in the need for new transmission infrastructure. Dominion Energy is dedicated to providing safe, reliable, affordable, and increasingly clean energy. These investments will provide reliable power for data centers while enhancing the local electric grid and improving reliability for all our customers.

Keep up with the latest project information on our website:
DominionEnergy.com/NOVA

Underground Routing

Dominion Energy

Golden to Mars Underground

Dominion Energy studied the feasibility of undergrounding a portion of the Golden-Mars 500-230 kV Electric Transmission Line Project by identifying potential underground routes that avoid constraints around Dulles Airport and adjacent neighborhoods.

Dominion Energy was *unable* to identify a feasible underground route for the Golden-Mars Project for the following reasons:	
Existing Rights-of-Way	• Underground construction is most practicable when a utility company already owns the right-of-way for the project. • Dominion Energy has no existing rights-of-way that can accommodate an underground route.
Transition Station Siting	• Two transition stations are needed to convert the Golden-Mars transmission lines from overhead to underground configuration. • These stations require 7 to 9 acres of land and must be sited at suitable, permittable locations. • No sites of appropriate size and location are available.
Existing Utilities and Easements	• Dominion Energy field surveys identified dozens of conflicts with existing easements and buried utility lines including water, sewer, gas, and fiber.
Public Lands	• All underground routes require crossings of land owned by public entities, including - Loudoun County Public Schools, VDOT, MWAA, and Loudoun County. • Dominion Energy discussed underground routing with these entities. In all cases, obtaining the necessary right-of-way was not possible.
Geology	• Hard, shallow bedrock is prevalent throughout the Project area. • Construction of underground routes requires drilling or blasting through bedrock. This adds significant noise and construction time, which could prevent Dominion Energy from meeting the Project's in-service deadline.

The feasibility study concluded that underground routes were either unbuildable or unable to be permitted and constructed in time for the June 2028 in-service date.

Without a viable underground option, Dominion Energy *will not* include an underground route alternative in the State Corporation Commission (SCC) application for the Golden-Mars Project.

Construction

We are mindful of our surroundings during construction

- We use existing roads for right-of-way ingress/egress. If additional access roads are needed, we talk with property owners and take steps to minimize the impacts to natural resources.
- Temporary wooden construction mats are used in wetlands and other environmentally sensitive areas.

Pre-Construction

- Soil borings
- Right-of-way Clearing
- Access Road Development

Construction

- Site preparation
- Material handling and staging
- Foundation installation
- Erecting structures and stringing conductor

Post Construction

- Removing the original structures along the rebuilt line segment
- Right-of-way restoration







With every project, we are committed to working safely and courteously in your neighborhood!

Construction Access



Matted support systems provide access through wetlands, swamps and other sensitive areas.



Timber supports beneath the mats help to minimize disturbance to the ground or surface below.



Timber supports are installed perpendicular to the access surface to distribute weight evenly during usage.

Right of Way

Safety is our priority

Dominion Energy's electric transmission lines run through urban and rural areas. We require the entire width of the right-of-way to be clear of structures and certain types of vegetation, including all trees, for safe access.

Permanent easement rights

Easements are signed by property owners and recorded on the title of the affected real estate. These agreements allow Dominion Energy to use a property owner's land to construct, operate and maintain electric power facilities.





