



EcoPark, North London Waste Project - Edmonton

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Contractor

Taylor Woodrow

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Architect

Grimshaw Architects

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Engineer

Waterman Structures

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Steel Tonnage

1,700 tonnes

Caunton Engineering supplied the structural steelwork for a major Energy Recovery Facility for main contractor Taylor Woodrow Construction. North London Waste Authority (NLW) are redeveloping the Edmonton EcoPark site in Enfield, London. The facility caters up to 700,000 tonnes of residual waste from the seven north London boroughs. The central part of the site was an Energy from Waste plant, which was nearing the end of its operational life. The North London Heat and Power Project (NLHPP) aimed to replace this with a new and substantially more efficient Energy Recovery Facility, which generates up to 70 megawatts of electricity, enough to power around 127,000 homes as well as providing residual heat to a local heat network.

The project comprised of three buildings, the Recycling and Fuel Prep facility (RFPF), the Reuse and Recycling centre (RRC) and the two storey office – EcoPark House. The RFPF building required seven, 150 tonnes trusses. The erection of which is shown graphically on Caunton’s website news dated 8th November 2021. Engineered by Waterman Structures, the article quotes that the initial design had trusses at 8 metre centres, but after a value engineering exercise this was rationalised to fewer trusses spaced at 24 metres and as well as cost and programme benefits, this design enhancement contributed towards a carbon reduction of approximately 720 tonnes in the frame.

