At the University Area Joint Authority, building a sustainable business model has been a leadership priority for many years. Providing wastewater services for more than 50,000 people in Central Pennsylvania, the Authority was interested in using solar energy. RETT EW introduced the Authority to a third-party funding and operations partner, PACE Energy, LLC. Working together as P3 partners, RETT EW led the team in developing the specific financing package, and recommended integrating a photovoltaic/solar array and battery energy storage system. RETT EW designed the array and storage system, which together provide for frequency regulation of the PJM grid, ensuring cleaner power for the region and the local electric grid.

These projects have improved the region's overall sustainability and will help keep utility rates stable. The projects also provide a cleaner energy supply, reduce the Authority's carbon footprint, and increase community resiliency during natural disasters and power outages.

Integrating the solar array and battery energy storage system into the Authority's electrical system and regional grid required careful engineering and analysis. For the solar array, among the ten largest in Pennsylvania, RETT EW managed many logistical challenges in procuring the panel supply, and navigated trade tariffs and other restrictions that impacted the schedule and system design.

RETTEW helped the owner, PACE Energy, LLC, realize its goal of funding sustainable energy projects, while also assisting a major municipal infrastructure organization in achieving its own sustainability objectives.