Energy from Waste (EfW) Heat Network Directory

Recovering energy from waste that would otherwise be destined for landfill is an essential part of the United Kingdom's waste management system. This is primarily achieved through thermal treatment where residual waste – the material left over after recycling – is combusted in specialist Energy-from-Waste (EfW) plants to generate heat, which in turn raises steam in a boiler that drives a turbine to produce electrical energy.

As of early 2025, there were 63 operational energy-from-waste plants in the UK and, between them, these facilities have the capacity to process 19.3 million tonnes of residual waste each year, while contributing to 3.6% per cent of the UK's total net electricity generation in 2024, or 10,040 GWh[1].

However, there is significant unrealised potential to extract not just electrical energy, but also heat energy from the majority of these facilities. Making the most of this heat could be critical to delivering cost-effective heat decarbonisation in the UK's urban areas.

The opportunity for heat decarbonisation

Heating buildings is the single largest source of greenhouse gas emissions in our energy system. If we are to reach net zero, it is imperative that the UK makes significant progress to decarbonise the generation of steam for industrial processes and heat for residential and commercial buildings during the 2020s and the 2030s.

However, decarbonising heat is a complex task. It is likely to require a patchwork of heat electrification, the use of zero carbon gases, such as hydrogen, and a greater role for large-scale heat networks. With respect to the latter,

[1] Tolvik (2025) – UK Energy from Waste Statistics 2024

the Department for Energy Security and Net Zero (DESNZ) anticipates that low carbon heat networks will have to meet the heating and hot water demands of 1.5m homes by 2030 and 27.5TWh in non-residential buildings - up from about 420,000 domestic consumers and a total of just under 18TWh for total UK domestic and non-domestic generation today. The Committee on Climate Change also modelled that the UK's heat supply from heat networks will have to grow from 3% to 18% by 2050.

Decarbonising at this scale will require major policy intervention from Government, alongside ambitious action from industry, and must start now.

Recovering energy from waste in the UK

Energy from Waste (EfW) plants have a clear role to play helping the United Kingdom meet these requirements. Although the UK currently has a fleet of more than 63 EfW plants, less than a quarter of them export the heat they generate, which is in stark contrast to plants in continental Europe where the vast majority export heat and electricity.

Utilising heat from UK plants would not only support heat decarbonisation but would also improve the efficiency of these plants in accordance with recent Government commitments in the Resources and Waste Strategy for England – while also maximising their contribution to achieving a sectoral target of net-zero GHG emissions by 2040.

The opportunity for the Energy from Waste sector

From a heat network perspective, EfW plants can provide large volumes of heat on a consistent basis relatively nearby to significant heating demand. Heat from EfW operations is likely to be one of the most cost-effective sources of low carbon heat for UK towns and cities and, given the high temperature of the Energy from Waste process, these plants are particularly well suited to meet the needs of all building types, even those that have not yet been subject to a full energy- efficiency retrofit.

Furthermore, EfW heat networks protect users against energy price volatility, since the energy generated is produced as a by-product of long-term waste management contracts and is not therefore subject to the global market forces affecting other fuel sources.

The purpose of this Energy from Waste heat network directory

Delivering greater heat network offtake from these facilities will require collaboration between many different parties. To facilitate this collaboration the ESA has, for the first time, published a directory of individual EfW plants and their heat offtake potential, which we hope will form a useful platform to start discussions between parties. All of the available details for each of our participating members' plants is recorded below in this document. The ESA is happy to facilitate further discussions and to support where we can.

EfW Heat Network Directory

FCC Environment – Allington

The operator will review this document every 2 years at a minimum to capture changing data over time.

Date of completion of the Directory	31/03/2025

Operator

Organisation	FCC
Facility	Allington
Address	FCC Environment Laverstoke Road 20/20 Business Park ME16 0LE
Contact Details	

Name	Tony Stanbridge
Telephone No.	01622 697218
Email Address	Tony.Stanbridge@fccenvironment.co.uk

Owner/Organisational Structure (Describe)

Company Structure
Not Applicable
Corporate structure of EfW operation
Kent Enviropower Limited
Individuals involved and responsibilities
Juergen Schaper - Operations Director

Waste Source (Describe)

When was the Plant Commissioned (Date)	2008	
Remaining Concession Period	13	Years
Is the Concession Renewable	Depends on negotiations	Yes/No

Quantity of Heat Available

Annually	250000	MWh_th
Daily	685	MWh_th
Minimum Output		MWth
Maximum Output (Peak)		MWth
Heat Plant Annual Availability	90	%
Heat Availability Guaranteed	No	Yes/No
What would be the max efficiency the plant can achieve with max heat export	Unknown	%
Is thermal back-up plant available	No	Yes/No
If “Yes” to above how much (Peak)	n/a	MWth
What is the backup plants fuel source	n/a	

If "No" to above is space available onsite to build backup plant facility	Yes	Yes/No
Are you already supplying heat to an heat off-take customer	No	Yes/No
If "yes" confirm capacity	n/a	MWth

System Parameters

Primary Circuit		
Medium (Select one.)	Steam	
Maximum Supply Temperature	160	°C
Minimum Supply Temperature	90	°C
Supply Pressure	6	BarG
Maximum Condensate Return Temperature		°C
Minimum Condensate Return Temperature		°C
Condensate System Operating Pressure	4	BarG
Secondary LTHW Circuit – if applicable		
Maximum Supply Temperature		°C
Minimum Supply Temperature		°C
Maximum Return Temperature		°C
Minimum Return Temperature		°C
System Operating Pressure		BarG
Will the heat provided be sacrificial to Electricity generation	Yes	Yes/No
If "Yes" how much electricity will be lost annually	Depends on the contract	MWe
Electricity Carbon Factor (Calculation as defined in SAP)		kgCO2/kWh

Heat Carbon Factor (Calculation as defined in SAP)		kgCO2/kWh

EfW Heat Network Directory

Thalia – Allerton EfW

The operator will review this document every 2 years at a minimum to capture changing data over time.

Date of completion of the Directory	21/11/2024

Operator

Organisation	Thalia Waste Management
Facility	Allerton Waste Recovery Park - EfW
Address	Allerton Waste Recovery Park Knaresborough North Yorkshire HG5 0SD

Contact Details	
Name	Fiza Hussain
Telephone No.	07707866929
Email Address	fiza.hussain@Thalia.co.uk

Owner/Organisational Structure

Company Structure
Wholly Owned
Corporate structure of EfW operation
Allerton EfW operated by Thalia under contract with North Yorkshire Waste
Individuals involved and responsibilities
Jamie Hambretch - Process Engineer Dan Smith - Operations Manager

Waste Source

When was the Plant Commissioned (Date)	2018	
Remaining Concession Period		Years
Is the Concession Renewable		Yes/No

Quantity of Heat Available

Annually	504368.40	MWh_th
Daily	1625.68	MWh_th
Minimum Output	20.32	MWth
Maximum Output (Peak)	75.1	MWth
Heat Plant Annual Availability	85	%
Heat Availability Guaranteed	No	Yes/No
What would be the max efficiency the plant can achieve with max heat export	85	%
Is thermal back-up plant available	No	Yes/No
If “Yes” to above how much (Peak)		MWth
What is the backup plants fuel source		

If "No" to above is space available onsite to build backup plant facility	Yes	Yes/No
Are you already supplying heat to an heat off-take customer	No	Yes/No
If "yes" confirm capacity		MWth

System Parameters

Primary Circuit		
Medium (Select one.)	LTHW, Condensate, Steam	Condensate
Maximum Supply Temperature		°C
Minimum Supply Temperature		°C
Supply Pressure		BarG
Maximum Condensate Return Temperature	56	°C
Minimum Condensate Return Temperature	34	°C
Condensate System Operating Pressure	0.17	BarG
Secondary LTHW Circuit – if applicable		
Maximum Supply Temperature		°C
Minimum Supply Temperature		°C
Maximum Return Temperature		°C
Minimum Return Temperature		°C
System Operating Pressure		BarG
Will the heat provided be sacrificial to Electricity generation	No	Yes/No
If "Yes" how much electricity will be lost annually		MWe

Electricity Carbon Factor (Calculation as defined in SAP)	TBC	kgCO2/kWh
Heat Carbon Factor (Calculation as defined in SAP)	TBC	kgCO2/kWh

EfW Heat Network Directory

Viridor – Ardley ERF

The operator will review this document every 2 years at a minimum to capture changing data over time.

Date of completion of the Directory	28/04/2025

Operator

Organisation	Viridor
Facility	Ardley ERF
Address	Middleton Stoney Road Ardley Bicester OX27 7AA

Contact Details	
Name	Leon Brackstone
Telephone No.	07801 172917
Email Address	lbrackstone@viridor.co.uk

Owner/Organisational Structure (Describe)

Company Structure
Wholly Owned
Corporate structure of EfW operation
Owner / Local Council
Individuals involved and responsibilities

Waste Source (Describe)

When was the Plant Commissioned (Date)	2014	
Remaining Concession Period		
Is the Concession Renewable		Yes/No

Quantity of Heat Available

Annually	73,737	MWh_th
Daily	222	MWh_th
Minimum Output	TBA	MWth
Maximum Output (Peak)	9.3	MWth
Heat Plant Annual Availability	9.1	%
Heat Availability Guaranteed	TBC	Yes/No
What would be the max efficiency the plant can achieve with max heat export	8.9	%
Is thermal back-up plant available	No	Yes/No
If “Yes” to above how much (Peak)	Not Applicable	MWth
What is the backup plants fuel source	Not Applicable	

If "No" to above is space available onsite to build backup plant facility	Yes	Yes/No
Are you already supplying heat to an heat off-take customer	No	Yes/No
If "yes" confirm capacity	Not Applicable	MWth

System Parameters

Primary Circuit		
Medium (Select one.)	Steam	
Maximum Supply Temperature	112	°C
Minimum Supply Temperature	105	°C
Supply Pressure	1.5	BarG
Maximum Condensate Return Temperature	TBA	°C
Minimum Condensate Return Temperature	TBA	°C
Condensate System Operating Pressure	TBA	BarG
Secondary LTHW Circuit – if applicable		
Maximum Supply Temperature	Not Applicable	°C
Minimum Supply Temperature	Not Applicable	°C
Maximum Return Temperature	Not Applicable	°C
Minimum Return Temperature	Not Applicable	°C
System Operating Pressure	Not Applicable	BarG
Will the heat provided be sacrificial to Electricity generation	Yes	Yes/No
If "Yes" how much electricity will be lost annually	TBA	MWe
Electricity Carbon Factor (Calculation as defined in SAP)	0.136	kgCO2/kWh
Heat Carbon Factor (Calculation as defined in SAP)	0.096	kgCO2/kWh

EfW Heat Network Directory

Viridor – Avonmouth ERF

The operator will review this document every 2 years at a minimum to capture changing data over time.

Date of completion of the Directory	28/04/2025

Operator

Organisation	Viridor
Facility	Avonmouth ERF
Address	Severn Road Chittening Somerset BS11 0YU

Contact Details	
Name	Leon Brackstone
Telephone No.	07801 172917
Email Address	lbrackstone@viridor.co.uk

Owner/Organisational Structure (Describe)

Company Structure
Wholly Owned
Corporate structure of EfW operation
Owner
Individuals involved and responsibilities

Waste Source (Describe)

When was the Plant Commissioned (Date)	2020	
Remaining Concession Period		
Is the Concession Renewable		Yes/No

Quantity of Heat Available

Annually	135,517	MWh_th
Daily	408	MWh_th
Minimum Output	TBA	MWth
Maximum Output (Peak)	17	MWth
Heat Plant Annual Availability	91	%
Heat Availability Guaranteed	TBC	Yes/No
What would be the max efficiency the plant can achieve with max heat export	14.8	%
Is thermal back-up plant available	No	Yes/No
If “Yes” to above how much (Peak)	Not Applicable	MWth
What is the backup plants fuel source	Not Applicable	

If "No" to above is space available onsite to build backup plant facility	Yes	Yes/No
Are you already supplying heat to an heat off-take customer	No	Yes/No
If "yes" confirm capacity	Not Applicable	MWth

System Parameters

Primary Circuit		
Medium (Select one.)	Steam	
Maximum Supply Temperature	140	°C
Minimum Supply Temperature	TBA	°C
Supply Pressure	3.6	BarG
Maximum Condensate Return Temperature	80	°C
Minimum Condensate Return Temperature	TBA	°C
Condensate System Operating Pressure	TBA	BarG
Secondary LTHW Circuit – if applicable		
Maximum Supply Temperature	Not Applicable	°C
Minimum Supply Temperature	Not Applicable	°C
Maximum Return Temperature	Not Applicable	°C
Minimum Return Temperature	Not Applicable	°C
System Operating Pressure	Not Applicable	BarG
Will the heat provided be sacrificial to Electricity generation	Yes	Yes/No
If "Yes" how much electricity will be lost annually	2.63	MWe
Electricity Carbon Factor (Calculation as defined in SAP)	0.136	kgCO2/kWh
Heat Carbon Factor (Calculation as defined in SAP)	0.085	kgCO2/kWh

EfW Heat Network Directory

Veolia – Battlefield ERF

The operator will review this document every 2 years at a minimum to capture changing data over time.

Date of completion of the Directory	25/10/2024

Operator

Organisation	Veolia
Facility	Battlefield ERF
Address	Vanguard Way Shrewsbury SY1 3TG
Contact Details	
Name	Gary Weaver
Telephone No.	07876 501544
Email Address	n/a

Owner/Organisational Structure (Describe)

Company Structure
Corporate structure of EfW operation
Individuals involved and responsibilities

Waste Source (Describe)

When was the Plant Commissioned (Date)	2015	
Remaining Concession Period	16	Years
Is the Concession Renewable	Yes	

Quantity of Heat Available

Annually	Not Applicable	MWh_th
Daily	Not Applicable	MWh_th
Minimum Output	0	MWth
Maximum Output (Peak)	15	MWth
Heat Plant Annual Availability	94.7	%
Heat Availability Guaranteed	No	Yes/No
What would be the max efficiency the plant can achieve with max heat export		%
Is thermal back-up plant available	No	Yes/No
If “Yes” to above how much (Peak)	Not Applicable	MWth
What is the backup plants fuel source	Not Applicable	
If “No” to above is space available onsite to build backup plant facility	Tbc	Yes/No
Are you already supplying heat to an heat off-take customer	No	Yes/No
If “yes” confirm capacity	Not Applicable	MWth

System Parameters

Primary Circuit		
Medium (Select one.)	Steam	
Maximum Supply Temperature		°C
Minimum Supply Temperature		°C
Supply Pressure		BarG
Maximum Condensate Return Temperature		°C
Minimum Condensate Return Temperature		°C
Condensate System Operating Pressure		BarG
Secondary LTHW Circuit – if applicable		
Maximum Supply Temperature		°C
Minimum Supply Temperature		°C
Maximum Return Temperature		°C
Minimum Return Temperature		°C
System Operating Pressure		BarG
Will the heat provided be sacrificial to Electricity generation	Yes	Yes/No
If “Yes” how much electricity will be lost annually	Tbc depending on load	MWe
Electricity Carbon Factor (Calculation as defined in SAP)	tbc	kgCO2/kWh
Heat Carbon Factor (Calculation as defined in SAP)	tbc	kgCO2/kWh

EfW Heat Network Directory

Viridor – Beddington ERF

The operator will review this document every 2 years at a minimum to capture changing data over time.

Date of completion of the Directory	28/04/2025

Operator

Organisation	Viridor
Facility	Beddington ERF
Address	105 Beddington Line Beddington London CR0 4TD

Contact Details	
Name	Leon Brackstone
Telephone No.	07801 172917
Email Address	lbrackstone@viridor.co.uk

Owner/Organisational Structure (Describe)

Company Structure
Wholly Owned
Corporate structure of EfW operation
Owner / Local Council
Individuals involved and responsibilities

Waste Source (Describe)

When was the Plant Commissioned (Date)	2018	
Remaining Concession Period		
Is the Concession Renewable		Yes/No

Quantity of Heat Available

Annually	119,574	MWh_th
Daily	360	MWh_th
Minimum Output	0.75	MWth
Maximum Output (Peak)	15.0	MWth
Heat Plant Annual Availability	91	%
Heat Availability Guaranteed	TBC	Yes/No
What would be the max efficiency the plant can achieve with max heat export	15.6	%
Is thermal back-up plant available	No	Yes/No
If “Yes” to above how much (Peak)	Not Applicable	MWth
What is the backup plants fuel source	Not Applicable	

If "No" to above is space available onsite to build backup plant facility	Unknown	Yes/No
Are you already supplying heat to an heat off-take customer	No	Yes/No
If "yes" confirm capacity	Not Applicable	MWth

System Parameters

Primary Circuit		
Medium (Select one.)	Steam	
Maximum Supply Temperature	144	°C
Minimum Supply Temperature	141	°C
Supply Pressure	4.0	BarG
Maximum Condensate Return Temperature	120	°C
Minimum Condensate Return Temperature	TBA	°C
Condensate System Operating Pressure	3.62	BarG
Secondary LTHW Circuit – if applicable		
Maximum Supply Temperature	Not Applicable	°C
Minimum Supply Temperature	Not Applicable	°C
Maximum Return Temperature	Not Applicable	°C
Minimum Return Temperature	Not Applicable	°C
System Operating Pressure	Not Applicable	BarG
Will the heat provided be sacrificial to Electricity generation	Yes	Yes/No
If "Yes" how much electricity will be lost annually	3.27	MWe
Electricity Carbon Factor (Calculation as defined in SAP)	0.136	kgCO2/kWh
Heat Carbon Factor (Calculation as defined in SAP)	0.092	kgCO2/kWh

EfW Heat Network Directory

Suez – Bolton

The operator will review this document every 2 years at a minimum to capture changing data over time.

