

Permit Reference Number: NP3738SY

Operator: South East London Combined Heat and Power Ltd

Installation: SELCHP

Form Number: NP3738SY / ENE

Date of Form: 01/09/2005

Reporting of Energy Usage for the year 1st January to 31st December 2016

Energy Source	Energy Usage		
	Quantity (tonnes)	Primary Energy (MWh)	CO ₂ Produced (tonnes)
Electricity consumed*	28,963	753,027	389,270
Electricity imported*	168	437	226
Natural Gas	-	-	-
Gas Oil	446		132
Recovered Fuel Oil	-	-	-
TOTAL	29,577	753,464	389,627
Electricity Exported	213,397	554,831	286,792

* Conversion factor for delivered electricity to primary energy = 2.6

Trends in Energy Usage			
Year	Parameter		
	Primary Energy usage	CO ₂ Produced	CO ₂ per tonne refuse burnt
2008	71 799 MWh	11918 tonnes	0.028 tonnes
2009	66 488 MWh	11036 tonnes	0.028 tonnes
2010	80 184 MWh	13 364 tonnes	0.033 tonnes
2011	81 237 MWh	404 647 tonnes	0.942 tonnes3
2012	82 906 MWh	430 738 tonnes	0.942 tonnes
2013	74 527 MWh	381,228 tonnes	0.861 tonnes
2014	73,749 MWh	377,251 tonnes	0.860 tonnes
2015	749,544 MWh	387,559 tonnes	0.848 tonnes
2016	753,027 MWh	389,270 tonnes	0.881 tonnes

Operator's comments :

Electricity consumption is generated on site, therefore minimal transmission losses should be assumed, so this figures will be overstated. The plant is a net generator and exporter of electricity produced from largely biogenic waste and will offset CO₂ produced from other, fossil-fuelled generators. Total CO₂ emissions from Energy from Waste plant assuming a 25% carbon content of waste. It includes both biogenic and fossil carbon.

Signed: Lewis Smith - Environmental Technician
(authorised to sign as representative of Operator)

Date: 6th of January 2017