Geothermal Heat Pumps (GHPs): A Great Fit for New York State’s Energy Goals

Produces the Least GHG Emissions
- Highest % of renewable energy of practical HVAC systems
- Leverages NYS’s clean electric grid capacity

Reduces Summer Peak Demand
- Best HVAC option for reducing peak air conditioning demand

Improves Winter Grid Utilization
- Increases base load during non-peak winter periods

Contributes to Fuel Diversity
- Reducing State’s dependence on fossil fuels’ price volatility

Takes Shortest Path to Net-Zero Energy
- Most efficient HVAC → powered by renewable solar PV

Utilizes Energy from the Sun
- A renewable solar technology; accesses solar energy stored in the ground
- Solves the renewable storage problem - accessible 24-7-365

Applicable to All Building Types
- Can be installed in practically any building in NYS

Relies on NYS Labor: Creates & Retains Jobs
- Straightforward training for any mechanical contractor
- Great work for local drillers and excavators

Cuts Energy Bills in Half for Many NYS Buildings
- 40% to 50% savings on AC for all buildings
- Lowest operating costs for heating

Works Extremely Well in NYS Climate
- No backup heat required
- Combines space heating, AC & hot water

Heating and Cooling From the Sun to the Earth to You

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