

Welcome to the Community Meeting for the Montgomery County Brookville Smart Energy Depot Project

**Located at the Montgomery County Brookville
Maintenance Facility Transit Shop
8710 Brookville Road, Silver Spring**

April 19, 2021



Site Context



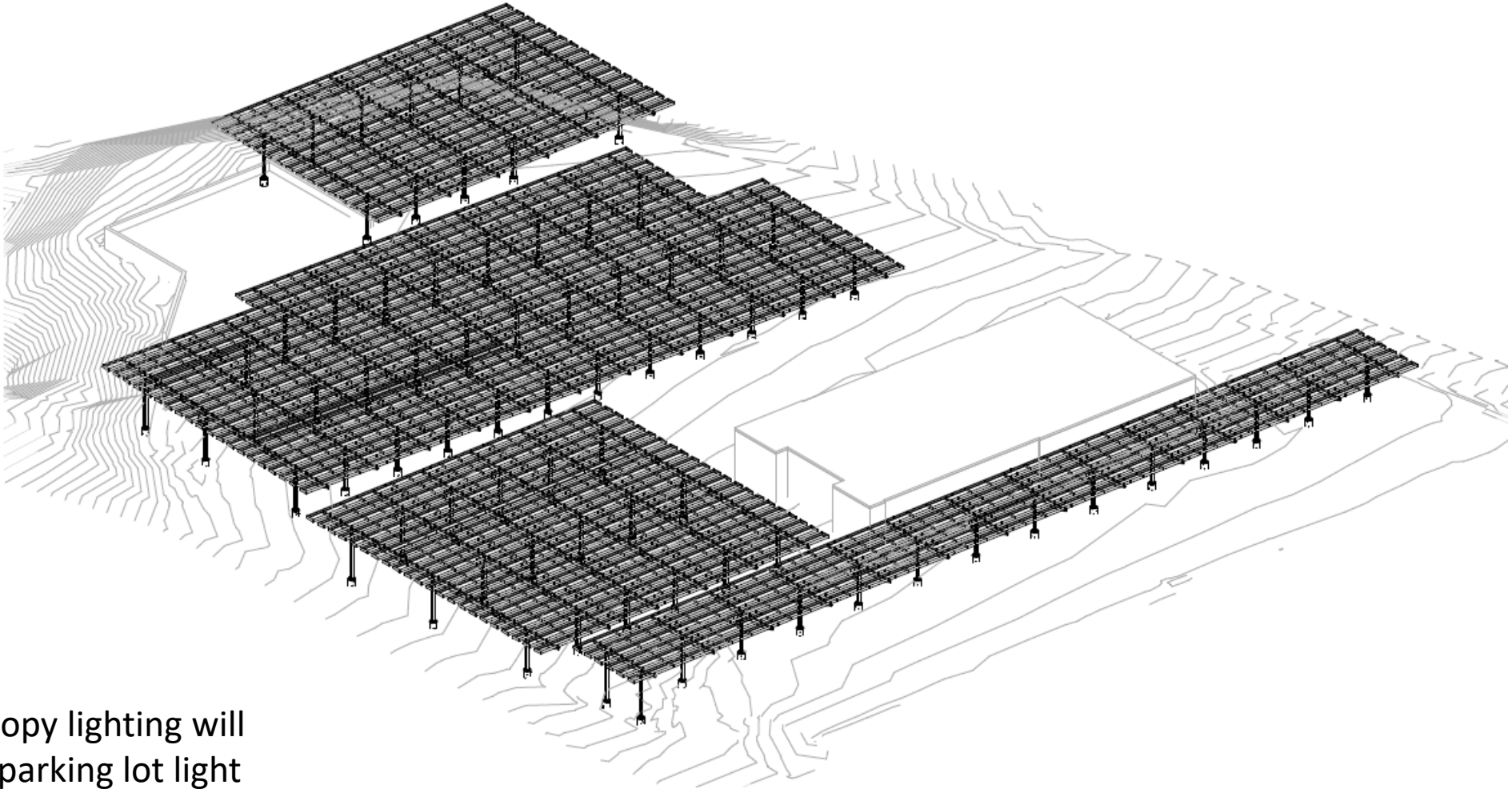
Site



Project

- **Electric bus charging**, incorporating **clean energy production technologies** will enable the County to provide **sustainable, resilient, and reliable energy supply for bus charging and site operations**. The Project will include the following:
 - 2 MW of solar photovoltaic canopies that will provide electrical power to the buses and to the battery storage systems
 - 4.3 MWH battery storage
 - 2 MW of natural gas generation
 - Microgrid controllers

