

# Powering a Community



Masjid Al-Wali is a mosque and community center in Edison, NJ that organizes a variety of religious, social, and recreational activities for its members. By going solar, Masjid Al-Wali lowered the electricity costs needed to run their events and also brought environmental awareness to its members. In fact, the system designed and installed by Direct Energy Solar generates 100% of the community's energy needs, allowing Masjid-Al-Wali to focus on its members instead of electricity bills!



**100%**  
Electricity Offset  
with Solar Power



**126%**  
Reduction in  
Energy Costs



**\$202,000**  
Projected Savings  
Over 25 Years

System Description			System Size	System Production	Environmental Benefits
155 Canadian Solar 320 watt poly silver panels	8 SolarEdge inverters	Ballasted Roof Mount	49.6 kW	63,091 kWh annually	15.6 tons of waste recycled instead of landfilled each year <sup>1</sup>





# Masjid Al-Wali

Edison, NJ

## Masjid Al-Wali Needed to Power a Community

Masjid Al-Wali is a non-profit organization in New Jersey which engages exclusively in religious, educational, and community activities among a growing, diverse community of all ethnic backgrounds. Operating as both a mosque and a community center, Masjid Al-Wali hosts a wide variety of events and activities that require a lot of electricity [60,589 kWh a year!]. As a member of Masjid Al-Wali, Helmi Saud recommended that the community install solar power to lower their operating costs and reduce their environmental impact.

## Direct Energy Solar's Custom Solution

Masjid Al-Wali chose Direct Energy Solar because Helmi worked with the company on another solar project, and he was extremely pleased with his overall experience. Helmi was especially impressed with the sales, project management, and operations personnel—**the team was trustworthy, knowledgeable, and went above and beyond** to ensure he and the rest of the community were satisfied with the project.

## The Results

Masjid Al-Wali's motivation for going solar was more of an effort for the building to go green than to save money on electricity. However, with all of the daily activities that take place in the building, the community no longer has to worry about utility bills. The solar system designed and installed by Direct Energy Solar currently generates 100% of the community's energy needs!

Masjid Al-Wali 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. The electricity generated from their system has a 25-year average cost of  $-\$0.040/\text{kWh}$  versus  $\$0.155/\text{kWh}$ —a 126% reduction in electricity costs! Their total solar investment is projected to save the community \$202,000 over 25 years, which is a lot of money to power all of their important events and activities!



“ The President of Masjid-Al-Wali installed solar on his home, so he was familiar with the environmental and financial benefits of generating your own energy from the sun. We wanted to have an even bigger impact and bring awareness to the members of our mosque—both of the benefits of solar energy and of working with Direct Energy Solar! ”

HELMI SAUD | *Solar Advocate and Member of Masjid Al-Wali*



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