

Marino Institute of Education

Energy services

Marino Institute of Education is a teaching, learning and research community which aims to be a distinctive voice in enabling a just, sustainable and transformative education for all.

| The challenge

Marino Institute of Education wanted to build on previous energy efficiency projects undertaken as part of the Marino Better Energy Community (BEC) scheme to further improve energy efficiency, reduce carbon emissions and lower costs.

| The solution

Veolia's Energy Engineering team assessed the potential for a Solar PV installation on the campus. The Nagle Rice Building was selected as it had the largest area available for a solar PV installation. Working with the facilities team and key equipment suppliers, Veolia designed an appropriate solar system, obtained planning permission and prepared a BEC grant application.

A total of 121 solar panels have been installed on the roof of the building, with one inverter and all associated cabling and racking. The majority of the panels are mounted on top of the parapets on the roof, with a small amount being mounted to the pitched roof sections. The 49 kWp Solar PV system is safely integrated into the site's main switchboard.

The renewable electricity generated by the solar panels will meet 25% of the energy needs of the Nagle Rice building.

| The benefits

- 45,685 kWh of renewable electricity produced per annum
- Energy costs reduced by almost €15,000 per year
- 11.79 tonnes of CO₂ saved annually
- Realtime reporting of renewable energy generation



Contract Facts:
Solar PV installation with ongoing reporting

11.79 tonnes
of CO₂ saved
annually

Circa €15,000
in energy
savings
annually

Renewable energy generated
for the Nagle Rice Building

