

## **Infrastructure, Housing and Environment**

Operations and Transport | Liquid Waste

P O Box 412, Beresford House, Bellozanne Road

St Helier, Jersey, Channel Islands, JE4 8UY



# **Liquid Waste Professional Services Framework**

## **Request for Expression of Interest**

**Contract Reference – 11819**

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## CONTENTS

1	Introduction .....	3
1.1	Purpose of the Request for Expression of Interest (EOI).....	3
1.2	The e-Portal.....	3
1.3	Contracting Authority Overview .....	3
1.4	Contracting Authority Commitment to Procurement 'Best Practice' .....	4
2	Background.....	5
2.1	Details .....	5
2.2	Rationale, Benefits and Objectives.....	5
2.3	Identified Projects and Programmes.....	6
2.4	Background Documentation .....	8
3	Experience and Expertise Required .....	9

## 1 Introduction

### 1.1 Purpose of the Request for Expression of Interest (EOI)

The purpose of the Request for EOI is to allow the Government of Jersey Infrastructure, Housing and Environment (IHE) to gauge interest in, and identify potential tenderers for, a new Liquid Waste Professional Services Framework(s) to replace the current Framework.

IHE now invite eligible Consultants to indicate their interest in providing the services described below. Interested Consultants must provide the information requested to indicate that they are suitably qualified, capable and have capacity to perform the required services.

Consultants may submit their EOI individually or in partnership with others to enhance their experience, expertise and capacity.

Following the EOI, a decision will be made as to whether a market engagement 'event' is required to further raise awareness of the opportunity before formally commencing the procurement event.

### 1.2 The e-Portal

The Request for EOI and any subsequent Procurement are being administered through the use of the e-Portal. Interested parties are also advised that the e-Portal will be used for the purposes of exchanging further information and issue of the Invitation to Tender.

### 1.3 Contracting Authority Overview

The Government of Jersey is the government (<http://www.gov.je>) of the Island of Jersey and is responsible for the management of the Island's finances and operation of its public services. Jersey does not sit within the European Union but as a Public Sector body it applies the principle of transparent procurement practices in accordance within the boundaries of their own laws and financial regulations.

The Government employs in the region of 6,500 staff and is currently organised into the following ONE GOVERNMENT departmental structure: -

- Office of the Chief Executive
- Chief Operating Office
- Customer and Local Services
- Children, Young People, Education and Skills
- Health and Community Services
- Infrastructure, Housing and Environment (The Contracting Authority)
- Justice and Home Affairs
- Strategic Policy, Planning and Performance
- Treasury and Exchequer

The functions of the Departments follow similar roles to the UK Government but on a smaller scale, with diverse requirements.

In addition to the Ministerial Departments, there are several trading bodies (established either as stand-alone, incorporated organisations 100% owned by the Government of Jersey, or established as private-sector organisations with a substantial shareholding held by the Government of Jersey).

Infrastructure, Housing and Environment is an operational entity of the Government of Jersey and has responsibility for minimising the impact of waste on the environment, developing on-Island travel networks that meet the needs of the community and providing well maintained public amenities and infrastructure.

For more information regarding the Contracting Authority, Applicants are directed to the following websites:

- [www.gov.je](http://www.gov.je)
- <http://www.statesassembly.gov.je/>

#### 1.4 Contracting Authority Commitment to Procurement 'Best Practice'

The Contracting Authority understands the level of commitment required to pursue an opportunity such as this. The structure of this Procurement has therefore been designed to ensure a fair, open, non-discriminatory and auditable competitive process.

Further, the Contracting Authority will ensure that any Procurement and Award that arises from the EOI will comply with the requirements of the Government of Jersey's [Public Finances Manual](#).

The procurement process will comprise EOI, Pre-Qualification Questionnaire (PQQ) and Instruction to Tenderers (ITT) stages, including interviews.

## 2 Background

### 2.1 Details

The Government of Jersey's Liquid Waste Strategy (LWS) was the Waste Water Strategy<sup>1</sup>, issued in 2013<sup>2</sup> and approved by the States on 4<sup>th</sup> June 2014. The Bridging Liquid Waste Strategy (LWS) Update 2023-26 completed in July 2022 is following the approach of the Bridging Island Plan 2022-25 (March 2022)<sup>3</sup> in that it is a 'Bridging Plan' for a short period up to 2026. This will lay the groundwork for the full LWS covering 2025 to 2035 in synchronisation with the next Island Plan 2025-35.

The short-term approach of a Bridging Plan has been largely influenced by the uncertainties of Brexit and the pandemic which have meant that trends of the previous two years are known to be exceptional and not necessarily a confident basis for long term planning. The follow-on aspects of the Bridging Island Plan will be developed including an infrastructure roadmap for Jersey and the first Marine Spatial Plan, both of which will have a bearing on the 2025-35 LWS.

