



Teaching the Future While Lowering Costs

Noor-Ul-Iman school in Monmouth Junction, NJ shapes future generations. Serving students from pre-kindergarten through twelfth grade, the school has a “green” initiative that involves the children in activities like planting trees, recycling and more. Going solar fit perfectly—not only to bring awareness to the students, but to lower the very high HVAC costs to run the school. That’s when Direct Energy Solar stepped in—to build a trusting relationship, lower energy costs, and install a system that could be seen first-hand.



80%

Electricity Offset
with Solar Power



86%

Reduction in
Energy Costs



\$949,300

Projected Savings
Over 25 Years

System Description			System Size	System Production	Environmental Benefits
648 LG 360 watt panels	8 SMA inverters	Carport	233.8 kW	278,778 kWh annually	72.3 tons of waste recycled instead of landfilled each year ¹



Noor-Ul-Iman School

Monmouth Junction, NJ

Noor-Ul-Iman School Needed to Lower Its High HVAC Costs

The Noor-Ul-Iman School (NUI) is a non-profit organization educating and inspiring students from pre-kindergarten through twelfth grade. Established in 1993, NUI focuses on providing students with the knowledge and skills they need to succeed in college and is extremely proud of its 100% college attendance rate post-graduation.

With all of that brain power, NUI's HVAC system uses a lot of electricity (348,908 kWh a year!) to maintain a temperature conducive to learning. As a parent of students attending NUI, Helmi Saud became an advocate for the school going solar to both lower the school's energy costs and bring environmental awareness to the students. Schools are perfect candidates for solar power, as they provide tremendous opportunities for experiential learning and give students a first-hand look at taking positive steps for the environment.

Direct Energy Solar's Custom Solution

For NUI's parents, teachers, and administrators, it was important that they had a trusting relationship with their solar installer. They actually began the project with another company; after several issues arose, the school decided to switch solar companies and selected Direct Energy Solar because **the team was trustworthy, competent, and knowledgeable**. In addition, Direct Energy Solar had a long-term presence and could **stand by their work** by providing a **10-year workmanship warranty and 10-year production guarantee**.

The Results

Direct Energy Solar designed their system as a carport that generates energy during the day; at night, the underside lights up with LEDs to provide a safe environment for the staff as they leave in the evenings. In addition, NUI is installing car charging ports that use energy generated by the solar panels—what a great way to further expand their “green” initiatives!

NUI purchased their system through the PSE&G Loan Program and fund their payments by utilizing both the electricity savings and the Solar Renewable Energy Credits (SRECs) that their system generates. Going solar enabled them to reduce their energy consumption by 80% and the electricity generated from their system has a 25-year average cost of \$.022/kWh versus \$.155/kWh—an 86% reduction in electricity costs! Their total solar investment is projected to save them \$949,300 over 25 years, which is a lot of money to reinvest into their students' education!



“Noor-Ul-Iman School's solar system is performing 20% over what was promised. Every dollar the school has to pay the utility company for electricity is one less dollar the school can pay a teacher to provide an education to students. Going solar has allowed us to reinvest the cost savings into our teachers and learning environment.”

HELMI SAUD | Parent & Solar Advocate for Noor-Ul-Iman School



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Offers and financing are available to customers who qualify, vary by location, and are not available in all areas. We customize our solar power system specifically for your facility, therefore, pricing, savings, utility bill, solar bill amounts and actual returns vary based on different factors including but not limited to your location, system size, available solar incentives and local utility rates. See terms and conditions for more details. CA CSLB 992952, CT HIC 0628993/ELC 0200988-E1, DC HIC 420216000150/ELC EM902554, MD MHIC No. 132642, MA HIC 168228/ELC 21555, NJ HIC 13VH05618900/ Electrical Contractor Bus. Permit # 34EI01175700, Suffolk 54817-H/51050-ME, Nassau H2409670000, Westchester ELC 1753/1750, Putnam HIC PC6168, Orange ELC 494, Rockland H-12400-40-00-00, PA HIC PA023535, RI Registration Number 39880 © 2018 Direct Energy. All Rights Reserved.