Solar canopies



Solar canopy lighting will shift the parking lot light from high pole mounted pole lights.

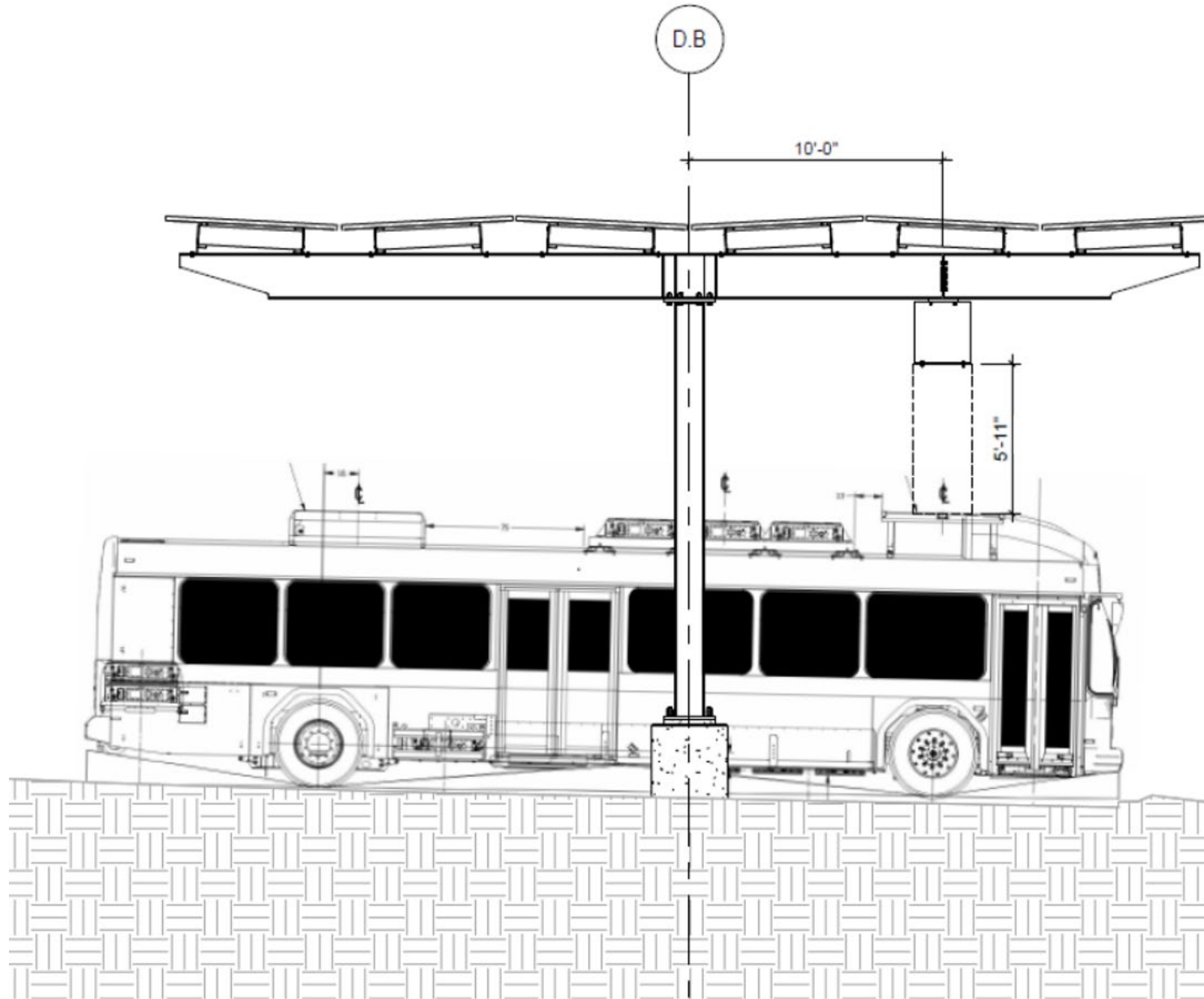
Solar Canopy Rendering



Rendering of Reel Chargers



Pantograph Chargers



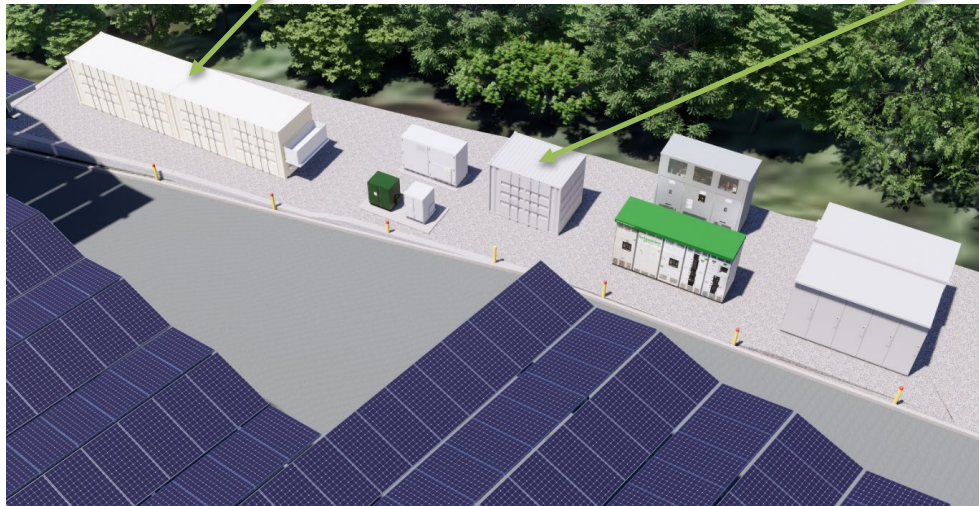
