

Indicative image of the ERF (Grimshaw Architects)

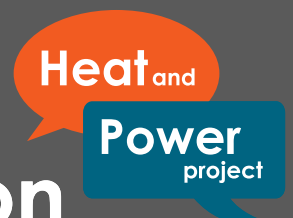


# ERF Supplier Guide

January 2020



nlwa north  
london





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# Introduction

North London Waste Authority (NLWA) is pleased to share its plans for taking forward the North London Heat and Power Project (NLHPP). We are creating a waste management facility in which local communities can take pride, which demonstrates value, and is a model for public sector project delivery.

We applied for a Development Consent Order for new facilities in October 2015 which was confirmed in February 2017. Works to prepare the site for construction started in January 2019.

We want to speak to suppliers about the many opportunities this programme presents. We want to hear your views on how we best procure and work with external companies. And we want this supplier engagement to help us deliver excellent facilities in an efficient way.

This guide is intended to provide useful context and is part of an ongoing process of information sharing as the project progresses. We hope it helps you to decide to bid to be part of creating this vital asset for North London.



Councillor Clyde Loakes  
Chair, NLWA



Martin Capstick  
Managing Director, NLWA



David Cullen  
Programme Director,  
NLHPP

# Contents

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

The sections of the guide are set out below.

<b>5</b>	About NLWA
<b>6</b>	NLHPP Programme
<b>7</b>	ERF Construction Works
<b>8</b>	ERF Construction Works (continued)
<b>9</b>	Other NLHPP Works
<b>10</b>	Working with us
<b>11</b>	What we want from suppliers
<b>12</b>	What we want from suppliers (continued)
<b>13</b>	The NLHPP Project Team
<b>14</b>	Timetable



# About NLWA



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

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

## Our principal statutory duties are:

- To arrange the treatment of waste collected by the seven north London boroughs; and
- To arrange for reuse and recycling centres where residents in the seven north London boroughs can deposit their household waste, or businesses can deposit commercial waste, and arrange for the disposal of this waste.

We also run awareness campaigns on waste prevention and recycling. For more information on our campaigns, please visit [www.wiseuptowaste.org.uk](http://www.wiseuptowaste.org.uk).

The Authority comprises 14 councillors, two from each of the seven north London boroughs. These councillors make decisions relating to the disposal of north London's waste.

At present 30% of household waste in north London is reused, recycled, or composted. 8% of all waste collected is sent to landfill, and 62% sent to energy from waste facilities.

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

For more information about NLWA, please visit [www.nlwa.gov.uk](http://www.nlwa.gov.uk).

## LondonEnergy Ltd.

LondonEnergy Limited (LEL) is owned by NLWA. The company operates with an independent Board and is contracted to provide waste management services for waste reception, recycling and processing for the seven north London boroughs. LEL will operate the new ERF once it is constructed and commissioned. LondonEnergy is based at Edmonton EcoPark, N18 3AG.

You can find out more about LEL at [www.londonenergyltd.com](http://www.londonenergyltd.com).



# NLHPP Programme

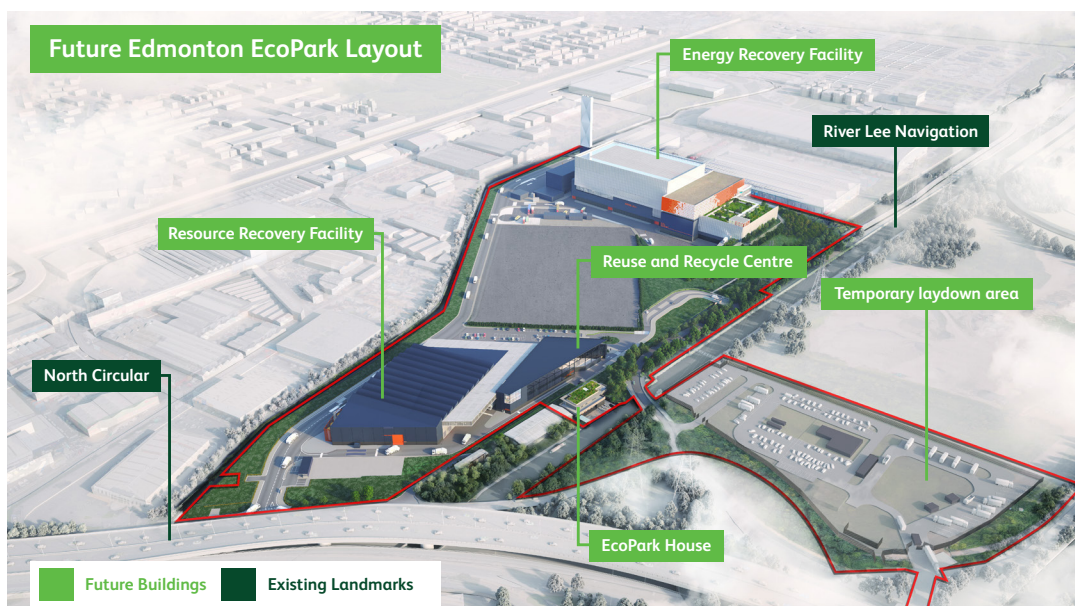
The purpose of the NLHPP is to replace the energy from waste facility at the EcoPark in Edmonton, which will reach the end of its operational life around 2025. A dedicated website exists to provide up-to-date information about the project and contact details to reach the team ([www.northlondonheatandpower.london](http://www.northlondonheatandpower.london)).

