

## **Utility-scale Geexchange Installation Considered**

The Town of Babylon is in the process of evaluating the feasibility of a utility-scale geothermal installation for Parcel A of the Wyandanch Rising redevelopment. What should the configuration be - an open or closed loop system that is centralized or a distributed system serving individual buildings? Is the economy of scale offered by common distribution headers, with maintenance centralized to a common plant offset by possible degraded performance? How might various hybrid configurations such as a reduced geothermal system supplemented with chillers/cooling towers or boilers compare? Can such a system be configured with other sources of alternate energy to create a municipally-operated microgrid that is sufficiently robust and efficient to provide savings to residents and tenants as well revenue streams for the municipality? What is the estimated energy charge for a self-sustaining utility and how does it compare to other forms of energy?

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