



# Our Opportunity in the Clean Energy Transition

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CanWEA Annual Conference and Exhibition

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## National Grid plc and its three pillars

# nationalgrid

### UK

## nationalgrid

- UK core regulated business
- Electric system operator
- Electric and gas transmission network owner

### US

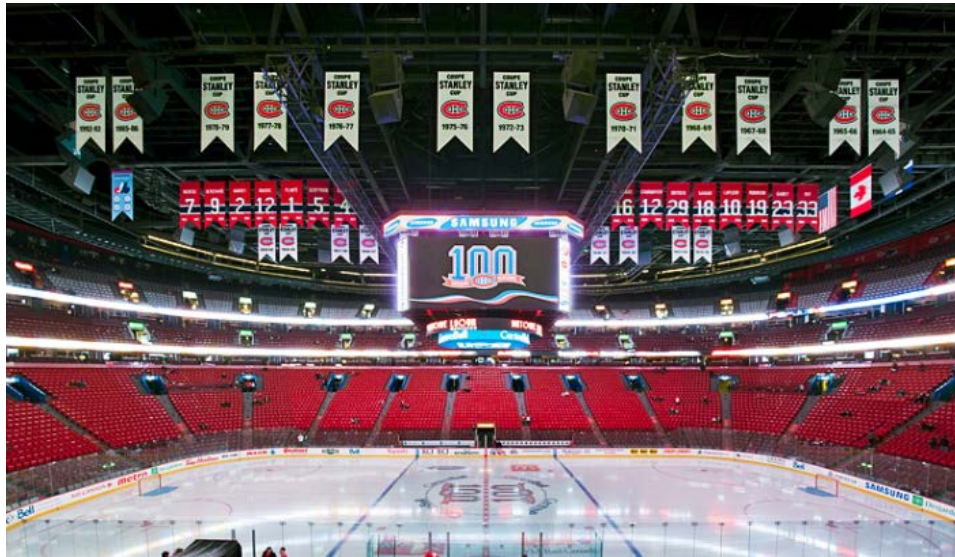
## nationalgrid

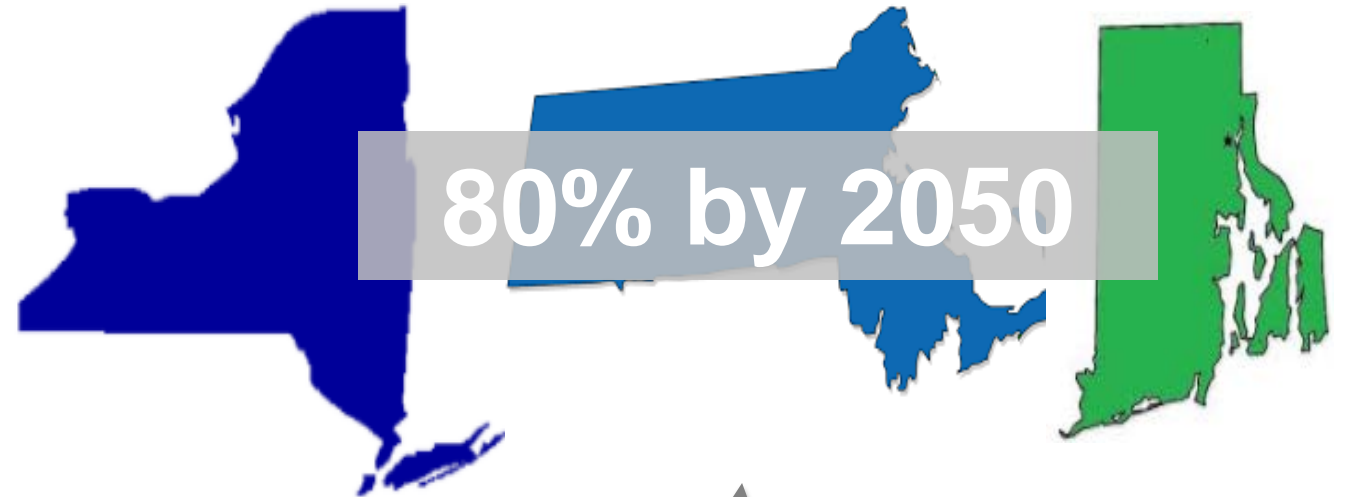
- US core regulated business
- Electric distribution service
- Gas distribution service
- Connects 20M customers: MA, NY, RI

