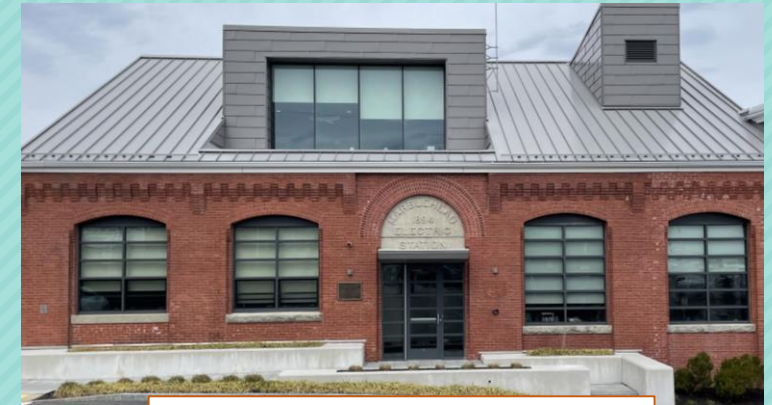


Decarbonize Massachusetts Municipalities by enabling public electric utilities to run geothermal networks

Team ENERGIZING PUBLIC POWER: NETWORKED GEOTHERMAL

Members are: **Jean-Jacques Yarmoff**, Engineer and elected Light Commission member;
Eileen Mathieu, Member of the Green Marblehead Implementation Committee;
Kurt James, Member of Marblehead Housing Production Implementation Committee;
Kevin Colcord, Management Consultant and member of the Light Commission Strategy Working Group;
Michele Bell, Member of Sustainable Marblehead;
Cathy Hoog, Executive Director, Marblehead Housing Authority and Salem Housing Authority

- Marblehead is a small seaside community in Massachusetts, trying to lower its emission of Greenhouse Gases in both municipal and private buildings. The town is located on a peninsula and subject to increasingly severe storms. This relative isolation is causing the town to explore disaster recovery options. An opportunity arises with the planned construction of a large housing development dedicated to handicapped and low-income families.
- The challenges are to provide this development with cheap, decarbonized energy for heating and cooling, while also increasing the resiliency of the community.
- The project will study the feasibility of a **Networked Geothermal system** to
 - Serve as an **Energy Storage** facility over – hours, - weeks, and – months;
 - Provide **Energy, sold as a Utility Service** to ensure a cost as low as possible;
 - Help **Regulate** the electric **Distribution Grid** and **Stabilize Consumption**.
- Marblehead Light Commission; Marblehead Municipal Light Department (MMLD)
- Sustainable Marblehead; Marblehead Fair Housing Committee; Marblehead Housing Authority



MMLD started operations in 1894, in this recently renovated building

