

Image: Grimshaw Architects



Supplier Guide

March 2018

Introduction

North London Waste Authority (NLWA) is pleased to share its plans for taking forward the North London Heat and Power Project (NLHPP).

We applied for a Development Consent Order for new facilities in October 2015. That Order was confirmed in February 2017. We are now preparing to deliver the promised infrastructure.

We want to alert suppliers to the opportunities. We want to hear views on how best we procure and work with external companies. And we want this exercise to help us build excellent facilities in an efficient way.

The Guide is intended to provide useful context and to be the first part of an ongoing process of information sharing as the project develops. We hope it helps you to decide to bid to be part of creating a vital asset for North London.



Councillor Clyde Loakes
Chair, NLWA



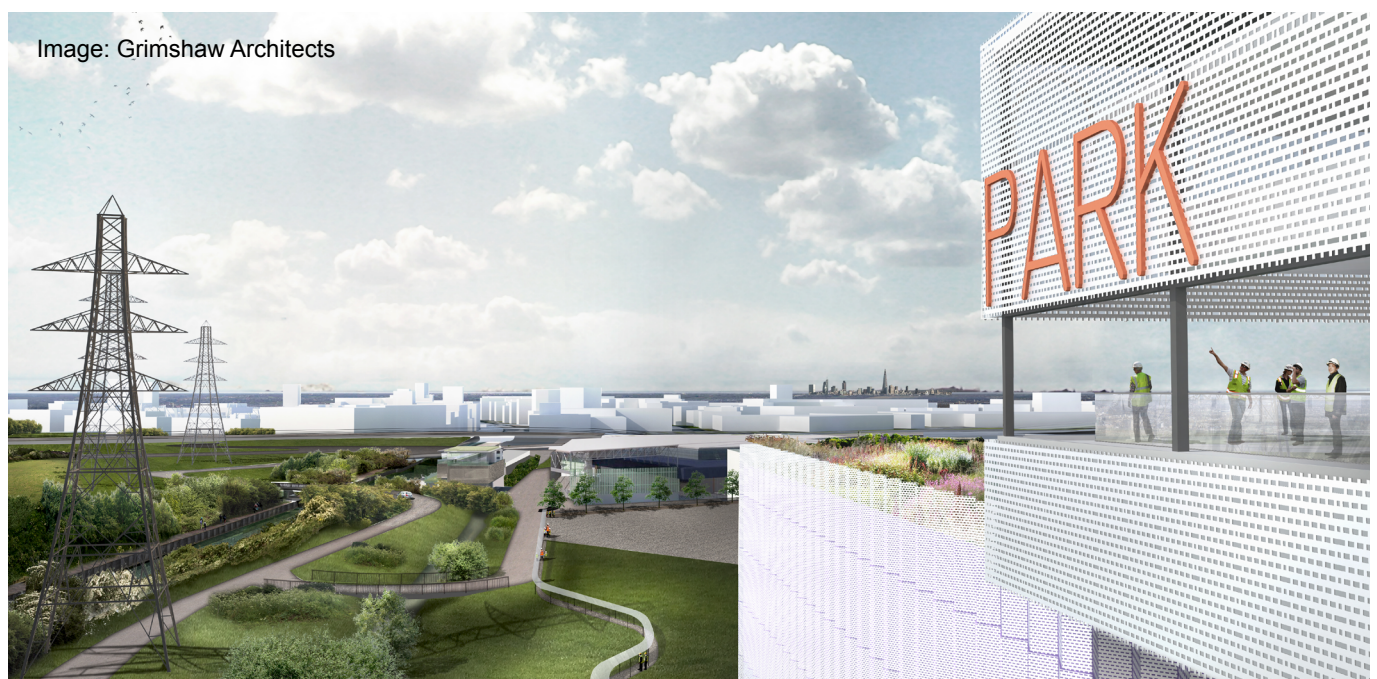
Martin Capstick
Managing Director, NLWA

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This guide has been developed to help potential suppliers find out more about the North London Heat and Power Project. It highlights what is important to us and what will be required from our supply chain.

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About NLWA

North London Waste Authority (NLWA) was established in 1986 and is the statutory waste disposal authority for seven local authorities: Barnet, Camden, Enfield, Hackney, Haringey, Islington and Waltham Forest.

NLWA's primary function is to arrange for the transport and disposal of waste collected by these seven boroughs and to promote waste minimisation and recycling.

