



External Affairs & Corporate Communications

Summary Outreach and Campaign Development

Kevin Lanahan

Vice President, External Affairs & Corporate Communications

Management Committee

November 21, 2022

Legislative & 3rd Party Engagement

- Office of the Governor, Energy and Environment Staff
- U.S. Senate ENR Chairman Joe Manchin
- ENR Ranking Member John Barrasso's office
- Senator Kevin Parker, Chairman of Committee on Energy and Telecommunications
- Senator Brian Kavanaugh, Chair, Committee on Housing
- Senator Tim Kennedy, Chair, Transportation Committee
- NYS Senate Majority Counsel's office and various majority members' COS
- NYS Assembly, Program and Counsel staff
- Greater Rochester Enterprise
- Justin Wilcox, Exec. Director, Upstate United
- AFL-CIO; Mike Neidl, Legislative Director; Joe Canovas, Special Counsel
- Daniel Chu, Energy Planner, NYC Environmental Justice Alliance
- North Country Alliance
- Assoc. of General Contractors
- Binghamton Chamber of Commerce

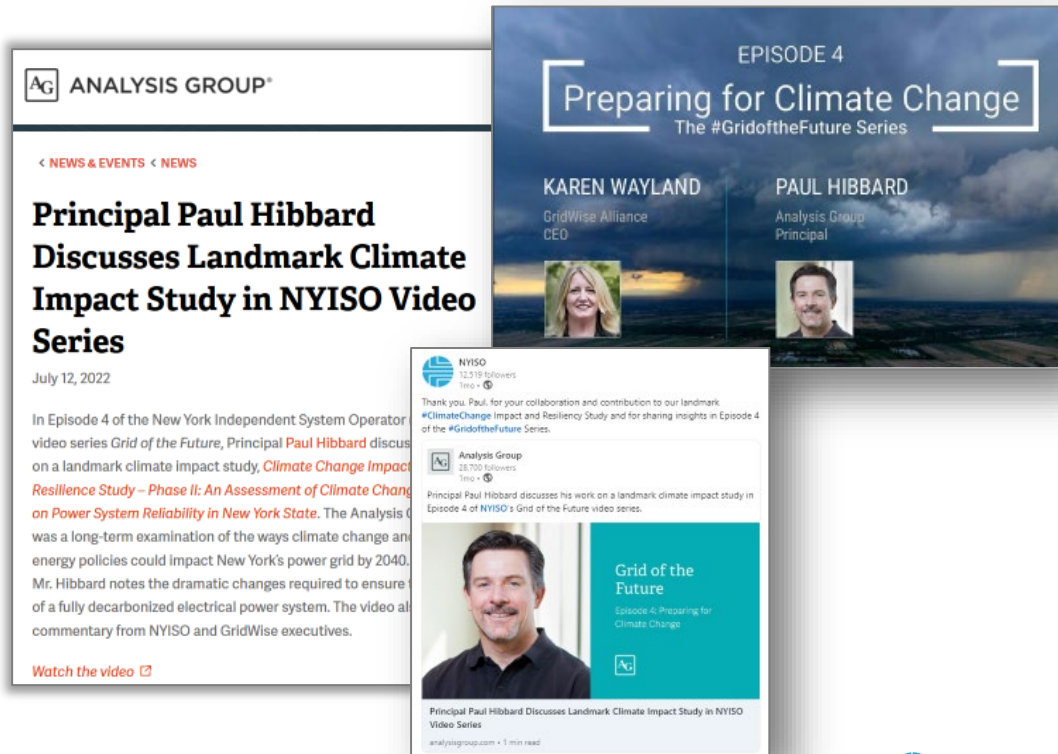
Media Outreach

- **S&P Global** | US DOE lab report finds US utility-scale solar projects increasingly competitive | Oct 3
- **PV Magazine** | New York needs 20 GW of new renewables by 2030, plus transmission, says grid operator | Oct 6
- **RTO Insider** | Study: NYISO Dynamic Reserves Could Lower Congestion, Costs | Oct 12
- **S&P Global** | National Grid, NY agency partner on 120 MW of community solar projects | Oct 18
- **The Wall Street Journal** | Western World's Energy Folly in a New York Nutshell | Oct 21
- **S&P Global** | New York Power Authority, LS Power transmission project halfway to completion | Oct 25
- **Analysis Group** | Principal Paul Hibbard Discusses Landmark Climate Impact Study in NYISO Video Series | July 13
- **Spectrum News** | How the New York power grid is preparing for the future | July 20