## The main components of the NLHPP are:

- **Energy Recovery Facility** to generate low carbon energy from waste, in the form of heat and power.
- **Resource Recovery Facility** to process bulky waste and prepare materials for energy recovery, including a **Reuse and Recycling Centre**, for use by the public.
- **EcoPark House** located on River Lee Navigation including a visitor and education centre.

## The programme will deliver significant social benefits:

- Generate 78 megawatts of power from waste which can supply electricity and heat for 127,000 homes.
- Create over 2,500 job opportunities during construction and operation.
- An impressive programme of 100 apprenticeships and 225 skills training opportunities.
- Treat waste for over 2 million residents in the most cost-effective way.
- Save the equivalent to 215,000 tonnes of CO<sub>2</sub> every year using energy recovery rather than disposing to landfill.
- Improve air quality in north London. The current plant operates 20% better than the permitted levels of nitrogen oxide and the new facility will perform at more than 60% better.



Indicative image of NLHPP site (Grimshaw Architects)

# ERF Construction Works

The ERF construction works make up the third stage of implementation and comprise the construction and commissioning of the ERF.

Work Element	Project description	Approximate start of procurement	Approximate construction
ERF	Construction and commissioning of the ERF	Q3 2020	Q2 2022 to Q2 2025

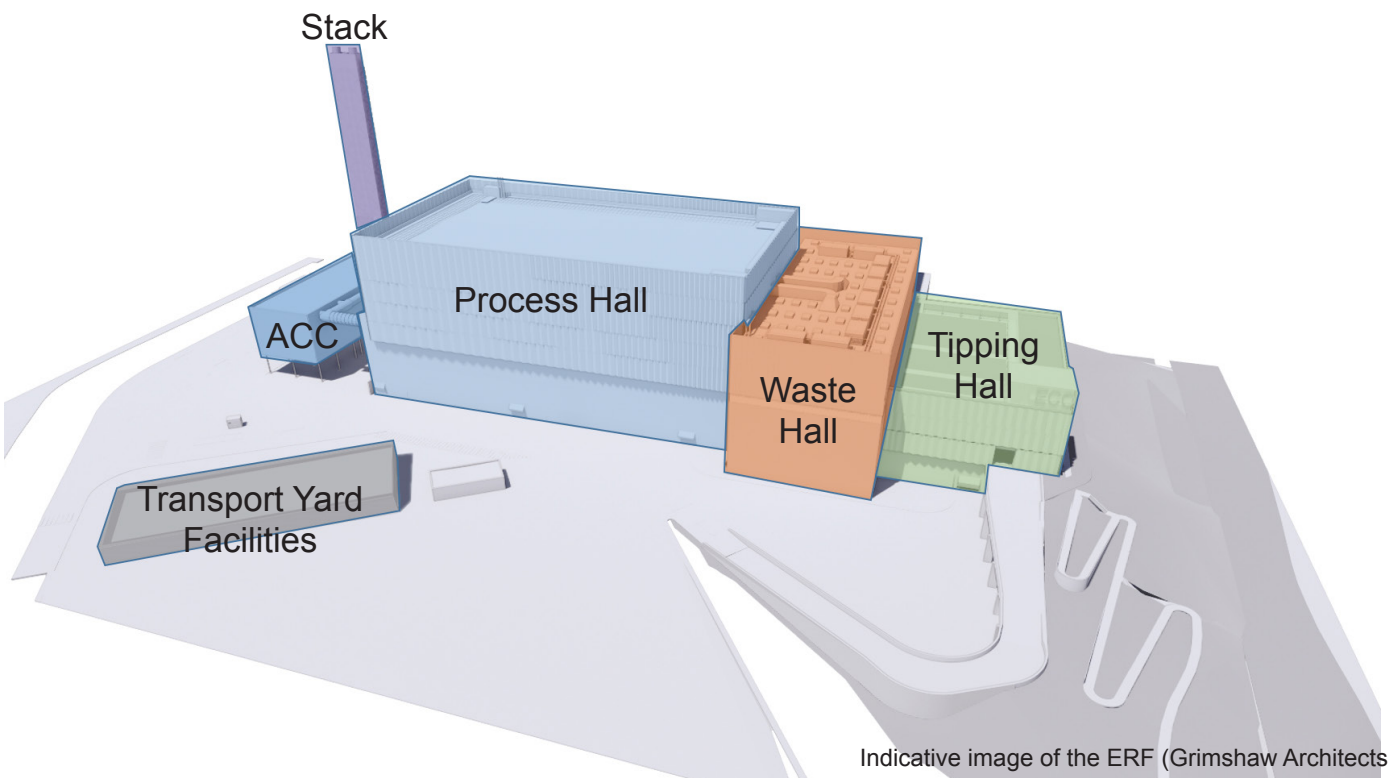
The ERF will be fuelled by up to 700,000 tonnes of residual waste each year, enough to power up to 127,000 homes. It will comprise the following buildings, structures, and plant:

