



WASTEWATER DIVISION



Middlesex County and MCUA Join for Solar Project Ribbon-Cutting

Freeholder Director Rios Heralds County-MCUA Partnership

Last month, Middlesex County Utilities Authority officials, including Commissioner Joseph Juliano and Executive Director Richard Fitamant, were joined by Middlesex County Freeholder Director Ronald Rios, Freeholder Deputy Director Carol Bellante, and Freeholder Charles Kenny to cut the ribbon on the MCUA's new solar panel installation located behind the Administration Building.

In addition to this installation, there is a second, larger installation near the Wastewater Treatment Plant. Combined, the two installations cover approximately 25 acres and include nearly 14,000 individual panels. These solar panels will produce enough electricity to power the Administration Building, the Edison Pump Station, and the nearby Middlesex County Fire Academy – as well as supplement

the power needs of the MCUA's Central Treatment Plant.

The expected energy savings from the solar panels is approximately \$1.5 million.

"These panels should not only be seen as a source of clean, reliable natural energy, but also as a symbol of the many partnerships between the County and the MCUA," said Middlesex County Freeholder Director Ronald G. Rios. "By working together, we can keep the County clean, green, and using its energy wisely."

"Diversifying our sources of green energy is a major step forward for the Middlesex County Utilities Authority, but it is also consistent with our founding mission," said MCUA Executive Director Richard Fitamant. "Protecting Central New Jersey's environmental resources is at the heart of everything we do. Solar will now be an important part in our work to continually reduce our carbon footprint, identify efficiencies, and control costs."

"The County has increased its efforts to not only preserve space, but also to find safer and cleaner sources of energy for the places we do need it," said Middlesex County Freeholder



Left to right: Alan Litt and David Rosenblatt of Power Grid Capital, MCUA Executive Director Richard Fitamant, MCUA Commissioner Joseph Juliano, Freeholder Director Ronald Rios, Freeholder Deputy Director Carol Bellante, and Freeholder Charles Kenny cut the ribbon at the solar panel field behind the Administration Building.

Deputy Director Carol Bellante, who is the County's Freeholder liaison to the MCUA. "[This] marks a great stride in that direction: where these panels will use the light of the sun to give energy to four critical facilities."

Power Grid Capital constructed the installation, which was overseen by the MCUA's engineer, Hatch Mott MacDonald.



Middlesex County Freeholder Director Ronald Rios talked about the importance of the County's partnership with the MCUA.



The larger of two solar panel fields at the MCUA.

Wastewater Division

October 2015 Statistics

- Average Influent flow – 91.66 mgd
- Average Effluent TSS – 16 mg/l
- Average Effluent BOD – 14 mg/l
- Biosolids production – 12,647 wet tons, a 4.8% decrease over the five-year average. The dryers were shut down on 10/29/15 for fall maintenance. Approximately 11,965 tons were processed through the dryers. The remaining 682 tons were lime stabilized and disposed out of state.

**Rainfall for the month was 3.83 inches as measured at the plant.*



Middlesex County Freeholder Deputy Director Carol Bellante emphasized the importance of collaboration and environmental protection.

Solid Waste Division

October 2015 Tonnage Figures

	Monthly Tons	Cumulative Tons
2015	48,135	467,065
2014	46,763	448,755

An average of 242 trucks hauled a total of 1,783 tons of waste to the landfill facility each day.