



T Shea Ltd is a waste management & recycling site with a difference.

All materials brought to site are sorted and either transformed into reusable recycled products for the construction industry, through screening and crushing, or sorted into timber, card, paper and metals for recycling. T Shea offers an impressive recycling facility where 99.9% of all inert and 75% of biodegradable waste can be recycled. This significantly reduces the amount of waste sent to landfill.

T Shea approached GMI Energy to install a roof mounted solar PV system on the roof of the sorting plant. 208 x REC 240PE 240W solar panels were fitted in a week and the new system is expected to provide an average 38,067kWh of power each year for the next 25 years and beyond. This will result

in annual CO₂ savings of over 16 tonnes per year, adding to the already impressive CO₂ savings achieved by T Shea by diverting biodegradable waste from landfill.

The REC panel performance warranty guarantees that T Shea's panels will still be producing at 80% of their initial power output by year 25 and that this output will be 6.7% higher than the industry standard. GMI Energy monitors the system using near real-time data and results show that since the panels were installed they have already been performing higher than was anticipated in the original forecast. If the panels continue to over-perform and commercial electricity rates continue to rise then T Shea could benefit from a greater yield and savings, leading to a reduced payback period on the system.

System size	49.92 kWp
Kilowatt hrs	38,067 / yr
FiT + savings	£13,298 / yr
CO ₂ savings	16,369 Kg / yr

"We were very impressed by how GMI conducted themselves from the initial quotation and all through installation and commissioning. All went very smoothly particularly as they were working on a very busy site. We are delighted with this project."

Tom Shea, MD of T Shea Ltd