- Two identical process lines each comprising combustion unit, boiler and flue gas treatment system with a common turbine / generator / condensing system and all auxiliary systems
- All civil engineering, buildings, architectural treatment, utilities connection, landscaping and other site works
- ERF Weighbridges, ancillary offices, workshops, parking, stores and maintenance contractors area
- Fuelling Area and Storage
- Vehicle wash
- Administration / Operations Offices and Staff Facilities
- Windshield and Flues
- Cooling Condensers
- Raw Water Pre-Treatment Plant
- ERF Fire Water Tank and associated fire protection systems
- Electrical Substation, Gas Compound, pumping station, works and connections
- Other utility connections including communications and water
- Waste Water Treatment Plant and Associated Works

## Prior Information Notices

A PIN about the proposed works for the ERF was issued to the EU Publications Office on Thursday 19 December 2019. The reference number is **2019/S 247-607948**.

# ERF Construction Works





## Other NLHPP works

Works are currently underway to prepare the site for the ERF, allowing the ERF contractor to move into a site that is ready for construction. These works include:

### Preparatory Works

In advance of the main construction activities to build the ERF, works have been underway since Q1 2019 to prepare the site, provide new utilities and create new site access points. These works make up the first phase of implementation and are called the Preparatory Works. They comprise laydown areas (east and west), northern and eastern accesses, a sewer diversion and clearance of the northern area of the site.

### EcoPark South Works

The EcoPark South works make up the second phase of implementation, and comprise construction of the Resource Recovery Facility (RRF), construction of EcoPark House, and associated utilities works. Procurement for this package of works launched in Q3 2019 and construction is due to commence in Q4 2020 and be complete by Q4 2022.

Following the completion of the ERF, a separate contract will be procured to carry out final site works. This separate contract includes:

### Post-ERF Works

The Post-ERF Works make up the final phase of implementation and will comprise the decommissioning and demolition of the existing Energy from Waste (EfW) facility and the southern access widening. During this phase, works will also take place on the Utility Bridge and Corridor. However, timings for this are subject to NLWA's ongoing discussions with the network operators for the utilities affected.



# Working with us

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 thresholds<sup>1</sup> in the Tender’s Electronic Daily supplement to the Official Journal of the European Union. The requirements will be kept under review following the UK’s departure from the EU.

## 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](mailto:info@northlondonheatandpower.london). NLWA will publish them in an appendix to the document set for subsequent NLHPP procurements, although contractors are not restricted to selecting subcontractors from this list alone.

Being included in this appendix does not preclude your company from tendering as a main contractor for one of our procurements.

## Our e-procurement portal

General information about procurements can be found on the NLHPP website at [www.northlondonheatandpower.london/suppliers](http://www.northlondonheatandpower.london/suppliers). Detailed information on opportunities and how to participate can be found on the ‘Current Tenders’ page of our e-procurement portal at [www.in-tendhost.co.uk/nlwa](http://www.in-tendhost.co.uk/nlwa).



# What we want from suppliers

The NLHPP programme 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 programme should:

- Work to the highest standards of health, safety and wellbeing;
- Work as a 'good neighbour' in compliance with the Considerate Constructors Scheme;
- Be committed to equality, diversity and inclusion at the forefront of employment relations; and
- Play a positive role in skills development of their workforce through apprenticeships and training.



