



Clean Path  
NY



# Development Team

## Clean Path NY



**NYPA** is the largest state public power organization in the nation, operating 16 generating facilities and more than 1,400 circuit-miles of transmission lines. More than 80 percent of the electricity NYPA produces is clean renewable hydropower.



**Invenergy** has successfully developed more than 30 gigawatts of projects that are in operation, construction, or contracted, including over 890 megawatts of wind, solar, and advanced energy storage projects in New York.



**energyRe** is an independent New York company focused on solving complex challenges and providing clean energy solutions. The team at energyRe has expertise in infrastructure, engineering, and development and its founding investors include principals of Related Companies.

# Energy and Public Health Challenges

## ...and the Tale of Two Grids



New York State's **Climate Leadership and Community Protection Act** calls for a just transition to clean energy.

### The Goal

- 70% renewable energy generation by 2030
- Zero-emission electricity sector by 2040
- Economy-wide carbon neutrality
- Clean air and green jobs

### The Challenge

- Congestion in outdated energy grid blocking clean power produced upstate from reaching New York City
- Poor air quality in frontline communities where power is supplied by fossil-fuel fired plants



# 85%

of the downstate grid is  
powered by fossil fuels

# 10%

of the upstate grid is  
powered by fossil fuels

# Clean Path NY

## All Renewable, All New York



**1,300 MW, 175-mile** underground and underwater HVDC transmission line from Delaware County to New York City and **3,800 MW** of new wind and solar capacity in upstate New York.

- **\$7.5 billion** in new clean energy generation
- **\$3.5 billion** in new transmission investment
- **8,300+** new in-state jobs
- **22% reduction** in fossil fuel generation statewide per year on average
- **49 million tons** of avoided CO2 emissions by 2040
- **Billions** in avoided social and public health costs due to emissions reductions
- Increased energy security and independence





# Project History



- **January 2021:** New York State, through the New York State Energy Research and Development Authority (NYSERDA), issues request for proposals for renewable energy projects to deliver energy to downstate New York.
- **September 2021:** Clean Path NY was selected for award through competitive selection process.
- **November 2021:** Agreement signed with NYSERDA and contract is submitted to the New York State Public Service Commission for approval
- **April 2022:** Public Service Commission approves project contract

