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Planning

STW Process Emissions Monitoring Devices

SEVERN TRENT WATER LIMITED

F04: Periodic indicative notice – utilities

Periodic indicative notice only

Notice identifier: 2021/S 000-018925

Procurement identifier (OCID): ocds-h6vhtk-02d15c

Published 5 August 2021, 3:42pm

Section I: Contracting entity

I.1) Name and addresses

SEVERN TRENT WATER LIMITED

2 St. Johns Street

COVENTRY

CV12LZ

Contact

Saif Javed

Email

saif.javed@severntrent.co.uk

Telephone

+44 7989390717

Country

United Kingdom

NUTS code

UK - United Kingdom

Internet address(es)

Main address

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

I.3) Communication

The procurement documents are available for unrestricted and full direct access, free of charge, at

<http://discovery.ariba.com/rfx/10912269>

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

STW Process Emissions Monitoring Devices

II.1.2) Main CPV code

- 24321111 - Methane

II.1.3) Type of contract

Supplies

II.1.4) Short description

STW are seeking to install continuous monitoring at eight wastewater treatment works to monitor and quantify nitrous oxide monitoring.

The organic material removed from wastewater treatment process is used to generate biogas on circa 20 sites. Fugitive methane emissions resulting from leaks across this process have been identified as a key contributor to overall site GHG emissions. However, there are also open processes and storage which are expected to continuously emit methane.

STW are also looking to install continuous methane monitoring at three biogas production sites in order to quantify total emissions as well as locate leaks.

The purpose of the soft market testing is to understand commercially available products and services for monitoring and quantifying GHG emissions.

We request that participants consider the following:

1. Solutions should be deliverable now with no further development required
2. We want to look at solutions for the full suite of our asset base from large urban sites to small rural applications

II.1.6) Information about lots

This contract is divided into lots: No

II.2) Description

II.2.2) Additional CPV code(s)

- 90731600 - Methane monitoring
- 90731700 - Carbon dioxide monitoring services
- 90731900 - Ozone depletion monitoring services

II.2.3) Place of performance

NUTS codes

- UK - United Kingdom

II.2.4) Description of the procurement

Severn Trent have committed to a Triple Pledge of net carbon zero, 100% renewable electricity and 100% electric fleet by 2030. In addition to this, STW have also signed up to

science-based targets.

As part of the net carbon zero and science based target pledges STW are inviting companies to come forward with new ideas that will help locate, monitor & quantify both continuous and fugitive greenhouse gas (GHG) emissions; specifically methane (CH₄) and nitrous oxide (N₂O) from wastewater treatment and biogas production facilities.

STW, which serves eight million people across the Midlands and mid-Wales. There are c1000 wastewater treatment works which utilises biological processes to break down ammonia. These include activated sludge plants (ASP), rotating biological contactors (RBC), trickling filters/ biofilters. Nitrous oxide can be a byproduct of these biological processes. STW are interested in understanding how emissions from these processes can be quantified.

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II.3) Estimated date of publication of contract notice

30 September 2021

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

6 September 2021

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

English