Our principal statutory duties are:

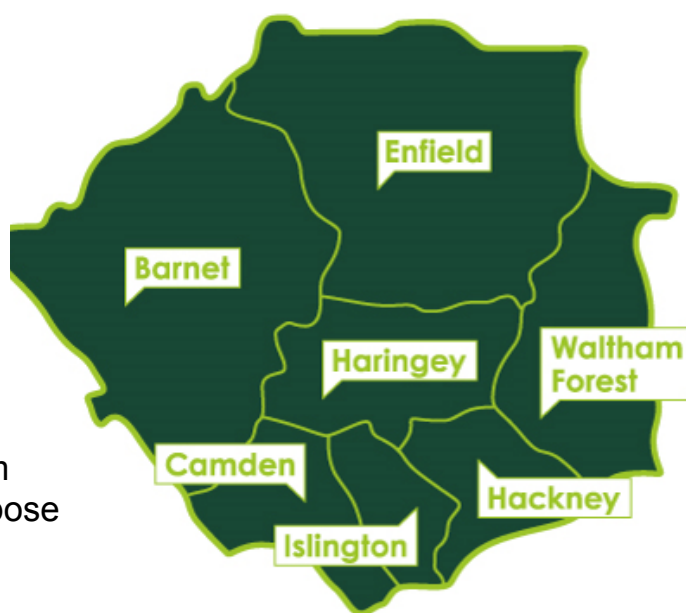
- to arrange the disposal of waste collected by the seven north London boroughs; and
- to transport and dispose of waste from north London's reuse and recycling centres.

We also run awareness campaigns on waste prevention and recycling.

The Authority is made up of 14 councillors, two from each of the seven north London boroughs. It is these 14 councillors that make decisions relating to the disposal of north London's waste.

At present the waste disposal rates are 32% recycled¹, 8% sent to landfill², and 64% sent to our energy from waste facility².

While our target is to increase the proportion of waste which is recycled, there is a long term need to provide facilities that enable us to dispose of waste that cannot be recycled.



¹ Percentage relates to household waste only

² Percentage relates to all waste collected

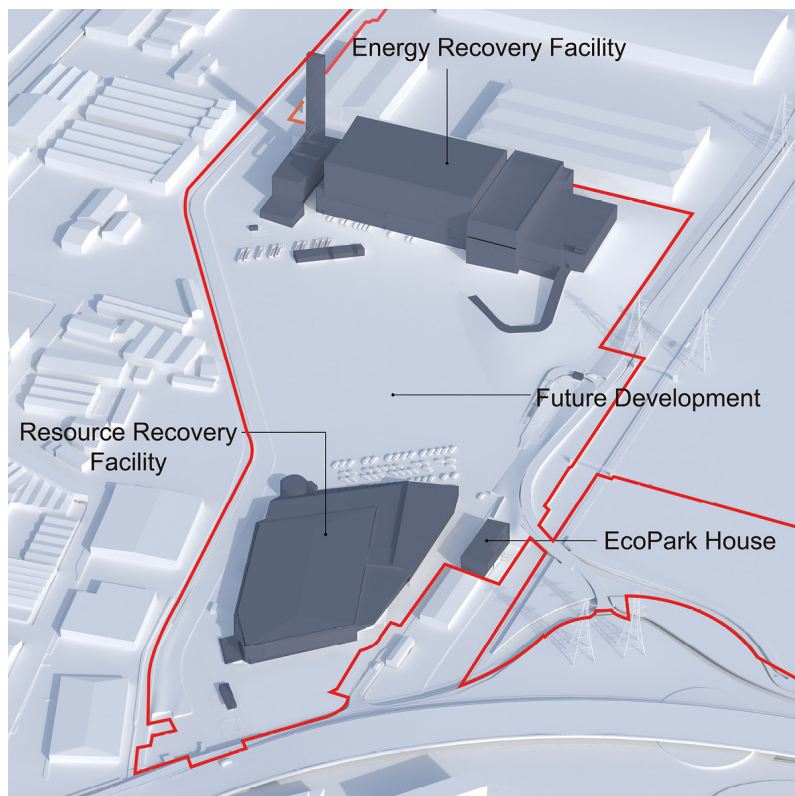
About the Project

The purpose of the North London Heat and Power Project is to replace the energy from waste facility at the EcoPark in Edmonton, which will reach the end of its operational life around 2025.

The components of the NLHPP are:

- an Energy Recovery Facility (ERF), to be located in the north of the site, which will treat up to 700,000 tonnes of residual waste a year and provide enough electricity to power over 127,000 homes, with some energy diverted to supply heat to local homes and businesses via a heat network;
- a Resource Recovery Facility (RRF), to be located in the south of the site, which is where bulky waste will be separated for recycling, and will also be the location of a recycling centre;
- EcoPark House, located near the River Lee Navigation, which will contain office accommodation and a visitors' centre where people can find out more about recycling, waste, heat, and power; and
- demolition and removal of the existing Energy from Waste (EfW) facility once the ERF is operational.

