

Permit Reference Number: EPR/BJ6968IY

Operator: IQE Silicon Compounds (IQE Silicon)

Installation: IQE Silicon Compounds, Beech House, Cypress Drive, St. Mellons, Cardiff, CF3 0LW **Form:** E1

Reporting of Energy usage for the year: **2023**

			Year	Primary Energy Usage	CO ₂ Produced	CO2 per unit output (in ² wafer used)(Grammes)
Delivered Electricity (Mwh)	2666.43		2020	6683.56	1109.47	0.00178
			2021	6916.13	1148.08	0.00114
Primary Electricity (Mwh)*	6399.42		2022	6299.12	1045.65	0.000849
Primary Carbon Dioxide (Tonnes)**	1062.3					
Delivered Gas (Mwh)	24.13					
TOTAL ENERGY USE (Mwh) (primary electricity + gas)	6423.55					

*Conversion factor for primary electricity = delivered electricity X 2.4

** Conversion factor for primary carbon dioxide = primary electricity x 0.166

29/01/2024

Operator's Comments:

CO₂ per unit output = primary CO₂ / wafers used

In² wafers used 2023 = 991,646.86

CO₂ per unit output = **0.0065** CO₂/inch squared wafer produced

Date of Form: 21/01/2014