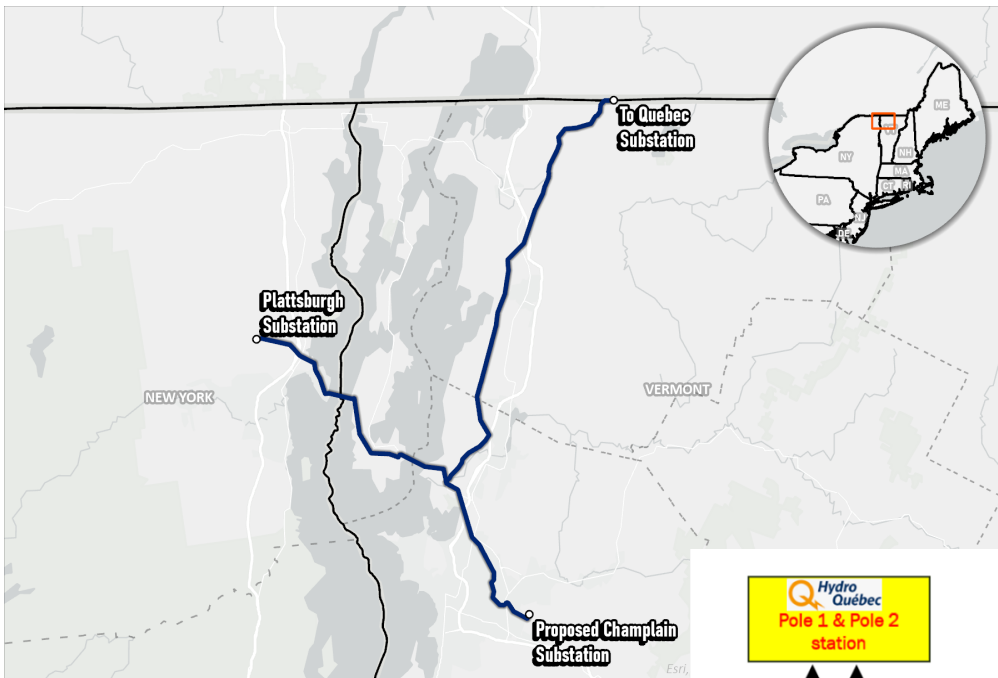




Alliance Transmission

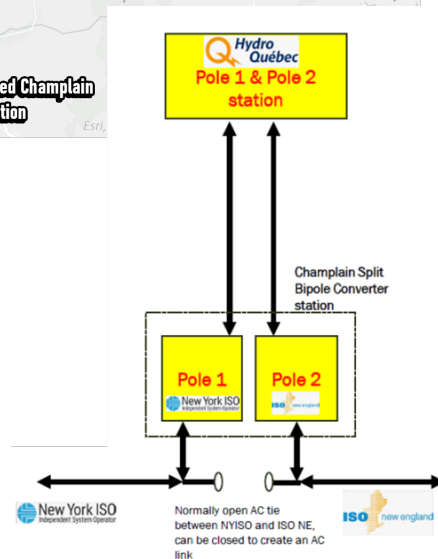
Vermont System Planning Committee
July 17, 2024

Alliance Transmission Exchange



ABOVE: Alliance lies “between the seams” among 3 balancing authorities.

RIGHT: Alliance will be operated in a split bipole configuration, with each pole operating independently, enhancing reliability, and catalyzing new generation resources in the respective 3 grids.



VELCO & Grid United

- \$2.5 billion project
 - New bi-directional HVDC line connecting ISO NE, NYISO, and Quebec
 - 1500 MW import
 - Replace end-of-life Highgate converter with new converter in Williston
 - Possible NYPA interconnection
 - **Will drive indeterminate VELCO system reinforcements including 345 kV upgrades**

Emerging Benefits

- Leverages existing assets, including rights-of-way and company-owned land
- Replaces/relocates aging Highgate Converter out of SHEI
- Improves overall VELCO system resiliency
 - **Includes system reinforcements identified in 2024 Vermont Long-Range Transmission Plan and other ISO-NE long-term planning studies**
 - **Will drive upgrades that increase hosting capacity for in state renewables**
- Increases interregional transfer capacity
 - Foundational element to NE-HQ energy exchanges and public policy advancements
 - Unlocks constrained renewables
- Creates investment opportunity that accelerates clean energy transition
 - Provides access to new renewable energy resources

Current Status

- Preliminary engineering and aesthetic reviews underway to evaluate viability
- Submitted \$92.7M U.S. DOE Grid Resilience and Innovation Partnerships (GRIP) Program grant
 - Advances engineering, planning, and environmental work
- Ongoing engagement with stakeholders
- Exploring NY component