## Health, Safety and Wellbeing

NLWA's number one priority is the health, safety and wellbeing of everyone involved in the programme, as well as those working and living in the local community. Our 'Safety First' campaign underpins this identity across all facets of the organisation.

We want to lead new standards of excellence in health, safety and wellbeing in construction, where everyone can take pride in the absence of incidents, and one of the most advanced safety cultures to work in.

To ensure this, NLWA will:

- Show strong and active leadership, in designing and living the NLHPP safety culture;
- Maintain an open, collaborative and continually improving environment;
- Require active participation of all stakeholders, across all levels of the NLHPP programme; and
- Integrate health, safety and wellbeing in every activity undertaken in the NLHPP programme.

We will work with suppliers to ensure that they deal with all health, safety and wellbeing 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.

# What we want from suppliers (cont.)



## Equality

NLWA's equality objective states that we will aim to ensure we provide a waste service that is fair, open to all, and promotes equality of opportunity. We will therefore work to ensure that any contractors appointed can comply 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 employment practices in relation to their staff. Procurement procedures include a check of tenderers' equality policies.

## Employment Relations

It is NLWA's vision to be a positive model for good employment relations and workforce standards in the construction sector.

We will implement this via an Employment Relations Policy which all contractors will align to, thus ensuring the workforce on the NLHPP are treated with respect and fairness.

## Skills, Apprenticeships and Training

NLWA is committed to delivering apprenticeships and training opportunities. The Development Consent Order obliges us to deliver 100 apprenticeships and 225 on-site skills training opportunities during construction of the NLHPP Programme. We want to work with our suppliers to maximise these opportunities.

For the ERF contract we are committed to delivering 75 apprenticeships and 150 training opportunities.

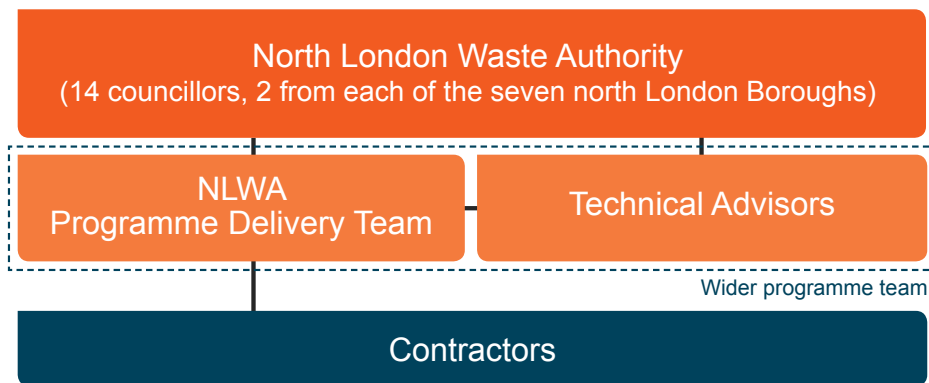
In addition, a long-term programme provides opportunities for companies to develop their staff over the duration of the contracts they win. This contributes to an effective industrial strategy. NLWA will therefore be looking for evidence from its contractors that they intend to grow the skills within 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 includes demonstrating how they act to minimise adverse effects on local communities.

# The NLHPP Programme Team

NLWA has a dedicated programme delivery team, acting as the client, for delivery of the NLHPP Programme. The Authority’s programme delivery team is a multi-disciplinary team encompassing delivery, management, technical, legal, financial and commercial. The programme delivery team will have an appointed Project Manager responsible for the delivery and coordination of each project.



We are supported by a range of expert advisers, including advisers on programme management, engineering, architecture, planning, finance, communications, and legal issues. For contractors this gives confidence that the client will take decisions based on well-informed views, with a clear line of accountability.



# Timetable

The NLHPP will provide opportunities for companies who want to be part of a programme with a range of construction activities over the next 10 years. The first construction works began in Q1 2019, and the final works are scheduled to be delivered in 2031.

Contracts will be procured throughout the life of the NLHPP programme. The first tenders were advertised in June 2018; we expect the last to be advertised in 2028.

## The programme comprises four implementation phases:

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

Further information about can be found at: [www.northlondonheatandpower.london](http://www.northlondonheatandpower.london)



Preparatory Works		EcoPark South Works		ERF Construction		Post-ERF Works	
Works began 2019	Works end 2023	Works begin 2020	Works end 2023	Works begin 2022	Works end 2025	Works begin 2027	Works end 2031



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