

Belvoir Players Studio – Solar PV feasibility study (Charity PV Programme)

Action Renewables charitable objectives include mitigating against the effects of climate change, and through our solar PV support programme, organisations can benefit from the installation of solar panels to their building, along with a reduced electricity tariff.

Belvoir Players based in South Belfast are a community organisation who applied to the programme. Our consultants completed a feasibility study on the potential for installation of a solar PV system at their theatre building in south Belfast - Belvoir Players Studio. This involved a detailed review of the facility's electricity consumption over previous 'pre-covid' years, and took into consideration the roof design and structure. The output of a proposed solar PV installation was calculated using industry software which uses solar irradiation data over a ten year period. Using the projected output of various solar PV system scenarios / solar products available, an estimation of annual on-site consumption and exported electricity was calculated which allowed for cost benefit analysis, CO2 reductions and financial feasibility to be assessed. A PV system size of 11kW was subsequently specified.

Action Renewables managed a tender process to supply and install this and subsequent installations, and the Belvoir Players system was installed by Solmatix based in Newtownabbey, who are one of the successful 'Framework installers' selected.

Roger Dane, Manager of Belvoir Studio Theatre said, "In these difficult times any cost savings that can be made are vital to the operation of a small charitable organisation like the Belvoir Players Amateur Dramatic Society. As you can imagine with the demands of an extensive theatrical sound and lighting system in our Studio Theatre, we use a lot of electricity to deliver our stage productions. It has been a pleasure to be able to work with Action Renewables on a solar panel installation which will produce renewable energy and make a significant potential saving in our electricity costs. This saving will assist in our ability to provide entertainment for our community and will also secure the provision of the drama education we provide for our Youth Academy and our adult members."

Click [here](#) to find out more about Action Renewable PV support programme.

Testimonial:

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