Date of completion of the Directory	11/12/2024

Operator

Organisation	Suez
Facility	Bolton
Address	Hurstwood Court Raikes Lane Industrial Estate Bolton BL3 2NP
Contact Details	

Name	Alan Sheridan
Telephone No.	(+44) 7977731138
Email Address	alan.sheridan@suez.com

Owner/Organisational Structure (Describe)

Company Structure
Corporate structure of EfW operation
Client Ownership with O&M Contract
Individuals involved and responsibilities
Gary Mayson (COO) Tim Otley (National Energy Director) Mat Kay (Energy Director North) Simon Vanston-Rumney (Plant Manager)

Waste Source (Describe)

When was the Plant Commissioned (Date)	1999	
Remaining Concession Period		Years
Is the Concession Renewable		Yes/No

Quantity of Heat Available

Annually	324,800	MWh_th
Daily	974	MWh_th
Minimum Output	0	MWth
Maximum Output (Peak)	7	MWth
Heat Plant Annual Availability	1	%
Heat Availability Guaranteed	No	Yes/No
What would be the max efficiency the plant can achieve with max heat export	TBD	%
Is thermal back-up plant available	No	Yes/No
If “Yes” to above how much (Peak)	n/a	MWth

What is the backup plants fuel source	n/a	
If "No" to above is space available onsite to build backup plant facility	n/a	Yes/No
Are you already supplying heat to an heat off-take customer	No	Yes/No
If "yes" confirm capacity	n/a	MWth

System Parameters

Primary Circuit		
Medium (Select one.)	Low Pressure Steam	
Maximum Supply Temperature	Tbd	°C
Minimum Supply Temperature	Tbd	°C
Supply Pressure	1	BarG
Maximum Condensate Return Temperature	Tbd	°C
Minimum Condensate Return Temperature	Tbd	°C
Condensate System Operating Pressure	Tbd	BarG
Secondary LTHW Circuit – if applicable		
Maximum Supply Temperature	n/a	°C
Minimum Supply Temperature	n/a	°C
Maximum Return Temperature	n/a	°C
Minimum Return Temperature	n/a	°C
System Operating Pressure	n/a	BarG
Will the heat provided be sacrificial to Electricity generation	n/a	Yes/No
If "Yes" how much electricity will be lost annually	Dependent on customer take off	MWe

Electricity Carbon Factor (Calculation as defined in SAP)	0.557 (Suez EfW Average)	kgCO2/kWh
Heat Carbon Factor (Calculation as defined in SAP)	0.403	kgCO2/kWh

EfW Heat Network Directory

Viridor – Cardiff ERF

The operator will review this document every 2 years at a minimum to capture changing data over time.

Date of completion of the Directory	28/04/2025

Operator

Organisation	Viridor
Facility	Cardiff ERF
Address	Trident Park Glass Avenue Cardiff Glamorgan

	CF24 5EN
Contact Details	
Name	Leon Brackstone
Telephone No.	07801 172917
Email Address	lbrackstone@viridor.co.uk

Owner/Organisational Structure (Describe)

Company Structure
Wholly Owned
Corporate structure of EfW operation
Owner / Local Authority
Individuals involved and responsibilities

Waste Source (Describe)

When was the Plant Commissioned (Date)	2015	
Remaining Concession Period		
Is the Concession Renewable		Yes/No

Quantity of Heat Available

Annually	119,574	MWh_th
Daily	360	MWh_th
Minimum Output	0.80	MWth
Maximum Output (Peak)	15.0	MWth
Heat Plant Annual Availability	91	%
Heat Availability Guaranteed	TBC	Yes/No
What would be the max efficiency the plant can achieve with max heat export	11.7	%
Is thermal back-up plant available	Yes (by Cardiff Heat Network Ltd.)	Yes/No

If "Yes" to above how much (Peak)	7.5MW in 1st Phase (up to 15MW later)	MWth
What is the backup plants fuel source	Natural Gas	
If "No" to above is space available onsite to build backup plant facility	Not Applicable	Yes/No
Are you already supplying heat to an heat off-take customer	CHP Plant under construction / commissioning	Yes/No
If "yes" confirm capacity	Not Applicable	MWth

System Parameters

Primary Circuit		
Medium (Select one.)	Steam	
Maximum Supply Temperature	111	°C
Minimum Supply Temperature	92	°C
Supply Pressure	1.47	BarG
Maximum Condensate Return Temperature	95	°C
Minimum Condensate Return Temperature	90	°C
Condensate System Operating Pressure	0.88	BarG
Secondary LTHW Circuit – if applicable		
Maximum Supply Temperature	Not Applicable	°C
Minimum Supply Temperature	Not Applicable	°C
Maximum Return Temperature	Not Applicable	°C
Minimum Return Temperature	Not Applicable	°C
System Operating Pressure	Not Applicable	BarG
Will the heat provided be sacrificial to Electricity generation	Yes	Yes/No
If "Yes" how much electricity will be lost annually	1.37	MWe
Electricity Carbon Factor (Calculation as defined in SAP)	0.136	kgCO2/kWh
Heat Carbon Factor (Calculation as defined in SAP)	0.046	kgCO2/kWh

EfW Heat Network Directory

Veolia – Chineham ERF

The operator will review this document every 2 years at a minimum to capture changing data over time.

Date of completion of the Directory	25/10/2024

Operator

Organisation	Veolia
Facility	Chineham ERF
Address	Whitmarsh Ln Chineham Basingstoke RG24 8LL
Contact Details	
Name	Shaun McCluskey
Telephone No.	
Email Address	

Owner/Organisational Structure (Describe)

Company Structure
Corporate structure of EfW operation
Operated by Veolia
Individuals involved and responsibilities

Waste Source (Describe)

When was the Plant Commissioned (Date)	2004	
Remaining Concession Period	10	Years
Is the Concession Renewable		

Quantity of Heat Available

Annually		MWh_th
Daily	48	MWh_th
Minimum Output		MWth
Maximum Output (Peak)	15	MWth
Heat Plant Annual Availability	92.2	%
Heat Availability Guaranteed	No	Yes/No
What would be the max efficiency the plant can achieve with max heat export		%
Is thermal back-up plant available	No	Yes/No
If “Yes” to above how much (Peak)	Not Applicable	MWth
What is the backup plants fuel source	Not Applicable	
If “No” to above is space available onsite to build backup plant facility	No	Yes/No
Are you already supplying heat to an heat off-take customer	No	Yes/No
If “yes” confirm capacity	Not Applicable	MWth

System Parameters

Primary Circuit		
Medium (Select one.)	Steam	
Maximum Supply Temperature		°C
Minimum Supply Temperature		°C
Supply Pressure		BarG
Maximum Condensate Return Temperature		°C
Minimum Condensate Return Temperature		°C
Condensate System Operating Pressure		BarG
Secondary LTHW Circuit – if applicable		
Maximum Supply Temperature		°C
Minimum Supply Temperature		°C
Maximum Return Temperature		°C
Minimum Return Temperature		°C
System Operating Pressure		BarG
Will the heat provided be sacrificial to Electricity generation	Yes	Yes/No
If “Yes” how much electricity will be lost annually	Tbc depending on load	MWe
Electricity Carbon Factor (Calculation as defined in SAP)	tbc	kgCO2/kWh
Heat Carbon Factor (Calculation as defined in SAP)	tbc	kgCO2/kWh

EfW Heat Network Directory

Suez – Cornwall ERC

The operator will review this document every 2 years at a minimum to capture changing data over time.

Date of completion of the Directory	11/12/2024

Operator

Organisation	Suez
Facility	Cornwall ERC
Address	St Dennis Saint Austell Cornwall PL26 8DY
Contact Details	

Name	Allan Chapman
Telephone No.	01726 878866
Email Address	allan.chapman@suez.com

Owner/Organisational Structure (Describe)

Company Structure
Corporate structure of EfW operation
SPV with O&M contract in place.
Individuals involved and responsibilities
Gary Mayson (COO) Tim Otley (National Energy Director) Paul Leighton (Energy Director South) Tony Burge (Plant Manager)

Waste Source (Describe)

When was the Plant Commissioned (Date)	2017	
Remaining Concession Period		Years
Is the Concession Renewable	Yes	Yes/No

Quantity of Heat Available

Annually	41,620	MWh_th
Daily	139.2	MWh_th
Minimum Output	0	MWth
Maximum Output (Peak)	5.8	MWth
Heat Plant Annual Availability	81.9	%
Heat Availability Guaranteed	No	Yes/No
What would be the max efficiency the plant can achieve with max heat export	25	%
Is thermal back-up plant available	No	Yes/No
If “Yes” to above how much (Peak)	n/a	MWth

What is the backup plants fuel source	n/a	
If "No" to above is space available onsite to build backup plant facility	No	Yes/No
Are you already supplying heat to an heat off-take customer	No	Yes/No
If "yes" confirm capacity	n/a	MWth

System Parameters

Primary Circuit		
Medium (Select one.)	Steam	
Maximum Supply Temperature	171	°C
Minimum Supply Temperature	171	°C
Supply Pressure	6.7	BarG
Maximum Condensate Return Temperature	110	°C
Minimum Condensate Return Temperature	46	°C
Condensate System Operating Pressure	3.8	BarG
Secondary LTHW Circuit – if applicable		
Maximum Supply Temperature	n/a	°C
Minimum Supply Temperature	n/a	°C
Maximum Return Temperature	n/a	°C
Minimum Return Temperature	n/a	°C
System Operating Pressure	n/a	BarG
Will the heat provided be sacrificial to Electricity generation	Yes	Yes/No
If "Yes" how much electricity will be lost annually	35,162	MWe

Electricity Carbon Factor (Calculation as defined in SAP)	0.557 (Suez EfW Average)	kgCO2/kWh
Heat Carbon Factor (Calculation as defined in SAP)	n/a	kgCO2/kWh

EfW Heat Network Directory

The Coventry and Solihull Waste Disposal Company Ltd – Coventry EFW

The operator will review this document every 2 years at a minimum to capture changing data over time.

Date of completion of the Directory	22/11/2024

Operator

Organisation	The Coventry and Solihull Waste Disposal Company Ltd (CSWDC)
Facility	Coventry EFW

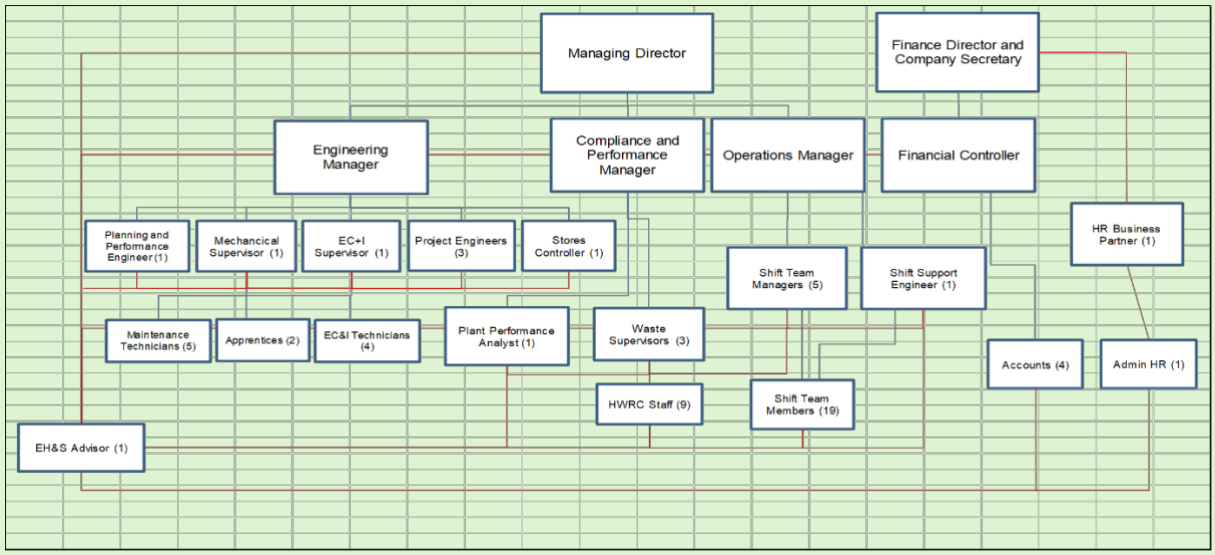
Address	The Coventry and Solihull Waste Disposal Company Ltd (CSWDC) Bar Road Coventry CV3 4 AN
Contact Details	
Name	Elaine Price, Compliance and Performance Manager
Telephone No.	024 7650 7400
Email Address	info@cswdc.co.uk

Owner/Organisational Structure (Describe)

Company Structure

The Coventry & Solihull Waste Disposal Company (CSWDC) is an independent waste management company and our main business is extracting energy (heat and electrical power) from municipal and commercial solid waste.

Based to the south of the City, we have been operating in Coventry since 1975. CSWDC also operates a Household Waste Recycling Centre on behalf of Coventry City Council, where residents in the city are able to bring their household waste for recycling and disposal.



Heat from burning waste produces steam in the boilers at 17.5 bar pressure and 208°C. The steam feeds two steam turbine generators, producing 12.5MW. and 4.8MW of electricity for internal power needs and export to the National Grid

CSWDC provides heat to the Coventry District Energy Company (CDEC) – BRING who operate the scheme that provides heat via a 6.6km network of buried pipes to consumers in the city centre, delivering significant carbon savings.
More than 44MW of energy-from-waste capacity.
77MW of total plant thermal capacity
Incorporates a 600,000-litre thermal storage vessel for additional resilience
Gives customers a carbon saving of approximately 89% compared with a conventional stand-alone gas-fired system
Could save up to 25,000 tonnes of carbon if the system's full capacity is utilised

BRING Contacts - bringenergy.com
Rhys Major - Commercial Manager, rhys.major@bringenergy.com,07890948490
Luca Giunta - Head of Engineering Development luca.giunta@bringenergy.com
Mark Brown - Contract Manager, mark.brown@bringenergy.com, 07867142578

Corporate structure of EfW operation

We are an independent single site company.
CSWDC's Shareholders are Coventry City Council (coventry.gov.uk), Solihull Metropolitan Borough Council (solihull.gov.uk), Warwickshire County Council (warwickshire.gov.uk) and Leicestershire County Council (leicestershire.gov.uk).

Individuals involved and responsibilities

CSWDC contacts
Karl Starkey Managing Director
Chris Penson Finance Director
Elaine Price Compliance and Performance Manager
Stuart Barnet Engineering Manager
Phil Burgess Operations Manager
Ranvir Sahota Financial Controller

Waste Source (Describe)

When was the Plant Commissioned (Date)	Operating since 1975	
Remaining Concession Period	31/03/2041	Years
Is the Concession Renewable	No - Not Existing Plant	Yes/No

Quantity of Heat Available

Annually	12600 used in current network not full capacity of steam that is available	MWh_th
Daily	34.5 used in current network not full capacity of steam that is available	MWh_th
Minimum Output	0	MWth
Maximum Output (Peak)	12	MWth
Heat Plant Annual Availability	100	%
Heat Availability Guaranteed	YES	Yes/No
What would be the max efficiency the plant can achieve with max heat export	n/a	%
Is thermal back-up plant available	BRING hires in boilers – Yes	Yes/No
If “Yes” to above how much (Peak)	12	MWth
What is the backup plants fuel source	Diesel	
If “No” to above is space available onsite to build backup plant facility	n/a	Yes/No

Are you already supplying heat to an heat off-take customer	Yes	Yes/No
If "yes" confirm capacity	As above currently what's used in current scheme – more steam is available	MWth

System Parameters

Primary Circuit (data provided by BRING)		
Medium (Select one.)	Steam	
Maximum Supply Temperature	120	°C
Minimum Supply Temperature	112	°C
Supply Pressure	5	BarG
Maximum Condensate Return Temperature	95	°C
Minimum Condensate Return Temperature	85	°C
Condensate System Operating Pressure	1.5	BarG
Secondary LTHW Circuit – if applicable		
Maximum Supply Temperature	95	°C
Minimum Supply Temperature	90	°C
Maximum Return Temperature	70	°C
Minimum Return Temperature	55	°C
System Operating Pressure	3	BarG
Will the heat provided be sacrificial to Electricity generation	NO	Yes/No
If "Yes" how much electricity will be lost annually		MWe

Electricity Carbon Factor (Calculation as defined in SAP)	0.519	kgCO2/kWh
Heat Carbon Factor (Calculation as defined in SAP)	0.058	kgCO2/kWh

EfW Heat Network Directory

FCC Environment – Dudley EfW

The operator will review this document every 2 years at a minimum to capture changing data over time.

