



**Department of
Public Service**

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November 18, 2022

Hon. Michelle Phillips
Secretary to the Commission
New York State Public Service Commission
Three Empire State Plaza
Albany, NY 12223-1350

Re: Case 20-E-0197 – Proceeding on Motion of the Commission to Implement
Transmission Planning Pursuant to the Accelerated Renewable Energy Growth
and Community Benefit Act.

Dear Secretary Phillips:

Materials from the virtual technical conference held on November 18, 2022 are enclosed. A recording of the conference is available at https://www.youtube.com/watch?v=Nz8V_QEfctk. A link to the presentation and recording of the conference will also be available on the Coordinated Grid Planning Working Group webpage: <https://on.ny.gov/3LOMzy5>.

Sincerely,

Jalila Aissi
Assistant Counsel



UTILITIES OF NEW YORK

Coordinated Grid Planning Process (CGPP):
Coordination with Bulk System Planning

November 18, 2022, 1:00pm



Agenda

- Context Setting (CGPP Overview)
- CGPP Objective
- CGPP Timeline
- Overview of How Bulk System Planning Fits into CGPP
- Stage 1: Identification of Beneficial Bulk System Improvements
- Stage 5: Least Cost Planning Assessment
- Next Steps, Q&A

Context Setting: The Utilities welcome feedback from stakeholders

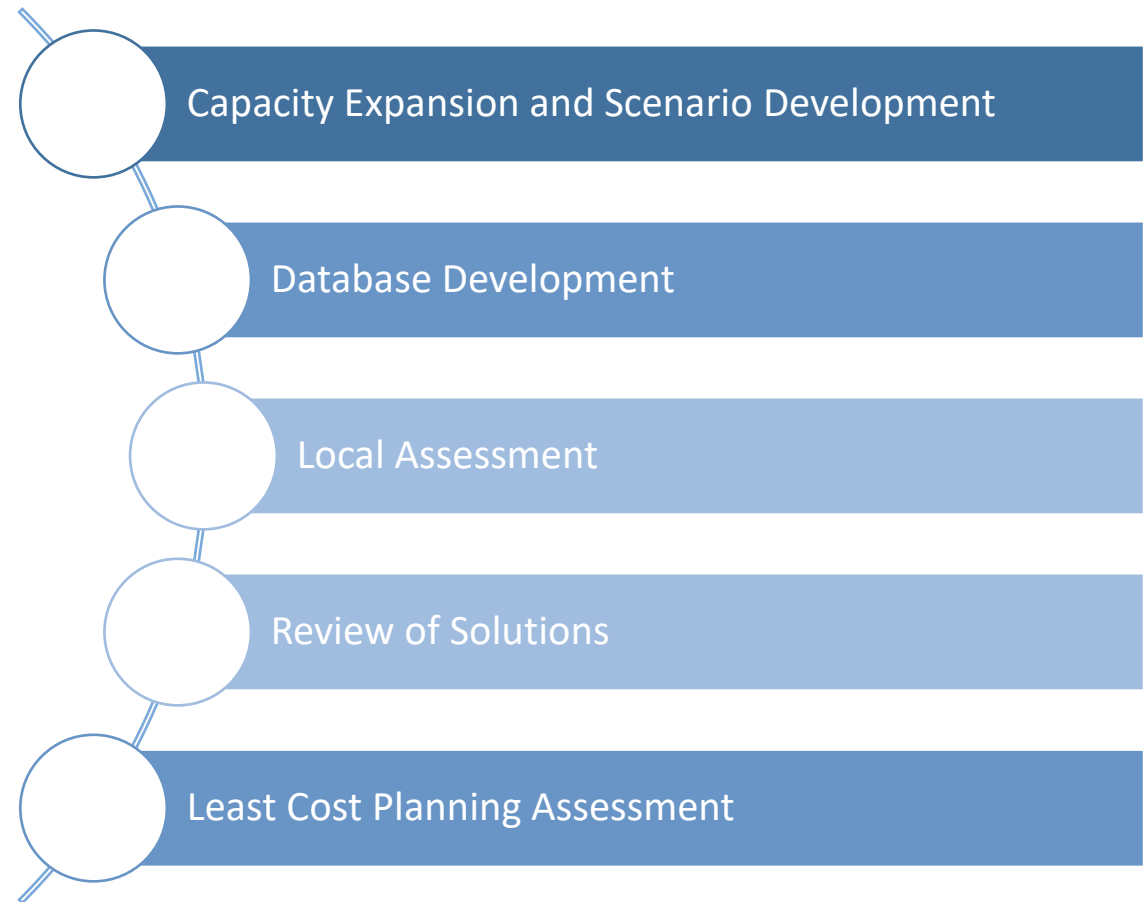
- The Utilities' plans for the CGPP remain in development
- This Technical Conference (and others in the series) present a valuable opportunity to gather stakeholder input and feedback
- The slides presented in today's discussion represent the Utilities' plans and thinking as of today and are not final

