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Planning

Howdon STW Upgrade

NORTHUMBRIAN WATER GROUP LIMITED

F01: Prior information notice

Prior information only

Notice identifier: 2022/S 000-005823

Procurement identifier (OCID): ocids-h6vhtk-031d58

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Section I: Contracting authority

I.1) Name and addresses

NORTHUMBRIAN WATER GROUP LIMITED

Northumbria House, Abbey Road, Pity Me

DURHAM

DH15FJ

Email

AMPS7@nwl.co.uk

Country

United Kingdom

NUTS code

UKC14 - Durham CC

Internet address(es)

Main address

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

I.3) Communication

Additional information can be obtained from the above-mentioned address

I.4) Type of the contracting authority

Regional or local authority

I.5) Main activity

Other activity

Water Utility

Section II: Object

II.1) Scope of the procurement

II.1.1) Title

Howdon STW Upgrade

II.1.2) Main CPV code

- 45000000 - Construction work

II.1.3) Type of contract

Works

II.1.4) Short description

This project covers the design, construction and commissioning of the Howdon STW upgrade which is required to achieve the new consent requirements associated with the expected population growth.

Howdon STW treats wastewater from the Local Authority areas of North Tyneside, Newcastle, Gateshead, South Tyneside, and parts of South Northumberland. Across these five Local Authority areas, Howdon STW serves a domestic population of around

840,000, with trade effluent flows increasing the population equivalent to around 945,000. As much of the sewer network within the catchment is combined, surface water also contributes to the Howdon flows.

There are potential limitations on any new housing developments due to sewage pumping and treatment capacity within the Tyneside catchment. The most viable solution is to expand the treatment capacity at Howdon. The recommended solution comprises of:

- Upgraded primary tanks
- New storm tanks (with odour control)
- Upgraded secondary treatment
- New final settlement tanks
- Upgraded UV treatment
- Upgraded primary effluent and south bank pumping stations (improving the resilience of the site)

Although there is insufficient space on the existing STW to fully complete this upgrade, there is a vacant site adjacent to Howdon which is available. Negotiations to purchase this site are at the final stage.

Delivery of this project has been phased, with Phase One reflecting the minimum required scope for AMP7

Phase One (due to complete by April 2025):

- Purchase of additional land to accommodate the above works
- New storm tanks
- Upgraded primary effluent and south bank pumping stations (improving resilience of the site)

Phase Two (due to complete by April 2027):

- Upgraded primary tanks
- Upgraded secondary treatment
- New final settlement tanks

- Upgraded UV treatment

The upgrade of Howdon STW will support NWG's corporate goals of having the best rivers and beaches in the country and, having zero pollutions as a result of our assets and operations, falling under the 'improving the environment' key theme.

Value of Contract: £80,000,000 - £95,000,000

II.1.5) Estimated total value

Value excluding VAT: £95,000,000

II.1.6) Information about lots

This contract is divided into lots: No

II.2) Description

II.2.2) Additional CPV code(s)

- 45232421 - Sewage treatment works
- 45232423 - Sewage pumping stations construction work

II.2.3) Place of performance

NUTS codes

- UKC2 - Northumberland and Tyne and Wear

Main site or place of performance

Howdon Sewage Treatment Works

II.2.4) Description of the procurement

The procurement strategy is still under development, but is likely to comprise:

- Design and Construct Contract to complete the Works in two phases
- The development also requires some demolition which could be included in the main contract if advantageous to all parties.

The outline programme comprises:

- Launch/Engaging supply chain/PQQ, April 22

- Tender Period, June to Dec 22

Including a menu style pricing schedule

- Contract award April 23
- Phase 1 Completion April 25
- Contract completion April 27

NWL are focused on ensuring the most efficient delivery, whilst meeting all quality and programme drivers. Alternative procurement approaches will also be considered.

What is important to us;

- Fully Integrated Team (design, construction and commissioning)
- Openness - working together to solve problems
- Robust Programme - shared continuously so there are no surprises
- Process Guarantees
- Track record in innovative treatment process
- Working together to agree robust scope with no ambiguity
- Confidence in site information
- Minimising carbon impact during construction (and ensure design can be optimised to reduce operational carbon)
- Positive Impact on Howdon STW's advanced anaerobic digestion plant to be maximised
- Commissioning experience to minimise disruption to Operations (interfacing with existing treatment processes) and always assuring compliance with Howdon STW consent
- Consideration of legacy, natural capital solutions

II.3) Estimated date of publication of contract notice

15 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: Yes

Section VI. Complementary information

VI.3) Additional information

If you are interested in this scheme please email AMPS7@nwl.co.uk with your company details and key contact (telephone and email address). The intention is that we will get in touch with interested parties to talk about the procurement process to help us define our strategy. Please note we are looking for organisations with a serious interest in the scheme and who are capable to deliver a scheme of this size and complexity within the timescales detailed in this PIN.