The estimated capital costs for the project are around £650M.



Timetable

The first construction works for the NLHPP will begin in 2019, with the final works being delivered in 2028. This will provide an opportunity for companies who want to be part of a project with a range of construction activities over the next 10 years.

Contracts will be procured throughout the life of the project, with the first tenders being advertised in Q2 2018 and the last in 2025.

The project comprises four implementation steps:

- the Preparatory Works;
- the Building Works (including the RRF and EcoPark House);
- the ERF Works (including construction and commissioning of the ERF); and
- the Post-ERF Works (including demolition of the existing EfW facility).

Further details of the work packages can be found on the pages that follow.



The Preparatory Works

In advance of the main construction activities, a series of early works will be required to prepare the site, provide new utilities and create new site access points. These are the Preparatory Works and will comprise a laydown area, northern and eastern accesses, a utility bridge and corridor and a sewer diversion.

Further information on these works can be found in the table below.

Work Element	Package description	Approximate start of procurement	Approximate construction date
Laydown Area and Eastern Access	Formation of a temporary laydown area to the east of the site (installation of drainage, roads, hardstanding, electrical and water distribution, safety/security systems, etc.) and improvement works to Lee Park Way access and construction of a new eastern access bridge	Q2 2018	Q1 2019 to Q4 2019
Northern Access	Improvement works to Deephams Farm Road, which is north of the site and leads via Ardra Road to Meridian Way		
Sewer Diversion	Diversion of the Chingford and Angel sewers in the south of the site, including temporary and permanent works, manhole/shaft construction, groundwater control, etc.	Q4 2018	Q3 2019 to Q2 2020
Utility Bridge and Corridor	Construction of a new utility bridge to south of site, and new utility corridor along Salmon's Brook (civils works), installation of potable water pipework	Q2 2018	Q1 2019 to Q4 2020
	Temporary diversion and reinstatement of medium pressure gas mains		
	Temporary diversion and reinstatement of 200mm protected water main		
	Installation of a new medium pressure gas main pipework and construction of a new gas kiosk in the north of the site		

Later implementation steps: The Building Works

The Building Works make up the second stage of implementation, and will comprise the RRF construction and northern site clearance, site-wide works, and construction of EcoPark House. These works will not be covered in detail at the Market Information Day on 6 March 2018; a separate market engagement exercise will be held for these works in autumn of 2018.

Further information on these works can be found in the table below.

Work Element	Package description	Approximate start of procurement	Approximate construction date
RRF construction and northern site clearance	Development of the RRF including weighbridges, roads, hardstanding, earthworks, drainage, landscaping, lighting, CCTV and fencing, preparation of the northern area of the site, and replacement ash barn construction	Q2 2019	Q2 2020 to Q3/4 2021
Site-wide Works	Site-wide works in the south will include: surface water and foul drainage networks, temporary firefighting systems, telecoms and CCTV cabling, car parking, exterior lighting, fencing	Q2 2019	Q2 2020 to Q4 2025
	Site-wide works in the north will include: surface water and foul drainage networks, temporary firefighting systems, telecoms and CCTV cabling, car parking, exterior lighting, fencing		
	HV power distribution in south of site, 11kV ring main and associated equipment, cabling and connection points for HV users in south of site		
EcoPark House	Development of EcoPark House including piling works, roads, hardstanding, earthworks drainage, landscaping, fencing, lighting	Q2 2019	Q2 2020 to Q4 2021

Later implementation steps: The ERF Works

The ERF Works make up the third stage of implementation, and will comprise the construction and commissioning of the ERF. These works will not be covered in detail at the Market Information Day on 6 March 2018; a separate market engagement exercise will be held for these works in the summer of 2019.

Further information on these works can be found in the table below.

Work Element	Package description	Approximate start of procurement	Approximate construction date
ERF	Construction and commissioning of the ERF	Q2 2020	Q2 2022 to Q4 2025

The ERF will be fuelled by up to 700,000 tonnes of residual waste each year, enough to power 127,000 homes. It will comprise the following buildings, structures, and plant:

- a main building that will house:
 - a tipping hall, a waste bunker, and waste handling equipment;
 - two process lines (each with a capacity of up to 350,000 tonnes of waste each year);
 - facilities for the recovery of incinerator bottom ash and air pollution control residue;
 - steam turbines for electricity generation including equipment for heat off-take to supply heat to local homes and businesses;
 - a state of the art flue gas cleaning system; and
 - a control room containing the operational and environmental control and monitoring systems and offices;
- cooling equipment and a stack containing flues for flue gas exhaust; and
- a green roof and observation platform enclosure.