- Today's discussion will focus on how Bulk System Planning is considered in the CGPP process

- *Note:*
 - The period for submitting comments on the CGPP is open through March 3, 2023 (per the 10/1/2022 notice extending the comment period)
 - The Utilities plan to submit a revised plan for the CGPP on January 1, 2023

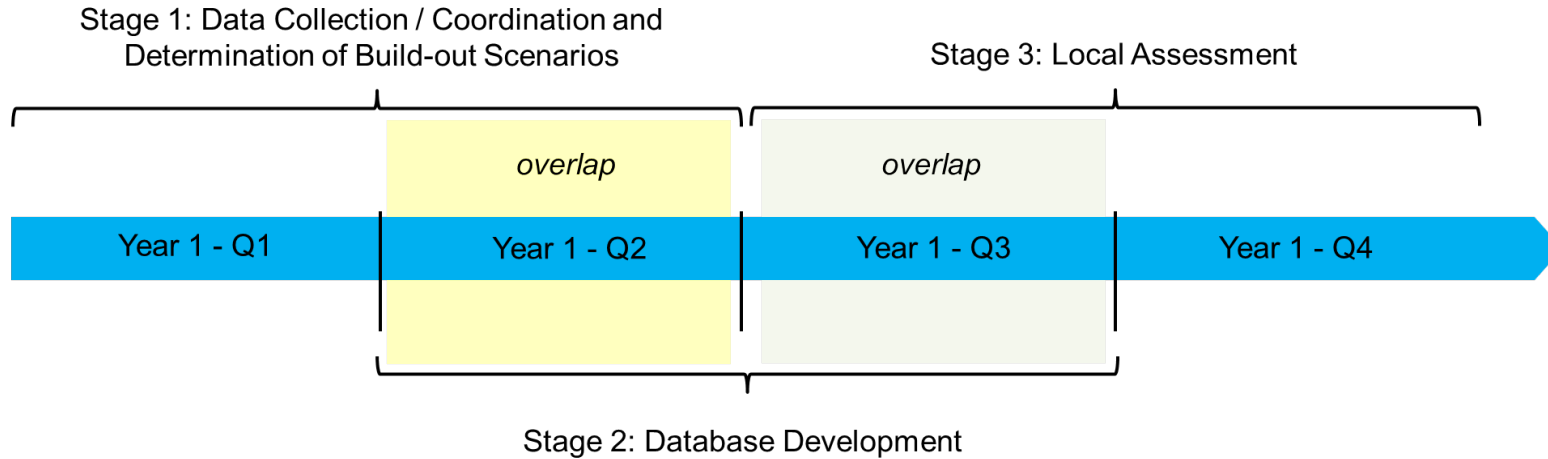
Recap: Objectives of the CGPP

- The goal of the Coordinated Grid Planning Process (CGPP) is to identify expansion of the local transmission and distribution systems that can help unlock renewable capacity and energy for the purpose of meeting New York State clean energy goals (*i.e.*, the CLCPA mandates)
- CGPP will serve as the basis for least-cost statewide integrated resource planning process



