STATE RESOURCE PLANNING ANALYSIS:
FACING THE BRAVE NEW WORLD

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BUSINESS AS USUAL NO LONGER APPLIES

- EPA’s Clean Power Plan is expected to radically change our resource mix
- Long standing New York State policy goal is 80% reduction in CO2 by 2050
- PSC is pursuing Reforming the Energy Vision (REV)
  - Increased penetration and reliance on DER
- Lack of Fuel Diversity
  - We are likely to lose our coal fleet; Nuclear licenses are expiring
  - Increased reliance on gas for electric generation may require additional delivery infrastructure
- Forecasting major development of renewables
- Aging infrastructure
PROBLEMS HAVE DEVELOPED IN SOME AREAS THAT HAVE ALREADY PURSUED INDUSTRY TRANSFORMATION

- Rising voltages
- Dump energy
- Load volatility
- Power Quality
- Radical change in system flows
PLANNING NEEDS TO START NOW

- Development of Clean Power Plan State Implementation Plans will start later this year
- Reforming the Energy Vision (REV) is in process
- Need to know the performance boundaries of the New York system and identify the nature and cost of any upgrades that might be needed to ensure reliability before SIPs are drafted
- Need the framework to test SIPs as they are developed
- Need to formulate solid plans to implement the final SIP
The Transmission Owners and the NYISO are stepping up to assist the DPS, NYSERDA and DEC with the analysis

Two study years: 2030 and 2024 (glide-path)

Three Scenarios:
- Business As Usual – How the future would likely evolve w/o CPP and State goals
- EPA Clean Power Plan – Meet the EPA goals from an all resource perspective
- REV Implementation – Meet needs with local resources before calling on statewide resources
TIMING

- Scope is under development and will be bringing consultants on board shortly
- Focus on BAU initially
- Expect CPP Final Rule during the summer