Electric Bus Chargers



Battery & Battery Storage



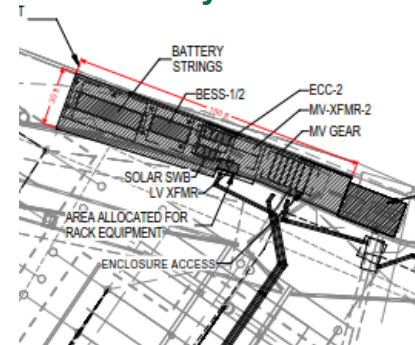
DynaPower BESS Battery String Container



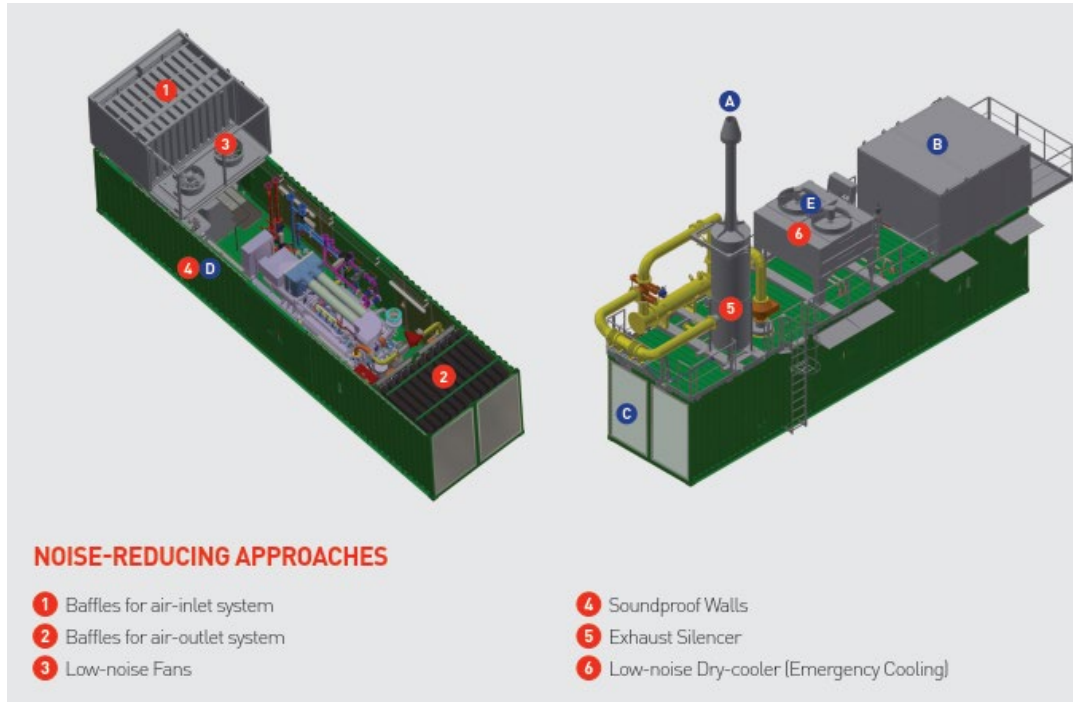
3D Rendering of BESS Area



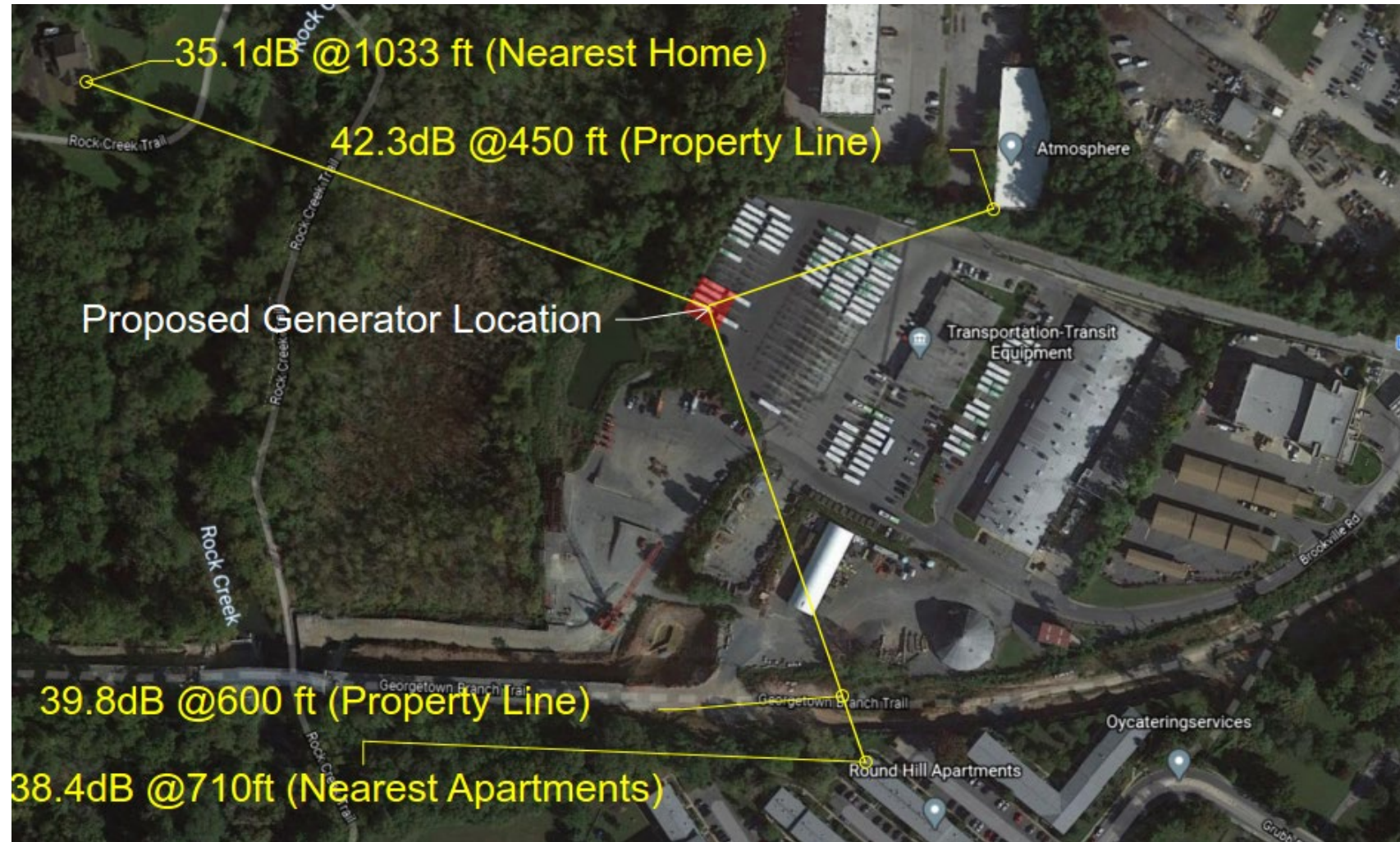
DynaPower BESS Inverter



