



NYISO – TPAS/ESP Working  
Group

Transource New York –  
Comments on Proposed  
PPR Transmission Needs in  
2018 PPR Process

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Need:



Need:



# Challenges:

- **NYPSC Focus on No New Rights-of-Way**
- **Environmental Impacts**
- **Property Values**
- **Viewshed**
- **Health**
- **Noise**

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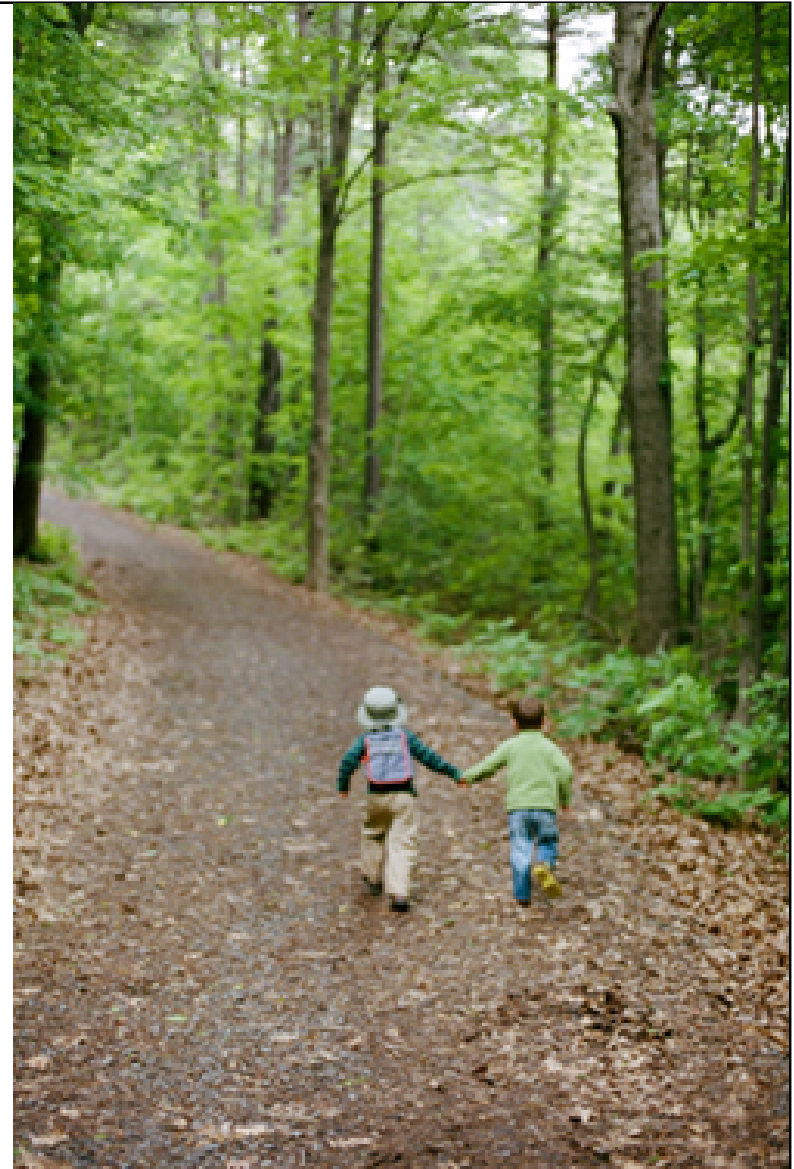
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# Considerations:

**Tower height expected to be an important factor:**

- **63% of New York State is forested**
- **100 different tree species**
- **53% of New York State Tree species are hardwoods**
  - **(Maple / Beech / Birch)**
- **Balance of New York State tree species are coniferous**
  - **(Pine / Spruce / Larche / Hemlock / Fir)**
- **Native trees average 80' to 100' in height**
- **Excellent specimens can be 150' to 200' in height**