VIDEO: Preparing for Climate Change

- Paul Hibbard of the Analysis Group discusses the Climate Impact & Resilience Study
- Campaign
 - Press release
 - Social Media
 - Report launch
 - Datasheet



2021-2040 Outlook Report

■ Launched

- Press release
- Report
- Outreach and briefings

■ 8-Week Campaign

- Datasheet
- 3-blog series
 - Key findings
 - Transmission expansion
 - Capacity investment
- Podcast with Zach Smith
- Social Media series

2021-2040 System & Resource Outlook (The Outlook)
20-Year Outlook Forecasts Transmission & Resources Needed to Meet Policy Objectives

The NYISO evolved its planning processes to produce the first-ever System & Resource Outlook. This new study includes a 20-year forecast that examines multiple cases and scenarios that identify transmission investment opportunities and project resource mixes for achieving 2030 and 2040 policy mandates while maintaining reliability. The Outlook will be updated every two years.

Key Findings

- ✓ State climate mandates are driving the need for unprecedented levels of investment in new generation to achieve decarbonization and maintain system reliability.
- ✓ Electrification of buildings and transportation required by state policies will rapidly increase peak and annual energy demand.
- ✓ Extensive transmission investment will be necessary to deliver renewable energy and address new constraints that appear across the electric system.
- ✓ To achieve an emission-free grid, Dispatchable Emission-Free Resources (DERs) must be developed and deployed at scale well before 2040 to ensure reliability and meet climate mandates.

Generation Required to Meet CLCPA Mandates

- +20 Gigawatts New by 2030**
 Estimated 20 GW of New Renewable Generation Needed for 70% by 2030 Goal. Roughly seven years from now, an estimated 20 GW of additional renewable generation must be in-service to support the energy policy target of 70% renewable generation by 2030. For reference, 12.9 GW of new generation has been developed since wholesale electricity markets began more than 20-years ago in 1999.
- 111-124 Gigawatts Total by 2040**
 Total Installed Capacity Must Triple for 100% by 2040 Goal. At least 95 GW of new generation projects and/or modifications to existing plants will be needed. Over the past five years, 2.6 GW of renewable and fossil-fueled generators came on-line while 4.8 GW of generation deactivated. New York currently has approximately 37 GW of generating capacity.

— Zach G. Smith, VP System & Resource Planning, New York ISO

Colin Kinniburgh
@colinreads

Latest @NewYorkISO report is another stark reminder of just how much clean energy NY needs to build in the next 18 years to meet climate mandates. By their count, total capacity needs to ~triple while removing all fossil fuels nyiso.com/-/press-releases...

NY Capacity Expansion Results, Installed Capacity
 Scenario 1
 Scenario 2

2:00 PM · Sep 22, 2022 · Twitter Web App

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12,993 followers
2h ·

In this #podcast, our VP of System & Resources Planning, Zach Smith, quantifies the unprecedented levels of new generation - triple the current capacity - to meet NY's emissions mandates. "We need to think about these factors today." [...see more](#)

Power Trends
New York ISO
Episode 22
PODCAST

Unprecedented Investment Needed to Meet Energy Goals
 with Zach Smith
 VP, System & Resource Planning

LISTEN NOW

Addressing New York's Electricity Prices

- Explores various factors and cost drivers behind recent increases
- Campaign
 - White paper
 - Launched June 2022, updated July and another coming in Dec
 - Podcast featuring U.S. Energy Information Administration analysts
 - Social Media series
- Press Coverage
 - S&P Global | Aug 11 & Aug 25

OF NATIONAL & GLOBAL CONDITIONS
Impacts of National & Global Conditions on Electricity Prices
September 13, 2022

An Explainer: Electricity Prices in New York

Episode 21
U.S. Energy Information Administration Experts Discuss Recent Energy Price Impacts

158
DOWNLOADS IN 7 DAYS

Bob Confer @bobconfer · 21h
A "must read" for anyone balancing a budget in a small business - or a home - in New York State.

Electricity Prices in New York

Various factors and cost drivers behind recent and projected increases in electricity costs. The report also discusses how wholesale competitive electric markets benefit consumers by continually searching for the lowest cost solutions available.