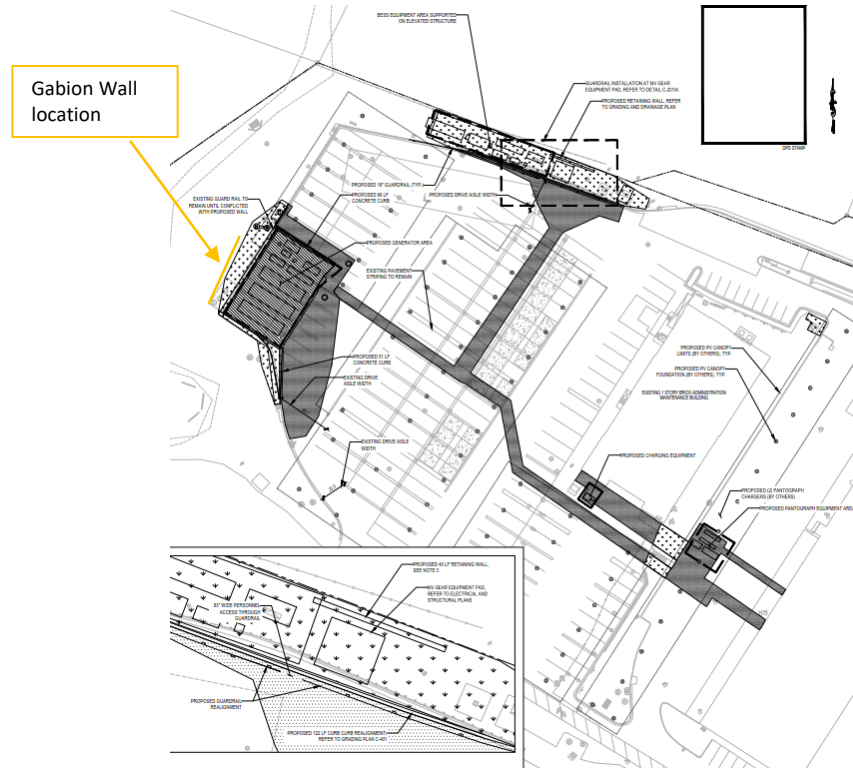
Generators



Generator Details



Stormwater Management



Phasing/Schedule

- **Pre-submission meeting April 19, 2021**
- **Phase 1: Construction to commence fall 2021**
 - Electrical infrastructure, installation of all solar canopies, battery energy storage system, one generator and up to seven additional chargers
- **Phase 2: 2024**
 - Additional generator and up to 6 additional e-bus chargers

Questions?

**Feel free to reach out to
dgs.green@montgomerycountymd.gov
with additional questions/comments.**

