

Columbia/Resilience Systems Meeting 13 December 2017

1. The Long Island Power Authority (LIPA), a New York state authority, was created to manage the debt resulting from abandoning the Shoreham nuclear project.

- LIPA is radically different from other distribution utilities in New York State.
- LIPA is the monopsony buyer of wholesale energy - should they be?
- LIPA resisted implementing REV. Should they be able to?

2. Community Choice Aggregation (CCA) allows communities to buy energy for their residents in bulk.

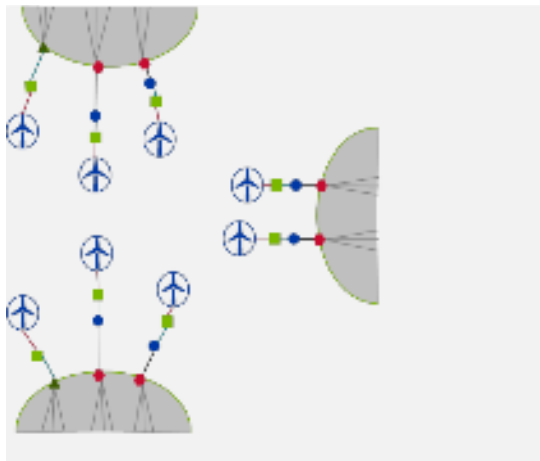
- Sustainable Westchester has successfully implemented such an energy choice program for cities, towns and villages.
- A similar (but not identical) program would allow residents on Long Island to prioritize renewable energy. It would end LIPA's monopsony.











3. Offshore wind energy is coming to New York. Will Long Island benefit?

- Governor Cuomo has made a commitment to 2.4 gigawatts of offshore wind energy by 2030.
- New York's Master Plan is due by the end of the year.
- LIPA decided to "roll their own" and has entered a non-competitive proprietary contract (with escalating prices) with Deepwater Wind. Is there a valid rationale for LIPA's approach?

4. What about resilience? Will Long Island's electric system be able to withstand and rapidly recover from future storms?

- It is time to begin to move away from our centralized electric grid and instead focus on distributed energy systems.
- But that will require new thinking regarding how to deploy offshore wind. The Europeans are working on this integration, and so are the Chinese. Can we afford to fall behind?



-  Offshore wind farm
-  Country
-  Grid connection (to the hub)
-  Grid connection (to the site)
-  Submarine cable
-  Connection to transmission grid
-  Offshore AC substation
-  Onshore AC substation
-  Offshore AC/ DC converter station
-  Onshore DC/ AC converter station