**Department of  
Environmental  
Conservation**

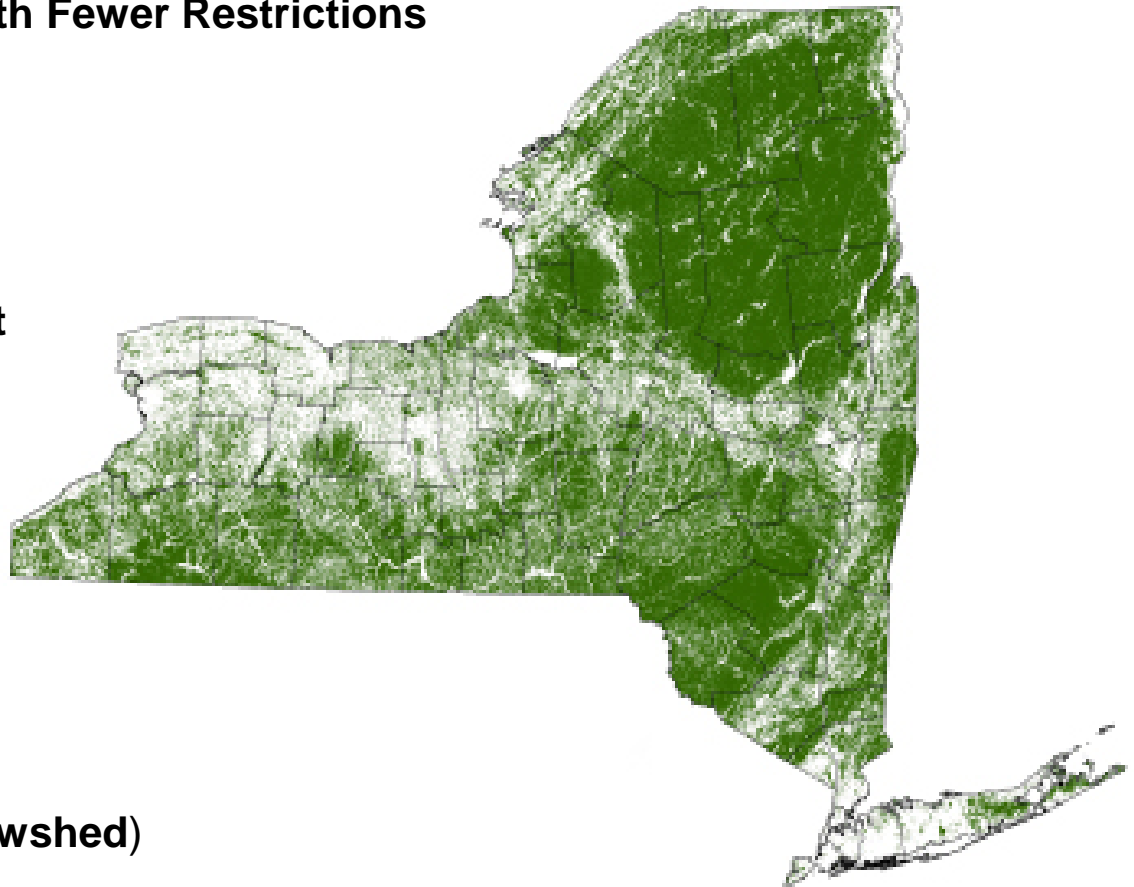


- **NYISO PPR Process provides unique opportunities to identify transmission needs, solicit and review viable and sufficient projects and provide regulated funding to advanced, environmentally focused, transmission**
- **NY CES is the pioneering state public policy initiative to decarbonize the electric system in NY**
  - Reduced Emissions (50x30 Mandate)
  - Economic Development and 21<sup>st</sup> Century Jobs
  - Stable Energy Bills for Consumers
- **NYISO thermal analysis (July study) provided crucial information identifying key needs to support the CES program**
  - Existing and projected additional substantial constraints in North Country
  - Redistribution of flows in the Hudson Valley area
  - Thermal transfer limits; bottled renewable generation



# Imagine:

- **Using Native Voltages**
- **Using Existing Rights-of-Way**
- **Transferring More Power With Fewer Restrictions**
- **Lower Line Losses**
- **Lower Structure Heights**
- **Reduced Structure Footprint**
- **Lower EMF**
- **Mitigate Equipment Cost**
- **Quiet Operation**
- **Bird Friendly**
- **Improved Visual Impact (Viewshed)**



- **Resolutions and Policy Positions Supporting Deployment of Advanced Transmission Technologies**
  - **NARUC** Substantive Resolution, adopted February 17, 2016
  - **Council of State Governments National** Resolution, adopted December 11, 2016
  - CSG – South Policy Position, adopted 2016
  - CSG – Midwest Resolution, adopted 2016
  - CSG – West Resolution, adopted 2016
  - Southern States Energy Board Resolution, adopted 2016
  - Montana Resolution, adopted 2017
  - Arkansas Resolution, adopted 2017
  - Louisiana Resolution, adopted 2017
  - Example of state policy **expediting transmission siting approval when using an existing Right-of-Way**: Kansas 66-1,182

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- **Given the aggressive timeline to achieve NY 50x30 goals, the build-out of transmission needed to accommodate the CES program must be implemented effectively and expediently**

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**“Whereas**, A secure, reliable, and resilient power grid integrating generation resources serves as a foundation of a growing economy and is critical to our national security; *and...*

**Whereas**, New innovative cost-effective transmission technologies (including, but not limited to,...compact transmission towers,...) are commercially available that can **increase grid capacity, improve energy transfers, promote greater stability and resiliency, make more efficient use of rights-of-way, reduce transmission line losses, and help to streamline siting and construction activities**; *and...*

**Resolved**, That NARUC encourages Regional Transmission Organizations / Independent System Operators and other planning authorities to **support and consider cost-effective advanced electric transmission infrastructure options....”** *NARUC Substantive Resolution, adopted Feb 17, 2016*

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**Mitigate environmental impacts**