DANSKAMMER
Isn't it Worth *GETTING* RIGHT?
THINGS WE CAN ALL AGREE ON

We want to protect everything that makes the Hudson Valley a great place to live, work and play.

- healthy environment
- healthy economy
- healthy people

We want Danskammer Point to be an asset to the local community both now and in the future.

- able to create jobs
- able to pay taxes
- not a risk to public health
Evaluating the Options

We asked independent experts to analyze how to maximize long-term economic benefits and minimizing risk to tax revenues and public health.

- **Economic Analysis**: Ghent Associates, specialists in energy industry finance
- **Site Analysis**: Penn Praxis, experts in industrial design and landscape architecture.

Both teams came to the same conclusion:

- the proposed gas plant is a **risky choice**
- a **bulk battery storage facility** is a safe, sensible, sustainable option
What makes financial sense at the Danskammer site?

Jim Guidera, Ghent Associates

- 30 years working with US and international banks focused on financing energy projects
- Expert in raising financing for both gas-fired plants and utility-scale wind and solar projects
- Teaches Columbia University course on energy project finance
DANSKAMMER
Isn't it Worth GETTING RIGHT?

JIM GUIDERA, GHENT ASSOCIATES
For the foreseeable future in the Hudson Valley, gas-fired closed cycle power generation faces numerous economic risks

- difficulty attracting financing
- uncertain revenue sources and operating margins
- regulatory and policy restrictions

Utility-scale bulk battery storage is an economically sound choice

- aligns with evolution of energy market towards renewable sources and NYS policy
- supported by numerous financial incentives
- able to built in phases
Site Analysis

Who they are:

- experts in industrial design and landscape architecture

What we asked them to do:

- evaluate the suitability of the site for beneficial alternative uses
- develop a design for a possible utility-scale battery storage installation
Where could a battery storage facility be located?

Nate Wooten, Penn Praxis
- Registered Landscape Architect and Architect
- specialist in large park and environmental planning projects that integrate complex infrastructure
- teaches large site design and regional planning at University of Pennsylvania
DANSKAMMER
Isn’t it Worth GETTING RIGHT?

NATE WOOTEN, PENN PRAXIS
How would a battery storage facility be designed?

Nick Pevzner, Penn Praxis
- teaches Landscape Architecture in the school of design at University of Pennsylvania
- expert in landscape impacts of renewable energy projects
DANSKAMMER
Isn't it Worth GETTING RIGHT?

NICK PEVZNER, PENN PRAXIS
Danskammer Clean Energy Transition Facility

- suitable for up to 190 MW capacity
- eligible for financial incentives
- buildable in easy-to-finance phases, each supporting up to 25 construction jobs
- taxable capital investment of up to approximately $115M
Environmental Factors

What impacts would the proposed plant have on public health?

David O. Carpenter, MD

- Director of the Institute for Health and the Environment, University at Albany
- Professor of Environmental Health Sciences, University at Albany
- MD from Harvard Medical School
Dr. Carpenter’s findings

- Air pollution from the existing Danskammer plant is already increasing risk of respiratory, cardiovascular and neurologic disease in nearby residents.
- The proposed new plant will significantly increase release of air pollutants and will result in increased disease.

Data from Danskammer Energy Article 10 Application to the New York State Siting Board on Electric Generation and the Environment, filed December 11, 2019.
Environmental Factors

Increased greenhouse gas emissions accelerate climate change, threatening the health and well-being of people in the Hudson Valley:

- more extreme weather
- warmer temperatures
- degradation of air and water quality
- sea level rise/increased flooding
- adverse impact to tourism, farming and forestry industries

**Annual Greenhouse Gas Emissions**

- Current Plant: 1,954,952 tons
- New Plant (Projected): 47,304 tons

*Data from Danskammer Energy Article 10 Application to the New York State Siting Board on Electric Generation and the Environment, filed December 11, 2019.*
DANSKAMMER
Isn't it Worth GETTING RIGHT?