This EOI comprises the establishment of a new 3-year Professional Services Framework to support the Liquid Waste Division of Operations and Transport directorate of IHE with the service improvements required to deliver the housing objectives of the Bridging Island Plan 2022-25 as well as those projects identified in the Bridging LWS Update 2023-26, current Government Plans and existing operational and strategic departmental Business Plans. This Framework Agreement(s) is intended to replace the current Framework Agreement with Sweco Ltd from 1st January 2023 onwards.

The Liquid Waste Division manages the public sewerage network on the Island. This comprises 320km of foul sewer network, 186km of surface water drainage network, 66km of foul sewage rising mains, 109 foul sewage pumping stations, the Fort Regent Cavern (stormwater storage tank), 6 surface water pumping stations, the Bonne Nuit Sewage Treatment Works and the Bellozanne Sewage Treatment Works (STW).

The Bridging LWS Update 2023-26 identifies investigations and capital projects (STW and Infrastructure) which are required to improve the capacity and resilience of the existing liquid waste network and treatment infrastructure to accommodate operational requirements, population increase, change in regulation and climate change.

The Liquid Waste Professional Services Framework will support the delivery of the planned investigations and capital programmes as follows:

- Infrastructure Rolling Vote (£6.5 million per annum);
- Foul Sewer Extensions (£1.0 million per annum);
- Rising Mains Replacement (£2.0 million per annum);
- LWS Infrastructure Projects (£8.0-10.0 million per annum); and,
- LWS STW Projects (£6.0 million for 2023-26).

### 2.2 Rationale, Benefits and Objectives

#### Rationale

The Liquid Waste Division require additional technical resources to deliver the strategic projects identified within the Government Plan and Departmental Business Plans, as well as meet the strategic

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<sup>1</sup> [Wastewater Strategy 2013](#)

<sup>2</sup> [Transport and Technical Services public information video](#)

<sup>3</sup> The Bridging Island Plan sets out the Planning policies that will serve to protect and improve the Island's natural and urban environments, whilst meeting the Island's development needs up to 2025.

housing objectives of the Bridging Island Plan 2022-25 and address issues identified in the Bridging LWS Update 2023-26.

### Benefits

The key output from the process will be a comprehensive Professional Services Framework with robust structures and policies to underpin the management and coordination of resources. Potential benefits include:

- Improved efficiency of the Liquid Waste Division, as procurement is carried out once rather than for each project or programme of works of varying magnitude on an individual basis;
- Contractual and commercial compliance;
- Supply chain optimisation;
- Optimised supplier relationship management (SRM) and performance management processes;
- Predictable consultancy service costs through agreed framework rates;
- Market engagement to ensure that rates received are commercially competitive;
- Improved use of Subject Matter Experts;
- Reduced input from procurement support team necessary for future procurement and improved efficiency; and,
- Access to knowledge and skills that are not available locally.

### Objectives:

- Establish an approved scope of technical consultancy requirements.
- Enhance IHE's ability to deliver the capital programme and safeguard the environment.
- Procure professional services from a number of Consultants with multidisciplinary resources and experience from the Water Industry.
- Establish comparable market tested sets of rates from each Consultant that can be applied when procuring from the Professional Services Framework.
- Reduce time spent on procurement exercises for future projects by establishing the Framework.
- Secure specialist expertise to assist the Liquid Waste Division with delivery of a wide variety of Liquid Waste projects.

## 2.3 Identified Projects and Programmes

Multidisciplinary technical resources are required to be appointed to work in collaboration with the Liquid Waste Teams to deliver a number of capital, revenue and strategic projects. The programmes expected to be delivered with the support of the Professional Services Framework Consultants include:

- 2025–35 Liquid Waste Strategy;
- Master Plan Development;
- Bellozanne Biosolids Storage Facility, including Biosolids Dewatering;
- Odour Mitigation;
- Bellozanne Outfall Rehabilitation;
- First Tower Sewage Pumping Station Rising Main replacement;
- Replacement of Bonne Nuit STW;
- Liquid Waste 'Emerging' projects required to meet the housing objectives of the Bridging Island Plan 2022-25;
- Infrastructure Key Projects;
- Infrastructure Rolling Vote projects; and,
- Network modelling.

The Professional Services Framework has been divided into five key programmes to take into consideration the wide range of support required by the Contracting Authority as follows:

- Liquid Waste Strategy and Feasibility Studies

The next full Liquid Waste Strategy (LWS) covering 2025 to 2035 in synchronisation with the next Island Plan 2025-35 is expected to be completed in 2025.

