

HOSTING CAPACITY MAP – STAGE 3

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PSEG LONG
ISLAND

We make things work for you.

Hosting Capacity Stages

- Stage 2 Maps – Launched in December 2020
 - ❖ Provided hosting capacity on feeder level basis (minimum and maximum) on each node.
- Stage 3 Maps – Launched in November 2021
 - ❖ Provides location specific hosting capacity for the feeders on LIPA system.
- Enhancements to the map in addition to existing Stage 2 map line items
 - Provide Transmission 3V0 Status (Installed or not Installed)
 - Transmission 3V0 Requirement: Yes, No/Pending (Requires evaluation)
 - LTC Control Upgrade: Substation requires LTC upgrades or not

Stage 3 Hosting Capacity Assumptions

- Substation analysis/limitations will be conducted independently of EPRI Drive Tool
- Approximately 900 feeders were run through EPRI Drive tool
- Batteries are not included in HC Stage 3 assessment
- Dedicated, network feeders are not included as part of the assessment.
- HC feeder limits (EPRI Drive) are further limited due to limitations at the bank/substation level
- HC values need to be updated as new projects are interconnected on the system

PSEGLI Stage 3 HC Information

FEEDER LEVEL DATA

- Look Up - Key
- Feeder ID
- Operating Division
- Nominal Voltage
- HC Limit (MW)
- DER Connected Feeder
- DER Queue Feeder

SUBSTATION LEVEL DATA

- Substation ID
- Bus ID
- Bank Nameplate Capacity
- Bank Peak Load
- Ultimate Max
- Bus DER Connected
- Bus DER Queue
- Transmission 3V0 Current Status
- Transmission 3V0 Requirement
- Recloser Delay
- LTC Upgrade

Conclusion

- Provide Quarterly update for Stage 3
- Obtain feedback from the industry on hosting capacity
- Continuous focus and commitment to HCM enhancements to support DER interconnection