Steven Winter Associates, Inc.

WINTER GREEN

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WinterGreen is a monthly publication from **Steven Winter Associates** designed to keep you updated on the latest news and information regarding energy efficiency, sustainability, and high performance buildings.

NGBS GOLD CERTIFIED

The Sound at Gateway Commons brings much needed multifamily housing to East Lyme, Connecticut. The development provides 280 workforce rate apartments in ten buildings clustered community style and set into wooded green space. Following the National Green Building Standard (NGBS) under the Green Multifamily Building Certification program and CT Residential New Construction program for energy efficiency, Steven Winter Associates, Inc. (SWA) successfully guided five completed buildings to NGBS Gold certification and significant energy savings. The same distinguished level of certification is anticipated for the remaining five buildings still under construction.

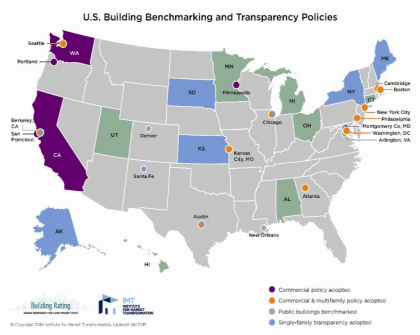
The Sound at Gateway Commons

The complex's comprehensive sustainable design is visible both indoors and on the property grounds. Standout sustainability features include a high-efficiency natural gas fueled tankless boiler, advanced building envelope sealing, and a thorough stormwater management plan.

Read the complete project profile here. Contact Carmel Pratt for more information.

ENERGY BENCHMARKING POLICIES

According to the Institute for Market Transformation (IMT), fourteen cities, two states, and one county in the U.S. now have energy benchmarking and transparency policies in place for large buildings. This means that more cities and jurisdictions will have an understanding of how their buildings perform. It also means that these policies and their outcomes can be compared against each other and ultimately, buildings will be improved.



States with benchmarking policies

How can the data be analyzed, and what impacts do the policies themselves have on building energy usage, greenhouse gas emissions, and the local economies?

SWA worked with teams from Navigant Consulting, Inc. and US DOE to review data from two jurisdictions and develop methodologies for analysis. In New York City's case, the teams found that energy usage has dropped each year Local Law 84 (NYC's benchmarking legislation) has been in place, and as a result, economic activity has increased. The analysis also saw related drops in greenhouse gas emissions, as well as a large shift away from heavy oils to natural gas as a result of the city's #6 oil ban (Local Law 43).

Read the full blog article. Contact Adam Szlachetka for more information.

MICROGRID RESEARCH GRANT

Westchester County's Village of Mamaroneck is among 83 New York communities to be awarded $100,000 by the New York State Energy Research and Development Authority (NYSERDA) to conduct a microgrid feasibility study. As part of Governor Andrew Cuomo's "Reforming the Energy Vision" strategy, this research grant represents the first of three potential funding opportunities for Mamaroneck under the NY Prize Community Grid Competition.

SWA's Lois Arena with project team

Steven Winter Associates, Inc. (SWA) worked with a diverse team to develop the winning proposal submissions, including technical and leadership support from SWA, development experience from Murphy Brothers Contracting, advising from Mamaroneck town leaders, and backing from NYS Senator George Latimer. The team's vital technical expertise came from Spirae, Delta, and Intelligen who offer years of successful microgrid experience in the areas of controls, distributed energy resources and energy storage. SWA's Mamaroneck project proposal was chosen among a pool of more than 130 submitted statewide.

The community microgrid is intended to provide power to critical facilities in the Village in the event of a power outage, but can also operate as a standalone energy system independent of the main grid. The proposed design integrates renewable power with other advanced energy technologies to create a cleaner, more affordable, and more resilient localized energy grid. As much of coastally located Mamaroneck is situated in a FEMA mapped flood plain, availability of independent electricity is vital in the event of natural disaster or other extreme weather conditions. Additionally, installation of community scale microgrids can help to offset peak energy demands, lessening the overall strain on statewide electric infrastructure.

NEW YORK STATE OF OPPORTUNITY. | NY Prize

For more information on the Mamaroneck project, the NY Prize Community Grid Competition, or micro-grid technology, contact SWA Senior Mechanical Engineer Lois Arena.

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