Date of completion of the Directory	31/03/2025

Operator

Organisation	FCC
Facility	Dudley EfW
Address	Lister Road Dudley DY2 8JW
Contact Details	
Name	Rob Hayward

Telephone No.	01902 352864
Email Address	rob.hayward@fccenvironment.co.uk

Owner/Organisational Structure (Describe)

Company Structure
Corporate structure of EfW operation
Individuals involved and responsibilities
Juergen Schaper - Operations Director

Waste Source (Describe)

When was the Plant Commissioned (Date)	14th February 1998	
Remaining Concession Period	1	Years
Is the Concession Renewable	Depends on negotiations	Yes/No

Quantity of Heat Available

Annually	33000	MWh_th
Daily	90	MWh_th
Minimum Output		MWth
Maximum Output (Peak)		MWth
Heat Plant Annual Availability	0	%
Heat Availability Guaranteed	No	Yes/No
What would be the max efficiency the plant can achieve with max heat export	Unknown	%
Is thermal back-up plant available	No	Yes/No
If “Yes” to above how much (Peak)	n/a	MWth
What is the backup plants fuel source	n/a	

If "No" to above is space available onsite to build backup plant facility	Yes	Yes/No
Are you already supplying heat to an heat off-take customer	No	Yes/No
If "yes" confirm capacity	n/a	MWth

System Parameters

Primary Circuit		
Medium (Select one.)	Steam	
Maximum Supply Temperature	335	°C
Minimum Supply Temperature	90	°C
Supply Pressure	44	BarG
Maximum Condensate Return Temperature	55	°C
Minimum Condensate Return Temperature	25	°C
Condensate System Operating Pressure	-1	BarG
Secondary LTHW Circuit – if applicable		
Maximum Supply Temperature		°C
Minimum Supply Temperature		°C
Maximum Return Temperature		°C
Minimum Return Temperature		°C
System Operating Pressure		BarG
Will the heat provided be sacrificial to Electricity generation		Yes/No
If "Yes" how much electricity will be lost annually		MWe
Electricity Carbon Factor (Calculation as defined in SAP)		kgCO2/kWh

Heat Carbon Factor (Calculation as defined in SAP)		kgCO2/kWh

EfW Heat Network Directory

Viridor – Dunbar ERF

The operator will review this document every 2 years at a minimum to capture changing data over time.

Date of completion of the Directory	28/04/2025

Operator

Organisation	Viridor
Facility	Dunbar ERF
Address	Oxwell Mains Dunbar East Lothian EH42 1SW

Contact Details	
Name	Leon Brackstone
Telephone No.	07801 172917
Email Address	lbrackstone@viridor.co.uk

Owner/Organisational Structure (Describe)

Company Structure
Wholly Owned
Corporate structure of EfW operation
Owner
Individuals involved and responsibilities

Waste Source (Describe)

When was the Plant Commissioned (Date)	2019	
Remaining Concession Period		
Is the Concession Renewable		Yes/No

Quantity of Heat Available

Annually	135,517	MWh_th
Daily	408	MWh_th
Minimum Output	TBA	MWth
Maximum Output (Peak)	17	MWth
Heat Plant Annual Availability	91	%
Heat Availability Guaranteed	TBC	Yes/No
What would be the max efficiency the plant can achieve with max heat export	15.9	%
Is thermal back-up plant available	No	Yes/No
If “Yes” to above how much (Peak)	Not Applicable	MWth
What is the backup plants fuel source	Not Applicable	

If "No" to above is space available onsite to build backup plant facility	Unknown	Yes/No
Are you already supplying heat to an heat off-take customer	No	Yes/No
If "yes" confirm capacity	Not Applicable	MWth

System Parameters

Primary Circuit		
Medium (Select one.)	Steam	
Maximum Supply Temperature	252	°C
Minimum Supply Temperature	TBA	°C
Supply Pressure	5.1	BarG
Maximum Condensate Return Temperature	90	°C
Minimum Condensate Return Temperature	TBA	°C
Condensate System Operating Pressure	TBA	BarG
Secondary LTHW Circuit – if applicable		
Maximum Supply Temperature	95	°C
Minimum Supply Temperature	TBC	°C
Maximum Return Temperature	75	°C
Minimum Return Temperature	TBA	°C
System Operating Pressure	0.85	BarG
Will the heat provided be sacrificial to Electricity generation	Yes	Yes/No
If "Yes" how much electricity will be lost annually	3.78	MWe
Electricity Carbon Factor (Calculation as defined in SAP)	0.136	kgCO2/kWh
Heat Carbon Factor (Calculation as defined in SAP)	0.084	kgCO2/kWh

EfW Heat Network Directory

FCC Environment – Eastcroft

The operator will review this document every 2 years at a minimum to capture changing data over time.

Date of completion of the Directory	31/03/2025

Operator

Organisation	FCC
Facility	Eastcroft
Address	Incinerator Road Off Meadow Lane Nottingham Nottinghamshire NG2 3JH

Contact Details	
Name	Ashley Corke
Telephone No.	7817641299
Email Address	ashley.corke@fccenvironment.co.uk

Owner/Organisational Structure (Describe)

Company Structure
n/a
Corporate structure of EfW operation
WasteNotts Reclamation Limited
Individuals involved and responsibilities
Juergen Schaper - Operations Director

Waste Source (Describe)

When was the Plant Commissioned (Date)	1972	
Remaining Concession Period	6	Years
Is the Concession Renewable	Depends on negotiations	Yes/No

Quantity of Heat Available

Annually	380,000	MWh_th
Daily	1000	MWh_th
Minimum Output	0	MWth
Maximum Output (Peak)	1600	MWth
Heat Plant Annual Availability	90	%
Heat Availability Guaranteed	No	Yes/No
What would be the max efficiency the plant can achieve with max heat export	13.5	%
Is thermal back-up plant available	Yes	Yes/No
If “Yes” to above how much (Peak)		MWth
What is the backup plants fuel source	Fuel Oil	

If “No” to above is space available onsite to build backup plant facility		Yes/No
Are you already supplying heat to an heat off-take customer	Yes	Yes/No
If “yes” confirm capacity	980 per day	MWth

System Parameters

Primary Circuit		
Medium (Select one.)	Condensate	
Maximum Supply Temperature	150	°C
Minimum Supply Temperature	90	°C
Supply Pressure	9	BarG
Maximum Condensate Return Temperature	100	°C
Minimum Condensate Return Temperature	70	°C
Condensate System Operating Pressure	9	BarG
Secondary LTHW Circuit – if applicable		
Maximum Supply Temperature	78	°C
Minimum Supply Temperature	70	°C
Maximum Return Temperature	135	°C
Minimum Return Temperature	50	°C
System Operating Pressure	6	BarG
Will the heat provided be sacrificial to Electricity generation	No	Yes/No
If “Yes” how much electricity will be lost annually		MWe
Electricity Carbon Factor (Calculation as defined in SAP)	n/a	kgCO2/kWh

Heat Carbon Factor (Calculation as defined in SAP)	n/a	kgCO2/kWh

EfW Heat Network Directory

Viridor – Exeter ERF

The operator will review this document every 2 years at a minimum to capture changing data over time.

Date of completion of the Directory	28/04/2025

Operator

Organisation	Viridor
Facility	Exeter ERF
Address	Grace Road South Exeter EX2 8QE
Contact Details	

Name	Leon Brackstone
Telephone No.	07801 172917
Email Address	lbrackstone@viridor.co.uk

Owner/Organisational Structure (Describe)

Company Structure
Wholly Owned
Corporate structure of EfW operation
Owner / Local Council
Individuals involved and responsibilities

Waste Source (Describe)

When was the Plant Commissioned (Date)	2014	
Remaining Concession Period		
Is the Concession Renewable		Yes/No

Quantity of Heat Available

Annually	55,801	MWh_th
Daily	168	MWh_th
Minimum Output	TBA	MWth
Maximum Output (Peak)	7.0	MWth
Heat Plant Annual Availability	91	%
Heat Availability Guaranteed	TBC	Yes/No
What would be the max efficiency the plant can achieve with max heat export	35.2	%
Is thermal back-up plant available	No	Yes/No
If “Yes” to above how much (Peak)	Not Applicable	MWth
What is the backup plants fuel source	Not Applicable	
If “No” to above is space available onsite to build backup plant facility	Not within current boundaries	Yes/No

Are you already supplying heat to an heat off-take customer	No	Yes/No
If "yes" confirm capacity	Not Applicable	MWth

System Parameters

Primary Circuit		
Medium (Select one.)	Steam	
Maximum Supply Temperature	147	°C
Minimum Supply Temperature	TBA	°C
Supply Pressure	4.7	BarG
Maximum Condensate Return Temperature	TBA	°C
Minimum Condensate Return Temperature	TBA	°C
Condensate System Operating Pressure	TBA	BarG
Secondary LTHW Circuit – if applicable		
Maximum Supply Temperature	Not Applicable	°C
Minimum Supply Temperature	Not Applicable	°C
Maximum Return Temperature	Not Applicable	°C
Minimum Return Temperature	Not Applicable	°C
System Operating Pressure	Not Applicable	BarG
Will the heat provided be sacrificial to Electricity generation	Yes	Yes/No
If "Yes" how much electricity will be lost annually	1.55	MWe
Electricity Carbon Factor (Calculation as defined in SAP)	0.136	kgCO2/kWh
Heat Carbon Factor (Calculation as defined in SAP)	0.120	kgCO2/kWh

EfW Heat Network Directory

enfinium – Ferrybridge FM1

The operator will review this document every 2 years at a minimum to capture changing data over time.

Date of completion of the Directory	22/10/2024

Operator

Organisation	enfinium
Facility	Ferrybridge FM1
Address	Ferrybridge, Kirkhaw Lane,

	Knottingley, West Yorkshire, WF11 8DX
Contact Details	
Name	Nick Minnitt
Telephone No.	07423 694845
Email Address	Nick.minnitt@enfinium.co.uk

Owner/Organisational Structure (Describe)

Company Structure
Corporate structure of EfW operation
Board, Management Team
Individuals involved and responsibilities

Waste Source (Describe)

When was the Plant Commissioned (Date)	July 2015	
Remaining Concession Period	n/a	Years
Is the Concession Renewable	n/a	Yes/No

Quantity of Heat Available

Annually	160,000	MWh_th
Daily	438	MWh_th
Minimum Output	0	MWth
Maximum Output (Peak)	20	MWth
Heat Plant Annual Availability	~90%	%
Heat Availability Guaranteed	No	Yes/No
What would be the max efficiency the plant can achieve with max heat export	-	%
Is thermal back-up plant available	No	Yes/No

If “Yes” to above how much (Peak)	-	MWth
What is the backup plants fuel source	-	
If “No” to above is space available onsite to build backup plant facility	Yes	Yes/No
Are you already supplying heat to an heat off-take customer	No	Yes/No
If “yes” confirm capacity	-	MWth

System Parameters

Primary Circuit		
Medium (Select one.)	Steam	
Maximum Supply Temperature	110	°C
Minimum Supply Temperature	-	°C
Supply Pressure		BarG
Maximum Condensate Return Temperature		°C
Minimum Condensate Return Temperature		°C
Condensate System Operating Pressure		BarG
Secondary LTHW Circuit – if applicable		
Maximum Supply Temperature	Not applicable	°C
Minimum Supply Temperature	Not applicable	°C
Maximum Return Temperature	Not applicable	°C
Minimum Return Temperature	Not applicable	°C
System Operating Pressure	Not applicable	BarG
Will the heat provided be sacrificial to Electricity generation	Yes	Yes/No
If “Yes” how much electricity will be lost annually	4	MWe

Electricity Carbon Factor (Calculation as defined in SAP)		kgCO2/kWh
Heat Carbon Factor (Calculation as defined in SAP)	0.015	kgCO2/kWh

EfW Heat Network Directory

enfinium – Ferrybridge FM2

The operator will review this document every 2 years at a minimum to capture changing data over time.

Date of completion of the Directory	22/10/2024

Operator

Organisation	enfinium
Facility	Ferrybridge FM2
Address	Fryston Ln, Knottingley

	WF11 8AJ
Contact Details	
Name	Nick Minnitt
Telephone No.	07423 694845
Email Address	Nick.minnitt@enfinium.co.uk

Owner/Organisational Structure (Describe)

Company Structure
Corporate structure of EfW operation
Board, Management Team
Individuals involved and responsibilities

Waste Source (Describe)

When was the Plant Commissioned (Date)	July 2015	
Remaining Concession Period	n/a	Years
Is the Concession Renewable	n/a	Yes/No

Quantity of Heat Available

Annually	160,000	MWh_th
Daily	438	MWh_th
Minimum Output	0	MWth
Maximum Output (Peak)	20	MWth
Heat Plant Annual Availability	~90%	%
Heat Availability Guaranteed	No	Yes/No
What would be the max efficiency the plant can achieve with max heat export	-	%
Is thermal back-up plant available	No	Yes/No
If “Yes” to above how much (Peak)	-	MWth
What is the backup plants fuel source	-	

If “No” to above is space available onsite to build backup plant facility	Yes	Yes/No
Are you already supplying heat to an heat off-take customer	No	Yes/No
If “yes” confirm capacity	-	MWth

System Parameters

Primary Circuit		
Medium (Select one.)	Steam	
Maximum Supply Temperature	110	°C
Minimum Supply Temperature	100	°C
Supply Pressure	12	BarG
Maximum Condensate Return Temperature	Not Specified	°C
Minimum Condensate Return Temperature	Not Specified	°C
Condensate System Operating Pressure	Not Specified	BarG
Secondary LTHW Circuit – if applicable		
Maximum Supply Temperature	Not applicable	°C
Minimum Supply Temperature	Not applicable	°C
Maximum Return Temperature	Not applicable	°C
Minimum Return Temperature	Not applicable	°C
System Operating Pressure	Not applicable	BarG
Will the heat provided be sacrificial to Electricity generation	Yes	Yes/No
If “Yes” how much electricity will be lost annually	4	MWe
Electricity Carbon Factor (Calculation as defined in SAP)		kgCO2/kWh

Heat Carbon Factor (Calculation as defined in SAP)	0.015	kgCO2/kWh

EfW Heat Network Directory

Viridor – Glasgow ERF

The operator will review this document every 2 years at a minimum to capture changing data over time.

Date of completion of the Directory	28/04/2025

Operator

Organisation	Viridor
Facility	Glasgow ERF
Address	425 Polmadie Road Glasgow Scotland G42 0PJ

Contact Details	
Name	Leon Brackstone
Telephone No.	07801 172917
Email Address	lbrackstone@viridor.co.uk

Owner/Organisational Structure (Describe)

Company Structure
Wholly Owned
Corporate structure of EfW operation
Owner / Local Council
Individuals involved and responsibilities

Waste Source (Describe)

When was the Plant Commissioned (Date)	2019	
Remaining Concession Period		
Is the Concession Renewable		Yes/No

Quantity of Heat Available

Annually	102,036	MWh_th
Daily	307	MWh_th
Minimum Output	TBA	MWth
Maximum Output (Peak)	12.8	MWth
Heat Plant Annual Availability	91	%
Heat Availability Guaranteed	TBC	Yes/No
What would be the max efficiency the plant can achieve with max heat export	21.9	%
Is thermal back-up plant available	No	Yes/No
If “Yes” to above how much (Peak)	Not Applicable	MWth
What is the backup plants fuel source	Not Applicable	

If "No" to above is space available onsite to build backup plant facility	Yes	Yes/No
Are you already supplying heat to an heat off-take customer	No	Yes/No
If "yes" confirm capacity	Not Applicable	MWth

System Parameters

Primary Circuit		
Medium (Select one.)	Steam	
Maximum Supply Temperature	170	°C
Minimum Supply Temperature	TBA	°C
Supply Pressure	3.0	BarG
Maximum Condensate Return Temperature	95	°C
Minimum Condensate Return Temperature	TBA	°C
Condensate System Operating Pressure	TBA	BarG
Secondary LTHW Circuit – if applicable		
Maximum Supply Temperature	Not Applicable	°C
Minimum Supply Temperature	Not Applicable	°C
Maximum Return Temperature	Not Applicable	°C
Minimum Return Temperature	Not Applicable	°C
System Operating Pressure	Not Applicable	BarG
Will the heat provided be sacrificial to Electricity generation	Yes	Yes/No
If "Yes" how much electricity will be lost annually	2.49	MWe
Electricity Carbon Factor (Calculation as defined in SAP)	0.136	kgCO2/kWh
Heat Carbon Factor (Calculation as defined in SAP)	0.092	kgCO2/kWh

EfW Heat Network Directory

FCC Environment – Greatmoor EfW

The operator will review this document every 2 years at a minimum to capture changing data over time.

