PARK AVENUE ELEMENTARY CASE STUDY

Park Avenue Elementary School in Danbury, Connecticut, installed a 131kW Kingspan Energy solar photovoltaic system in November 2012.

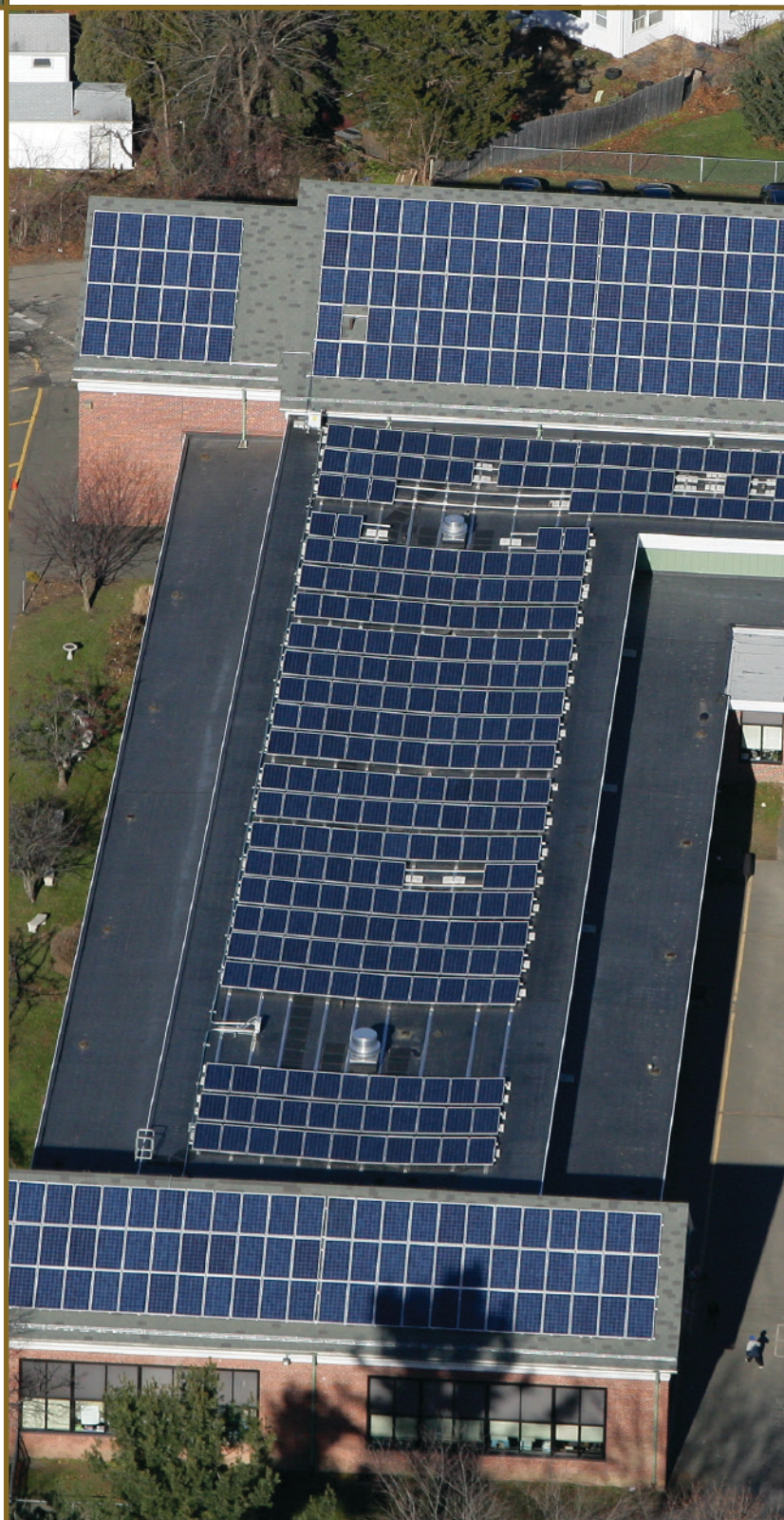
PROJECT SUMMARY

Schools have been identified as having one of the highest carbon emission rates and by installing solar systems they are most likely to reduce their carbon footprint by huge margins.

Schools can act as societal examples by educating pupils on environmental responsibility thus bringing up an environmentally conscious generation.

Kingspan Energy has beeen focussing on the education sector by installing solar systems for schools, generating major cost savings for these schools, municipal budgets and taxpayers.

Park Avenue Elementary School is one of the latest and leading examples of our work in this sector.

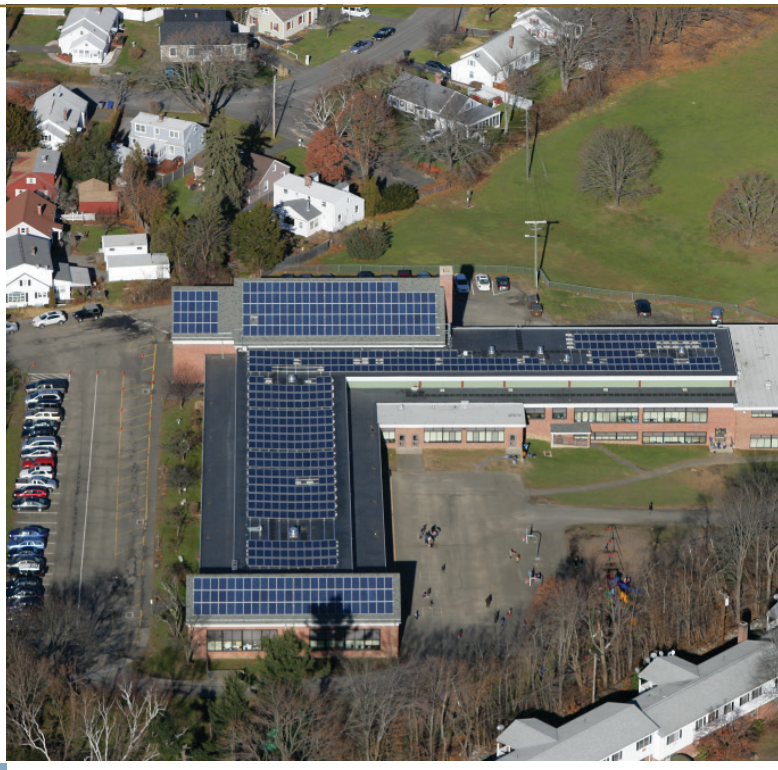


SYSTEM PERFORMANCE

Park Avenue Elementary School's solar system consists of 584 Schuco 235W monocrystalline PV modules connected to three Solectria inverters that convert the photovoltaic output circuit's direct current (DC) into usable alternating current (AC).

The system generates electricity every day, adding up to over 135,278kWh per year. In the 23 months since commission the system has generated 325,823kWh –12% more than originally projected.

This system offsets approximately 40% of the school's facilities annual electricity needs.



PROJECT CARD

Building owner: Park Avenue Elementary School

Location: Freehold, NJ

System size: 210kW

Project type: New Build

Industry sector: Education

Completion date: September 2013

Installation time: 6o days

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