Aged Mineworkers Charity Saves Money with Solar

CHALLENGE

Install Enphase Microinverters in the North East for the residents of registered charity NAMHA.

SOLUTION

Provide a PV solution to over 39 sites to achieve optimum ROI, reliability, and safety.

RESULT

Enphase solution achieved higher energy harvest gains.

"For any company to warranty a product for 20 years, the build quality, safety, and reliability must be second to none."

— Kris Laver
Solar PV Operations Manager
Saving Energy

Registered charity, Northumberland Aged Mineworkers Homes Association (NAMHA) specified the Enphase solution for homes of retired miners and miners' widows. NAMHA wanted to decrease living expenses of their residents, so they hired Saving Energy Renewables North East to install solar.

Helping Residents Save

Saving Energy is a family run business established in 2007 with a mission to help vulnerable people and protect the environment. So when Saving Energy Renewables North East, a new division of Saving Energy, was selected as the installer for a pioneering charity project set up to help the elderly and those in need, they were delighted. Northumberland was one of the largest mining communities in Europe, and when the mines closed, NAMHA was established in order to provide purpose-built bungalows for the retired miners and miners' widows to reside in.

ENPHASE.

The Enphase system allowed Saving Energy to install some sites as one array on terraced rooftops and share the system sizes equally. As demonstrated by the completed installation. ; (bottom) Wedderburn Square installation was one of the first sites completed in the project.

NAMHA identified solar PV as an ideal way to decrease the living expenses of their residents. With the PV generating a large portion of the resident's energy demands, they will be saving on their electricity bills.

Performance is Always a Key Factor

Since many of the bungalows are in terraces, Enphase technology saved the installer from many potential design complications. With strict guidelines around trimming trees, and a number of chimneys at the sites, Saving Energy required a system that was going to utilize as much of the available daylight as possible. Energy generation loss was simply not an option. The Enphase System provided the ideal solution.

Saving Energy is experienced in delivering large projects on time and on budget. Enphase's one-technology-fits-all-roofs solution simplified the complicated project and worked well with Saving Energy's complete project management approach. For this project, safety and reliability were also paramount—and a priority for both Saving Energy and Enphase.

One Solution for Many Locations

The 4,000-module installation is located over 39 sites within the Northumberland area totalling approximately 400 homes. Every site's topography and solar access levels are unique, requiring every single property to have a technical and shade analysis survey.

The installation began late January 2014 and is due for completion early 2015.

Enphase has benefited Saving Energy by being able to offer a system that provides complete peace of mind. From safety to higher energy harvest gains, plus maximizing the 20-year return on investment, Enphase was the only choice.

INSTALLATION SUMMARY

Client: **Northumberland Aged Mineworkers Homes Association (NAMHA)**

Location: **Northumberland, Tyne and Wear**

Installer: **Saving Energy Renewables North East**

System Size: **1MW**

Microinverters: **Enphase M215**

Modules: **SolarWorld SW250**

About Enphase Energy

The Enphase System revolutionizes solar power generation with industry-leading technology innovation. Enphase's proven microinverter technology maximizes production of each module, which works together with advanced communications hardware and an intelligent software platform to deliver a reliable, high-performance solar array.

Learn more about the benefits of the Enphase System.
Visit **enphase.com/uk.**

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