Later implementation steps: The Post-ERF Works

The Post-ERF Works make up the final stage of implementation, and will comprise the decommissioning and demolition of the existing EfW facility and the southern access widening. These works will not be covered in detail at the Market Information Day on 6 March 2018.

Further information on these works can be found in the table below.

Work Element	Package description	Approximate start of procurement	Approximate construction date
Decommissioning and Demolition of EfW Facility	Decommissioning, demolition and removal of the existing EfW facility	Q3 2025	Q2 2026 to Q2 2028
Southern Access Widening	Widening of current southern access bridge	Q4 2025	Q3 2026 to Q2 2027

Market engagement

2018 Market Information Day

NLWA is holding a market information day on 6 March 2018 to explain in greater detail our proposals for the Preparatory Works so that interested companies can engage as soon as practicable in the plans.

We will also invite views from the supplier market on the proposed procurement strategy and interfaces between the packages. Procurement of the other packages will be subject to a separate market engagement exercise which will be completed at a later date.

Later Market Information Days

A second market information day will be held on the Building Works (RRF, EcoPark House, and site-wide works) in the autumn of 2018, and a third will be held on the ERF works (construction and commissioning of the ERF) in the summer of 2019. These events will be advertised on our website and in appropriate publications.

Prior Information Notices

Prior Information Notices will be issued for the NLHPP's larger work packages – the RRF, EcoPark House, and the ERF – prior to publication of the contract notices.



Image: Grimshaw Architects

Working with us

Where we advertise opportunities

As a publicly-funded organisation, NLWA is subject to EU procurement directives and the Public Contracts Regulations 2015. This means that we are required to advertise any opportunities above the specified thresholds³ in the Tender's Electronic Daily supplement to the Official Journal of the European Union.

Below these thresholds, we advertise contracts directly. Our contract standing orders require us to advertise any opportunity with a value of £25,000 or more on Contracts Finder.

Opportunities for subcontractors

If you would like your company to be considered as a potential subcontractor, you are welcome to submit your company details to info@northlondonheatandpower.london. NLWA will pass them on to main contractors when appropriate.

Our e-procurement portal

Information on opportunities that we are advertising can be found on the 'Current Tenders' page of our e-procurement portal at www.in-tendhost.co.uk/nlwa.

You will need to create an account to view tender documents.

³ The current thresholds can be found at www.ojec.com/thresholds.aspx



What we want from suppliers

The Project will provide a vital asset for NLWA, ensuring the ongoing ability to dispose of waste responsibly and cost effectively for many years to come. Communities in north London will rightly expect that companies engaged in the project should work to the highest standards of health and safety, work as a 'good neighbour', be committed to equality, diversity and inclusion, and play a positive role in skills development of their workforce.

Health and safety

Managing safety effectively is an essential part of the project and must be managed in conjunction with the existing operations on the project site. To ensure this, NLWA will:

- show strong and active leadership, encouraging the integration of good health and safety management with business decisions; and
- consider how our strategic decision making will affect our ability and that of our suppliers to manage safety effectively.

We will work with suppliers to ensure that they deal with all health and safety matters in accordance with our policies, all relevant regulations, and guidance issued by the Health and Safety Executive generally and specifically to the waste industry.

Equality

NLWA's equality objective states that we will aim to ensure we provide a waste disposal service that is fair, open to all and promotes equality of opportunity. We will therefore work to ensure that any contractors appointed are capable of complying with the duty, understand their obligations, and meet the duty in practice.

Our contracts contain suitable equality obligations on contractors to not discriminate in relation to the provision of services to the public and to employment practices in relation to their staff; where appropriate, procurement procedures include a check of tenderers' equality policies.

Skills

A long term project provides opportunities for companies to develop their staff over the duration of contracts they win. This contributes to an effective industrial strategy. NLWA will therefore be looking for evidence from its contractors as to their plans for growing the skills in their workforce.

Environment

As a key strategic objective of NLWA is to encourage waste minimisation, we will expect contractors to have a strong regard to sustainability in their operations. This also includes demonstrating how they act to minimise adverse effects on local communities.

The NLWA Project Team

NLWA's internal project team was responsible for preparing and promoting the Development Consent Order. This means we have strong knowledge and continuity which will make us a clear and consistent client as the project moves into construction. Our knowledge also covers consultation and working with a range of interested organisations.

In addition, we are supported by a range of expert advisers, including advisers on:

- engineering;
- planning;
- architecture;
- finance; and
- legal issues.

We are currently procuring external input to build up programme management and communications capacity. For contractors this gives confidence that the client will take decisions on the basis of well-informed views, but with a clear line of accountability.





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