

Permit Reference Number: **KP3135KV**

Operator: The Royal Mint Limited

Installation: The Royal Mint

Form Number: E1

**Reporting of Energy Usage for the year 2017**

Energy Source	Energy Usage Quantity (Kwh)	Primary Energy (MWh)	Specific Usage (MWh/tonne)
Electricity *	44,337,300	106,410	5.08
Natural Gas	23,158,879	23,159	1.11
TOTAL	67,496,179	129,569	6.19

\* Conversion factor for delivered electricity to primary energy - **Primary Energy = electrical energy X 2.4 (as per the Resource Efficiency Physical Index)**

Operator's comments:

**Total Saleable Product 2017 = 20,935 Tonnes.**

Signed .....  
(authorised to sign as representative of the Operator)

Martyn Grant

Date 21/03/18

Permit Reference Number: **KP3135KV**

Operator: The Royal Mint Limited

Installation: The Royal Mint

Form Number: Water Usage 1

**Reporting of Water Usage for the year 2017**

<b>Water Source</b>	<b>Usage (m<sup>3</sup> per year)</b>	<b>Specific Usage (m<sup>3</sup>/tonne)</b>
Mains Water	128,059	6.12
River Abstraction	391,032	18.68
<b>TOTAL WATER USAGE</b>	<b>519,091</b>	<b>24.8</b>

Operator's comments:

**Total Saleable Product 2017 = 20,935 Tonnes.**

Signed .....



Martyn Grant

Date 21/03/18

(authorised to sign as representative of the Operator)

Permit Reference Number: **KP3135KV**

Operator: The Royal Mint Limited

Installation: The Royal Mint

Form Number: Performance 1

Reporting of other performance indicators for the year **2017**

Parameter	Value	Units
Total final product tonnage	20,935	tonnes
CO <sub>2e</sub> / tonne of circulating coin	1017.89 (Consumed Energy) 2157.73 (Primary Energy)	Kg CO <sub>2e</sub> / tonne
Total waste / tonne of circulating coin	0.701	Tonne of waste / tonne

Operator's comments:

CO<sub>2e</sub> conversion factor obtained from GOV.UK "Greenhouse gas reporting - Conversion factors 2017 Condensed set (for most users)", using dataset year 2017 (UK electricity Scope 2, Version 1.0, expiry 31/07/2018) plus (Transmission and distribution scope 3, Version 1.0, expiry 31/07/2018) Electricity = kWh x (0.35156 + 0.03287) Kg of CO<sub>2e</sub> (Fuels Scope 1, Version 1.0, expiry 31/07/2018) Natural Gas = kWh(Gross CV) x 0.184163989077374 Kg of CO<sub>2e</sub>.

Signed .....



Martyn Grant

Date 21/03/2018

(authorised to sign as representative of the Operator)