Dominion Energy Virginia/North Carolina

Electric Transmission
- 6,800 miles of transmission lines

Electric Distribution
- 60,000+ miles of distribution lines
- Over 400 Substations
- 2.7 million customers served

Utility Generation
- 17,736 MW of capacity
- Balanced, diverse fuel-mix
Dominion Energy Electric School Bus Program

Pilot Program Helped to Provide
50 Electric School Buses to 15 School Districts

Supporting the purchase of
86 ebuses through DEQ, ARP & IIJA Programs

136 Electric School Buses have Surpassed
1,000,000 Miles Driven

>13,000 Diesel Buses across DEV Service Territory

Dominion Energy Serves
84 School Districts in Virginia

Dominion Energy Electric School Bus Program

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Dominion Energy Serves 84 School Districts in Virginia
Utility engagement process

Customer Tasks Before Engaging Utility

- Determine charger type, model, quantity, and locations
- Develop electronic site plans with meter location
- Complete Load Letter and have it signed by a licensed electrician
- Develop electrical riser diagram
- Gather property ownership information
- If providing a switchgear, locate drawing number

Contact Utility to Be Assigned
A Project Designer/Engineer

- Schedule a site visit
- Execute and return all agreements applicable to your project
- Submit payment if there is a cost for utility installation
- Ensure site is to final grade
- Have all private utilities marked
- If required, install customer provided conduit with pull strings and have the ends marked

Final Steps To Energize Site

- All metering equipment is installed to the utility standards
- Electrical inspection is completed by locality
- Crews complete visual evaluation of site

START EARLY!
One-line diagrams

- Understand your installed system design and overall capacity
- Helps to plan for future expansion
- Used to develop budget for electrical distribution equipment
- Used as part of the construction drawings for plans and permits
Be flexible

- Large power upgrades may take long time or be costly
  - Phased power over time may be option
  - If required power takes too long or is too expensive, can examine load management that can still meet fleet charging requirements
- Coordinate with utility for planned outages
- Utility service upgrades may require additional equipment
  - Who pays for this equipment? Utility, site owner, both?
  - How to procure medium voltage transformers which are in short supply
Example: Electric School Bus Site

**Build for future growth**