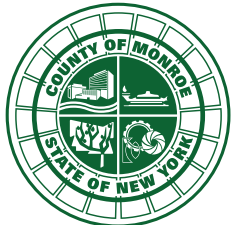


Monroe County operates a number of facilities that enhance our ability to produce sustainable energy locally, reduce our environmental impact, and decrease our reliance on non-renewable fuel sources.



CHERYL DINOLFO
COUNTY EXECUTIVE

SOLAR PROJECTS

Spanning nearly 30 acres, Monroe County's 13 megawatt solar project is Western New York's largest municipal solar installation. An 8.6 megawatt solar power facility is located at the Northwest Quadrant Water Resource Recovery Facility in Hilton and a 4.8 megawatt solar power facility is in Penfield.

Solar energy generated on site is distributed to the grid, ultimately powering homes and businesses, while providing renewable energy credits to offset power use at Monroe County facilities.

These solar energy parks required no taxpayer dollars, as the installations are owned and operated by a private contractor. It is estimated that Monroe County's solar power facilities will provide an incredible \$7.3 million savings in energy costs over 20 years.

WASTE TO WATTS

Mill Seat Landfill opened in 1993 in the Town of Riga, providing cost effective and environmentally sound disposal capacity to residents, businesses, and institutions of Monroe County. Today, Waste Management operates the facility, which continues to serve the local community. Over 90% of the waste managed at Mill Seat is generated in Monroe County, with the remainder coming from adjacent counties.

As waste decomposes in a landfill, a natural by-product is landfill gas. The gas, primarily methane, is captured and collected through a series of wells that are drilled into the landfill. At Mill Seat there are over 130 landfill gas wells that are actively maintained and monitored by technicians. The methane gas is transported first to a gas scrubber, which extracts moisture and filters out particulates, and then to a compression facility. Finally, the gas is used to fuel engines to produce electricity. Mill Seat's Renewable Energy Facility was built in 2007 and today the eight (8) engine plant generates 6.4 megawatts of power, which is enough energy for 6,000 homes. This alternative power source offsets the impacts of electricity generated by burning fossil fuels.

The benefits of utilizing landfill gas are both proven and compelling. Landfill gas is a clean-burning energy-source that is generated close to the end-user. Monroe County and Waste Management share landfill gas rights, meaning that after renewable energy is sold to the grid, taxpayers benefit from the revenue. Since 2007, this has amounted to over \$10 million.



monroecounty.gov/sustainability