Trees outside the right of way can pose a danger to power lines

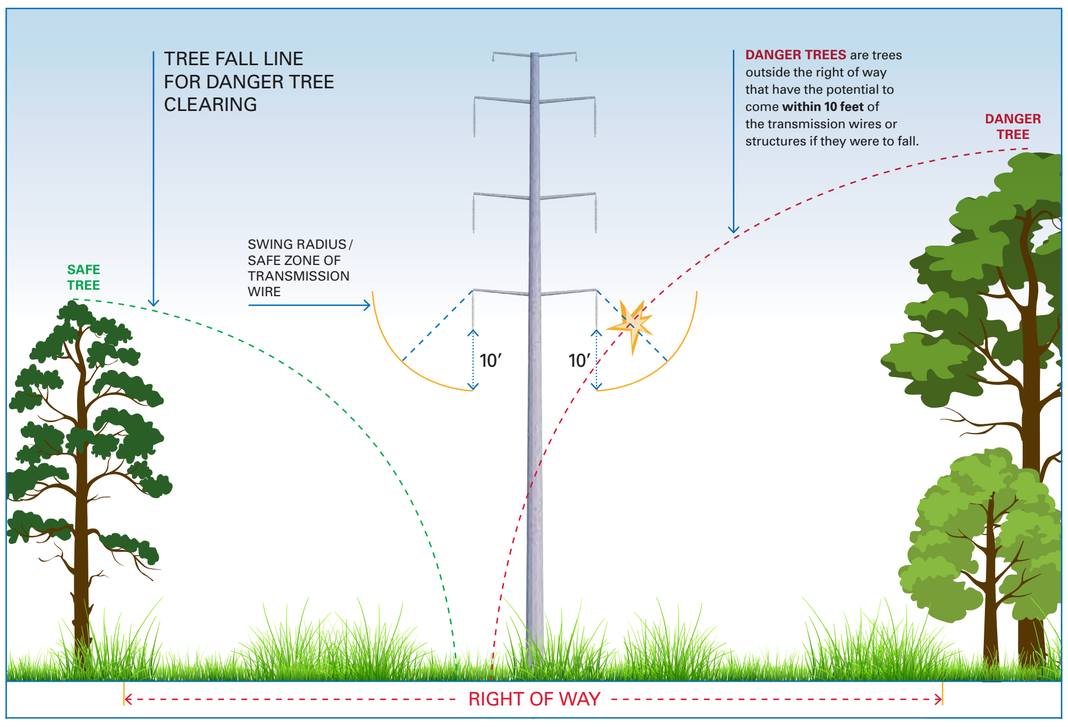
Trees are the leading cause of power outages. To protect against tree-caused power outages, we have the right to trim and/or cut any trees located outside of the right-of-way that are tall enough to potentially impact the transmission line.

Efficient, safe access to the right-of-way is critical to maintain reliability

Our easement rights allow us to use private roads and/or travel across private lands near or adjacent to rights-of-way. Dominion Energy employees or contractors will meet and coordinate with property owners regarding the location of convenient access points when they are needed.

