Planning

STW CHP Engines RFI

SEVERN TRENT WATER LIMITED

F04: Periodic indicative notice – utilities
Periodic indicative notice only
Notice identifier: 2021/S 000-026399
Procurement identifier (OCID): ocds-h6vhtk-02ee8c
Published 21 October 2021, 1:58pm

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

UKG33 - Coventry

Internet address(es)

Main address

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/11485940

Additional information can be obtained from the above-mentioned address

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

STW CHP Engines RFI

II.1.2) Main CPV code

- 31121200 - Generating sets with spark-ignition engines

II.1.3) Type of contract

Supplies

II.1.4) Short description

STW has a keen focus on Renewable Energy and has been utilising gas produced from the sewerage treatment process since the 1960's to provide power and heat to the same process. From the early 2000's we embarked on a journey to increase our renewable energy production by investing in new technologies such as Acid Phase digestion and more recently Thermal Hydrolysis Plants, and therefore increasing our gas yield. Currently we have a Fleet of 48 CHP Engines ranging from 190KW to 1410KW.

4 x MAN 190KW

6 x Perkins 290KW - 500KW

38 x Jenbacher (2, 3 & 4 series) 330KW - 1410KW

We have an ongoing Capital Investment Programme to replace our CHP at end of life, full refurbishment @ 60,000 hrs and replacement @ 120,000 hrs. Our objective is to maximise efficiency from our Combined Heat and Power Units as an integrated part of our Bioresources Department, alongside other technologies such as Biogas Upgrading Plants which feed directly into the Natural Gas network.

Therefore, the purpose of this RFI is to understand commercially available CHP engines and associated servicing kits, and spares to allow service and maintenance to be carried out by STW.

We request that participants consider the following:

• Base Cost of a Containerised CHP Plant - We would like information relating to your

nearest option for 500Kwe, 800Kwe and 1MWe

• Whole Life Cost (Unit WLC at this stage) of a Standard Containerised CHP Plant - including servicing kits

• Potential to retrospectively fit a power skid into an existing container if required.

• Electrical and Thermal Output

• Take into account that the current servicing and maintenance of our CHP fleet is carried out by STW's own in-house team (CHP Technicians), and going forward this will be the expectation as well.

II.1.6) Information about lots

This contract is divided into lots: No

II.2) Description

II.2.3) Place of performance

NUTS codes

- UK - United Kingdom

II.2.4) Description of the procurement

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II.3) Estimated date of publication of contract notice

1 April 2022

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

20 November 2021

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

English