### Ventures

## nationalgrid ventures








Since 1990, the amount of electricity generated from coal has fallen by

**81%** in **New York** and  
**72%** in **New England**

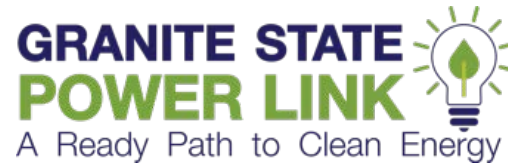


- ✓ Increased levels of distributed and new, renewable power generation
- ✓ New technologies and business models will continue transforming the energy sector
- ✓ Electricity demand will increase and so will the shape of this demand



**GRANITE STATE**  
**POWER LINK**   
A Ready Path to Clean Energy

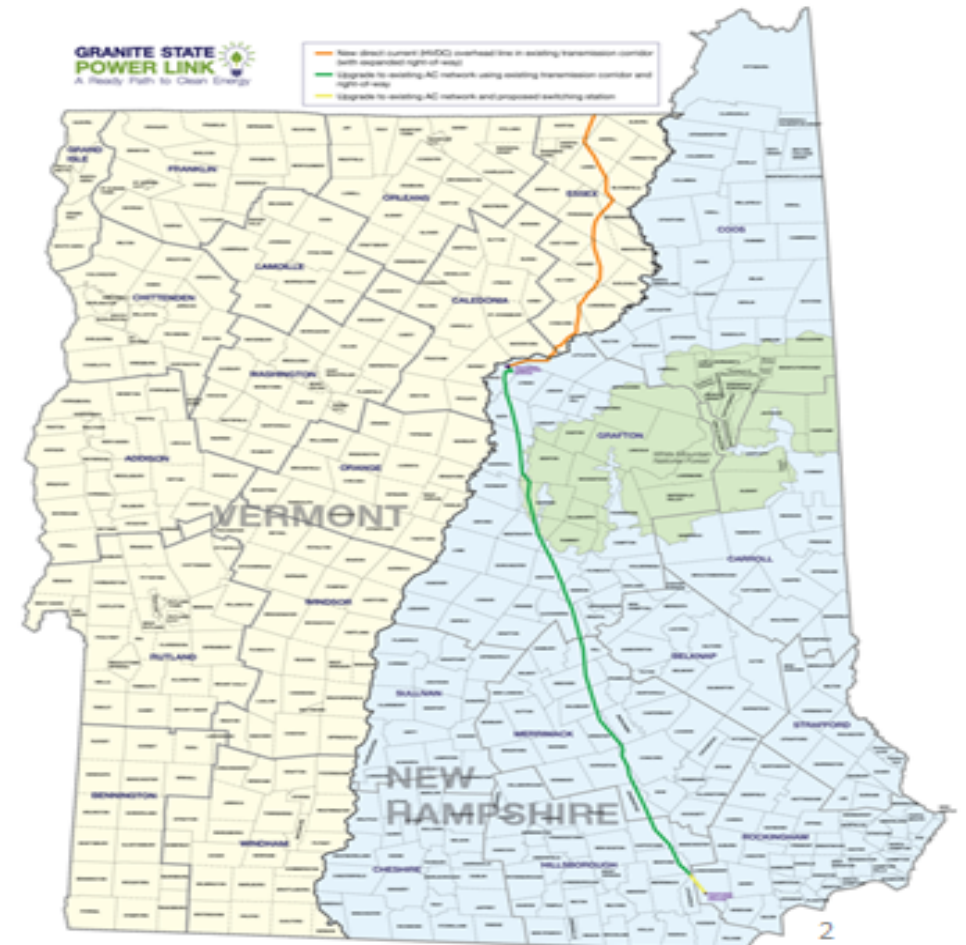




- Deliver up to 1,200 megawatts (MW) of reliable, affordable, clean energy to New England → contracted wind for MA RFP
- Approx. 168 mile from Norton, VT to Londonderry, NH

