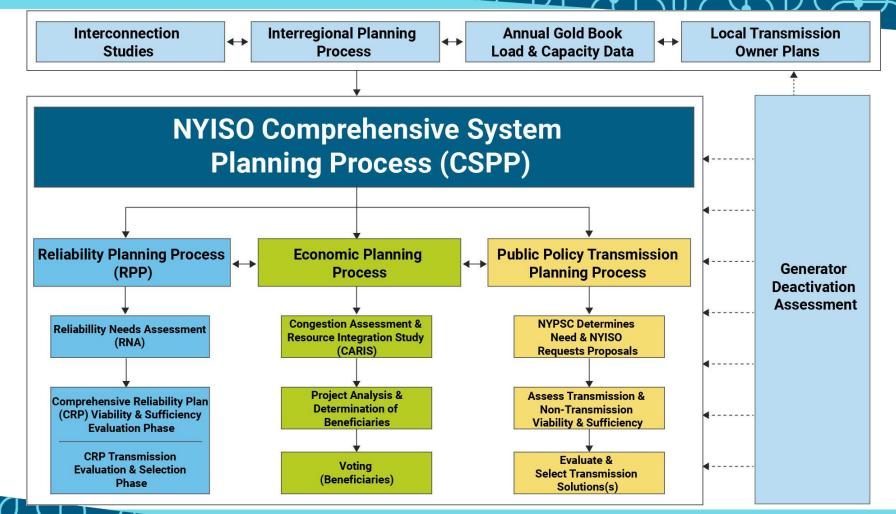
### NYISO Comprehensive System Planning Process

#### **Zach Smith**

VICE PRESIDENT, SYSTEM & RESOURCE PLANNING

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# **Super-Simplified Overview of Transmission Evaluation and Cost Allocation**



#### **Evaluation and Selection**

- Reliability Board selects based on cost and reliability metrics
  - Capital cost, cost per MW, expandability, operability, performance, development risk
- <u>Economic</u> Beneficiary loads vote (80% for approval)
  - Benefit/Cost ratio > 1.0; benefits measured only by production cost savings over 10 years from the baseline case
- Public Policy Board selects based on reliability and economic metrics



#### **Cost Allocation**

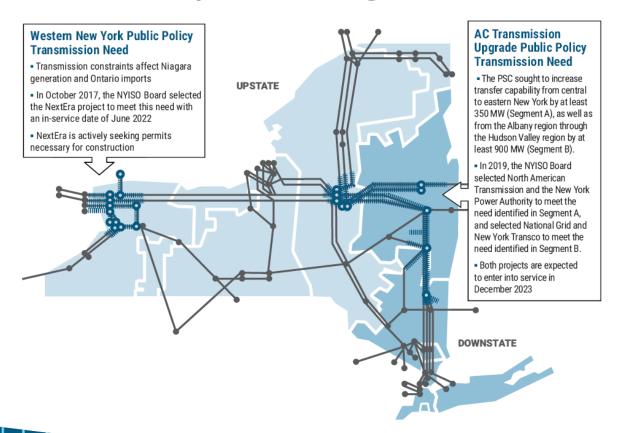
- Beneficiaries pay: identified based on the project driver
- Reliability Loads contributing to the reliability violation
  - Allocation is independent of project; based on loads' relative contribution to the reliability violation
  - Separate allocation methods for resource adequacy, thermal, voltage, dynamic stability, and short circuit
- <u>Economic</u> Loads expected to enjoy reduced wholesale electric prices
  - Allocation based on relative economic benefit.
- <u>Public Policy</u> All loads statewide are beneficiaries by default
  - Allocation by load-ratio share
  - Alternate cost allocation methodologies may be defined by the public policy, the Public Service Commission, or the selected developer.



# Planning Process Transmission Projects



#### **Public Policy Planning**



## Examining transmission investment needs driven by public policy requirements:

- Needs are identified by the NYS Public Service Commission
- Solutions are solicited by the NYISO



### The Mission of the New York Independent System Operator, in collaboration with its stakeholders, is to serve the public interest and provide benefits to consumers by:

- Maintaining and enhancing regional reliability
- Operating open, fair and competitive wholesale electricity markets
- Planning the power system for the future
- Providing factual information to policy makers, stakeholders and investors in the power system



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