The Bridging LWS Update 2023-26 identifies a programme of investigations and feasibility studies during the period 2022-2025. There is also potential for further feasibility studies to be identified during the Bridging LWS period for specific sites as the capital programme progresses, laying the groundwork for the full LWS.

IHE are seeking professional services within the Framework Agreement to provide specialist expertise to the subject matter and to lead this programme of investigations, feasibility studies and LWS update.

- STW Projects

Following the commissioning of Phase 1A of the new Bellozanne STW later this year and project completion in 2023, the Bridging LWS Update 2023-26 has identified projects that are closely linked to supporting and enhancing the Bellozanne STW in order to optimise the overall treatment services. These have been identified as the 'Liquid Waste Strategy – STW Projects'. Further details are identified in the Bellozanne STW Master Plan Update (2022) as noted in Section 2.2.

IHE are seeking professional services within the Framework Agreement to work with the Liquid Waste Division and lead this programme of STW Projects.

- Emerging and Key Infrastructure Projects

The Bridging LWS Update 2023-26 identifies emerging capital projects which are required to improve the capacity and resilience of the existing liquid waste network and treatment infrastructure to accommodate operational requirements, population increase, change in regulation and climate change. These projects have been identified as the 'Liquid Waste Strategy – Emerging and Key Infrastructure Projects'.

IHE are seeking professional services within the Framework Agreement to work with the Liquid Waste Division and lead this programme of Emerging and Key Infrastructure Projects.

- Infrastructure and Network Upgrades

The Infrastructure and Network Upgrade programmes include:

- Surface Water Separation;
- Relining & Infiltration Reduction;
- Salinity & Septicity Reduction;
- Foul Sewer Extension; and,
- Rising Mains Replacement.

IHE are seeking professional services within the Framework Agreement to support the Drainage Infrastructure Design Team within the Liquid Waste Division to deliver the programmes of services and works covered by the general Infrastructure Rolling Vote, Foul Sewer Extensions and Rising Mains Replacements.

- Ad-hoc Liquid Waste Consultancy Services

IHE are seeking services within the Professional Services Framework to support the Liquid Waste Division through the provision of technical expertise and consultancy services in relation to operational, regulatory, network modelling, governance compliance and project delivery.

The majority of technical expertise and consultancy service requirements will be planned, but some will require reactive input and support. This will include having embedded staff in Jersey under the Framework Agreement for various activities as appropriate. The Liquid Waste Team will provide adequate notice for these services, including the following:

- Rising Mains Investigation & 'Ice Pigging';
- Network Hydraulic Modelling (ICM V6.5);
- Hydraulic Analysis;
- Physical Hydraulic Modelling;
- Surge Analysis;
- Commercial Services; and,
- Specialist Construction Support Services.

## 2.4 Background Documentation

- Waste Water Strategy 2013:  
<https://www.gov.je/Government/Pages/StatesReports.aspx?ReportID=1104>
- Bridging Island Plan 2022-25:  
<https://www.gov.je/PlanningBuilding/LawsRegs/IslandPlan/Pages/BridgingIslandPlan.aspx>
- Bridging LWS Update 2023-26:  
To be provided with the Tender Invitation.
- Bellozanne STW Master Plan Update (2022):  
To be provided with the Tender Invitation.
- Departmental Business Plans:  
<https://www.gov.je/Government/PlanningPerformance/DepartmentalOperationalBusinessPlans/Pages/departentaloperationalbusinessplans2022.aspx>



### 3 Experience and Expertise Required

The Consultant will be required to demonstrate their experience and expertise of delivering projects relating to the various aspects of Liquid Waste Management, including:

- Project management training;
- Project management experience;
- Professional Qualifications relating to industry sector;
- Experience in working with governments and/or local authorities to develop Liquid Waste Strategies;
- Evidence of competent engineering designs delivered;
- Leading studies on commercial viability of Liquid Waste management options;
- Feasibility and environmental studies, options analysis and liquid waste solution development;
- Planning & Design;
- Construction Management;
- Knowledge of industry standards, laws, best-practice;
- The management of liquid waste and nuances working with small island jurisdictions; and,
- Computer network modelling.

The Consultant will be required to provide CVs for the required roles and for any subject matter experts that may be appropriate to the above areas of work, including:

- Lead Framework Liaison with Liquid Waste Team;
- Project Manager(s);
- Structural and Civil Engineering Design Lead;
- Mechanical and Electrical Services Lead;
- Instrumentation, Control & Automation Lead;
- Network Hydraulic Modelling Lead;
- Hydraulic Analysis;
- Surge Analysis;
- Geotechnics Lead; and,
- Process Design Lead.