



# NORTH LINCOLNSHIRE GREEN ENERGY PARK

Planning Act 2008

Infrastructure Planning  
(Applications  
Prescribed Forms and  
Procedure) Regulations  
2009

## North Lincolnshire Green Energy Park

Volume 8

8.2.1 Draft Statement of Common  
Ground with Severn Trent

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## **Disclaimer**

A Draft SoCG relates to a SoCG that has mainly been agreed between both parties, but there are a number of issues still outstanding, and it is yet to be signed off.

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## GLOSSARY

Acronym	Full term / Description
2008 Act	Planning Act 2008
AGI	Above Ground Installations
CCTV	Closed Circuit Television
CBMF	Concrete Block Manufacturing Facility
CEMP	Construction Environmental Management Plan
CCUS	Carbon Capture, Utilisation and Storage
CO2	Carbon Dioxide
CoCP	Code of Construction Practice
DCO	Development Consent Order
DHPWN	District Heating and Private Wire Network
EA	Environment Agency
EV	Electric Vehicle
ERF	Energy Recovery Facility
ES	Environmental Statement
FGTr	Flue Gas Treatment Residue
H2	Hydrogen
NPS	National Policy Statement
NSIP	Nationally Significant Infrastructure Project
NLGEP	North Lincolnshire Green Energy Park
PRF	Plastic Recycling Facility
RHTF	Residue Handling and Treatment Facility
SoS	Secretary of State
SoCG	Statement of Common Ground
SuDS	Sustainable Drainage Systems

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## 1.0 INTRODUCTION

### 1.1 Overview

- 1.1.1 This Statement of Common Ground ('SoCG') has been prepared on behalf of North Lincolnshire Green Energy Park Limited ('the Applicant'). It forms part of the application (the 'Application') for a Development Consent Order (a 'DCO'), that has been submitted to the Secretary of State (the 'SoS') for Business, Energy and Industrial Strategy, under Section 37 of 'The Planning Act 2008' (the '2008 Act').
- 1.1.2 The Proposed Development is an Energy Recovery Facility (ERF) capable of converting up to 760,000 tonnes of non-recyclable waste into 95 MW of electricity and a carbon capture, utilisation and storage (CCUS) facility which will treat a proportion of the excess gasses released from the ERF to remove and store carbon dioxide (CO<sub>2</sub>) prior to emission into the atmosphere. It is described in Chapter 3: Project Description and Alternatives of the Environmental Statement (ES) (APP-051).
- 1.1.3 The Proposed Development meets the criteria to be considered as an NSIP under the 2008 Act as a 'generating station' under section 15(2). Section 15(2) defined an NSIP as a proposed generating station which would be located within England, would not be offshore, and would have a total generating capacity of more than 50MW.

### 1.2 The Proposed Development

- 1.2.1 The North Lincolnshire Green Energy Park (NLGEP), located at Flixborough, North Lincolnshire, comprises an ERF capable of converting up to 760,000 tonnes of non-recyclable waste into 95 MW of electricity and a CCUS facility which will treat a proportion of the excess gasses released from the ERF to remove and store CO<sub>2</sub>. Prior to emission into the atmosphere. The design of the ERF and CCUS will also enable future connection to the Zero Carbon Humber pipeline, when this is consented and operational, to enable the possibility of full carbon capture in the future.
- 1.2.2 The NSIP incorporates a switchyard, to ensure that the power created can be exported to the National Grid or to local businesses, and a water treatment facility, to take water from the mains supply or recycled process water to remove impurities and make it suitable for use in the boilers, the CCUS facility, concrete block manufacture, hydrogen production and the maintenance of the water levels in the wetland area.
- 1.2.3 The Project includes the following Associated Development to support the operation of the NSIP:
- a bottom ash and flue gas residue handling and treatment facility (RHTF);
  - a concrete block manufacturing facility (CBMF);