Date of completion of the Directory	31/03/2025

Operator

Organisation	FCC
Facility	Greatmoor EfW
Address	Greatmoor Road Woodham Aylesbury HP18 0AF
Contact Details	

Name	Stephen Rawlinson
Telephone No.	01296 323660
Email Address	steve.rawlinson@fccenvironment.co.uk

Owner/Organisational Structure (Describe)

Company Structure
n/a
Corporate structure of EfW operation
FCC Buckinghamshire Limited
Individuals involved and responsibilities
Juergen Schaper - Operations Director

Waste Source (Describe)

When was the Plant Commissioned (Date)	January 2016	
Remaining Concession Period	25	Years
Is the Concession Renewable	Depends on negotiations	Yes/No

Quantity of Heat Available

Annually	891,768	MWh_th
Daily	2443.2	MWh_th
Minimum Output	10 (est)	MWth
Maximum Output (Peak)	101.8	MWth
Heat Plant Annual Availability	90	%
Heat Availability Guaranteed	No	Yes/No
What would be the max efficiency the plant can achieve with max heat export	Unknown	%
Is thermal back-up plant available	No	Yes/No
If “Yes” to above how much (Peak)	n/a	MWth
What is the backup plants fuel source	n/a	

If "No" to above is space available onsite to build backup plant facility	Yes	Yes/No
Are you already supplying heat to an heat off-take customer	No	Yes/No
If "yes" confirm capacity	n/a	MWth

System Parameters

Primary Circuit		
Medium (Select one.)	Steam	
Maximum Supply Temperature	180	°C
Minimum Supply Temperature	90	°C
Supply Pressure	3.5-4.6	BarG
Maximum Condensate Return Temperature	80	°C
Minimum Condensate Return Temperature	50	°C
Condensate System Operating Pressure	-1	BarG
Secondary LTHW Circuit – if applicable		
Maximum Supply Temperature	n/a	°C
Minimum Supply Temperature	n/a	°C
Maximum Return Temperature	n/a	°C
Minimum Return Temperature	n/a	°C
System Operating Pressure	n/a	BarG
Will the heat provided be sacrificial to Electricity generation	Yes	Yes/No
If "Yes" how much electricity will be lost annually	3MW (est)	MWe

Electricity Carbon Factor (Calculation as defined in SAP)	No data available due to CO2 neutral	kgCO2/kWh
Heat Carbon Factor (Calculation as defined in SAP)	No data available due to CO2 neutral	kgCO2/kWh

EfW Heat Network Directory

FCC Environment – Hartlebury

The operator will review this document every 2 years at a minimum to capture changing data over time.

Date of completion of the Directory	31/03/2025

Operator

Organisation	FCC
Facility	Hartlebury
Address	Hartlebury Trading Estate Worcestershire DY10 4JD
Contact Details	
Name	Jasen Jordan

Telephone No.	01452 379 886
Email Address	jasen.jordan@severnwaste.co.uk

Owner/Organisational Structure (Describe)

Company Structure
Corporate structure of EfW operation
Individuals involved and responsibilities
Juergen Schaper - Operations Director

Waste Source (Describe)

When was the Plant Commissioned (Date)	March 2017	
Remaining Concession Period	18	Years
Is the Concession Renewable	Depends on negotiations	Yes/No

Quantity of Heat Available

Annually	125000	MWh_th
Daily	300	MWh_th
Minimum Output	0	MWth
Maximum Output (Peak)	16	MWth
Heat Plant Annual Availability	90	%
Heat Availability Guaranteed	No	Yes/No
What would be the max efficiency the plant can achieve with max heat export	Unknown	%
Is thermal back-up plant available	No	Yes/No
If “Yes” to above how much (Peak)	n/a	MWth
What is the backup plants fuel source	n/a	
If “No” to above is space available onsite to build backup plant facility	Yes	Yes/No

Are you already supplying heat to an heat off-take customer	No	Yes/No
If "yes" confirm capacity	n/a	MWth

System Parameters

Primary Circuit		
Medium (Select one.)	Steam	
Maximum Supply Temperature		°C
Minimum Supply Temperature		°C
Supply Pressure		BarG
Maximum Condensate Return Temperature		°C
Minimum Condensate Return Temperature		°C
Condensate System Operating Pressure		BarG
Secondary LTHW Circuit – if applicable		
Maximum Supply Temperature		°C
Minimum Supply Temperature		°C
Maximum Return Temperature		°C
Minimum Return Temperature		°C
System Operating Pressure		BarG
Will the heat provided be sacrificial to Electricity generation		Yes/No
If "Yes" how much electricity will be lost annually		MWe
Electricity Carbon Factor (Calculation as defined in SAP)		kgCO2/kWh
Heat Carbon Factor (Calculation as defined in SAP)		kgCO2/kWh

EfW Heat Network Directory

Indaver NESS Services Ltd. – NESS Energy Project

The operator will review this document every 2 years at a minimum to capture changing data over time.

Date of completion of the Directory	12/11/2024

Operator

Organisation	Indaver NESS Services Ltd.
Facility	NESS EfW
Address	Greenbank Crescent, Aberdeen, AB12 3BG
Contact Details	
Name	John Little
Telephone No.	+44 7901 946485
Email Address	john.little@indaver.com

Owner/Organisational Structure (Describe)

Company Structure
Corporate structure of EfW operation
Operated by Indaver under contract with EFW NESS Ltd on behalf of Aberdeen City, Aberdeenshire, and Moray Council.
Individuals involved and responsibilities

Waste Source (Describe)

When was the Plant Commissioned (Date)	2023	
Remaining Concession Period	19	Years
Is the Concession Renewable	Yes	Yes/No

Quantity of Heat Available

Annually	80,000	MWh_th
Daily	240	MWh_th
Minimum Output	0.5	MWth
Maximum Output (Peak)	10	MWth
Heat Plant Annual Availability	91.3	%
Heat Availability Guaranteed	Yes	Yes/No
What would be the max efficiency the plant can achieve with max heat export	40	%
Is thermal back-up plant available	No	Yes/No
If “Yes” to above how much (Peak)	N/A	MWth
What is the backup plants fuel source	N/A	
If “No” to above is space available onsite to build backup plant facility	No	Yes/No
Are you already supplying heat to an heat off-take customer	Yes	Yes/No
If “yes” confirm capacity	10	MWth

System Parameters

Primary Circuit		
Medium (Select one.)	Steam	
Maximum Supply Temperature	110	°C
Minimum Supply Temperature	100	°C
Supply Pressure	0.24	BarG
Maximum Condensate Return Temperature	110	°C
Minimum Condensate Return Temperature	55	°C
Condensate System Operating Pressure	-0.9	BarG
Secondary LTHW Circuit – if applicable		
Maximum Supply Temperature	100	°C
Minimum Supply Temperature	85	°C
Maximum Return Temperature	70	°C
Minimum Return Temperature	55	°C
System Operating Pressure	4.5	BarG
Will the heat provided be sacrificial to Electricity generation	Yes	Yes/No
If “Yes” how much electricity will be lost annually	2,528 MWh	MWe
Electricity Carbon Factor (Calculation as defined in SAP)		kgCO2/kWh
Heat Carbon Factor (Calculation as defined in SAP)		kgCO2/kWh

EfW Heat Network Directory

Thalia – Isle of Wight ERF

The operator will review this document every 2 years at a minimum to capture changing data over time.

Date of completion of the Directory	21/11/2024

Operator

Organisation	Thalia Waste Management
Facility	Isle of Wight Waste Recovery Park - ERF
Address	Forest Park Forest Rd Newport PO30 5YS

Contact Details	
Name	Fiza Hussain
Telephone No.	07751174504
Email Address	fiza.hussain@thalia.co.uk

Owner/Organisational Structure

Company Structure
Wholly owned
Corporate structure of EfW operation
IOW EfW operated by Thalia under contract with the Isle of Wight Council.
Individuals involved and responsibilities
Chris Harrison - Supervisor Graham Telford - Operations Manager

Waste Source

When was the Plant Commissioned (Date)	2024	
Remaining Concession Period		Years
Is the Concession Renewable		Yes/No

Quantity of Heat Available

Annually	95238.38	MWh_th
Daily	260.93	MWh_th
Minimum Output	5.44	MWth
Maximum Output (Peak)	11.96	MWth
Heat Plant Annual Availability	85	%
Heat Availability Guaranteed	Yes	Yes/No
What would be the max efficiency the plant can achieve with max heat export	85	%
Is thermal back-up plant available	No	Yes/No
If “Yes” to above how much (Peak)		MWth
What is the backup plants fuel source		

If "No" to above is space available onsite to build backup plant facility	No	Yes/No
Are you already supplying heat to an heat off-take customer	No	Yes/No
If "yes" confirm capacity		MWth

System Parameters

Primary Circuit		
Medium (Select one.)	LTHW, Condensate, Steam	Condensate
Maximum Supply Temperature		°C
Minimum Supply Temperature		°C
Supply Pressure		BarG
Maximum Condensate Return Temperature	50	°C
Minimum Condensate Return Temperature	45	°C
Condensate System Operating Pressure	0.1	BarG
Secondary LTHW Circuit – if applicable		
Maximum Supply Temperature		°C
Minimum Supply Temperature		°C
Maximum Return Temperature		°C
Minimum Return Temperature		°C
System Operating Pressure		BarG
Will the heat provided be sacrificial to Electricity generation	No	Yes/No
If "Yes" how much electricity will be lost annually		MWe

Electricity Carbon Factor (Calculation as defined in SAP)	TBC	kgCO2/kWh
Heat Carbon Factor (Calculation as defined in SAP)	TBC	kgCO2/kWh

EfW Heat Network Directory

FCC Environment – Javelin Park

The operator will review this document every 2 years at a minimum to capture changing data over time.

Date of completion of the Directory	31/03/2025

Operator

Organisation	FCC
Facility	Javelin Park
Address	Gloucestershire EfW Javelin Park Stonehouse GL10 3ET
Contact Details	
Name	Rob Hayward

Telephone No.	01452 379 886
Email Address	rob.hayward@fccenvironment.co.uk

Owner/Organisational Structure (Describe)

Company Structure
Corporate structure of EfW operation
Individuals involved and responsibilities
Juergen Schaper - Operations Director

Waste Source (Describe)

When was the Plant Commissioned (Date)	October 2019	
Remaining Concession Period	20	Years
Is the Concession Renewable	Depends on negotiations	Yes/No

Quantity of Heat Available

Annually	125,000	MWh_th
Daily	300	MWh_th
Minimum Output	0	MWth
Maximum Output (Peak)	16	MWth
Heat Plant Annual Availability	90	%
Heat Availability Guaranteed	No	Yes/No
What would be the max efficiency the plant can achieve with max heat export	Unknown	%
Is thermal back-up plant available	No	Yes/No
If “Yes” to above how much (Peak)	n/a	MWth
What is the backup plants fuel source	n/a	
If “No” to above is space available onsite to build backup plant facility	Yes	Yes/No

Are you already supplying heat to an heat off-take customer	No	Yes/No
If "yes" confirm capacity	n/a	MWth

System Parameters

Primary Circuit		
Medium (Select one.)	Steam	
Maximum Supply Temperature		°C
Minimum Supply Temperature		°C
Supply Pressure		BarG
Maximum Condensate Return Temperature		°C
Minimum Condensate Return Temperature		°C
Condensate System Operating Pressure		BarG
Secondary LTHW Circuit – if applicable		
Maximum Supply Temperature		°C
Minimum Supply Temperature		°C
Maximum Return Temperature		°C
Minimum Return Temperature		°C
System Operating Pressure		BarG
Will the heat provided be sacrificial to Electricity generation		Yes/No
If "Yes" how much electricity will be lost annually		MWe
Electricity Carbon Factor (Calculation as defined in SAP)		kgCO2/kWh
Heat Carbon Factor (Calculation as defined in SAP)		kgCO2/kWh

Environmental Services Association
EfW Heat Network Directory: FCC - Javelin Park

EfW Heat Network Directory

enfinium – Kelvin

The operator will review this document every 2 years at a minimum to capture changing data over time.

Date of completion of the Directory	22/10/2024

Operator

Organisation	enfinium
Facility	Kelvin

Address	Kelvin Way West Bromwich B70 7JR
Contact Details	
Name	Nick Minnitt
Telephone No.	07423 694845
Email Address	Nick.minnitt@enfinium.co.uk

Owner/Organisational Structure (Describe)

Company Structure
Corporate structure of EfW operation
Board, Management Team
Individuals involved and responsibilities

Waste Source (Describe)

When was the Plant Commissioned (Date)	Tbc - 2025	
Remaining Concession Period		Years
Is the Concession Renewable		Yes/No

Quantity of Heat Available

Annually	120,000	MWh_th
Daily	329	MWh_th
Minimum Output	0	MWth
Maximum Output (Peak)	15	MWth
Heat Plant Annual Availability	~90%	%
Heat Availability Guaranteed	No	Yes/No
What would be the max efficiency the plant can achieve with max heat export	-	%
Is thermal back-up plant available	No	Yes/No

If “Yes” to above how much (Peak)	-	MWth
What is the backup plants fuel source	-	
If “No” to above is space available onsite to build backup plant facility	Yes	Yes/No
Are you already supplying heat to an heat off-take customer	No	Yes/No
If “yes” confirm capacity	-	MWth

System Parameters

Primary Circuit		
Medium (Select one.)	Steam	
Maximum Supply Temperature	110	°C
Minimum Supply Temperature		°C
Supply Pressure		BarG
Maximum Condensate Return Temperature		°C
Minimum Condensate Return Temperature		°C
Condensate System Operating Pressure		BarG
Secondary LTHW Circuit – if applicable		
Maximum Supply Temperature	Not applicable	°C
Minimum Supply Temperature	Not applicable	°C
Maximum Return Temperature		°C
Minimum Return Temperature		°C
System Operating Pressure		BarG
Will the heat provided be sacrificial to Electricity generation	Yes	Yes/No
If “Yes” how much electricity will be lost annually	3	MWe

Electricity Carbon Factor (Calculation as defined in SAP)		kgCO2/kWh
Heat Carbon Factor (Calculation as defined in SAP)	0.015	kgCO2/kWh

EfW Heat Network Directory

enfinium – Kemsley

The operator will review this document every 2 years at a minimum to capture changing data over time.

Date of completion of the Directory	22/10/2024

Operator

Organisation	enfinium
Facility	Kemsley
Address	Grovehurst Rd,

	Kemsley, Sittingbourne, Kent, ME10 2FP
Contact Details	
Name	Nick Minnitt
Telephone No.	07423 694845
Email Address	Nick.minnitt@enfinium.co.uk

Owner/Organisational Structure (Describe)

Company Structure
Corporate structure of EfW operation
Board, Management Team
Individuals involved and responsibilities

Waste Source (Describe)

When was the Plant Commissioned (Date)	July 2020	
Remaining Concession Period		Years
Is the Concession Renewable		Yes/No

Quantity of Heat Available

Annually	688,000	MWh_th
Daily	1,885	MWh_th
Minimum Output	0	MWth
Maximum Output (Peak)	86	MWth
Heat Plant Annual Availability	~90%	%
Heat Availability Guaranteed	No	Yes/No
What would be the max efficiency the plant can achieve with max heat export	-	%

Is thermal back-up plant available	No	Yes/No
If "Yes" to above how much (Peak)	-	MWth
What is the backup plants fuel source	-	
If "No" to above is space available onsite to build backup plant facility	Yes	Yes/No
Are you already supplying heat to an heat off-take customer	Yes	Yes/No
If "yes" confirm capacity	55	MWth

System Parameters

Primary Circuit		
Medium (Select one.)	Steam	
Maximum Supply Temperature	220	°C
Minimum Supply Temperature		°C
Supply Pressure	11.5	BarG
Maximum Condensate Return Temperature	50	°C
Minimum Condensate Return Temperature	40	°C
Condensate System Operating Pressure	4	BarG
Secondary LTHW Circuit – if applicable		
Maximum Supply Temperature	Not applicable	°C
Minimum Supply Temperature	Not applicable	°C
Maximum Return Temperature		°C
Minimum Return Temperature		°C
System Operating Pressure		BarG
Will the heat provided be sacrificial to Electricity generation	Yes	Yes/No

If “Yes” how much electricity will be lost annually	22	MWe
Electricity Carbon Factor (Calculation as defined in SAP)		kgCO2/kWh
Heat Carbon Factor (Calculation as defined in SAP)	0.015	kgCO2/kWh

EfW Heat Network Directory

Suez – Kirklees

The operator will review this document every 2 years at a minimum to capture changing data over time.