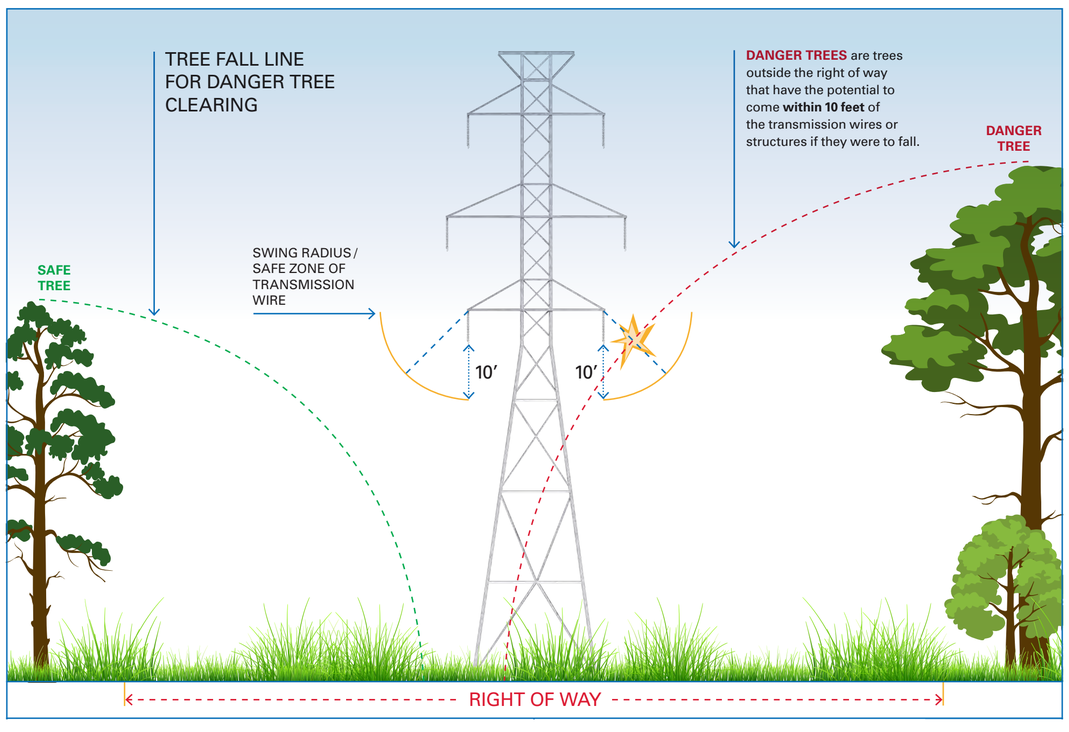
Danger Tree Guidelines

Danger trees are the leading cause of power outages. To protect against tree-caused power outages, Dominion Energy has the right to trim and/or cut any trees located outside of the right of way that are tall enough to potentially impact the transmission line.



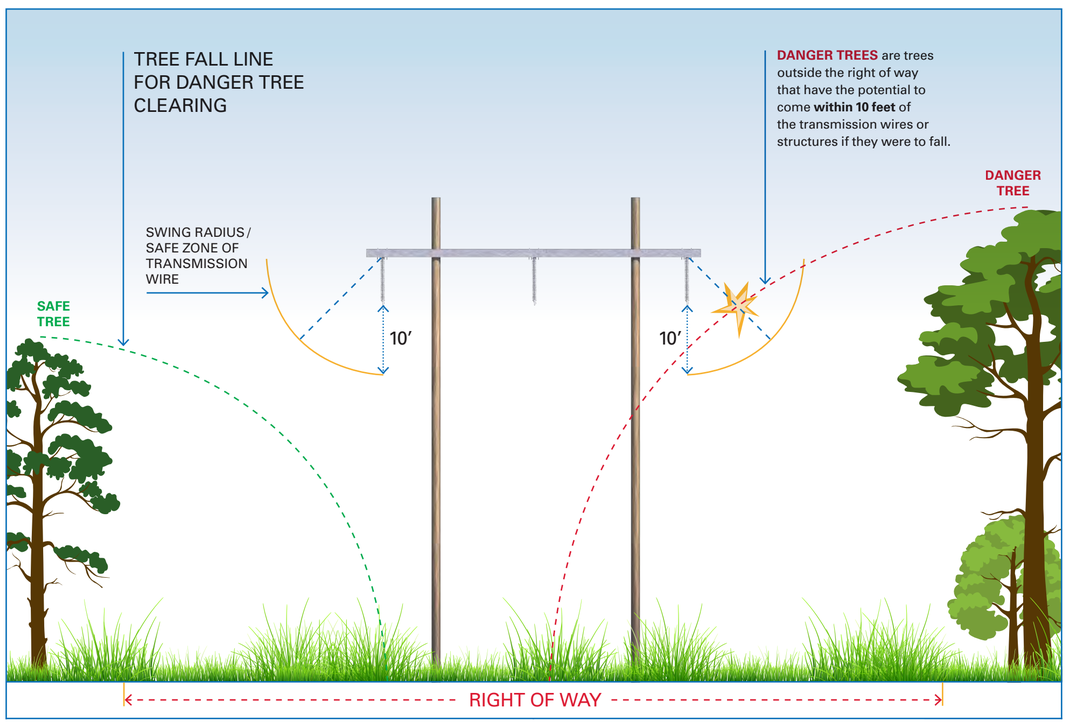
Danger Tree Cutting Guidelines

Monopole Structure



Danger Tree Cutting Guidelines

Lattice Structure



Danger Tree Cutting Guidelines

H-Frame Structure

Environmental Protection

Partnering with state and local agencies to complete evaluations and mitigate impacts

- Dominion Energy operates its electric transmission lines in accordance with standards and specifications for erosion/ sediment control and storm water management approved by the Virginia Department of Environmental Quality (DEQ).
- Crews receive copies of the specifications and any additional permit conditions prior to construction. All requirements must be met.
- Once construction is completed, Dominion Energy crews begin restoring the area.



Clearing activities

- Clearing is completed by hand in wetland areas and within 100 feet of streams.
- Care is taken not to leave debris in streams and wetland areas.
- Erosion control devices are used on an ongoing basis during all clearing activities.



Matting activities

- Matting is used for heavy equipment in wetlands and other environmentally sensitive areas.

