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Planning

Net Zero 2030 - Biomethane Upgrading

ANGLIAN WATER SERVICES LIMITED

F04: Periodic indicative notice – utilities

Periodic indicative notice only

Notice identifier: 2023/S 000-008654

Procurement identifier (OCID): ocds-h6vhtk-03b5d9

Published 24 March 2023, 1:20pm

Section I: Contracting entity

I.1) Name and addresses

ANGLIAN WATER SERVICES LIMITED

Lancaster House, Lancaster Way, Ermine Business Park

HUNTINGDON

PE29 6XU

Contact

Colleen Paternoster

Email

cpaternoste@anglianwater.co.uk

Country

United Kingdom

Region code

UKH - East of England

Companies House

02366656

Internet address(es)

Main address

<https://www.anglianwater.co.uk/>

Buyer's address

<https://www.anglianwater.co.uk/about-us/who-we-are/our-suppliers/doing-business-with-outher/>

I.3) Communication

Additional information can be obtained from the above-mentioned address

I.6) Main activity

Water

Section II: Object

II.1) Scope of the procurement

II.1.1) Title

Net Zero 2030 - Biomethane Upgrading

II.1.2) Main CPV code

- 90513800 - Sludge treatment services

II.1.3) Type of contract

Services

II.1.4) Short description

Anglian Water Services Ltd (AWS) produces over 150,000 dry tonnes of raw wastewater

derived sludge per annum, this is treated at 10 regional sludge treatment centres (STC). We treat the sludge using advanced anaerobic digestion technologies and biogas is produced which we currently use as a renewable fuel in combined heat & power (CHP) engines. To support our net zero 2030 plans our intention is to transition our CHP fleet over to biogas upgrading to biomethane for grid injection or other beneficial use.

Our base plan is to switch our sites at Cottonvalley (Milton Keynes), Gt Billing (Northampton) & Whitlingham (Norwich) to biomethane and would consider the option to accelerate our transition across our other STC sites.

For further information on Bioresources and our Net Zero plans please refer to our published information hosted on our website <https://www.anglianwater.co.uk/about-us/who-we-are/our-suppliers/doing-business-with-others/>

II.1.6) Information about lots

This contract is divided into lots: No

II.2) Description

II.2.2) Additional CPV code(s)

- 42000000 - Industrial machinery
- 45000000 - Construction work
- 65200000 - Gas distribution and related services
- 90513800 - Sludge treatment services

II.2.3) Place of performance

NUTS codes

- UKE1 - East Yorkshire and Northern Lincolnshire
- UKF2 - Leicestershire, Rutland and Northamptonshire
- UKH12 - Cambridgeshire CC
- UKH14 - Suffolk
- UKH15 - Norwich and East Norfolk
- UKH16 - North and West Norfolk
- UKH3 - Essex

- UKJ1 - Berkshire, Buckinghamshire and Oxfordshire

Main site or place of performance

Priority sites:

1. Cottonvalley STC (Milton Keynes)
2. Great Billing STC (Northampton)
3. Whitlingham STC (Norwich)

Other sites we would consider accelerating transition from CHP

Basildon STC

Chelmsford STC

Cliff Quay STC (Ipswich)

Colchester STC

King's Lynn STC

Pyewipe STC (Grimsby)

Anglian Water are also progressing plans to build a new STC for Cambridge as part of our Cambridge WRC relocation project, the proposed solution for the new STC also includes plans for biomethane upgrading to grid.

Full details of the capacity sludge treatment capacity for these sites can be found on our website in our published bioresources markets information data tables.

II.2.4) Description of the procurement

Provision of the end to end service for the upgrading of raw biogas to biomethane. This shall include full engineering, procurement and construction of, but not be limited too;

Gas clean-up

Biomethane upgrading equipment

Grid injection or compression equipment where option is transfer to a remote receiving station or alternate use (e.g use as a Bio-CNG fuel)

Pipeline & connection to grid

(possible CO2 capture and recovery)

(possible wider renewable energy integration, e.g. heat pumps for process heating, solar etc to maximise renewable energy benefits from our STC operations)

At this stage we remain open to the commercial models from traditions design, build (AWS operate) through to design, build, operate and design, build, finance, operate models.

However, we must be clear that in support of our net zero strategy, the carbon benefits associated with the biomethane produced must be fully retained by AWS.

II.2.14) Additional information

<https://www.anglianwater.co.uk/about-us/who-we-are/our-suppliers/doing-business-with-others/>

The website has links to our current bioresources strategy, net zero strategy and bioresources markets information.

II.3) Estimated date of publication of contract notice

1 June 2024

Section IV. Procedure

IV.1) Description

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.2.2) Time limit for receipt of expressions of interest

Date

30 April 2023

Local time

11:00pm

IV.2.4) Languages in which tenders or requests to participate may be submitted

English

Section VI. Complementary information

VI.3) Additional information

If you have experience in this area please provide at a minimum the following information and submit to the Anglian Water Project Mailbox: BBAT@anglianwater.co.uk

- Company Name:
- Contact details:
- Location, telephone and e-mail address:
- Main point of contact and position in Company:
- Details of your company's core skills in relation to the services outlined in the notice:
- Services offered:
- Example projects / services:

Please Note: Once you have responded to this PIN Notice, we will then issue a Short Net Zero 2030 - Biomethane Upgrading Bidder Assessment Form (BAF) Pre-Qualification Form.