Date of completion of the Directory	11/12/2024

Operator

Organisation	Suez
Facility	Kirklees
Address	Diamond St Huddersfield West Yorkshire HD1 6BZ
Contact Details	

Name	Nick Royston
Telephone No.	
Email Address	nick.royston@suez.com

Owner/Organisational Structure (Describe)

Company Structure
Corporate structure of EfW operation
SPV with O&M contract in place.
Individuals involved and responsibilities
Gary Mayson (COO) Tim Otley (National Energy Director) Mat Kay (Energy Director North) Mark Ryan (Plant Manager)

Waste Source (Describe)

When was the Plant Commissioned (Date)	2000	
Remaining Concession Period		Years
Is the Concession Renewable	Yes	Yes/No

Quantity of Heat Available

Annually	13383.3 (assuming 2t/hr of steam utilised at primary circuit conditions below)	MWh_th
Daily	36.67 (as above)	MWh_th
Minimum Output	0 (plant offline)	MWth
Maximum Output (Peak)	1.53 (4t/hr steam, subject to agreement)	MWth
Heat Plant Annual Availability	85	%
Heat Availability Guaranteed	No	Yes/No

What would be the max efficiency the plant can achieve with max heat export	25	%
Is thermal back-up plant available	No	Yes/No
If "Yes" to above how much (Peak)	n/a	MWth
What is the backup plants fuel source	Oil Burners	
If "No" to above is space available onsite to build backup plant facility	No	Yes/No
Are you already supplying heat to an heat off-take customer	No	Yes/No
If "yes" confirm capacity	n/a	MWth

System Parameters

Primary Circuit		
Medium (Select one.)	Steam	
Maximum Supply Temperature	150	°C
Minimum Supply Temperature	145	°C
Supply Pressure	4	BarG
Maximum Condensate Return Temperature	Tbc (depends on consumer load)	°C
Minimum Condensate Return Temperature	Tbc (depends on consumer load)	°C
Condensate System Operating Pressure	Tbc (depends on consumer load)	BarG
Secondary LTHW Circuit – if applicable		
Maximum Supply Temperature	n/a	°C
Minimum Supply Temperature	n/a	°C
Maximum Return Temperature	n/a	°C

Minimum Return Temperature	n/a	°C
System Operating Pressure	n/a	BarG
Will the heat provided be sacrificial to Electricity generation	Yes	Yes/No
If "Yes" how much electricity will be lost annually	Tbc (depends on consumer load)	MWe
Electricity Carbon Factor (Calculation as defined in SAP)	0.557 (Suez EfW Average)	kgCO2/kWh
Heat Carbon Factor (Calculation as defined in SAP)	n/a	kgCO2/kWh

EfW Heat Network Directory

Grundon & Viridor – Lakeside EfW

The operator will review this document every 2 years at a minimum to capture changing data over time.

Date of completion of the Directory	29/10/2024

Operator

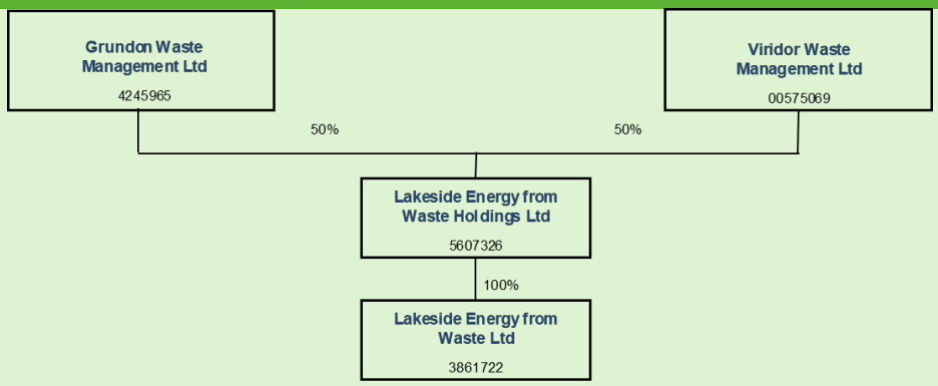
Organisation	Lakeside EfW
Facility	Lakeside EfW
Address	Lakeside road Colnbrook Slough SL3 0FE

Contact Details	
Name	Danny Coulston
Telephone No.	01753 688436
Email Address	danny.coulston@lakesideefw.co.uk

Owner/Organisational Structure (Describe)

Company Structure

1.



Corporate structure of EfW operation

Joint Venture

Individuals involved and responsibilities

Danny Coulston: Director of Operations

Waste Source (Describe)

When was the Plant Commissioned (Date)	2010	
Remaining Concession Period		Years
Is the Concession Renewable		Yes/No

Quantity of Heat Available

Annually	290,000	MWh_th
Daily	860	MWh_th
Minimum Output	38	MWth
Maximum Output (Peak)		MWth
Heat Plant Annual Availability	95	%
Heat Availability Guaranteed	0	Yes/No

What would be the max efficiency the plant can achieve with max heat export	45	%
Is thermal back-up plant available	No	Yes/No
If "Yes" to above how much (Peak)		MWth
What is the backup plants fuel source	Gas oil	
If "No" to above is space available onsite to build backup plant facility	No	Yes/No
Are you already supplying heat to an heat off-take customer	No	Yes/No
If "yes" confirm capacity		MWth

System Parameters

Primary Circuit		
Medium (Select one.)	Steam	
Maximum Supply Temperature	400	°C
Minimum Supply Temperature		°C
Supply Pressure	45	BarG
Maximum Condensate Return Temperature	130	°C
Minimum Condensate Return Temperature		°C
Condensate System Operating Pressure	2.9	BarG
Secondary LTHW Circuit – if applicable		
Maximum Supply Temperature		°C
Minimum Supply Temperature		°C
Maximum Return Temperature		°C
Minimum Return Temperature		°C
System Operating Pressure		BarG

Will the heat provided be sacrificial to Electricity generation	Yes	Yes/No
If "Yes" how much electricity will be lost annually	Depends on the amount of heat extracted	MWe
Electricity Carbon Factor (Calculation as defined in SAP)	0.519	kgCO2/kWh
Heat Carbon Factor (Calculation as defined in SAP)		kgCO2/kWh

EfW Heat Network Directory

Veolia – Leeds ERF

The operator will review this document every 2 years at a minimum to capture changing data over time.

Date of completion of the Directory	25/10/2024

Operator

Organisation	Veolia
Facility	Leeds ERF
Address	Newmarket Approach Leeds LS9 0RJ
Contact Details	
Name	David Wedlake
Telephone No.	07920410829
Email Address	david.wedlake@veolia.com

Owner/Organisational Structure (Describe)

Company Structure
Corporate structure of EfW operation
Operated by Veolia
Individuals involved and responsibilities

Waste Source (Describe)

When was the Plant Commissioned (Date)	Q1 2016	
Remaining Concession Period	20	Years
Is the Concession Renewable	Yes	

Quantity of Heat Available

Annually	163,810	MWh_th
Daily	480	MWh_th
Minimum Output	0.35	MWth
Maximum Output (Peak)	20	MWth
Heat Plant Annual Availability	93.5	%
Heat Availability Guaranteed	No	Yes/No
What would be the max efficiency the plant can achieve with max heat export		%
Is thermal back-up plant available	Yes	Yes/No
If “Yes” to above how much (Peak)	Gas boilers and thermal storage operated by a third party	MWth
What is the backup plants fuel source	Natural Gas	
If “No” to above is space available onsite to build backup plant facility	Not applicable	Yes/No

Are you already supplying heat to an heat off-take customer	Yes	Yes/No
If "yes" confirm capacity	20	MWth

System Parameters

Primary Circuit		
Medium (Select one.)	Steam	
Maximum Supply Temperature	148	°C
Minimum Supply Temperature	133	°C
Supply Pressure	3.5	BarG
Maximum Condensate Return Temperature	100	°C
Minimum Condensate Return Temperature	60	°C
Condensate System Operating Pressure	13	BarG
Secondary LTHW Circuit – if applicable		
Maximum Supply Temperature	100	°C
Minimum Supply Temperature	90	°C
Maximum Return Temperature	70	°C
Minimum Return Temperature	60	°C
System Operating Pressure	7	BarG
Will the heat provided be sacrificial to Electricity generation	Yes	Yes/No
If "Yes" how much electricity will be lost annually	0.19MWe lost per 1 MWth output	MWe
Electricity Carbon Factor (Calculation as defined in SAP)	0.25319*	kgCO2/kWh

Heat Carbon Factor (Calculation as defined in SAP)	0.18169*	kgCO2/kWh

EfW Heat Network Directory

FCC Environment – Lincolnshire EfW

The operator will review this document every 2 years at a minimum to capture changing data over time.

Date of completion of the Directory	31/03/2025

Operator

Organisation	FCC
Facility	Lincolnshire EfW
Address	Paving Way Lincoln LN6 3QW
Contact Details	
Name	Stephen Lormor

Telephone No.	01522814301
Email Address	stephen.lormor@fccenvironment.co.uk

Owner/Organisational Structure (Describe)

Company Structure
Corporate structure of EfW operation
FCC Environment (Lincolnshire) Limited
Individuals involved and responsibilities
Juergen Schaper - Operations Director

Waste Source (Describe)

When was the Plant Commissioned (Date)	2014	
Remaining Concession Period	15	Years
Is the Concession Renewable	Depends on negotiations	Yes/No

Quantity of Heat Available

Annually	80000	MWh_th
Daily	219	MWh_th
Minimum Output	2.5 (est)	MWth
Maximum Output (Peak)	10	MWth
Heat Plant Annual Availability	92	%
Heat Availability Guaranteed	No	Yes/No
What would be the max efficiency the plant can achieve with max heat export	Unknown	%
Is thermal back-up plant available	No	Yes/No
If “Yes” to above how much (Peak)	n/a	MWth
What is the backup plants fuel source	n/a	
If “No” to above is space available onsite to build backup plant facility	Yes	Yes/No

Are you already supplying heat to an heat off-take customer	No	Yes/No
If "yes" confirm capacity	n/a	MWth

System Parameters

Primary Circuit		
Medium (Select one.)	Steam	
Maximum Supply Temperature	180	°C
Minimum Supply Temperature	160	°C
Supply Pressure	3.2-4.9	BarG
Maximum Condensate Return Temperature	80 (100 if pumped)	°C
Minimum Condensate Return Temperature	50 (70 if pumped)	°C
Condensate System Operating Pressure	-1 (13 if pumped)	BarG
Secondary LTHW Circuit – if applicable		
Maximum Supply Temperature	n/a	°C
Minimum Supply Temperature	n/a	°C
Maximum Return Temperature	n/a	°C
Minimum Return Temperature	n/a	°C
System Operating Pressure	n/a	BarG
Will the heat provided be sacrificial to Electricity generation	Yes	Yes/No
If "Yes" how much electricity will be lost annually	c. 1.5MW	MWe

Electricity Carbon Factor (Calculation as defined in SAP)	No data available due to CO2 neutral	kgCO2/kWh
Heat Carbon Factor (Calculation as defined in SAP)	No data available due to CO2 neutral	kgCO2/kWh

EfW Heat Network Directory

Veolia – Marchwood ERF

The operator will review this document every 2 years at a minimum to capture changing data over time.

Date of completion of the Directory	25/10/2024

Operator

Organisation	Veolia
Facility	Marchwood ERF
Address	Oceanic Way Marchwood Southampton SO40 4BD
Contact Details	
Name	Sean Speirs
Telephone No.	07442 639415
Email Address	sean.speirs@veolia.com

Owner/Organisational Structure (Describe)

Company Structure
Corporate structure of EfW operation
Operated by Veolia
Individuals involved and responsibilities

Waste Source (Describe)

When was the Plant Commissioned (Date)	2005	
Remaining Concession Period	10	Years
Is the Concession Renewable		

Quantity of Heat Available

Annually		MWh_th
Daily	72	MWh_th
Minimum Output		MWth
Maximum Output (Peak)	30	MWth
Heat Plant Annual Availability	97.6	%
Heat Availability Guaranteed	No	Yes/No
What would be the max efficiency the plant can achieve with max heat export		%
Is thermal back-up plant available	No	Yes/No
If “Yes” to above how much (Peak)	Not applicable	MWth
What is the backup plants fuel source		
If “No” to above is space available onsite to build backup plant facility	Yes	Yes/No
Are you already supplying heat to an heat off-take customer	No	Yes/No
If “yes” confirm capacity	Not applicable	MWth

System Parameters

Primary Circuit		
Medium (Select one.)	Steam	
Maximum Supply Temperature	140	°C
Minimum Supply Temperature	120	°C
Supply Pressure	4	BarG
Maximum Condensate Return Temperature	100	°C
Minimum Condensate Return Temperature	40	°C
Condensate System Operating Pressure	14	BarG
Secondary LTHW Circuit – if applicable		
Maximum Supply Temperature		°C
Minimum Supply Temperature		°C
Maximum Return Temperature		°C
Minimum Return Temperature		°C
System Operating Pressure		BarG
Will the heat provided be sacrificial to Electricity generation	Yes	Yes/No
If “Yes” how much electricity will be lost annually	TBC depending on load	MWe
Electricity Carbon Factor (Calculation as defined in SAP)	TBC depending on load	kgCO2/kWh
Heat Carbon Factor (Calculation as defined in SAP)	TBC depending on load	kgCO2/kWh

EfW Heat Network Directory

FCC Environment – Millerhill

The operator will review this document every 2 years at a minimum to capture changing data over time.

Date of completion of the Directory	31/03/2025

Operator

Organisation	FCC
Facility	Millerhill
Address	Edinburgh and Midlothian RERC Whitehill Road Edinburgh EH22 1SX
Contact Details	

Name	Mark Keast
Telephone No.	0131 370 9901
Email Address	mark.keast@fccenvironment.co.uk

Owner/Organisational Structure (Describe)

Company Structure
Corporate structure of EfW operation
FCC Edinburgh and Midlothian Limited
Individuals involved and responsibilities
Juergen Schaper - Operations Director

Waste Source (Describe)

When was the Plant Commissioned (Date)	April 2019	
Remaining Concession Period	20	Years
Is the Concession Renewable	Depends on negotiations	Yes/No

Quantity of Heat Available

Annually	155,200	MWh_th
Daily	480	MWh_th
Minimum Output	< 1	MWth
Maximum Output (Peak)	20	MWth
Heat Plant Annual Availability	89	%
Heat Availability Guaranteed	No	Yes/No
What would be the max efficiency the plant can achieve with max heat export	59	%
Is thermal back-up plant available	No	Yes/No
If “Yes” to above how much (Peak)	n/a	MWth
What is the backup plants fuel source	n/a	

If "No" to above is space available onsite to build backup plant facility	Yes	Yes/No
Are you already supplying heat to an heat off-take customer	No, but currently negotiating an agreement.	Yes/No
If "yes" confirm capacity	Up to 20	MWth

System Parameters

Primary Circuit		
Medium (Select one.)	Steam (Turbine Bleeds)	
Maximum Supply Temperature	138 / 106	°C
Minimum Supply Temperature	n/a	°C
Supply Pressure	3.4 / 1.3	BarG
Maximum Condensate Return Temperature	n/a	°C
Minimum Condensate Return Temperature	71	°C
Condensate System Operating Pressure	Not as yet specified	BarG
Secondary LTHW Circuit – if applicable		
Maximum Supply Temperature	115	°C
Minimum Supply Temperature	n/a	°C
Maximum Return Temperature	n/a	°C
Minimum Return Temperature	40	°C
System Operating Pressure	Not as yet specified	BarG
Will the heat provided be sacrificial to Electricity generation	Yes	Yes/No

If “Yes” how much electricity will be lost annually	2.7	MWe
Electricity Carbon Factor (Calculation as defined in SAP)	No data available due to CO2 neutral	kgCO2/kWh
Heat Carbon Factor (Calculation as defined in SAP)	No data available due to CO2 neutral	kgCO2/kWh

EfW Heat Network Directory

Thalia - Milton-Keynes ATT

The operator will review this document every 2 years at a minimum to capture changing data over time.