Our Values

Excellence

We set high performance standards and are committed to continuous improvement in all areas of our business.

Our company is driven by five core values that we live by every day. They define who we are and reflect our commitment to excellence. These values are crucial in maintaining the trust of our investors, stakeholders, and customers.



Ethics

Integrity, individual responsibility and accountability go hand-in-hand to achieve our goals and fulfill our obligations to stakeholders.



Safety

Our highest priority is keeping our employees and communities safe.



Embrace Change

Changing the waywe think about the today and tomorrow of our business.

One Dominion Energy

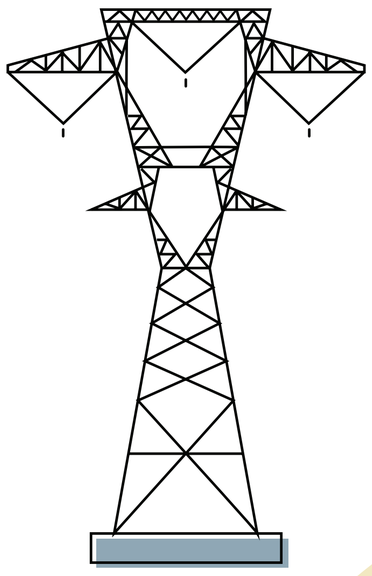
It’s about teamwork. Innovative culture drives approach to clean energy and workforce opportunities.



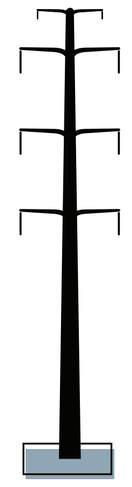
See our values in action at DominionEnergy.com/ourpromise

Electric Transmission Line Planning and Public Engagement Process

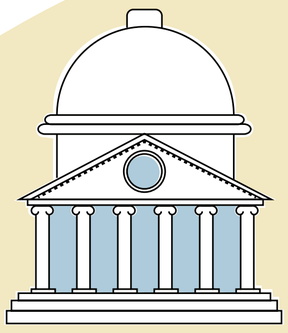
Dominion Energy®



Identify project need, begin conceptual project planning and design, and initiate public outreach and engagement



LISTEN



Local, county and state officials

Meet with elected officials, county leadership, planning staff, etc.

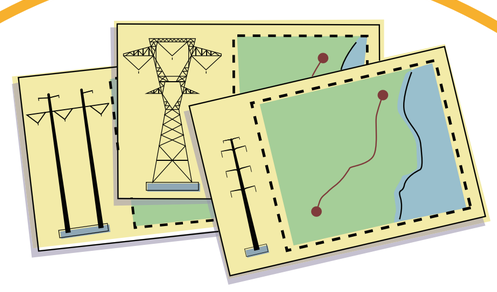


LEARN



Community members

Outreach efforts include, but not limited to, mail notifications to property owners, newspaper advertisements, open house meetings, public input meetings, focus groups, social media posts



Dominion Energy consults with key stakeholders throughout the planning process to gather and incorporate feedback into design plans



State and federal agencies

Request input on routing considerations and Department of Environmental Quality (DEQ) Supplement





IMPROVE



Historic preservation and natural resource groups and Native American Tribes

Request and consider input to minimize impacts to identified sites and resources



SHARE

Finalize project design with available routes and options, share design options with stakeholders and begin required permitting process

Renewable Energy

Leveraging clean, renewable resources

The development of renewable energy is a priority for Dominion Energy. Dominion Energy's current renewable energy portfolio includes more than 3,100 megawatts of clean energy in ten states. Our combined resources can supply power to more than 775,000 typical households at peak output when fully operational.

Solar Projects in Virginia

Dominion Energy is continuing to support solar development in Virginia. Projects include the Solar + Storage Project to install solar panels and storage on grounds at Dulles International Airport, capable of producing 100 megawatts.



Coastal Virginia Offshore Wind

The Coastal Virginia Offshore Wind Project (CVOW), anchored in the Hampton Roads region, is the first utility-owned offshore wind farm in the U.S. Upon completion in 2026, CVOW will generate enough energy to power 660,000 homes and create 1,100 jobs. The two wind turbines currently in operation are the first installed in U.S. federal waters and offset up to 25,000 tons of carbon dioxide emissions annually.

