LUMI•SOLAIR®
a duggal company

August 29th, 2011

Lumi•Solair, Hybrid Streetlights in New York City Shine on Throughout Hurricane Irene

Aug 29, 2011: Hurricane Irene struck the east coast a few days ago with wind speed over 50 miles per hour. The first thing it brought down was power lines across several cities, leaving more than 3 million people without electricity. This is the precisely the kind of crisis that the engineers of Lumi•Solair, the company in New York City that manufactures hybrid solar and wind streetlights had designed their lightpoles for. Their Lumi•Solair light poles installed in New York City, remained fully operational throughout the twister's fury. Lightpoles connected to the grid went out, the hybrid wind and solar powered Lumi•Solair lightpoles shined on. Lumi•Solair poles do not require any connection to the conventional grid through power lines and therefore can generate power on their own even if there is a complete shut down of electricity in any area.

The first call Baldev Duggal, the founder of Lumi•Solair made after the Hurricane had passed, was to his engineers to check how the Lumi•Solair lightpoles held up during the onslaught. He wasn't surprised to hear that each one of the light poles had worked without fail during the storm and no components had suffered an ounce of damage. "We started Lumi•Solair to bring to market renewable energy solutions that can get us off our dependence on oil. But I am so proud today to see that what we have created is not only a fully self-sufficient light pole that is powered by renewable energy, but also a pole that can provide the essential service of electricity to communities affected by extreme weather patterns."

Lumi•Solair poles have a solar panel installed on top of their arms and a vertical axis wind turbine on the top to generate 24/7 electricity. Because the solar and wind technologies work in tandem, there is enough power generated to light up the LED arm for seven days straight, from just a few hours of charge. Lumi•Solair's in fact generate more power than the lightpole will ever need, opening up a vast set of possibilities for using the extra electricity to run security and other communication systems right from the pole. Urban planners, real estate developers, utilities and all others who invest in public infrastructure ought to consider the Lumi•Solair lightpoles both as an insurance against the increasingly volatile weather patterns that render our public infrastructure extremely vulnerable as well as a significant capital expenditure reducing investment that is also environmentally responsible. A smart clean technology product is one that mitigates GHG emissions; uses minimal resources in its engineering, can perform better than its conventional counterpart and runs on renewable energy. Lumi•Solair has proven its prowess in all these areas with the Hurricane Irene just confirming its ingenious engineering and relevance.



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