Vermont	New Hampshire
Approximately 53 miles	Approximately 115 miles
HVDC transmission line	HVDC transmission line (approx. 6 miles)
Converter Station	Converter Station
	AC transmission upgrade (approx. 109 miles)
	Switching Station

- Built in or adjacent to existing transmission corridors to:
  - Maximize the use of existing infrastructure
  - Minimize environmental and visual impacts
  - Drive down development costs
- Developed by GridAmerica & Citizens Energy (Citizens Energy, a non-profit that helps low-income families with their energy needs)

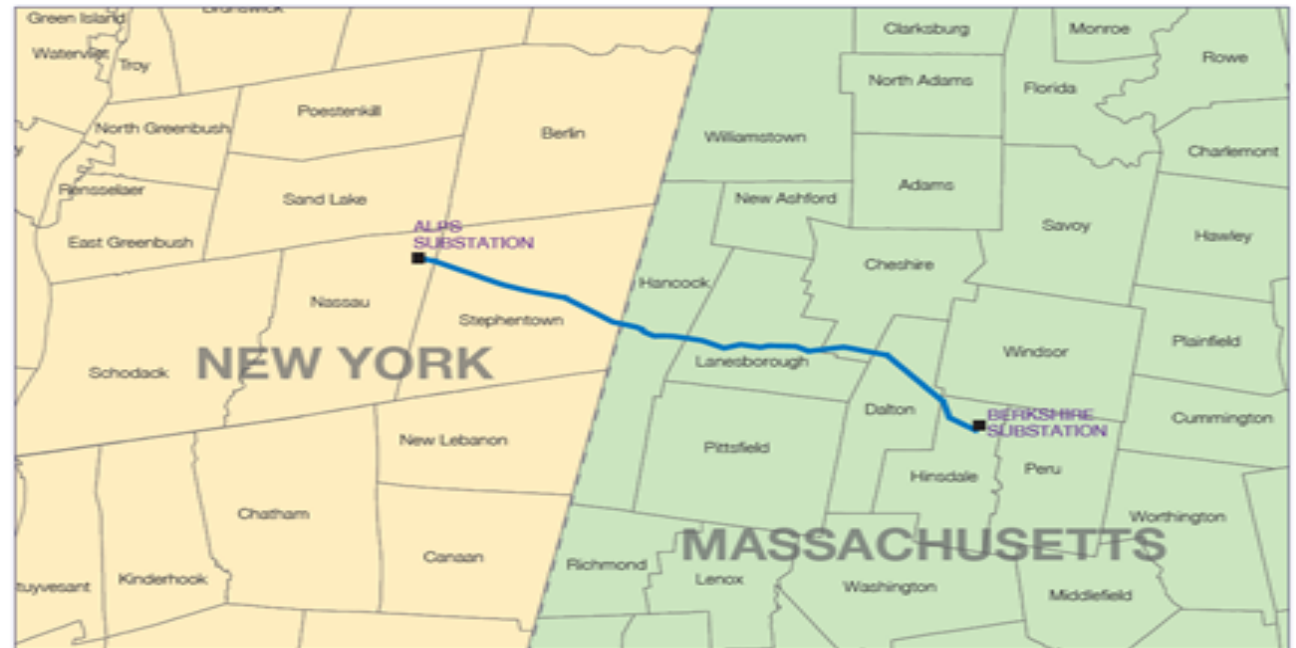




- A 23-mile 345kV transmission line from the Alps Substation in Nassau, NY to the Berkshire Substation in Hinsdale, MA with a capacity of up to 600MW of clean, reliable energy to Massachusetts.
- Construction of new line will be primarily in or adjacent to existing transmission corridors, minimizing environmental and viewshed impacts.

Developed by National Grid and Citizens Energy

State	Town	Length
NY	Nassau	1.26 mi.
	Stephentown	7.53 mi.
MA	Hancock	2.54 mi.
	Lanesborough	4.95 mi.
	Cheshire	1.92 mi.
	Dalton	3.40 mi.
	Hinsdale	1.66 mi.





- **NEW** renewable energy is a better path towards decarbonization
- **NEW** renewable energy is a triple win
- Join us in the clean energy transition by showing your support:  
**[NewEnglandCleanEnergyFuture.com](http://NewEnglandCleanEnergyFuture.com)**

# Thank you!