Date of completion of the Directory	21/11/24

Operator

Organisation	Thalia Waste Management
Facility	Milton Keynes Waste Recovery Park ATT
Address	Milton Keynes Waste Recovery Park Wolverton Milton Keynes MK12 5QF

Contact Details	
Name	Fiza Hussain
Telephone No.	07751174504
Email Address	Fiza.hussain@thalia.co.uk

Owner/Organisational Structure

Company Structure
Wholly owned
Corporate structure of EfW operation
MK ATT operated by Thalia under contract with the Milton Keynes Council.
Individuals involved and responsibilities
Nick Smith – Principal Process Engineer

Waste Source

When was the Plant Commissioned (Date)	2017	
Remaining Concession Period		Years
Is the Concession Renewable		Yes/No

Quantity of Heat Available

Annually	183190.77	MWh_th
Daily	501.89	MWh_th
Minimum Output	6.27	MWth
Maximum Output (Peak)	23	MWth
Heat Plant Annual Availability	85	%
Heat Availability Guaranteed	No	Yes/No
What would be the max efficiency the plant can achieve with max heat export	85	%
Is thermal back-up plant available	No	Yes/No
If “Yes” to above how much (Peak)		MWth
What is the backup plants fuel source		

If "No" to above is space available onsite to build backup plant facility	Yes	Yes/No
Are you already supplying heat to an heat off-take customer	No	Yes/No
If "yes" confirm capacity		MWth

System Parameters

Primary Circuit		
Medium (Select one.)	LTHW, Condensate, Steam	Condensate
Maximum Supply Temperature		°C
Minimum Supply Temperature		°C
Supply Pressure		BarG
Maximum Condensate Return Temperature	50	°C
Minimum Condensate Return Temperature	45	°C
Condensate System Operating Pressure	0.1	BarG
Secondary LTHW Circuit – if applicable		
Maximum Supply Temperature		°C
Minimum Supply Temperature		°C
Maximum Return Temperature		°C
Minimum Return Temperature		°C
System Operating Pressure		BarG
Will the heat provided be sacrificial to Electricity generation	No	Yes/No
If "Yes" how much electricity will be lost annually		MWe

Electricity Carbon Factor (Calculation as defined in SAP)	TBC	kgCO2/kWh
Heat Carbon Factor (Calculation as defined in SAP)	TBC	kgCO2/kWh

EfW Heat Network Directory

Veolia – Newhaven ERF

The operator will review this document every 2 years at a minimum to capture changing data over time.

Date of completion of the Directory	25/10/2024

Operator

Organisation	Veolia
Facility	Newhaven ERF
Address	North Quay Rd Newhaven BN9 0AB
Contact Details	
Name	Robert Williams
Telephone No.	07884794560
Email Address	

Owner/Organisational Structure (Describe)

Company Structure
Corporate structure of EfW operation
Operated by Veolia
Individuals involved and responsibilities

Waste Source (Describe)

When was the Plant Commissioned (Date)	2012	
Remaining Concession Period	13	Years
Is the Concession Renewable		

Quantity of Heat Available

Annually		MWh_th
Daily	360	MWh_th
Minimum Output	0	MWth
Maximum Output (Peak)	15	MWth
Heat Plant Annual Availability	92.3 (2019)	%
Heat Availability Guaranteed	No	Yes/No
What would be the max efficiency the plant can achieve with max heat export		%
Is thermal back-up plant available	No	Yes/No
If “Yes” to above how much (Peak)	Not applicable	MWth
What is the backup plants fuel source		
If “No” to above is space available onsite to build backup plant facility	No	Yes/No
Are you already supplying heat to an heat off-take customer	No	Yes/No
If “yes” confirm capacity	Not applicable	MWth

System Parameters

Primary Circuit		
Medium (Select one.)	Steam	
Maximum Supply Temperature	122	°C
Minimum Supply Temperature		°C
Supply Pressure	2.1	BarG
Maximum Condensate Return Temperature	100	°C
Minimum Condensate Return Temperature		°C
Condensate System Operating Pressure		BarG
Secondary LTHW Circuit – if applicable		
Maximum Supply Temperature		°C
Minimum Supply Temperature		°C
Maximum Return Temperature		°C
Minimum Return Temperature		°C
System Operating Pressure		BarG
Will the heat provided be sacrificial to Electricity generation	Yes	Yes/No
If “Yes” how much electricity will be lost annually	0.18Mwe lost per 1 MWth output	MWe
Electricity Carbon Factor (Calculation as defined in SAP)	TBC depending on load	kgCO2/kWh
Heat Carbon Factor (Calculation as defined in SAP)	TBC depending on load	kgCO2/kWh

EfW Heat Network Directory

Encyclis – Newhurst

The operator will review this document every 2 years at a minimum to capture changing data over time.

Date of completion of the Directory	13/12/2024

Operator

Organisation	Encyclis
Facility	Newhurst
Address	Shepshed Loughborough LE12 9BU
Contact Details	

Name	Plant Manager – Jim Thompson
Telephone No.	+44 (0)7926 581300
Email Address	Jim.thompson@encyclis.com

Owner/Organisational Structure (Describe)

Company Structure
Organogram can be provided upon request.
Corporate structure of EfW operation
Plant Operator – Encyclis --- Ownership – EQT AB
Individuals involved and responsibilities
Organogram can be provided upon request.

Waste Source (Describe)

When was the Plant Commissioned (Date)		
Remaining Concession Period		Years
Is the Concession Renewable		Yes/No

Quantity of Heat Available

Annually	TBD	MWh_th
Daily	432	MWh_th
Minimum Output	0	MWth
Maximum Output (Peak)	18	MWth
Heat Plant Annual Availability	92-96	%
Heat Availability Guaranteed	Yes, during operation. Shutdown resiliency to be planned for.	Yes/No
What would be the max efficiency the plant can achieve with max heat export	TBC, based on real-data Z factors.	%

Is thermal back-up plant available	Resiliency to be provided by development partner.	Yes/No
If "Yes" to above how much (Peak)	TBD by development Partner	MWth
What is the backup plants fuel source	N/A	
If "No" to above is space available onsite to build backup plant facility	N/A	Yes/No
Are you already supplying heat to an heat off-take customer	No	Yes/No
If "yes" confirm capacity		MWth

System Parameters

Primary Circuit		
Medium (Select one.)	LTHW, Condensate, Steam	Steam
Maximum Supply Temperature	151	°C
Minimum Supply Temperature	TBC	°C
Supply Pressure	1.87	BarG
Maximum Condensate Return Temperature	118	°C
Minimum Condensate Return Temperature	TBC	°C
Condensate System Operating Pressure	0.87	BarG
Secondary LTHW Circuit – if applicable		
Maximum Supply Temperature		°C
Minimum Supply Temperature		°C
Maximum Return Temperature		°C
Minimum Return Temperature		°C

System Operating Pressure		BarG
Will the heat provided be sacrificial to Electricity generation	Yes	Yes/No
If “Yes” how much electricity will be lost annually	TBD based on real-data Z factors.	MWe
Electricity Carbon Factor (Calculation as defined in SAP)		kgCO2/kWh
Heat Carbon Factor (Calculation as defined in SAP)		kgCO2/kWh

EfW Heat Network Directory

enfinium – Parc Adfer

The operator will review this document every 2 years at a minimum to capture changing data over time.

Date of completion of the Directory	22/10/2024

Operator

Organisation	enfinium
Facility	Parc Adfer

Address	4 Weighbridge Rd Deeside CH5 2LL
Contact Details	
Name	Nick Minnitt
Telephone No.	07423 694845
Email Address	Nick.minnitt@enfinium.co.uk

Owner/Organisational Structure (Describe)

Company Structure
Corporate structure of EfW operation
Board, Management Team
Individuals involved and responsibilities

Waste Source (Describe)

When was the Plant Commissioned (Date)	December 2019	
Remaining Concession Period	20	Years
Is the Concession Renewable	Yes (subject to consents)	Yes/No

Quantity of Heat Available

Annually	80,800	MWh_th
Daily	221	MWh_th
Minimum Output	0	MWth
Maximum Output (Peak)	10	MWth
Heat Plant Annual Availability	~90%	%
Heat Availability Guaranteed	No	Yes/No
What would be the max efficiency the plant can achieve with max heat export	-	%

Is thermal back-up plant available	No	Yes/No
If "Yes" to above how much (Peak)	-	MWth
What is the backup plants fuel source	-	
If "No" to above is space available onsite to build backup plant facility	Yes	Yes/No
Are you already supplying heat to an heat off-take customer	No	Yes/No
If "yes" confirm capacity		MWth

System Parameters

Primary Circuit		
Medium (Select one.)	Steam	
Maximum Supply Temperature	110	°C
Minimum Supply Temperature		°C
Supply Pressure		BarG
Maximum Condensate Return Temperature		°C
Minimum Condensate Return Temperature		°C
Condensate System Operating Pressure		BarG
Secondary LTHW Circuit – if applicable		
Maximum Supply Temperature	Not applicable	°C
Minimum Supply Temperature	Not applicable	°C
Maximum Return Temperature		°C
Minimum Return Temperature		°C
System Operating Pressure		BarG
Will the heat provided be sacrificial to Electricity generation	Yes	Yes/No

If “Yes” how much electricity will be lost annually	2.02	MWe
Electricity Carbon Factor (Calculation as defined in SAP)		kgCO2/kWh
Heat Carbon Factor (Calculation as defined in SAP)	0.015	kgCO2/kWh

EfW Heat Network Directory

Viridor – Peterborough ERF

The operator will review this document every 2 years at a minimum to capture changing data over time.

Date of completion of the Directory	28/04/2025

Operator

Organisation	Viridor
Facility	Peterborough ERF
Address	Fengate Peterborough Cambridgeshire PE1 5UR

Contact Details	
Name	Leon Brackstone
Telephone No.	07801 172917
Email Address	lbrackstone@viridor.co.uk

Owner/Organisational Structure (Describe)

Company Structure
Owned by Peterborough City Council
Corporate structure of EfW operation
Individuals involved and responsibilities

Waste Source (Describe)

When was the Plant Commissioned (Date)	2016	
Remaining Concession Period		
Is the Concession Renewable		Yes/No

Quantity of Heat Available

Annually	39,858	MWh_th
Daily	120	MWh_th
Minimum Output	TBA	MWth
Maximum Output (Peak)	5.0	MWth
Heat Plant Annual Availability	91	%
Heat Availability Guaranteed	TBC	Yes/No
What would be the max efficiency the plant can achieve with max heat export	18.0	%
Is thermal back-up plant available	No	Yes/No
If “Yes” to above how much (Peak)	Not Applicable	MWth
What is the backup plants fuel source	Not Applicable	

If "No" to above is space available onsite to build backup plant facility	Yes	Yes/No
Are you already supplying heat to an heat off-take customer	No	Yes/No
If "yes" confirm capacity	Not Applicable	MWth

System Parameters

Primary Circuit		
Medium (Select one.)	Steam	
Maximum Supply Temperature	155	°C
Minimum Supply Temperature	TBA	°C
Supply Pressure	3.3	BarG
Maximum Condensate Return Temperature	TBA	°C
Minimum Condensate Return Temperature	TBA	°C
Condensate System Operating Pressure	TBA	BarG
Secondary LTHW Circuit – if applicable		
Maximum Supply Temperature	Not Applicable	°C
Minimum Supply Temperature	Not Applicable	°C
Maximum Return Temperature	Not Applicable	°C
Minimum Return Temperature	Not Applicable	°C
System Operating Pressure	Not Applicable	BarG
Will the heat provided be sacrificial to Electricity generation	Yes	Yes/No
If "Yes" how much electricity will be lost annually	1.62	MWe
Electricity Carbon Factor (Calculation as defined in SAP)	0.136	kgCO2/kWh
Heat Carbon Factor (Calculation as defined in SAP)	0.172	kgCO2/kWh

EfW Heat Network Directory

Veolia – Portsmouth ERF

The operator will review this document every 2 years at a minimum to capture changing data over time.

Date of completion of the Directory	25/10/2024

Operator

Organisation	Veolia
Facility	Portsmouth ERF
Address	Quartremaine Rd Portsmouth PO3 5QH
Contact Details	
Name	Charles Winterburn
Telephone No.	07795301873
Email Address	Charles.Winterburn@veolia.com

Owner/Organisational Structure (Describe)

Company Structure
Corporate structure of EfW operation
Operated by Veolia
Individuals involved and responsibilities

Waste Source (Describe)

When was the Plant Commissioned (Date)	March 2005	
Remaining Concession Period	10	Years
Is the Concession Renewable		

Quantity of Heat Available

Annually		MWh_th
Daily	72	MWh_th
Minimum Output		MWth
Maximum Output (Peak)	30	MWth
Heat Plant Annual Availability	94.5	%
Heat Availability Guaranteed	No	Yes/No
What would be the max efficiency the plant can achieve with max heat export		%
Is thermal back-up plant available	No	Yes/No
If “Yes” to above how much (Peak)	Not applicable	MWth
What is the backup plants fuel source		
If “No” to above is space available onsite to build backup plant facility	Yes	Yes/No
Are you already supplying heat to an heat off-take customer	No	Yes/No
If “yes” confirm capacity	Not applicable	MWth

System Parameters

Primary Circuit		
Medium (Select one.)	Steam	
Maximum Supply Temperature	140	°C
Minimum Supply Temperature	120	°C
Supply Pressure	4	BarG
Maximum Condensate Return Temperature	100	°C
Minimum Condensate Return Temperature	40	°C
Condensate System Operating Pressure	14	BarG
Secondary LTHW Circuit – if applicable		
Maximum Supply Temperature		°C
Minimum Supply Temperature		°C
Maximum Return Temperature		°C
Minimum Return Temperature		°C
System Operating Pressure		BarG
Will the heat provided be sacrificial to Electricity generation	Yes	Yes/No
If “Yes” how much electricity will be lost annually	TBC depending on load	MWe
Electricity Carbon Factor (Calculation as defined in SAP)	TBC depending on load	kgCO2/kWh
Heat Carbon Factor (Calculation as defined in SAP)	TBC depending on load	kgCO2/kWh

EfW Heat Network Directory

Indaver – Rivenhall IWMF

The operator will review this document every 2 years at a minimum to capture changing data over time.

Date of completion of the Directory	05/11/2024

Operator

Organisation	Indaver
Facility	Rivenhall IWMF
Address	Indaver Rivenhall Ltd Woodhouse Farm, Woodhouse Lane Kelvedon, Colchester CO5 9DF
Contact Details	
Name	Funmi Adefioye-Giwa

Telephone No.	07462959272
Email Address	funmi.adefioye-giwa@indaver.com

Owner/Organisational Structure (Describe)

Company Structure
Wholly owned
Corporate structure of EfW operation
Indaver Rivenhall Ltd is a wholly owned subsidiary of Indaver Holdings Ltd
Individuals involved and responsibilities
Micheal Geary – Commercial & Bus Dev Director UK/IE John Tatton – Managing Director Rivenhall IWMF

Waste Source (Describe)

When was the Plant Commissioned (Date)	Expected Q4 2025	
Remaining Concession Period	N/A	Years
Is the Concession Renewable	N/A	Yes/No

Quantity of Heat Available

Annually	145,635	MWh_th
Daily	399	MWh_th
Minimum Output	0	MWth
Maximum Output (Peak)	17.5	MWth
Heat Plant Annual Availability	95	%
Heat Availability Guaranteed	No	Yes/No
What would be the max efficiency the plant can achieve with max heat export	TBC	%
Is thermal back-up plant available	No	Yes/No
If “Yes” to above how much (Peak)	N/A	MWth
What is the backup plants fuel source	N/A	
If “No” to above is space available onsite to build backup plant facility	Yes	Yes/No

Are you already supplying heat to a heat off-take customer	Yes	Yes/No
If "yes" confirm capacity	17	MWth

System Parameters

Primary Circuit		
Medium (Select one.)	Steam	
Maximum Supply Temperature	244	°C
Minimum Supply Temperature	153	°C
Supply Pressure	16	BarG
Maximum Condensate Return Temperature	95	°C
Minimum Condensate Return Temperature	60	°C
Condensate System Operating Pressure	2	BarG
Secondary LTHW Circuit – if applicable		
Maximum Supply Temperature	N/A	°C
Minimum Supply Temperature	N/A	°C
Maximum Return Temperature	N/A	°C
Minimum Return Temperature	N/A	°C
System Operating Pressure	N/A	BarG
Will the heat provided be sacrificial to Electricity generation	Yes	Yes/No
If "Yes" how much electricity will be lost annually	Depends on consumer demand	MWe
Electricity Carbon Factor (Calculation as defined in SAP)	Depends on consumer demand	kgCO2/kWh

Heat Carbon Factor (Calculation as defined in SAP)	Depends on consumer demand	kgCO2/kWh

EfW Heat Network Directory

Cory – Riverside RRF

The operator will review this document every 2 years at a minimum to capture changing data over time.

