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Tender

Design, Build, Install and Maintenance Contract for Halton Microgrid

Halton Borough Council

UK4: Tender notice - Procurement Act 2023 - [view information about notice types](#)

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Procurement identifier (OCID): ocids-h6vhtk-050f2b

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Scope

Reference

DN797010

Description

BACKGROUND INFORMATION

Halton Borough Council (HBC) is a Unitary Authority based in Cheshire, North West England, comprising the main towns of Runcorn and Widnes. The Council declared a Climate Emergency on the 16th October 2019. Following the declaration, the Council developed an Action Plan which is predominantly focused on reducing the Council's own carbon production.

The Council has developed a number of rooftop solar PV schemes and a 1.2MWp solar farm. Whilst these projects have been invaluable, it became apparent to the Council that

larger interventions would also be required in order to meet the Council's 2040 net zero target. With this in mind, the Council commissioned a feasibility study in early 2020 to evaluate the potential to construct a solar farm on Council owned wasteland. The study concluded that the potential existed to construct a 3.62MWp solar farm on a closed landfill site located immediately north of Ditton Rd in Widnes (postcode WA8 0PG - Coordinates E: 350056, N: 385004).

The site was historically used as a chemical waste landfill site, before being converted to a municipal golf course (St Michael's Golf Course). The course was subsequently closed, and the site has been unused since.

The Council are now planning to construct a 3.62MWp solar farm at the closed landfill site, which will be connected to the existing 1.2MWp solar farm via a new 11kV link. The resulting 5.2MWp of solar PV generation will provide power to a number of council owned facilities in Widnes town via an extensive 11kV ring main which is to be installed as part of the project. The scheme will also incorporate a 2MW/4MWh battery storage scheme and a high-power electric vehicle charging hub at the Council's Lower House Lane transport depot.

On 1st June 2021 the Council secured a 6.1MVA export and 5.0MVA import grid connection offer from the local DNO (SP Energy Networks).

On 27th June 2024, the Council submitted a planning application for the project, and the application was approved on 23rd January 2025.

During 2024, the Council has negotiated the necessary agreements to obtain construction access to the site. The Council own the land on which the scheme is to be built, all of the buildings, and will own the Microgrid once it is commissioned and handed over.

The Council are now seeking EPC (Engineer Procure and Construct) proposals for the turn-key detailed design, installation and commissioning of the Smart Microgrid Project, which will encompass the following key components;

(a) A 3.62MWp solar farm, including all associated building and civil engineering works.

(b) An 11kV link between the existing 1.2MWp solar farm and the new 3.62MWp solar farm.

(c) A 2MW/4MWh battery storage system at the new solar farm site.

(d) An 11kV link from the new solar farm substation to a new Intake Substation located at the

Council's Lower House Lane depot, including an associated horizontal drill under a major

A

Road.

(e) A new 33kV / 11kV Intake Substation (ISS) at the Council's Lower House Lane Depot.

(f) New 11kV distribution substation infrastructure at four Council sites (Halton Stadium, Halton Leisure Centre, Municipal Offices and Lower House Lane Transport Depot)

(g) A buried HV ring connecting the new Intake Substation (ISS) with the four distribution substations.

(h) High power EV and eRCV charging infrastructure at the Lower House Lane transport depot.

(i) A SCADA control system to enable the efficient and optimal management of the completed microgrid system and the associated generation and storage assets.

The Tenderer's scope will include all works required to deliver a fully compliant, safe, efficient and working installation.

Following completion of the construction works. The EPC Tenderer shall be responsible for providing EPC warranty and O&M (Operations and Maintenance) services for a minimum period of two years, with options for multiple contract extensions.

Total value (estimated)

- £15,600,000 including VAT

Above the relevant threshold

Contract dates (estimated)

- 1 June 2026 to 31 May 2029
- Possible extension to 31 May 2057
- 31 years

Description of possible extension:

Contract extensions for the operation and maintenance and related services. The extension options available are for 3 years and 5 x 5 years. A total of 6 available extensions.

Extensions are subject to a review of performance, requirements and agreement on pricing.

Main procurement category

Works

CPV classifications

- 09310000 - Electricity
- 09330000 - Solar energy
- 45310000 - Electrical installation work

Contract locations

- UKD71 - East Merseyside

Participation

Particular suitability

Small and medium-sized enterprises (SME)

Submission

Enquiry deadline

18 December 2025, 3:00pm

Submission type

Tenders

Tender submission deadline

20 January 2026, 10:00pm

Submission address and any special instructions

The full tender pack can be accessed free of charge via The Chest procurement web portal at <https://www.the-chest.org.uk/>

Tenders may be submitted electronically

Yes

Languages that may be used for submission

English

Award decision date (estimated)

30 April 2026

Award criteria

Name	Type	Weighting
Quality	Quality	70%
Price	Price	30%

Other information

Conflicts assessment prepared/revised

Yes

Procedure

Procedure type

Competitive flexible procedure

Competitive flexible procedure description

This tender notice relates to the award of a public contract through a Competitive Flexible Procedure in accordance with section 20(1) and 20(2)(b) of the Procurement Act 2023.

For a description of the process including conditions of participation , the process for submitting initial and final tenders (including the negotiation stage) and the award criteria and assessment methodology, please refer to the documents available on the

procurement web portal The Chest which can be accessed from the following link <https://www.the-chest.org.uk/> . The project reference for the opportunity is DN797010.

The contracting authority reserves the right to rely on section 31 PA 2023 to modify the terms of the procurement.

Documents

Associated tender documents

<http://www.the-chest.org.uk>

The full access of the tender pack is available free of charge on The Chest procurement web portal at www.the-chest.org.uk

Reference number DN797010.

Contracting authority

Halton Borough Council

- Public Procurement Organisation Number: PLTJ-1788-CBLR

Municipal Building

Widnes

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United Kingdom

Email: procurement@halton.gov.uk

Region: UKD71 - East Merseyside

Organisation type: Public authority - sub-central government