CGPP Stage 3: Local Assessment and Solution Development

Stage 2: Network Model Development

* Prelim. generator locations
* Network models, databases

CGPP Stage 3: Local Assessments

1. Identify appropriate areas/POI (using engineering judgement, NYSERDA large-scale renewables, etc.)
2. Optimize utilization of the new POIs (electric location and injection size) to limit system expansion projects (by Power Flow)

Identify whether transmission constraint(s) exist;

There is a headroom deficit/transmission constraint

Refine solution portfolio until transmission constraints are addressed

Solution Development
(On-Ramp / Off-Ramps / NWA)
(Physical feasibility)

No headroom deficit remains

Potential: identify bulk system interface constraints to be addressed by bulk system projects _> DPS Staff, NYSERDA

Incremental RE (i.e., from the capacity expansion exercise) is optimally sited (using local transmission reinforcements identified)

Calculate Headroom to quantify the benefit of a portfolio

Stage 3 Outputs:

- Potential LT&D infrastructure projects (scope, cost, headroom benefit, projected in-service date, *etc.*)
- Optimized generator locations (resource type, nameplate, *etc.*)
- If applicable, conceptual solutions to bulk interface constraints (from NYSERDA, its consultant)

CGPP Stages 4-5