

Permit Reference Number: **KP3135KV**

Installation: The Royal Mint

Operator: The Royal Mint Limited

Form Number: Performance 1

Reporting of other performance indicators for the year **2018**

Parameter	Value	Units
Total final product tonnage	19,312	tonnes
CO _{2e} / tonne of circulating coin	716.08 (Consumed Energy from offsite sources) * 1439.90 (Primary Energy from offsite sources) *	Kg CO _{2e} / tonne
Total waste / tonne of circulating coin	0.732	Tonne of waste / tonne

Operator's comments:

CO_{2e} conversion factor obtained from GOV.UK "Greenhouse gas reporting - Conversion factors 2017 Condensed set (for most users)", using dataset year 2018 (UK electricity Scope 2, Version 1.0, expiry 31/07/2019) plus (Transmission and distribution scope 3, Version 1.0, expiry 31/07/2019) Electricity = kWh x (0.28307 + 0.02413) Kg of CO_{2e} (Fuels Scope 1, Version 1.0, expiry 31/07/2019) Natural Gas = kWh(Gross CV) x 0.18396 Kg of CO_{2e}.

* The figure excludes energy generated by the "onsite" wind turbine.

Signed

Martyn Grant

Date 25/01/2019

(authorised to sign as representative of the Operator)

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 **2018**

Water Source	Usage (m ³ per year)	Specific Usage (m ³ /tonne)
Mains Water	107,960	5.59
River Abstraction	304,447	15.76
TOTAL WATER USAGE	412,407	21.4

Operator's comments:

Total Saleable Product 2018 = 19,312 Tonnes.

Signed.....

Martyn Grant

Date 25/01/19

(authorised to sign as representative of the Operator)

Permit Reference Number: **KP3135KV**

Installation: The Royal Mint

Operator: The Royal Mint Limited

Form Number: E1

Reporting of Energy Usage for the year **2018**

Energy Source	Energy Usage Quantity (Kwh)	Primary Energy (MWh)	Specific Usage (MWh/tonne)
Electricity *	32,709,400 (Total Energy Use)	78,500 (for total energy)	4.06
	207,600 (On Site Generated Energy)	78,000 (for offsite energy generation)	4.04
Natural Gas	20,898,431	20,898	1.08
TOTAL	53,607,831	99,398	5.15

* 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 2018 = 19,312 Tonnes.

Signed
(authorised to sign as representative of the Operator)

Martyn Grant

Date 25/01/19