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Contract

Shawfair Energy Centre & District Heating Network

Midlothian Energy Limited (MEL)

F06: Contract award notice – utilities

Notice identifier: 2022/S 000-031765

Procurement identifier (OCID): ocds-h6vhtk-03809c

Published 9 November 2022, 5:23pm

Section I: Contracting entity

I.1) Name and addresses

Midlothian Energy Limited (MEL)

The Tun Building, 4 Jackson's Entry, Holyrood Road

Edinburgh

EH8 8PJ

Email

alistair.ngyou@vattenfall.com

Country

United Kingdom

NUTS code

UK - United Kingdom

Internet address(es)

Main address

<https://heat.vattenfall.co.uk/>

Buyer's address

https://www.publiccontractsscotland.gov.uk/search/Search_AuthProfile.aspx?ID=AA30527

I.2) Information about joint procurement

The contract is awarded by a central purchasing body

I.6) Main activity

Production, transport and distribution of gas and heat

Section II: Object

II.1) Scope of the procurement

II.1.1) Title

Shawfair Energy Centre & District Heating Network

II.1.2) Main CPV code

- 45232140 - District-heating mains construction work

II.1.3) Type of contract

Works

II.1.4) Short description

Design and construction of a heat network for the Shawfair area in Midlothian, Scotland. The heat network development will consist of a connection to a local Energy from Waste Plant, the construction of an Energy Centre complete with back-up boiler plant, District Heating Networks (DHN) and heat substations.

II.1.6) Information about lots

This contract is divided into lots: No

II.1.7) Total value of the procurement (excluding VAT)

Value excluding VAT: £16,953,462

II.2) Description

II.2.2) Additional CPV code(s)

- 09300000 - Electricity, heating, solar and nuclear energy
- 09323000 - District heating
- 38551000 - Energy meters
- 42515000 - District heating boiler
- 44163120 - Distance-heating pipes
- 45000000 - Construction work
- 45232140 - District-heating mains construction work
- 45251000 - Construction works for power plants and heating plants
- 45251250 - District-heating plant construction work
- 71311000 - Civil engineering consultancy services
- 71314000 - Energy and related services
- 71314310 - Heating engineering services for buildings
- 71700000 - Monitoring and control services

II.2.3) Place of performance

NUTS codes

- UKM73 - East Lothian and Midlothian

Main site or place of performance

Shawfair

II.2.4) Description of the procurement

Shawfair is a new mix use residential and commercial development in Midlothian, Scotland. A local Energy from Waste plant (EfW) has heat of up to 95°C available as a by-product of its operations for the development area.

This project aims to connect the EfW waste heat to the development and to create a

sustainable District Heating Network for the wider Midlothian area.

The heat is to be transported from the EfW to an Energy Centre (EC), from where the heat disperses into a District Heating Network (DHN). The capacity of the DHN will be about 16.5MW. The DHN will connect to both residential units and mixed use space including office, retail and community space.

When heat from the EfW is not available, it must be created at the EC. The EC will be fitted with boilers, thermal stores and other general equipment required for DHN operation, such as pressure keeping, and water quality control. It will also house the control system of the entire network.

Steel based district heating pipes will form the primary network that feeds the warm water to Heat Substations, where the water is hydraulically separated from secondary networks. The Secondary Off Plot networks will be polymer based district heating networks that transport warm water to the boundary of development plots.

NOTE : All Secondary On Plot DHN Networks are for the plot developer to coordinate the connection to all dwellings including the interfaces with the dwellings. This does not form part of this scope.

The build programme for the works included in this contract notice will be approximately 24 months.

The project is new build.

It is anticipated that the contract scope shall include (but is not limited to) design and build of:

- Pipework and connections to EfW heat offtake system
- Energy Centre
- Electrical installation, instrumentation and controls
- Primary DHN Spine
- Initial Heat Sub Stations across wider plot development area
- Initial Off Plot Secondary district heating pipework

The contract will contain options for MEL to instruct the successful contractor to price and carry out the design and build of network extensions to new customers beyond the initial scope listed.

MEL reserves the right to benchmark the price of any additional works under a separate contract notice and potentially award those works to others.

II.2.5) Award criteria

Quality criterion - Name: Design / Weighting: 6%

Quality criterion - Name: Programme / Weighting: 6%

Quality criterion - Name: Subsuppliers/Contractors / Weighting: 6%

Quality criterion - Name: Management Approach / Weighting: 6%

Quality criterion - Name: Environment & Sustainability / Weighting: 3%

Quality criterion - Name: Social Value / Weighting: 1.5%

Quality criterion - Name: Health, Safety & Security / Weighting: 10%

Quality criterion - Name: Legal & Contractual / Weighting: 1.5%

Price - Weighting: 60%

II.2.11) Information about options

Options: No

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.1) Description

IV.1.1) Type of procedure

Negotiated procedure with prior call for competition

IV.1.8) Information about the Government Procurement Agreement (GPA)

The procurement is covered by the Government Procurement Agreement: No

IV.2) Administrative information

IV.2.1) Previous publication concerning this procedure

Notice number: [2021/S 000-663249](#)

Section V. Award of contract

A contract/lot is awarded: Yes

V.2) Award of contract

V.2.1) Date of conclusion of the contract

3 November 2022

V.2.2) Information about tenders

Number of tenders received: 2

Number of tenders received from SMEs: 0

Number of tenders received from tenderers from other EU Member States: 0

Number of tenders received from tenderers from non-EU Member States: 2

Number of tenders received by electronic means: 0

The contract has been awarded to a group of economic operators: No

V.2.3) Name and address of the contractor

FES Support Services Ltd

Forth House, Pirnhall Business Park

Stirling

FK7 8HW

Telephone

+44 1786819600

Country

United Kingdom

NUTS code

- UK - United Kingdom

The contractor is an SME

No

V.2.4) Information on value of contract/lot (excluding VAT)

Total value of the contract/lot: £16,953,462

Section VI. Complementary information

VI.3) Additional information

(SC Ref:712866)

VI.4) Procedures for review

VI.4.1) Review body

Edinburgh Sheriff Court

27 Chambers Street

Edinburgh

EH1 1LB

Country

United Kingdom