



Dominion Energy has partnered with The National Energy Development Project (NEED) for over 3 decades to offer energy education curriculum and training to teachers and students. In 2015, Dominion Energy and NEED partnered to bring Virginia schools, museums and cultural institutions the Dominion Energy Solar for Students program that installed photovoltaic installations and provided hands-on solar kits and teacher workshops for four schools. Over the last four years, an additional fourteen schools and cultural institutions have received photovoltaic systems, teacher training and solar curriculum.

Dominion Energy and NEED are currently accepting applications to the Dominion Energy Solar for Students Program to provide:

- 1.2 kilowatt photovoltaic system that converts sunlight into electric power, often referred to as “solar on a stick”
- An online monitoring tool, to provide real-time data on the system’s activity and the amount of electricity generated
- An online data display to show teachers, students, parents, and school visitors the output of the system
- Solar Energy training for classroom teachers and school personnel
- Standards of Learning, State Standards, and NGSS aligned solar curriculum and hands-on kits that will teach students how solar works and how energy, the environment and economics are all part of energy decision making.
- A Solarbration to cut the ribbon and showcase the school’s new installation to the local community
- Connections to other Solar for Students program participants to share data, partner on projects and expand learning

Eligibility:

- K-12 public schools or educational non-profit organizations with STEM (science/technology/engineering/math) programming in the regions of North Carolina, South Carolina and Virginia where Dominion Energy provides electric service.
- Schools that have full support of school board, superintendent and school administration for both the installation of the photovoltaic system, as well as curriculum and teacher training.
- Teaching staff who are committed to teaching students about the value of solar energy and exploring energy in class, monitoring the data from the installation, and integrating a deeper understanding of energy into the school.
- The school site will be surveyed for eligibility including space of installation area, access to full sunlight, access to electrical interconnection in the school building, safety and security.

A completed application includes the following:

1. Narrative in (word or pdf) to include:
 - Current energy and environmental efforts that may include clubs, facilities upgrades, parent organization support and classroom teaching;
 - The vision that the entire school/institution community has for solar power* and energy education in the school/institution;
 - Participant commitment that may include educators (and specific grade levels); faculty and facilities team at the school/institution; students, and community and parent support;
 - A description of where you propose the “solar on a stick” (assume approximately 400 square feet of space for the installation that will be installed on a pole, with the solar panels in a square/rectangular rack 8+ feet off the ground) will be installed, proximity to building, possible shading at certain times of day, presence of underground utility lines (electricity of gas) that would prevent the trenching and digging needed for the installation, and visibility to local community;
 - Proximity to Wi-Fi, system communicates via Wi-Fi network connection and needs either a good Wi-Fi signal or ethernet port to be plugged into the local area network;
 - The plan for utilizing the curriculum and data in the classroom/outreach efforts.
 - Be sure to name the file for your school/institution SchoolNameApplication.pdf.
2. Photos of the proposed site (jpg, png, gif or pdf). At least one photo is required, up to three may be included. Name the file SchoolNamePhoto.jpg, SchoolNamePhoto2.jpg.
3. Letter of commitment (word doc or pdf) indicating administrative (Principal, Superintendent, Facilities Director) commitment to the project. Be sure to name the file for your school/institution: SchoolNameCommitmentLetter.pdf.

*Please note: It is important to have the support and approval from the entire school team, so before submitting the application, please share this information with your principal and facilities team.

Site selection:

When proposing the site for installation at schools or museums/cultural institutions the following should be considered:

- **Good solar access:** The panel should be in a secure location with limited (no) shading.
- **Proximity to the point of interconnection:** The systems will be wired into a local panel and must be installed as close as possible to the electric meter/school’s main electrical box.
- **Highly visibility:** We want students, parents and your community to be excited, and learn about solar, so it is important to choose a site with lots of foot traffic - close to the school’s entrance or a courtyard. If your school or institution is selected to move forward in the process, NEED will work with licensed contractors to do a site survey with facilities personnel to confirm the selected location and to check for any possible technical or construction difficulties.
- **Proximity to Wi-Fi:** The system communicates via Wi-Fi network connection and needs either a good Wi-Fi signal or ethernet port to be plugged into the local area network.
- **No underground utility lines (power or gas)** that will impede the trenching and digging needed for the installation.

Tentative Timeline:

September 15, 2021	Application period opens
November 1, 2021	Application period ends
December 2, 2021	Schools/Institutions selected pending site review
Dec. 2021 -March 2022	Installations and Dominion Energy Solar for Students “Solarbrations”

Selected applicants will be asked to provide:

- One designated person at the school with “signatory authority” to sign an interconnection agreement.
- A copy of the school/district’s insurance policy.
- Final inspection letter signed, once the installation is completed.
- Signature of team members on the application, any other information that would be beneficial (ownership of building might be a factor in a few cases – is it urban space that is rented vs owned by the district, etc.,).