# A Clean Air, Clean Energy Future

## For all New Yorkers



22%

reduction per year statewide  
in fossil fuel generation

49 million

tons of avoided CO<sub>2</sub> emissions  
over 25 years statewide

# How We Get There

3,800 Megawatts of New Generation Resources

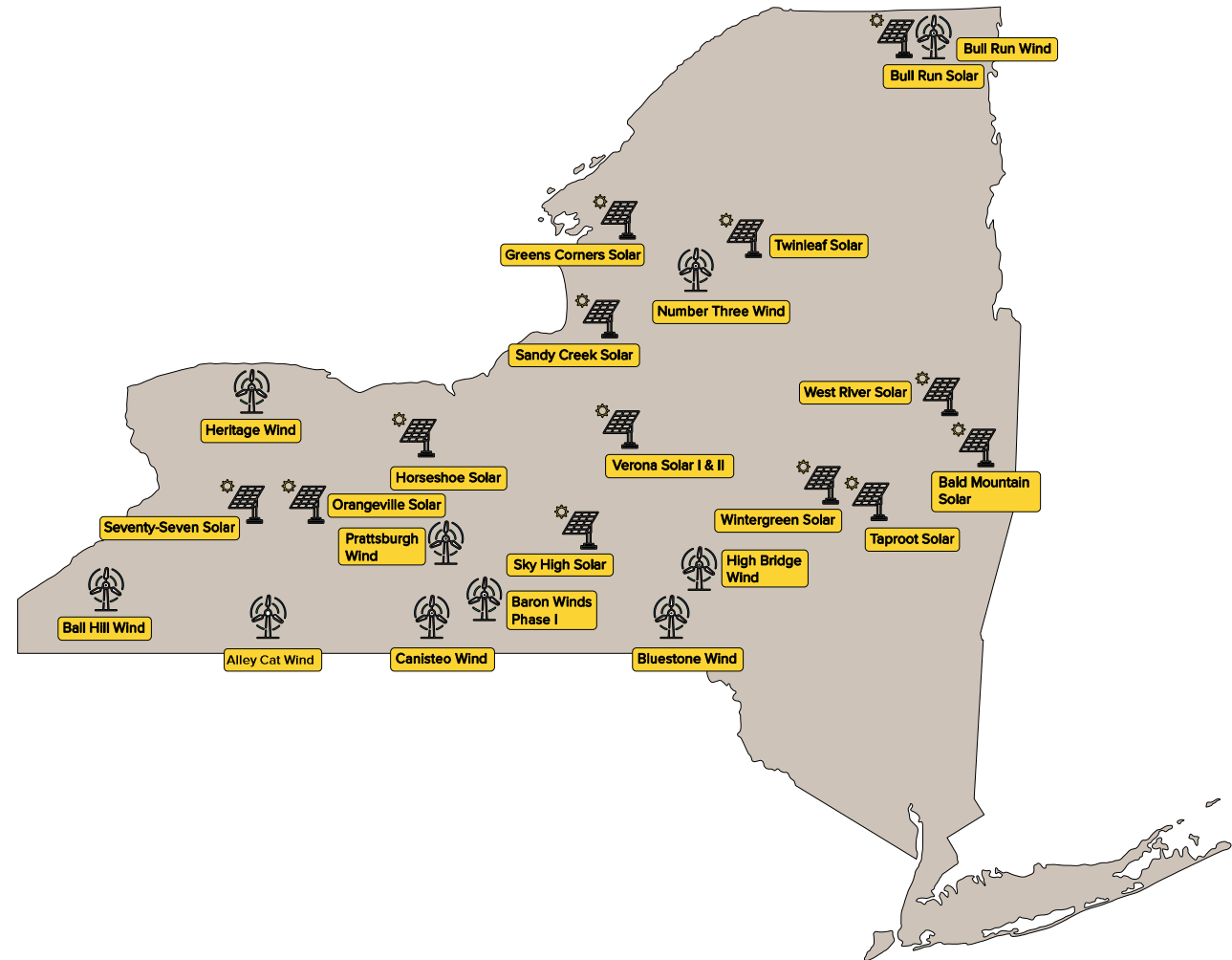


## Wind

2,000 MW of new in-state generation

## Solar

1,800 MW of new in-state generation





# How We Get There

## Responsibly-Routed Transmission Line



Clean Path NY is designed to untangle our grid and free it from the congestion that is blocking clean energy from reaching New York City:

- **Uses existing Right of Ways:** approximately 100 of 175 miles located in NYPA right-of-ways in Marcy South Corridor; already used for roads and other infrastructure
- **Responsible Routing:** sited entirely underground or underwater to minimize environmental and community impact
- **Reliability:** resilient against extreme weather to limit disruptions in service
- **Transparency and accountability:** commitment to work with communities and stakeholders at every stage of development.





# Storage Resource

## Unlocking Energy When it's Needed Most



The Blenheim-Gilboa Pumped Storage Power Project strengthens the reliability and resiliency of the project.

- Use of long-duration storage to maximize utilization
- Owned and operated by New York Power Authority (NYPA) since 1973
- Interconnects at Gilboa Substation with direct 345 kV feed to Fraser
- Uses hydroelectric technology and two large reservoirs at different altitudes to generate electricity
- 1,160 MW of existing, long-duration storage capacity



# Economic Investment and Job Creation

## All Renewable, All New York



### \$11 billion investment for projects in New York State

- **8,300** engineering, construction and operation, and maintenance jobs through the first three years of operation
- Major investment in **publicly-owned transmission resource** that will reduce congestion and lower energy costs well beyond the initial 25-year contract period
- Pursuing **project-labor agreement** in partnership with union labor and opportunities for **local suppliers**





# Environmental Justice

## A just transition to a green economy



### 40% of the benefits of the project accrue to communities on the frontlines of climate change

- Direct investments via development of transmission and generation
- Directly induced supply chain impacts
- Community investment fund
- Avoided social and public health costs
- Cleaner air and better air quality
- More resilient energy grid to withstand extreme weather
- Reducing reliance on oil and gas



# Investing in Our Communities

Education, Workforce Development, Community Health



**\$270 million in community-led investments for job training, education, public health and the environment**

- Funding for new and existing workforce development, local apprenticeship, and education programs to increase access and opportunities in the fast-growing green economy
- Investments to expand access to medical care and health services in frontline communities
- Environmental conservation and clean energy initiatives (electrification retrofits in frontline communities to spur local investment, create good jobs, and reduce the environmental burden existing buildings place on neighborhoods)

