

DSM Opens Solar Field At Plant In Belvidere, New Jersey

DSM Anti-Reflective Coating Technology to Increase Solar Power Output



BELVIDERE, N.J., Dec. 10, 2014 /PRNewswire-USNewswire/ -- Today, Wednesday, December 10, 2014, DSM, in partnership with GeoPeak and Marina Energy, opened a solar field today at their plant in Belvidere, New Jersey. In an event for local dignitaries, employees and business executives to switch on the solar field, DSM North American President Hugh Welsh highlighted the benefits of the solar field on the Belvidere plant's energy consumption, the positive impact on the local community's electric grid, DSM's energy leadership in New Jersey and the impact the renewable energy source will have in reducing carbon emissions, furthering DSM's commitment to sustainability and climate change goals.

The solar panels were glazed with DSM's proprietary KhepriCoat® anti-reflective glass coating, the company's flagship product for the solar market. The coating is applied to the cover the glass of the solar modules and strongly reduces the reflection of sunlight. This increases the energy output of these modules up to 4%, improving the efficiency of solar modules and reducing the cost of the energy produced.

- The Belvidere solar field project is a 6 Megawatt solar generation facility that will provide approximately 6,437,020 kilowatts annually. This will produce approximately 30-40% of the Belvidere plant's electricity needs at peak production.
- The Belvidere solar field also offsets CO₂ emissions from the grid by more than 4,563 Metric Tons annually.
- In order to accommodate the field, nearly 100 trees were removed. Those trees have since been replanted and can be viewed on site.

According to Hugh Welsh, President of DSM North America, "This new solar field and the electricity it will generate for the plant stands as a symbol of DSM's commitment to sustainable manufacturing. DSM North America is headquartered in Parsippany, New Jersey, and is actively using renewable energy sources in its manufacturing operations to meet its own and its customers' supply chain sustainability goals to make our local communities in New Jersey greener. DSM is proud to partner with GeoPeak Energy, a prominent solar solutions company and Marina Energy, who financed, owns and will operate the system. These two New Jersey companies helped us to develop and build this solar project and save DSM more than \$290,000 annually in electricity costs."

"The DSM solar project in Belvidere, New Jersey, is one of the largest solar installations globally at a supply chain site, and is a testament to supplier sustainability. In New Jersey, it is in the top five largest commercial on-site solar projects completed in 2014," said AJ Javan, Managing Partner of GeoPeak Energy. "With DSM's commitment and support, we developed and delivered this solar project with safety first and in record time. We paired Marina Energy to this project for financing, as part of our turnkey offering to DSM."

"Marina has been proud to work with our partners, DSM and Geo-Peak Energy, on this important New Jersey project. Solar-power is a cost-effective method to generate sustainable energy and significantly lessens the dependence on the electric grid thus reducing greenhouse gas emissions," said Stephen Poniatowicz, Senior Vice President and Chief Operating Officer of Marina Energy.

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