# Increasing Hosting Capacity Study Update

Long Island Interconnection Working Group Meeting
March 30th, 2023

PSEG LONG ISLAND
We make things work for you.

# Purpose

- Conduct system wide study to prioritize locations and specific projects for increasing hosting capacity limits.
- Develop methodology to select distribution which are constrained (lower hosting capacity) and have high developer interest for interconnection.
- Total of 47 circuits were selected for detailed study

# Increase Hosting Capacity: Detailed Study Scope

- **Detailed feeder studies was completed for the identified 48 circuits**
  - *Thermal and Voltage Constraints*
  - *Substation 3V0 limitation*
  - *Tap changer limitations*
  - *DERs Trip Test*
  - *Capital/O&M related solutions*
  - *Capacity at adjacent substations*

# Increasing Hosting Capacity: Results

## Study Finding

- Potential to un-bottle 189 MW of Hosting Capacity by implementing cost effective solutions
- Set of solutions range from
  - Installing Transmission 3V0 (Most Constraining Element)
  - Non Capital Solutions (ex. Load balancing/Load transfer)
  - Capital Solutions – Install Voltage Regulator/Cap Banks, Reconductor
  - Changing Inverter PF

## Ongoing Initiatives

- Pursuing DOE Grant to fund projects to unbottle some of hosting capacity identified under the study
- Conceptual paper in initial phase was approved with the team currently working on final submittal (submitting further detail information)
- Implement two of the identified solutions that provide the greatest benefit by the end of 2023