

Edenderry Power Plant has an installed capacity of up to 128 MW of electricity and supplies about 2.5% of Ireland’s national requirement

Originally developed as a peat-fired power plant, Edenderry Power Plant is now co-fired with a mixture of peat and carbon-neutral biomass. The use of biomass as a co-fuel commenced in 2008, and has increased steadily year-on-year.

As part of its energy policy, the Irish government set a 30% biomass co-firing target for all of the peat-fired stations by 2015. This target required the displacement of around 300,000 energy tonnes (ET) of peat at the Edenderry plant, and the station has now exceeded that target. See table below:

<b>Year</b>	<b>Carbon Intensity (tCO<sub>2</sub>/MWh)</b>	<b>RES-E Produced (MWh)</b>	<b>CO<sub>2</sub> Abated (tonnes)</b>
2008	1.092	15,200	16,900
2009	1.065	51,800	59,100
2010	0.971	84,400	93,200
2011	0.966	112,300	126,500
2012	0.928	147,600	169,700
2013	0.837	193,800	220,300
2014	0.826	229,520	260,650
2015	0.876	168,927	189,130
2016	0.657	347,088	395,144
2017	0.678	336,431	390,462

The power station utilises modern Fluidised Bed Boiler and open cycle gas turbine technology to enable a highly efficient rate of energy conversion in our processes.

The plant operates to strict standards, and is certified to ISO 9001, ISO 14001, and OHSAS 18001 Quality, Environmental and Health & Safety standards as part of one integrated system. We added ISO 17025 for our onsite laboratory facilities in 2006, and added ISO 50001 for Energy Management in 2010. These standards are maintained and developed to support Edenderry's business management systems.