

Dominion Energy Grant Funded Opportunity – Technical Specifications & Evaluation Criteria Template

Opportunity Name:

Dynamic Line Rating (DLR) System Deployment and Support

Summary:

Dominion Energy is seeking qualified suppliers to provide a Dynamic Line Rating (DLR) solution, including field-deployed sensors, system integration, and ongoing operational support to enhance transmission system performance. This project includes deployment within Northern Virginia and compliance with all applicable federal funding requirements, including Davis-Bacon Act where applicable.

Location:

Northern Virginia (including Loudoun County and surrounding areas).

Deadline:

Interested parties must communicate their intent to participate by June 16, 2026.

Description/Technical Specs:

Dominion Energy is seeking a qualified vendor to deploy and support a Dynamic Line Rating (DLR) solution for use on overhead transmission lines. The solution shall provide real-time and forecasted transmission line ratings to support operational decision-making and improve system utilization.

The proposed solution must meet the following minimum requirements:

- Provide Dynamic Line Ratings suitable for operational use on Dominion Energy transmission lines
- Include field-deployed equipment capable of collecting data necessary to support DLR calculations
- Support safe installation and operation consistent with utility and OSHA safety standards
- Integrate with Dominion Energy operational systems, including Energy Management System (EMS), Facility Ratings Database (FRD), and associated data models
- Provide secure, automated delivery of rating data for operational use
- Incorporate relevant environmental inputs appropriate for calculating line ratings
- Provide system health monitoring and indicate when ratings are unavailable or invalid
- Support deployment scalability and provide recommended sensor quantities for the lines in scope

Vendors shall also provide:

- A recommended deployment approach and supporting technical information as part of the proposal
- A line study evaluating the application and expected benefits of DLR on selected Northern Virginia transmission lines
- Pricing structured based on the number of sensors and associated deployment and support costs

- Documentation describing system operation, support, and maintenance

Solutions must comply with applicable cybersecurity requirements, including NERC CIP considerations, and must not require material changes to Dominion’s existing operational systems.

Evaluation Criteria

Bids will be evaluated based on the following criteria:

Criteria	Weight	Criteria	Weight within Category
Technical	35%	Understanding and Approach	25%
		System Integration and Architecture	25%
		Deployment Approach and Execution Plan	20%
		Operational Usefulness (DLR performance, portal, outputs)	15%
		Vendor Experience & Past Performance	15%
		Total Technical Evaluation	100%
Commercial	30%	Compliance with Contract T/C's	25%
		Diverse Supplier	25%
		Safety and Regulatory Compliance	25%
		Financial Risk and Payment Terms	25%
		Total Commercial Evaluation	100%
Pricing	35%	Pricing	100%
		Total Price Evaluation	100%
Total		100%	