

Grid Visibility Program (GVP)

Project Goals

Enable DLC to accelerate deployment of a set of modern and innovative technologies to create the foundation for complete end-to-end, transmission to grid-edge situational awareness system. Increase capacity to reduce the need for clean energy curtailment, unlock additional clean energy generation to support Pennsylvania decarbonization targets, enable more resilient grid operations, and support reduction of energy burden in disadvantaged communities.

Technology Summary

The Project will deploy and expand grid-enhancing technologies (GETs) such as dynamic line ratings (DLR) on transmission lines and smart grid chips (SGC) at customer metering sites to increase capacity, reliability, and resilience.

Technology Impact

GETs have the potential to reduce/defer capital spend, decrease the duration & frequency of outages, and support greenhouse gas (GHG) emission reduction strategies, while contributing to Justice40 and energy equity goals for DLC and Pennsylvania.

Key Personnel/Organizations

Prime recipient: Duquesne Light Company

Project manager: Elizabeth Cook

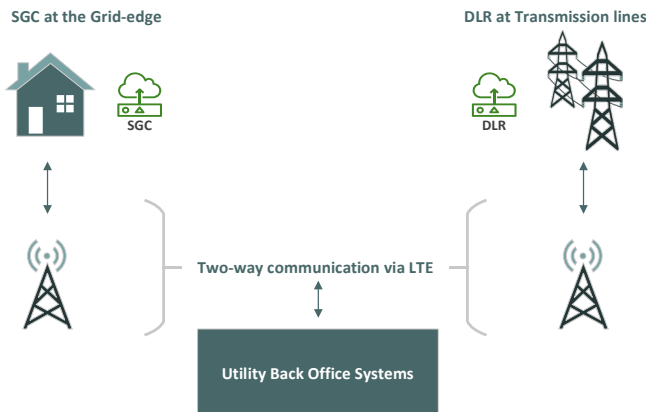
Key subcontractors: LineVision, Utilidata

Budget

Federal funds: \$ 19.7M

Cost-share: \$ 20.2M

Total: \$ 39.9M



Unlocking System-Wide Data to Build a More Resilient and Equitable Grid