

Permit Reference Number: KP3235SS

Operator: IQE (Europe) Limited

Installation: IQE (Europe) Limited, Pascal Close, St. Mellons, Cardiff, CF3 0LW

Form: E1

Reporting of Energy usage for the year: **2019**

			Year	Primary Energy Usage	CO <sub>2</sub> Produced	CO <sub>2</sub> per unit output (in <sup>2</sup> wafer used)(Grammes)
Delivered Electricity (Mwh)	<b>5148.64</b>		2008	10,589.8	1757.9	0.0052g
			2009	9404	1561	0.0013g
Primary Electricity (Mwh)*	<b>12356.74</b>		2010	9428.75	1565.17	0.0088g
			2011	8649.69	1435.84	0.0068g
Primary Carbon Dioxide (Tonnes)**	<b>2051.22</b>		2012	9463.34	1439.28	0.0085g
			2013	9425.05	1445.13	0.0079g
Delivered Gas (Mwh)	<b>1454.70</b>		2014	8205.37	1362.09	0.0063g
			2015	8641.50	1434.49	0.0053g
<b>TOTAL ENERGY USE (Mwh)</b> (primary electricity + gas)	<b>13811.44</b>		2016	9321.82	1547.42	0.0044g
			2017	12202.56	2025.62	0.0023g
			2018	13918.81	2072.04	0.0025g

\*Conversion factor for primary electricity = delivered electricity X 2.4

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



27/01/2020

Operator's Comments:

CO<sub>2</sub> per unit output = primary CO<sub>2</sub> / wafers used

In<sup>2</sup> wafers used 2019 = 546465.12

CO<sub>2</sub> per unit output = 0.0037g

Date of Form: 21/01/2014