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Contract

Digital Upgrade of the UK's National Atmospheric Emissions Inventory System Contract Modification

Department for Energy Security and Net Zero

F20: Modification notice

Notice identifier: 2025/S 000-012879

Procurement identifier (OCID): ocds-h6vhtk-03992c

Published 3 April 2025, 3:35pm

Section I: Contracting authority/entity

I.1) Name and addresses

Department for Energy Security and Net Zero

3-8 Whitehall Place

London

SW1A 2EG

Email

greenhousegasinventory@energysecurity.gov.uk

Country

United Kingdom

Region code

UK - United Kingdom

Internet address(es)

Main address

<https://www.gov.uk/government/organisations/department-for-energy-security-and-net-zero>

Section II: Object

II.1) Scope of the procurement

II.1.1) Title

Digital Upgrade of the UK's National Atmospheric Emissions Inventory System Contract Modification

II.1.2) Main CPV code

- 72222300 - Information technology services

II.1.3) Type of contract

Services

II.2) Description

II.2.3) Place of performance

NUTS codes

- UK - United Kingdom

II.2.4) Description of the procurement at the time of conclusion of the contract:

The National Atmospheric Emissions Inventory (NAEI) quantifies national emissions of a range of greenhouse gases (GHGs) and air pollutants to the atmosphere from a variety of sources. The NAEI, which includes over forty different pollutants, is updated and published annually, and charts the history of the UK's atmospheric emissions since 1970. The current digital architecture of the NAEI system has evolved across the last 20+ years in a stepwise manner according to the growth of the system and the increasing scientific and technical complexity of the emissions calculations. The system is made up of a mix of technologies (covering Excel, Access, MySQL, R and Python scripts) and is now in need of a wholesale rebuild to make the system more robust, consistent and up to date. This contract delivers the following:

- Simplify the technology suite used in current system

- Build the new system in a modular way
- Ensure the end-to-end process for calculation of emissions is transparent and traceable

II.2.7) Duration of the contract, framework agreement, dynamic purchasing system or concession

Start date

23 October 2023

End date

30 September 2026

II.2.13) Information about European Union Funds

The procurement is related to a project and/or programme financed by European Union funds: No

Section IV. Procedure

IV.2) Administrative information

IV.2.1) Contract award notice concerning this contract

Notice number: [2023/S 000-031318](#)

Section V. Award of contract/concession

Contract No

con_5141

V.2) Award of contract/concession

V.2.1) Date of conclusion of the contract/concession award decision:

23 October 2023

V.2.2) Information about tenders

The contract/concession has been awarded to a group of economic operators: Yes

V.2.3) Name and address of the contractor/concessionaire

KPMG LLP

15 Canada Square

London

E14 5GL

Country

United Kingdom

NUTS code

- UK - United Kingdom

The contractor/concessionaire is an SME

No

V.2.3) Name and address of the contractor/concessionaire

Mott Macdonald

10 Fleet Place

London

EC4M 7RB

Country

United Kingdom

NUTS code

- UK - United Kingdom

The contractor/concessionaire is an SME

No

V.2.3) Name and address of the contractor/concessionaire

Aether Limited

Blue Boar Court, 9 Alfred Street

Oxford

OX1 4EH

Country

United Kingdom

NUTS code

- UK - United Kingdom

The contractor/concessionaire is an SME

Yes

V.2.4) Information on value of the contract/lot/concession (at the time of conclusion of the contract;excluding VAT)

Total value of the procurement: £2,899,950

Section VI. Complementary information

VI.4) Procedures for review

VI.4.1) Review body

Department for Energy Security and Net Zero

3-8 Whitehall Place

London

SW1A 2EG

Country

United Kingdom

Section VII: Modifications to the contract/concession

VII.1) Description of the procurement after the modifications

VII.1.1) Main CPV code

- 72222300 - Information technology services

VII.1.3) Place of performance

NUTS code

- UK - United Kingdom

VII.1.4) Description of the procurement:

The National Atmospheric Emissions Inventory (NAEI) quantifies national emissions of a range of greenhouse gases (GHGs) and air pollutants to the atmosphere from a variety of sources. The NAEI, which includes over forty different pollutants, is updated and published annually, and charts the history of the UK's atmospheric emissions since 1970. The current digital architecture of the NAEI system has evolved across the last 20+ years in a stepwise manner according to the growth of the system and the increasing scientific and technical complexity of the emissions calculations. The system is made up of a mix of technologies (covering Excel, Access, MySQL, R and Python scripts) and is now in need of a wholesale rebuild to make the system more robust, consistent and up to date. This contract delivers the following:

- Simplify the technology suite used in current system
- Build the new system in a modular way
- Ensure the end-to-end process for calculation of emissions is transparent and traceable

VII.1.5) Duration of the contract, framework agreement, dynamic purchasing system or concession

Start date

23 October 2023

End date

30 September 2026

VII.1.6) Information on value of the contract/lot/concession (excluding VAT)

Total value of the contract/lot/concession:

£3,994,770

VII.1.7) Name and address of the contractor/concessionaire

KPMG LLP

15 Canada Square

London

E14 5GL

Country

United Kingdom

NUTS code

- UK - United Kingdom

The contractor/concessionaire is an SME

No

VII.1.7) Name and address of the contractor/concessionaire

Mott Macdonald

10 Fleet Place

London

EC4M 7RB

Country

United Kingdom

NUTS code

- UK - United Kingdom

The contractor/concessionaire is an SME

No

VII.1.7) Name and address of the contractor/concessionaire

Aether Limited

Blue Boar Court, 9 Alfred Street

Oxford

OX1 4EH

Country

United Kingdom

NUTS code

- UK - United Kingdom

The contractor/concessionaire is an SME

Yes

VII.2) Information about modifications

VII.2.1) Description of the modifications

Nature and extent of the modifications (with indication of possible earlier changes to the contract):

This is a price only variation which delivers the testing, validation, assurance, and translation of models into the NAEI system (Phase 2c). Through contract delivery, this variation has become necessary to fund the translation and validation of the necessary mastersheets into the NAEI system.

VII.2.2) Reasons for modification

Need for modification brought about by circumstances which a diligent contracting authority/entity could not foresee.

Description of the circumstances which rendered the modification necessary and explanation of the unforeseen nature of these circumstances:

The variation was unforeseen because it is only through the delivery of the contract and a greater understanding of the intertwined and complex nature of the models being illuminated through contract delivery, that the under-estimation in cost was realised. The more precise estimate of the costs of model translation deliverables during the delivery of the contract has been informed by the contractor and two independent scrutinising functions. The initial cost of model translation was under-estimated by all estimates from market engagement, benchmarking exercises, supplier initial estimation, and a pre-requisite scoping study delivered by another supplier (procured separately).

The variation is operationally critical to the functioning of the NAEI system, to ensure continuation of technology platforms upon which core business functions depend, critically including the delivery of a statutory obligation.

VII.2.3) Increase in price

Updated total contract value before the modifications (taking into account possible earlier contract modifications, price adaptations and average inflation)

Value excluding VAT: £2,975,950

Total contract value after the modifications

Value excluding VAT: £3,994,770