Date of completion of the Directory	25/11/2024

Operator

Organisation	Riverside Resource Recovery Limited (part of the Cory Group)
Facility	Riverside Resource Recovery Facility
Address	Norman Road Belvedere Kent DA17 6JY
Contact Details	
Name	David Carter – Managing Director Heat
Telephone No.	0207 417 5200
Email Address	david.carter@corygroup.co.uk

Owner/Organisational Structure (Describe)

Company Structure
Corporate structure of EfW operation
Cory owns and operates the Riverside Facility, which has been in operation since 2011.
Individuals involved and responsibilities
David Carter – Managing Director Heat

Waste Source (Describe)

When was the Plant Commissioned (Date)	2011	
Remaining Concession Period	Perpetual asset	
Is the Concession Renewable		Yes/No

Quantity of Heat Available

Annually	1,611,840	MWh_th
Daily	4416	MWh_th
Minimum Output	20	MWth
Maximum Output (Peak)	200	MWth
Heat Plant Annual Availability	92	%
Heat Availability Guaranteed	TBC	Yes/No
What would be the max efficiency the plant can achieve with max heat export	Gross Power – 29.8%	%
Is thermal back-up plant available	TBC, we are looking to reserve space for back up plant	Yes/No
If “Yes” to above how much (Peak)		MWth
What is the backup plants fuel source		
If “No” to above is space available onsite to build backup plant facility		Yes/No

Are you already supplying heat to an heat off-take customer	No	Yes/No
If "yes" confirm capacity		MWth

System Parameters

Primary Circuit		
Medium (Select one.)	Steam	
Maximum Supply Temperature	165	°C
Minimum Supply Temperature	40	°C
Supply Pressure	-0.89 – 6	BarG
Maximum Condensate Return Temperature	165	°C
Minimum Condensate Return Temperature	40	°C
Condensate System Operating Pressure	3 – 6	BarG
Secondary LTHW Circuit – if applicable		
Maximum Supply Temperature		°C
Minimum Supply Temperature		°C
Maximum Return Temperature		°C
Minimum Return Temperature		°C
System Operating Pressure		BarG
Will the heat provided be sacrificial to Electricity generation		Yes/No
If "Yes" how much electricity will be lost annually		MWe
Electricity Carbon Factor (Calculation as defined in SAP)		kgCO2/kWh
Heat Carbon Factor (Calculation as defined in SAP)		kgCO2/kWh

EfW Heat Network Directory

Encyclis – Rookery

The operator will review this document every 2 years at a minimum to capture changing data over time.

Date of completion of the Directory	13/12/2024

Operator

Organisation	Encyclis
Facility	Rookery
Address	Green Lane Stewartby Bedford MK43 9LY

Contact Details	
Name	Plant Manager – Paddy Kelly
Telephone No.	07926 580 072
Email Address	paddy.kelly@encyclis.com

Owner/Organisational Structure (Describe)

Company Structure
Organogram can be provided upon request.
Corporate structure of EfW operation
Plant Operator – Encyclis --- Ownership – Rookery South Limited
Individuals involved and responsibilities
Organogram can be provided upon request.

Waste Source (Describe)

When was the Plant Commissioned (Date)	Handover Date	21st January 2022
Remaining Concession Period		Years
Is the Concession Renewable		Yes/No

Quantity of Heat Available

Annually	TBD	MWh_th
Daily	720	MWh_th
Minimum Output	0	MWth
Maximum Output (Peak)	30	MWth
Heat Plant Annual Availability	92-96	%
Heat Availability Guaranteed	Yes, during operation. Shutdown resiliency to be planned for.	Yes/No

What would be the max efficiency the plant can achieve with max heat export	TBC, based on real-data Z factors.	%
Is thermal back-up plant available	Resiliency to be provided by development partner.	Yes/No
If "Yes" to above how much (Peak)	TBD by development Partner	MWth
What is the backup plants fuel source	N/A	
If "No" to above is space available onsite to build backup plant facility	N/A	Yes/No
Are you already supplying heat to an heat off-take customer	No	Yes/No
If "yes" confirm capacity		MWth

System Parameters

Primary Circuit		
Medium (Select one.)	LTHW, Condensate, Steam	Steam
Maximum Supply Temperature	122	°C
Minimum Supply Temperature	TBC	°C
Supply Pressure	1.1	BarG
Maximum Condensate Return Temperature	90	°C
Minimum Condensate Return Temperature	TBC	°C
Condensate System Operating Pressure	0.88	BarG
Secondary LTHW Circuit – if applicable		
Maximum Supply Temperature		°C
Minimum Supply Temperature		°C

Maximum Return Temperature		°C
Minimum Return Temperature		°C
System Operating Pressure		BarG
Will the heat provided be sacrificial to Electricity generation	Yes	Yes/No
If “Yes” how much electricity will be lost annually	TBD based on real-data Z factors.	MWe
Electricity Carbon Factor (Calculation as defined in SAP)		kgCO2/kWh
Heat Carbon Factor (Calculation as defined in SAP)		kgCO2/kWh

EfW Heat Network Directory

Viridor – Runcorn I

The operator will review this document every 2 years at a minimum to capture changing data over time.

Date of completion of the Directory	28/04/2025

Operator

Organisation	Viridor
Facility	Runcorn I
Address	Barlow Way Runcorn Cheshire WA7 4HG
Contact Details	
Name	Leon Brackstone
Telephone No.	07801 172917

Email Address	lbrackstone@viridor.co.uk

Owner/Organisational Structure (Describe)

Company Structure
TPSCo
Corporate structure of EfW operation
Owner / Local Council
Individuals involved and responsibilities

Waste Source (Describe)

When was the Plant Commissioned (Date)	2014	
Remaining Concession Period		
Is the Concession Renewable		Yes/No

Quantity of Heat Available

Annually	799,631	MWh_th
Daily	2,407	MWh_th
Minimum Output	TBA	MWth
Maximum Output (Peak)	100.3	MWth
Heat Plant Annual Availability	91	%
Heat Availability Guaranteed	TBC	Yes/No
What would be the max efficiency the plant can achieve with max heat export	57.6	%
Is thermal back-up plant available	Not Required - Steam Export	Yes/No
If “Yes” to above how much (Peak)	Not Applicable	MWth
What is the backup plants fuel source	Not Applicable	
If “No” to above is space available onsite to build backup plant facility	Not Applicable	Yes/No

Are you already supplying heat to a heat off-take customer	Yes	Yes/No
If "yes" confirm capacity	100.3	MWth

System Parameters

Primary Circuit		
Medium (Select one.)	Steam	
Maximum Supply Temperature	276	°C
Minimum Supply Temperature	266	°C
Supply Pressure	16.5	BarG
Maximum Condensate Return Temperature	35	°C
Minimum Condensate Return Temperature	35	°C
Condensate System Operating Pressure	0.08	BarG
Secondary LTHW Circuit – if applicable		
Maximum Supply Temperature	Not Applicable	°C
Minimum Supply Temperature	Not Applicable	°C
Maximum Return Temperature	Not Applicable	°C
Minimum Return Temperature	Not Applicable	°C
System Operating Pressure	Not Applicable	BarG
Will the heat provided be sacrificial to Electricity generation	Yes	Yes/No
If "Yes" how much electricity will be lost annually	27.9	MWe
Electricity Carbon Factor (Calculation as defined in SAP)	0.136	kgCO2/kWh
Heat Carbon Factor (Calculation as defined in SAP)	0.148	kgCO2/kWh

EfW Heat Network Directory

Viridor – Runcorn II ERF

The operator will review this document every 2 years at a minimum to capture changing data over time.

Date of completion of the Directory	28/04/2025

Operator

Organisation	Viridor
Facility	Runcorn II
Address	Barlow Way Runcorn Cheshire WA7 4HG
Contact Details	
Name	Leon Brackstone
Telephone No.	07801 172917

Email Address	lbrackstone@viridor.co.uk

Owner/Organisational Structure (Describe)

Company Structure
Wholly Owned
Corporate structure of EfW operation
Owner
Individuals involved and responsibilities

Waste Source (Describe)

When was the Plant Commissioned (Date)	2014	
Remaining Concession Period		
Is the Concession Renewable		Yes/No

Quantity of Heat Available

Annually	439,613	MWh_th
Daily	1,323	MWh_th
Minimum Output	TBA	MWth
Maximum Output (Peak)	55.1	MWth
Heat Plant Annual Availability	91	%
Heat Availability Guaranteed	TBC	Yes/No
What would be the max efficiency the plant can achieve with max heat export	31.7	%
Is thermal back-up plant available	Not Required - Steam Export	Yes/No
If “Yes” to above how much (Peak)	Not Applicable	MWth
What is the backup plants fuel source	Not Applicable	
If “No” to above is space available onsite to build backup plant facility	Yes	Yes/No

Are you already supplying heat to a heat off-take customer	No	Yes/No
If "yes" confirm capacity	Not Applicable	MWth

System Parameters

Primary Circuit		
Medium (Select one.)	Steam	
Maximum Supply Temperature	338	°C
Minimum Supply Temperature	TBA	°C
Supply Pressure	26.0	BarG
Maximum Condensate Return Temperature	35	°C
Minimum Condensate Return Temperature	35	°C
Condensate System Operating Pressure	2.0	BarG
Secondary LTHW Circuit – if applicable		
Maximum Supply Temperature	Not Applicable	°C
Minimum Supply Temperature	Not Applicable	°C
Maximum Return Temperature	Not Applicable	°C
Minimum Return Temperature	Not Applicable	°C
System Operating Pressure	Not Applicable	BarG
Will the heat provided be sacrificial to Electricity generation	Yes	Yes/No
If "Yes" how much electricity will be lost annually	16.6	MWe
Electricity Carbon Factor (Calculation as defined in SAP)	0.136	kgCO2/kWh
Heat Carbon Factor (Calculation as defined in SAP)	0.209	kgCO2/kWh

EfW Heat Network Directory

Veolia – SELCHP ERF

The operator will review this document every 2 years at a minimum to capture changing data over time.

Date of completion of the Directory	25/10/2024

Operator

Organisation	Veolia
Facility	SELCHP ERF
Address	Landmann Way London SE14 5RS
Contact Details	
Name	Husain Suwasrawala
Telephone No.	
Email Address	

Owner/Organisational Structure (Describe)

Company Structure
Corporate structure of EfW operation
SELCHP is operated by Veolia under contract with South East London Combined Heat and Power Ltd.
Individuals involved and responsibilities

Waste Source (Describe)

When was the Plant Commissioned (Date)	1994	
Remaining Concession Period	10	Years
Is the Concession Renewable		

Quantity of Heat Available

Annually	327,974	MWh_th
Daily	960	MWh_th
Minimum Output	1	MWth
Maximum Output (Peak)	40	MWth
Heat Plant Annual Availability	93.6	%
Heat Availability Guaranteed	No	Yes/No
What would be the max efficiency the plant can achieve with max heat export		%
Is thermal back-up plant available	No	Yes/No
If “Yes” to above how much (Peak)		MWth
What is the backup plants fuel source		
If “No” to above is space available onsite to build backup plant facility		Yes/No
Are you already supplying heat to an heat off-take customer	Yes	Yes/No
If “yes” confirm capacity	30	MWth

System Parameters

Primary Circuit		
Medium (Select one.)	Steam	
Maximum Supply Temperature	215	°C
Minimum Supply Temperature	106	°C
Supply Pressure		BarG
Maximum Condensate Return Temperature	110	°C
Minimum Condensate Return Temperature	40	°C
Condensate System Operating Pressure	16	BarG
Secondary LTHW Circuit – if applicable		
Maximum Supply Temperature	110	°C
Minimum Supply Temperature	90	°C
Maximum Return Temperature	85	°C
Minimum Return Temperature	40	°C
System Operating Pressure	10	BarG
Will the heat provided be sacrificial to Electricity generation	Yes	Yes/No
If “Yes” how much electricity will be lost annually		MWe
Electricity Carbon Factor (Calculation as defined in SAP)		kgCO2/kWh
Heat Carbon Factor (Calculation as defined in SAP)	0.058	kgCO2/kWh

EfW Heat Network Directory

Suez – Severnside

The operator will review this document every 2 years at a minimum to capture changing data over time.

Date of completion of the Directory	11/12/2024

Operator

Organisation	Suez
Facility	Severnside
Address	Severn Road Hallen Bristol BS10 7SP
Contact Details	

Name	Krishna Patel
Telephone No.	(+44) 1484448736
Email Address	krishna.patel@suez.com

Owner/Organisational Structure (Describe)

Company Structure
Corporate structure of EfW operation
SPV with West London Waste Authority
Individuals involved and responsibilities
Gary Mayson (COO) Tim Otley (National Energy Director) Paul Leighton (Energy Director South) David Appleby (Plant Manager)

Waste Source (Describe)

When was the Plant Commissioned (Date)	2016 (taken over on 14/12/2016)	
Remaining Concession Period		Years
Is the Concession Renewable	Yes	Yes/No

Quantity of Heat Available

Annually	167,816	MWh_th
Daily	559.2612	MWh_th
Minimum Output	0 (heat plant offline)	MWth
Maximum Output (Peak)	23.30255	MWth
Heat Plant Annual Availability	82.21	%
Heat Availability Guaranteed	No	Yes/No
What would be the max efficiency the plant can	3 district heating cases defined by the heat and mass balances:	%

achieve with max heat export	Case DC4_CHP_BaseCase: Bleeds 1,2,3 export (MP, LP, LLP) Case DC5_CHP_Bleed2: Bleed 2 export (LP) Case DC6_CHP_Bleed3: Bleed 3 export (LLP) Case DC4_CHP_BaseCase: efficiency; 45.73% Case DC5_CHP_Bleed2: efficiency; 39.21% Case DC6_CHP_Bleed3: efficiency 34.49%	
Is thermal back-up plant available	No	Yes/No
If "Yes" to above how much (Peak)	n/a	MWth
What is the backup plants fuel source	White Diesel (BS EN 590 2013 + A1: 2017)	
If "No" to above is space available onsite to build backup plant facility	Yes (Dependent on plans for CCUS plant)	Yes/No
Are you already supplying heat to an heat off-take customer	No	Yes/No
If "yes" confirm capacity	n/a	MWth

System Parameters

Primary Circuit		
Medium (Select one.)	Steam	
Maximum Supply Temperature	206	°C
Minimum Supply Temperature	122	°C
Supply Pressure	15	BarG

Maximum Condensate Return Temperature	Tbc with consumer	°C
Minimum Condensate Return Temperature	Tbc with consumer	°C
Condensate System Operating Pressure	Tbc with consumer	BarG
Secondary LTHW Circuit – if applicable		
Maximum Supply Temperature	n/a	°C
Minimum Supply Temperature	n/a	°C
Maximum Return Temperature	n/a	°C
Minimum Return Temperature	n/a	°C
System Operating Pressure	n/a	BarG
Will the heat provided be sacrificial to Electricity generation	Yes	Yes/No
If “Yes” how much electricity will be lost annually	25,493.64984	MWe
Electricity Carbon Factor (Calculation as defined in SAP)	0.557 (Suez EfW Average)	kgCO2/kWh
Heat Carbon Factor (Calculation as defined in SAP)	n/a	kgCO2/kWh

EfW Heat Network Directory

Veolia – Sheffield ERF

The operator will review this document every 2 years at a minimum to capture changing data over time.