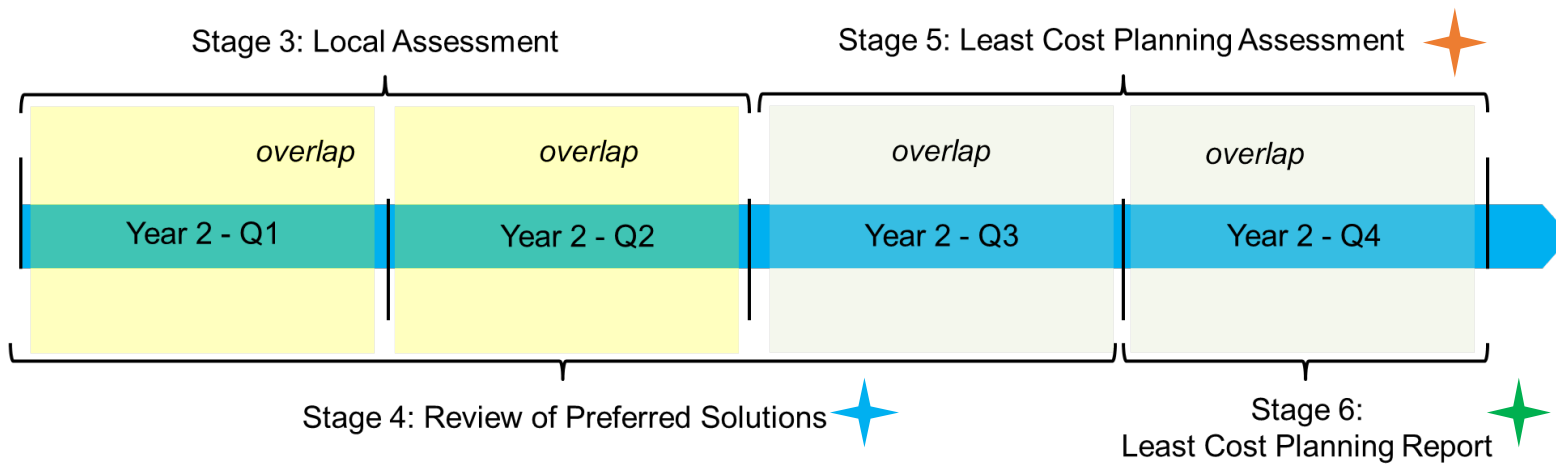
CGPP Timeline

Year 1



- The Utilities are currently developing the timing of the CGPP
- The schedule is subject to change

Year 2



Overview of How Bulk System Planning Fits into CGPP

- Using the capacity expansion models developed in **Stage 1**, sensitivities will be run that look at the impact of increasing the bulk system capability
- If increasing the bulk system capability is found to have a material beneficial impact on achieving the CLCPA mandates, a recommendation would be made to the PSC that a Public Policy Transmission Need (NYISO PPTN) be initiated (in some cases a Priority Transmission Project (NYPA PTP) may be used)
 - This generation buildout with relaxed bulk system limits will then be one of the scenarios carried through CGPP
- Once identified by the PSC, the PPTN would proceed per the established process outside of CGPP to the point of identifying viable and sufficient projects
- In **Stage 5**, the bulk project would be considered in the Least Cost Planning Assessment to understand what combination of generation, Local Transmission and Distribution projects and **Bulk System projects** result in the most cost efficient achievement of the CLCPA mandates
- The results of the Least Cost Planning Assessment will be given to the PSC for them to determine if the PPTN processes should continue to selection and award

Stage 1: Identification of Beneficial Bulk System Improvements

- Using the Capacity Expansion Models developed in **Stage 1**, sensitivities will be run that look at the impact of increasing the bulk system capability
 - The model is a simplified representation of NY with eleven “bubbles” representing each NYCA zone and “pipes” representing the transmission network that connects these zones
 - Sensitivities will look at the effect of increasing the size of the “pipes”
 - Increasing the size of the “pipes” could reduce the number of resources required to achieve the goals, change the type of resources or allow additional generation to be located in more cost effective areas
- The results of these sensitivities will be presented to EPPAC and if any are considered to be material, a recommendation would be made to the PSC that a Public Policy Transmission Need (NYISO PPTN) be identified
 - In some cases a Priority Transmission Project (NYPA PTP) may be identified
 - Only the PSC could initiate a PPTN or PTP
 - This process to identify the need for bulk system improvements does not replace the existing process to solicit input (example: NYISO submitted comments collected from stakeholders on 11/7 in case 22-E-0633)
- Any identified PPTN or PTP would proceed outside of CGPP per the established processes to the point of identifying viable and sufficient projects and brought back to CGPP in Stage 5 (next slide)



Stage 5: Least Cost Planning Assessment

- In **Stage 5**, the capacity expansion model will be rerun respecting headroom limitations on generation that can connect in each zone (within each ‘bubble’)
- The model will be able to add energy and capacity headroom, but at a cost equal to that of the local T&D projects that must be completed to add the headroom
- If a beneficial PPTN was identified, the model will also be able to increase the size of the “pipes” at a cost equal to the cost of the identified project
- The goal is for the model to provide an indication of what combination of generation, Local Transmission and Distribution projects and Bulk System projects result in the coordinated planning approach required to achieve the CLCPA mandates
- The results of the Least Cost Planning Assessment will be given to the PSC for them to determine if the PPTN processes should continue to selection and award

Q&A



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