

The Greater Egg Harbor Regional High School District is Going Solar!

ARMM Associates, Inc., of Cherry Hill, NJ, recently executed a 7.3 MW DC Solar +Storage Power Purchase Agreement for the Greater Egg Harbor Regional High School District in Mays Landing, NJ. The Solar +Storage solution will save the district more than \$14M in electricity costs over the course of the 15 year contract. Once installed, the solar arrays will displace more than 6,138 tons of carbon dioxide annually, equivalent to offsetting carbon emissions from more than 1,300 passenger vehicles per year or planting over 100,000 trees. The Greater Egg Harbor Regional High School District will soon become a regional leader in promoting environmental stewardship alongside students, teachers, and parents in Atlantic County.

Greater Egg Harbor Regional High School District is comprised of three high schools servicing almost 3,300 students from 6 sending districts in Atlantic County, NJ. The three high schools are Oakcrest High School in Mays Landing, Absegami High School in Galloway Township, and Cedar Creek High School in Egg Harbor City.

The award was made to 127 Energy, LLC, a solar and energy storage development and finance company from Clinton, NJ. The 127 Energy founders have completed more than 1,300 solar and energy storage projects across the full spectrum of project profiles and site configurations. Each partner has more than 20 years' of renewable energy generation and storage solution design, manufacturing, development, policy, and finance experience. The firm has worked with many schools and commercial entities developing similar solutions since its inception in 2016.

"We couldn't be more excited about blending sustainability and affordability across our District schools. The expansive benefits of this project will be enjoyed by our community for many years to come," says John Keenan, Superintendent at the Greater Egg Harbor Regional High School District.

The PPA that was awarded in February 2019 includes the installation of 7.3MW DC of solar and energy storage solutions at all 3 schools, including a state-of-the-art energy management system to overcome grid deficiencies at Absegami and Oakcrest.

The project includes 250,000 sqft of new roof at Absegami (an approximate 5.5-million-dollar project) and upgrades to Atlantic City Electric's grid circuit feeding Absegami. The entire solution requires no capital outlay by the district. No increase to property taxes for Galloway, Hamilton, Mullica and Egg Harbor City residents.

The award is the culmination of more than 2 years of planning by school administrators, members of the GEHRHSD Board of Education and the design team at ARMM Associates. The process began with discussions about energy efficiency measures and onsite solar generation as a way to save energy and save money for the district.

The team at ARMM Associates researched alternative approaches to overcome the obstacles and settled on a comprehensive solar design along with an energy storage and management system. The solution enables the district to not only install a mix of rooftop, ground-mount, and carport canopy solar at the three locations, but to literally maximize production to the point that the solution is anticipated to offset over 90% of the nearly 10 MWhrs of electricity that the district currently uses on an annual basis.

"Greater Egg Harbor Regional may be the first public school in NJ to deploy an energy storage solution to this degree," said Michael Rubright, Director of Business Development at ARMM Associates. "We are proud to be

working with the Board and the Administration at the district who share our vision for more sustainable communities. Big ideas require big changes, and this endeavor will have a long lasting impact on the Greater Egg community and empowers its students to think big as well.”

About 127 Energy

127 Energy specializes in the development, financing, construction, and operation of distributed, high-performance clean energy systems for businesses as well as governmental and public entities. The 127 Energy team is committed to reliable renewable power generation and integrated energy storage.

“127 Energy is proud to partner with the Greater Egg Harbor Regional High School District and help redeploy energy savings into other important programs and services. Our team looks forward to a long relationship with the District over the lifetime of the projects,” said Pierre Moses, President of 127 Energy.

About ARMM Associates, Inc.

ARMM Associates, Inc. is an architectural firm specializing in roofing and energy solutions. Founder Frank J. Moore, R.A., AIA, has served on roofing design specification development and compliance boards over the years, and as an architectural firm, ARMM has provided services nationwide and internationally in performing monumental design projects for the likes of the Smithsonian Institute and the Everett Dirksen Senate Office Building in Washington, D.C., as well as full spectrum building damp-proofing consulting services for the Parliament House in Canberra, Australia. In addition to these high profile projects, ARMM has performed services for innumerable municipalities, public and private school districts, and higher education facilities throughout the region, including numerous solar energy PPA projects with school districts in NJ.

June 2019