



# TOWN OF WILTON SCHOOLS



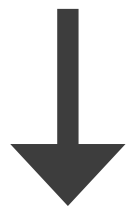
Wilton's multi-building solar installation, is among the largest solar projects to be funded by the Connecticut Green Bank (CGB). It is the lowest cost power purchase agreement (PPA) to be issued by the CGB.

In support of this Wilton Energy Commission initiative – MHR prepared a solar master plan, developed the request for proposals (RFP), and is managing the installation of systems. Phase I includes three schools: Miller-Driscoll, Cider Mill, and Wilton High School. The fixed-price PPA provides for a 78% reduction in electrical cost with no maintenance obligations. Collectively, these solar installations will offset an estimated 806 tons of carbon annually.

Unique features include an advanced electrical design to support additional solar panels in the future. Reflecting MHR's mission to educate, there will be energy-tracking kiosks located in each lobby to promote project-based learning.

**1,025,000 kWh**  
RENEWABLE ENERGY  
ANNUALLY

**78%**  
COST  
REDUCTION



SAVING OVER  
**\$2.5 MILLION**  
in taxpayer dollars

\*Estimated savings over the 20-year term

# PHASE I: Solar Systems on Three Schools



## MIDDLEBROOK

301 kW (DC)  
COMPLETE



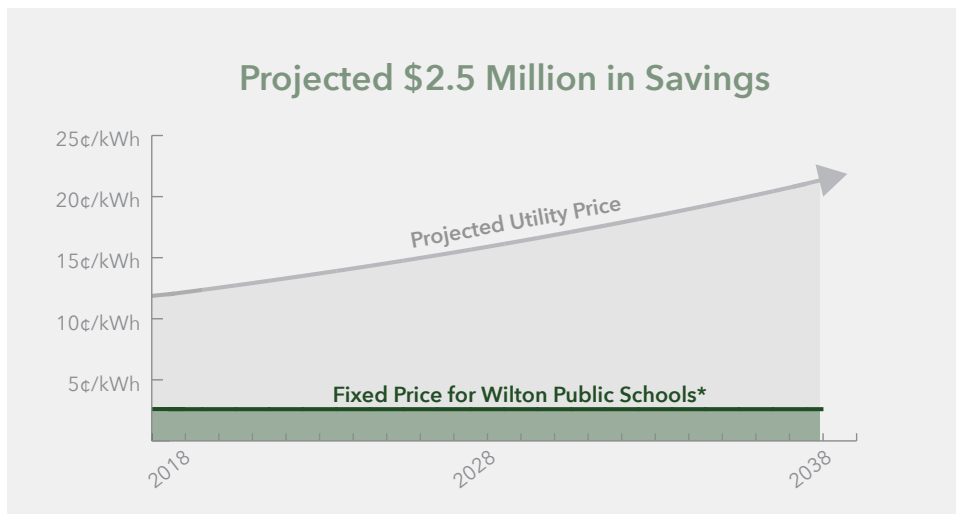
## WILTON HIGH SCHOOL

286 kW (DC)  
UNDER DEVELOPMENT



## MILLER-DRISCOLL

305 kW (DC)  
COMPLETE



The solar systems incorporate advanced DC optimization technology that increases production and provides module-level monitoring to ensure peak efficiency. As the sun's intensity changes throughout the day, inverters and optimizers adjust panel voltage and current to achieve maximum power.

\* 2.6 ¢/kWh is the average of the three schools (Miller-Driscoll 2.1 ¢/kWh; Middlebrook 2.3 ¢/kWh; Wilton High School 3.6 ¢/kWh)

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*The Wilton School Solar Project will add economic and quality of life benefits to the Town of Wilton for the next 20 years. This multi-building installation required skilled project management and solar expertise. Mark Robbins navigated all the processes of the Connecticut Green Bank, Eversource Energy, and the town departments to successfully deliver the first two schools on-line.*

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Debra Thompson-Van  
Chair  
Wilton Energy Commission