Date of completion of the Directory	25/10/2024

Operator

Organisation	Veolia
Facility	Sheffield ERF
Address	Bernard Road Service Centre Bernard Rd Sheffield S4 7YX
Contact Details	
Name	Greg Caseley
Telephone No.	07747 565255
Email Address	gregory.caseley@veolia.com

Owner/Organisational Structure (Describe)

Company Structure
Corporate structure of EfW operation
Sheffield ERF is operated by Veolia under contract with Sheffield City Council.
Individuals involved and responsibilities

Waste Source (Describe)

When was the Plant Commissioned (Date)	2006	
Remaining Concession Period	18	Years
Is the Concession Renewable	No	

Quantity of Heat Available

Annually	54,224	MWh_th
Daily	150	MWh_th
Minimum Output	0	MWth
Maximum Output (Peak)	45	MWth
Heat Plant Annual Availability	92.7	%
Heat Availability Guaranteed	No	Yes/No
What would be the max efficiency the plant can achieve with max heat export		%
Is thermal back-up plant available	Yes	Yes/No
If “Yes” to above how much (Peak)	127	MWth
What is the backup plants fuel source	Natural Gas and Fuel Oil	
If “No” to above is space available onsite to build backup plant facility		Yes/No
Are you already supplying heat to an heat off-take customer	Yes	Yes/No
If “yes” confirm capacity	45	MWth

System Parameters

Primary Circuit		
Medium (Select one.)	MPHW	
Maximum Supply Temperature	110	°C
Minimum Supply Temperature	80	°C
Supply Pressure	11	BarG
Maximum Condensate Return Temperature	Not Applicable	°C
Minimum Condensate Return Temperature	Not Applicable	°C
Condensate System Operating Pressure	Not Applicable	BarG
Secondary LTHW Circuit – if applicable		
Maximum Supply Temperature		°C
Minimum Supply Temperature		°C
Maximum Return Temperature		°C
Minimum Return Temperature		°C
System Operating Pressure		BarG
Will the heat provided be sacrificial to Electricity generation	Yes	Yes/No
If “Yes” how much electricity will be lost annually	TBC depending on load	MWe
Electricity Carbon Factor (Calculation as defined in SAP)		kgCO2/kWh
Heat Carbon Factor (Calculation as defined in SAP)	0.089	kgCO2/kWh

EfW Heat Network Directory

enfinium – Skelton Grange

The operator will review this document every 2 years at a minimum to capture changing data over time.

Date of completion of the Directory	22/10/2024

Operator

Organisation	enfinium
Facility	Skelton Grange

Address	Skelton Grange Road Leeds LS10 1FQ
Contact Details	
Name	Nick Minnitt
Telephone No.	07423 694845
Email Address	Nick.minnitt@enfinium.co.uk

Owner/Organisational Structure (Describe)

Company Structure
Corporate structure of EfW operation
Board, Management Team
Individuals involved and responsibilities

Waste Source (Describe)

When was the Plant Commissioned (Date)	Tbc - 2025	
Remaining Concession Period		Years
Is the Concession Renewable		Yes/No

Quantity of Heat Available

Annually	160,000	MWh_th
Daily	438	MWh_th
Minimum Output	0	MWth
Maximum Output (Peak)	20	MWth
Heat Plant Annual Availability	~90%	%
Heat Availability Guaranteed	No	Yes/No
What would be the max efficiency the plant can achieve with max heat export	-	%
Is thermal back-up plant available	No	Yes/No

If "Yes" to above how much (Peak)	-	MWth
What is the backup plants fuel source	-	
If "No" to above is space available onsite to build backup plant facility	Yes	Yes/No
Are you already supplying heat to an heat off-take customer	No	Yes/No
If "yes" confirm capacity		MWth

System Parameters

Primary Circuit		
Medium (Select one.)	Steam	
Maximum Supply Temperature	110	°C
Minimum Supply Temperature		°C
Supply Pressure		BarG
Maximum Condensate Return Temperature		°C
Minimum Condensate Return Temperature		°C
Condensate System Operating Pressure		BarG
Secondary LTHW Circuit – if applicable		
Maximum Supply Temperature	Not applicable	°C
Minimum Supply Temperature	Not applicable	°C
Maximum Return Temperature		°C
Minimum Return Temperature		°C
System Operating Pressure		BarG
Will the heat provided be sacrificial to Electricity generation	Yes	Yes/No
If "Yes" how much electricity will be lost annually	4	MWe

Electricity Carbon Factor (Calculation as defined in SAP)		kgCO2/kWh
Heat Carbon Factor (Calculation as defined in SAP)	0.015	kgCO2/kWh

EfW Heat Network Directory

Veolia – Staffordshire ERF

The operator will review this document every 2 years at a minimum to capture changing data over time.

Date of completion of the Directory	25/10/2024

Operator

Organisation	Veolia
Facility	Staffordshire ERF
Address	Enterprise Drive Wolverhampton WV10 7DF
Contact Details	
Name	Matthew Richardson
Telephone No.	
Email Address	matthew.richardson@veolia.com

Owner/Organisational Structure (Describe)

Company Structure
Corporate structure of EfW operation
Four Ashes ERF is operated by Veolia under contract with Staffordshire County Council
Individuals involved and responsibilities

Waste Source (Describe)

When was the Plant Commissioned (Date)	2013	
Remaining Concession Period	13	Years
Is the Concession Renewable		

Quantity of Heat Available

Annually		MWh_th
Daily		MWh_th
Minimum Output		MWth
Maximum Output (Peak)	32	MWth
Heat Plant Annual Availability	93.8	%
Heat Availability Guaranteed	No	Yes/No
What would be the max efficiency the plant can achieve with max heat export		%
Is thermal back-up plant available	No	Yes/No
If “Yes” to above how much (Peak)		MWth
What is the backup plants fuel source		
If “No” to above is space available onsite to build backup plant facility	Yes	Yes/No
Are you already supplying heat to an heat off-take customer	No	Yes/No
If “yes” confirm capacity		MWth

System Parameters

Primary Circuit		
Medium (Select one.)	Steam	
Maximum Supply Temperature	122	°C
Minimum Supply Temperature		°C
Supply Pressure	2.1	BarG
Maximum Condensate Return Temperature	100	°C
Minimum Condensate Return Temperature		°C
Condensate System Operating Pressure		BarG
Secondary LTHW Circuit – if applicable		
Maximum Supply Temperature		°C
Minimum Supply Temperature		°C
Maximum Return Temperature		°C
Minimum Return Temperature		°C
System Operating Pressure		BarG
Will the heat provided be sacrificial to Electricity generation	Yes	Yes/No
If “Yes” how much electricity will be lost annually	0.18Mwe lost per 1 MWth output	MWe
Electricity Carbon Factor (Calculation as defined in SAP)	tbc	kgCO2/kWh
Heat Carbon Factor (Calculation as defined in SAP)	tbc	kgCO2/kWh

EfW Heat Network Directory

Suez – Tees Valley Lines 4 & 5

The operator will review this document every 2 years at a minimum to capture changing data over time.

Date of completion of the Directory	11/12/2024

Operator

Organisation	Suez
Facility	Tees Valley Lines 4 & 5
Address	Haverton Hill Road Billingham Cleveland TS23 1PY
Contact Details	

Name	Ben Campbell
Telephone No.	(+44)1642202300
Email Address	benjamin.campbell@suez.com

Owner/Organisational Structure (Describe)

Company Structure
Corporate structure of EfW operation
SPV with South Tyne and Wear Waste Management Partnership
Individuals involved and responsibilities
Gary Mayson (COO) Tim Otley (National Energy Director) Mat Kay (Energy Director North) Darren Thomas (Plant Manager)

Waste Source (Describe)

When was the Plant Commissioned (Date)	2013/14	
Remaining Concession Period	18	Years
Is the Concession Renewable	Part	Yes/No

Quantity of Heat Available

Annually	47,801 (at nominal 5.75 MWth)	MWh_th
Daily	138 (at nominal 5.75 MWth)	MWh_th
Minimum Output	0 (nominal 5.75 MWth)	MWth
Maximum Output (Peak)	11.5	MWth
Heat Plant Annual Availability	94.9% (availability 2019)	%
Heat Availability Guaranteed	No	Yes/No
What would be the max efficiency the plant can achieve with max heat export	~33%	%
Is thermal back-up plant available	No	Yes/No

If "Yes" to above how much (Peak)	No	MWth
What is the backup plants fuel source	n/a	
If "No" to above is space available onsite to build backup plant facility	n/a	Yes/No
Are you already supplying heat to an heat off-take customer	Yes	Yes/No
If "yes" confirm capacity	No	MWth

System Parameters

Primary Circuit		
Medium (Select one.)	LTHW	
Maximum Supply Temperature	85	°C
Minimum Supply Temperature	85	°C
Supply Pressure	2	BarG
Maximum Condensate Return Temperature	85	°C
Minimum Condensate Return Temperature	55	°C
Condensate System Operating Pressure	1	BarG
Secondary LTHW Circuit – if applicable		
Maximum Supply Temperature	n/a	°C
Minimum Supply Temperature	n/a	°C
Maximum Return Temperature	n/a	°C
Minimum Return Temperature	n/a	°C
System Operating Pressure	n/a	BarG
Will the heat provided be sacrificial to Electricity generation	Yes	Yes/No

If "Yes" how much electricity will be lost annually	Tbc – heat use dependent	MWe
Electricity Carbon Factor (Calculation as defined in SAP)	0.557 (Suez EfW Average)	kgCO2/kWh
Heat Carbon Factor (Calculation as defined in SAP)	n/a	kgCO2/kWh

EfW Heat Network Directory

Veolia – Tyseley ERF

The operator will review this document every 2 years at a minimum to capture changing data over time.

Date of completion of the Directory	25/10/2024

Operator

Organisation	Veolia
Facility	Tyseley ERF
Address	James Rd Tyseley Birmingham B11 2BA
Contact Details	
Name	Paul Collier
Telephone No.	07880 553508
Email Address	paul.collier@veolia.com

Owner/Organisational Structure (Describe)

Company Structure
Corporate structure of EfW operation
Tyseley ERF is operated by Veolia under contract with Birmingham City Council
Individuals involved and responsibilities

Waste Source (Describe)

When was the Plant Commissioned (Date)	1995	
Remaining Concession Period	10	Years
Is the Concession Renewable	Yes	

Quantity of Heat Available

Annually	60,774	MWh_th
Daily	184.8	MWh_th
Minimum Output	0	MWth
Maximum Output (Peak)	7.7	MWth
Heat Plant Annual Availability	90.1	%
Heat Availability Guaranteed	No	Yes/No
What would be the max efficiency the plant can achieve with max heat export		%
Is thermal back-up plant available	No	Yes/No
If “Yes” to above how much (Peak)		MWth
What is the backup plants fuel source		
If “No” to above is space available onsite to build backup plant facility	Yes	Yes/No
Are you already supplying heat to an heat off-take customer	No	Yes/No
If “yes” confirm capacity		MWth

System Parameters

Primary Circuit		
Medium (Select one.)	Steam	
Maximum Supply Temperature	150	°C
Minimum Supply Temperature		°C
Supply Pressure	3.5	BarG
Maximum Condensate Return Temperature	100	°C
Minimum Condensate Return Temperature	50	°C
Condensate System Operating Pressure		BarG
Secondary LTHW Circuit – if applicable		
Maximum Supply Temperature		°C
Minimum Supply Temperature		°C
Maximum Return Temperature		°C
Minimum Return Temperature		°C
System Operating Pressure		BarG
Will the heat provided be sacrificial to Electricity generation	Yes	Yes/No
If “Yes” how much electricity will be lost annually	0.2MWe per 1 MWth extracted	MWe
Electricity Carbon Factor (Calculation as defined in SAP)	tbc	kgCO2/kWh
Heat Carbon Factor (Calculation as defined in SAP)	tbc	kgCO2/kWh

EfW Heat Network Directory

Viridor – Westfield

The operator will review this document every 2 years at a minimum to capture changing data over time.

Date of completion of the Directory	28/04/2025

Operator

Organisation	Viridor
Facility	Westfield
Address	Fife Scotland
Contact Details	
Name	Leon Brackstone
Telephone No.	07801 172917

Email Address	lbrackstone@viridor.co.uk

Owner/Organisational Structure (Describe)

Company Structure
Viridor / Equitix Joint Venture
Corporate structure of EfW operation
Owner
Individuals involved and responsibilities

Waste Source (Describe)

When was the Plant Commissioned (Date)	2025	
Remaining Concession Period		
Is the Concession Renewable		Yes/No

Quantity of Heat Available

Annually	47,830	MWh_th
Daily	144	MWh_th
Minimum Output	TBA	MWth
Maximum Output (Peak)	6.0	MWth
Heat Plant Annual Availability	91	%
Heat Availability Guaranteed	TBC	Yes/No
What would be the max efficiency the plant can achieve with max heat export	7.6	%
Is thermal back-up plant available	No	Yes/No
If “Yes” to above how much (Peak)	Not Applicable	MWth
What is the backup plants fuel source	Not Applicable	
If “No” to above is space available onsite to build backup plant facility	Yes	Yes/No
Are you already supplying heat to an heat off-take customer	No	Yes/No

If "yes" confirm capacity	Not Applicable	MWth

System Parameters

Primary Circuit		
Medium (Select one.)	Steam	
Maximum Supply Temperature	114	°C
Minimum Supply Temperature	TBA	°C
Supply Pressure	1.62	BarG
Maximum Condensate Return Temperature	85	°C
Minimum Condensate Return Temperature	TBA	°C
Condensate System Operating Pressure	TBA	BarG
Secondary LTHW Circuit – if applicable		
Maximum Supply Temperature	Not Applicable	°C
Minimum Supply Temperature	Not Applicable	°C
Maximum Return Temperature	Not Applicable	°C
Minimum Return Temperature	Not Applicable	°C
System Operating Pressure	Not Applicable	BarG
Will the heat provided be sacrificial to Electricity generation	Yes	Yes/No
If "Yes" how much electricity will be lost annually	0.67	MWe
Electricity Carbon Factor (Calculation as defined in SAP)	0.136	kgCO2/kWh
Heat Carbon Factor (Calculation as defined in SAP)		kgCO2/kWh

EfW Heat Network Directory

Suez – Wilton 11 EfW

The operator will review this document every 2 years at a minimum to capture changing data over time.

Date of completion of the Directory	11/12/2024

Operator

Organisation	Suez
Facility	Wilton 11 EfW
Address	SUEZ Wilton 11 EfW Wilton International Redcar TS10 4RG
Contact Details	

Name	Stephen Kirkham
Telephone No.	(+44) 7977290617
Email Address	stephen.kirkham@suez.com

Owner/Organisational Structure (Describe)

Company Structure
Corporate structure of EfW operation
SPV ownership, O&M contract in place with on-site customer with all heat offtake requested on demand under a pre-defined agreement.
Individuals involved and responsibilities
Gary Mayson (COO) Tim Otley (National Energy Director) Mat Kay (Energy Director North) Alex Biggins (Plant Manager)

Waste Source (Describe)

When was the Plant Commissioned (Date)	2016	
Remaining Concession Period		Years
Is the Concession Renewable	Yes	Yes/No

Quantity of Heat Available

Annually	720,000 (8,000 hours)	MWh_th
Daily	2,160	MWh_th
Minimum Output	0	MWth
Maximum Output (Peak)	90	MWth
Heat Plant Annual Availability	91.3	%
Heat Availability Guaranteed	Yes	Yes/No
What would be the max efficiency the plant can achieve with max heat export		%

Is thermal back-up plant available	No	Yes/No
If "Yes" to above how much (Peak)	N/a	MWth
What is the backup plants fuel source	N/a	
If "No" to above is space available onsite to build backup plant facility	No	Yes/No
Are you already supplying heat to an heat off-take customer	Yes	Yes/No
If "yes" confirm capacity	Variable	MWth

System Parameters

Primary Circuit		
Medium (Select one.)	Steam	
Maximum Supply Temperature	410 (HP), 285 (IP), 180 (LP)	°C
Minimum Supply Temperature	315 (HP), 285 (IP), 160 (LP)	°C
Supply Pressure	57 (HP), 17 (IP), 2.7 (LP)	BarG
Maximum Condensate Return Temperature	n/a	°C
Minimum Condensate Return Temperature	n/a	°C
Condensate System Operating Pressure		BarG
Secondary LTHW Circuit – if applicable		
Maximum Supply Temperature	n/a	°C
Minimum Supply Temperature		°C
Maximum Return Temperature	n/a	°C
Minimum Return Temperature	n/a	°C
System Operating Pressure	n/a	BarG

Will the heat provided be sacrificial to Electricity generation	Yes	Yes/No
If "Yes" how much electricity will be lost annually	HP steam – 0.238 MWe/t (1t of steam = ~ 0.88 MWth) IP steam – 0.290 MWe/t (1t of steam = ~ 0.83 MWth) LP steam – 0.210 MWe/t (1t of steam = ~ 0.78 MWth)	MWe
Electricity Carbon Factor (Calculation as defined in SAP)	0.557 (Suez EfW Average)	kgCO2/kWh
Heat Carbon Factor (Calculation as defined in SAP)	0.403	kgCO2/kWh