The NYISO report sources and summarizes material from The White House, the Energy Information Administration, the New York State Public Service Commission, the U.S. Department of Labor as well as Power Trends, our annual state of the grid report. The white paper is intended to

Interconnection Queue

■ Blogs

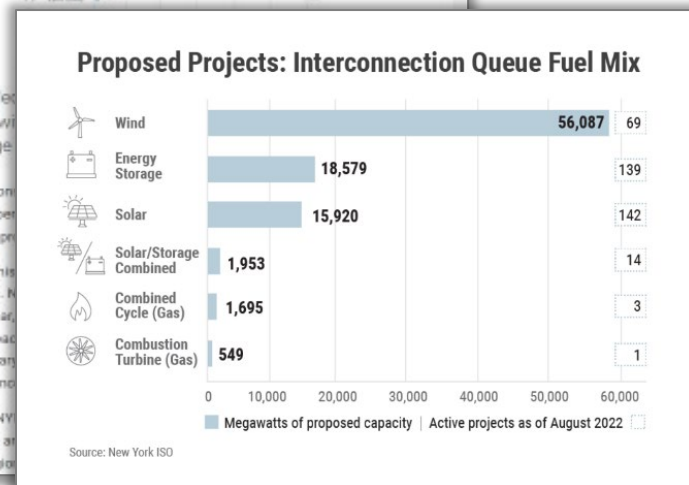
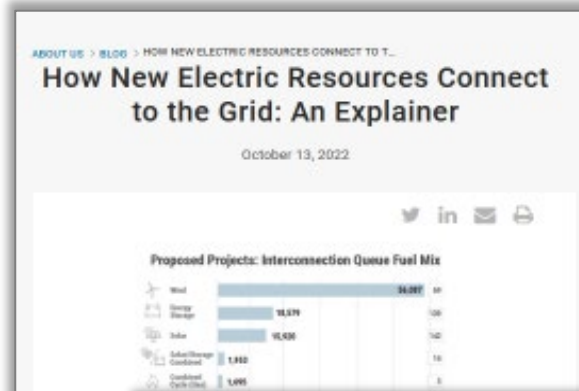
- *How New Electric Resources Connect to the Grid: An Explainer*, Oct 13, 2022
- Other planned blogs on process, hirings, and enhancements

■ Podcast & Video

- featuring Zach Smith

■ Social Media Series

■ Focus Groups & Media



2022 Reliability Needs Assessment (RNA)

■ Launch Plan

- Press release
- Report
- Outreach and briefings

■ 8-Week Campaign

- Datasheet
- Blog series
 - Key findings
 - CHPE project impacts
- Podcast
- Social Media series

2022 Reliability Needs Assessment (RNA)
Report Highlights Risks to Future Reliability

The 2022 RNA finds that **thinning reliability margins over the next decade present increased challenges to reliability**, depending on new generation and transmission projects as well as changes in energy demand, changing policy, and increases in extreme weather.

Key Takeaways

- ✓ **New York City faces the greatest risk** from limited generation and transmission with reliability margins projected at just 50 MW in 2025 (as few as one generator offline).
- ✓ The Champlain Hudson Power Express (CHPE), bringing clean power from Hydro Quebec to NYC, is expected to come in-service by 2026. **If CHPE is delayed, the absence of this resource could result in risks to reliability as early as 2028.**
- ✓ Changing reliability needs in NYC and elsewhere could result in the **need to retain roughly 17,000 MW of fossil-fuel generating capacity** in order to supply electricity on high-demand, "peak" days.
- ✓ **Extreme weather and gas shortages** could adversely impact reliability over the next 10-years, as early as Winter 2028-29, if projects are delayed, there are additional generator deactivations, extreme weather, as well as other economic, regulatory and policy drivers.

Mitigating & Resolving Risks

- » **The wholesale electricity markets administered by the NYISO are an important tool** to help mitigate the identified risks. The markets send appropriate price signals for new market entry and retention of resources that assist in maintaining reliability.
- Potential risks identified in the analyses may be resolved by:**
 - Expected new capacity resources coming into service on schedule.
 - Construction of additional transmission facilities completed on schedule.
 - Increased energy-efficiency and programs that reduce demand when needed.

Reliably managing New York's power grid & wholesale energy markets since 1999

New York ISO
Independent System Operator

2022 Reliability Needs Assessment (RNA)

A Report from the New York Independent System Operator

Draft Report
October 26, 2022, Management Committee

Community & Industry Engagement



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1w • Edited •

Congratulations to **LS Power** and the **New York Power Authority** for reaching the electrifying halfway mark milestone on the Central East Energy Connect Transmission Project! [...see more](#)



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Thank you **EUCI** for inviting VP **Kevin Lanahan** to share our Corporate Communications **#GridoftheFuture** story at the recent Best Practices for Public Engagement Event. [...see more](#)

EUCI Event
**BEST PRACTICES
IN PUBLIC ENGAGEMENT
FOR ENERGY COMPANIES**

October 25, 2022



Kevin Lanahan
VP, External Affairs &
Corporate Communications