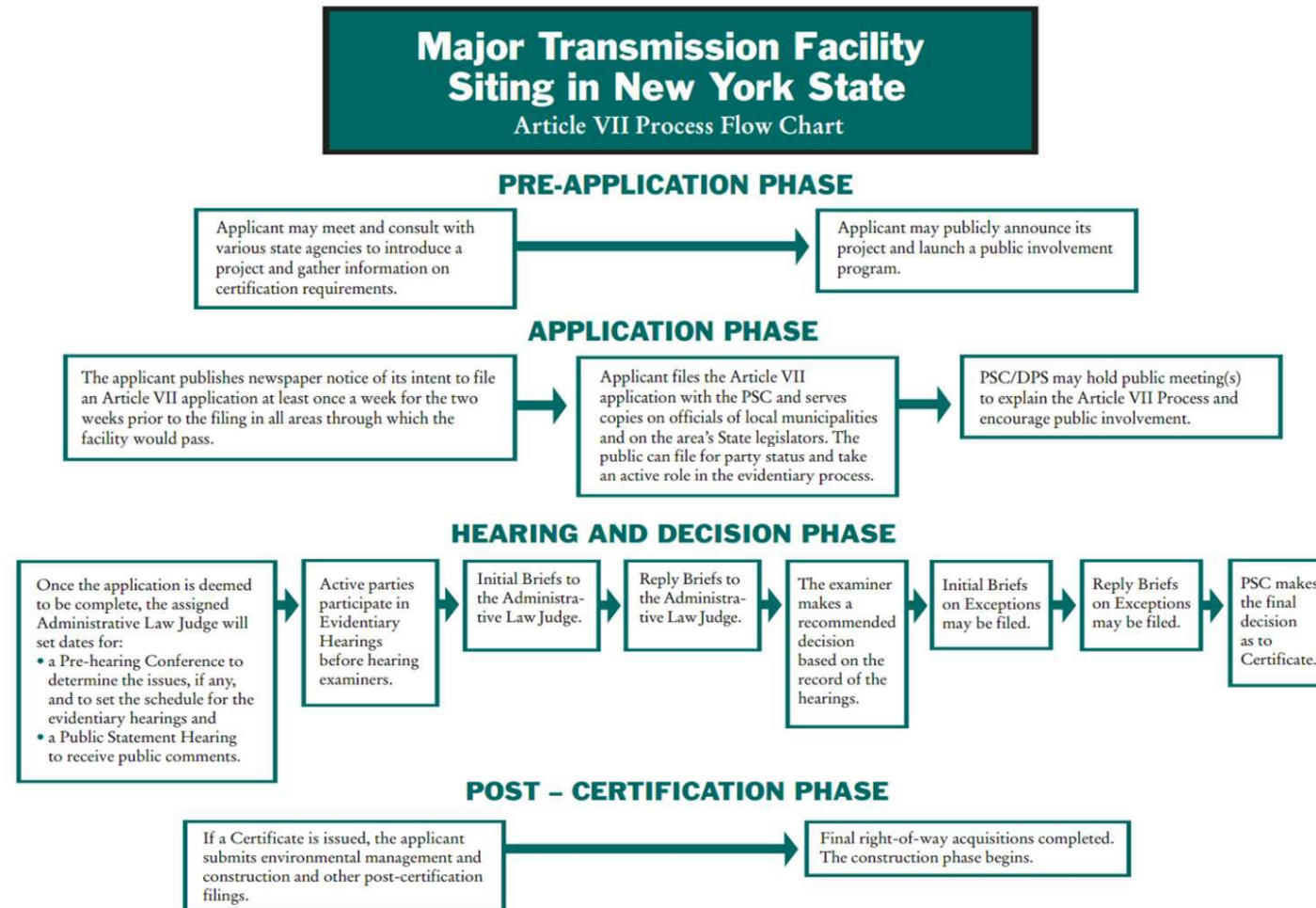




A photograph of a man and a young child walking away from the camera on a paved path in a park. The man is wearing a blue and white plaid shirt and khaki shorts, holding the child's hand. The child is wearing a light blue shirt and white shorts. The background is filled with lush green trees and foliage, creating a soft, natural setting. The overall tone of the image is peaceful and familial.

# Article VII Process

# Article VII Regulatory Process





# Article VII

## Environmental Assessments



Article VII of the New York State Public Service Law requires a full review of the need for and environmental impact of the siting, design, construction, and operation of major transmission facilities in New York State.

- **Underground and underwater transmission:** minimizes environmental impacts during operation
- **Limited scope and duration:** following completion of construction, the presence of the line will not be perceptible to local communities
- **Robust environmental analysis:** field investigations, environmental impact studies, literature review, and agency consultations underway to identify and assess environmental conditions

**Target Article VII application: Fall 2022**



# Article VII

## Public Review and Participation



The Clean Path NY team is committed to working with communities and stakeholders at every stage of the process to ensure local voices are sought and heard.

- **Attend public meetings and open houses:** meet the project team at open houses to learn more and ask questions about the project
- **Connect with Clean Path online:** visit the CPNY website, follow the project's progress on social media @CleanPathNY, and email questions to [info@cleanpathny.com](mailto:info@cleanpathny.com)

Any New Yorker along the project may become an intervenor (formal party) to the Article VII public review process by contributing testimony, comments, and other material. Clean Path NY will provide funding to offset costs of consultants, administrative fees and other expenses for this purpose.

For detailed information regarding the preparation of an intervenor fund application, visit the Public Service Commission Website at Article VII Major Electric and Gas Transmission Facilities [dps.ny.gov]