- a plastic recycling facility (PRF);
  - a hydrogen production and storage facility;
  - an electric vehicle (EV) and hydrogen (H2) refuelling station;
  - battery storage;
  - a hydrogen and natural gas above ground installation (AGI);
  - a new access road and parking;
  - a gatehouse and visitor centre with elevated walkway;
  - railway reinstatement works including; sidings at Dragonby, reinstatement and safety improvements to the 6km private railway spur, and the construction of a new railhead with sidings south of Flixborough Wharf;
  - a northern and southern district heating and private wire network (DHPWN);
  - habitat creation, landscaping and ecological mitigation, including green infrastructure and 65 acre wetland area;
  - new public rights of way and cycle ways including footbridges;
  - Sustainable Drainage Systems (SuDS) and flood defence; and
  - utility constructions and diversions.
- 1.2.4 The Project will also include development in connection with the above works such as security gates, fencing, boundary treatment, lighting, hard and soft landscaping, surface and foul water treatment and drainage systems and CCTV.
- 1.2.5 The Project also includes temporary facilities required during the course of construction including site establishment and preparation works, temporary construction laydown areas, contractor facilities, materials and plant storage, generators, concrete batching facilities, vehicle and cycle parking facilities, offices, staff welfare facilities, security fencing and gates, external lighting, roadways and haul routes, wheel wash facilities, and signage.
- 1.2.6 The overarching aim of the Project is to support the UK's transition to a low carbon economy as outlined in the Sixth Carbon Budget (December 2020), the national Ten Point Plan for a Green Industrial Revolution (November 2020) and the North Lincolnshire prospectus for a Green Future which is currently being developed. It will do this by enabling circular resource strategies and low-carbon infrastructure to be deployed as an integral part of the design (for example by re-processing ash, wastewater and carbon dioxide to manufacture concrete blocks) and capturing waste-heat to supply local homes and businesses with heat via a district heating network.

### **1.3 Parties to this Statement of Common Ground**

- 1.3.1 This Statement of Common Ground is between the North Lincolnshire Green Energy Park and Severn Trent Water.

1.3.2 Severn Trent Water is one of the largest of the eleven regulated water and waste water companies in England and Wales. They provide services to around 4.6 million households and businesses in the Midlands.

## 1.4 The Purpose and Structure of this Document

1.4.1 The purpose of this document is to summarise clearly the agreements reached between the parties on matters relevant to the examination of the Application and to assist the Examining Authority in their determination of the Application. It has been prepared with regard to the guidance in 'Planning Act 2008: examination of application for development consent' (Department for Communities and Local Government, March 2015).

1.4.2 The document is structured as follows:

- Section 2 – sets out the key correspondence and engagement between the parties up until the submission of the Application; and,
- Section 3 – sets out the matters agreed and matters outstanding between the parties during the pre-application stage in respect of the Application.

## 2.0 SUMMARY OF ENGAGEMENT

2.1.1 The below Table 2.1 contains a record of key correspondence and engagement between the Applicant and Severn Trent Water pertinent to this SoCG.

**Table 2.1: Summary of Correspondence and Engagement**

<b>Date</b>	<b>Attendance</b>	<b>Topics Covered</b>
02/08/2022	Severn Trent, Corner Water Consulting (CWC), Buro Happold (on behalf of the Applicant)	Flows, impacts, upgrade works
08/11/2022	Severn Trent, Corner Water Consulting (CWC)	Assessment of whether the proposed flows can be accommodated in the ST network and consideration of flooding, pollution and operational impacts.
22/11/2022	Severn Trent, NLGEP, Buro Happold (on behalf of the Applicant), LDA	Discussion of SoCG points, capacity of network, confirm sign off within Severn Trent

Date	Attendance	Topics Covered
	(on behalf of the Applicant)	
29/11/2022	Severn Trent, NLGEP, Buro Happold (on behalf of the Applicant)	Follow up to previous SoCG call
09/02/2023	Severn Trent, NLGEP, Buro Happold (on behalf of the Applicant), Corner Water Consulting (supporting Buro Happold), LDA (on behalf of the Applicant)	Follow up to previous SoCG call
16/02/2023	Email from Severn Trent Water (Asif Mussa)	Confirmation from STW that “further modelling will not be going ahead as the domestic flow does not exceed the previously discharged trade flow of 0.35 l/s that has been removed.  I can confirm that we can accept the domestic flows proposed in the email from Alan Corner dated 25/01/23.”

### 3.0 MATTERS

- 3.1.1 The below Table 3.2 contains a list of ‘matters agreed’ correct at the date of the 21 February 2023 (Deadline 5) along with a concise commentary of what the item refers to and how it came to be agreed between the two parties.



**Table 3.2: List of Matters**

<b>SEVERN TRENT WATER POSITION</b>	<b>APPLICANT POSITION</b>	<b>STATUS</b>
<p>Site was added to prioritised list of schemes requiring upgrade works following sewer capacity assessment in January 2022. The Project will generate both domestic and trade effluent. Process for promotion of upgrade scheme can only commence once DCO is granted. Once the DCO has been granted the urgency score will be updated and the priority of the site can then be reviewed.</p>	<p>Latest correspondence with STW has indicated that the existing sewer network can accept the 0.35l/s of domestic flow based on the removal of the previously discharged trade flow. Trade effluent flow will be reused on site and will not require a discharge to the STW network.</p> <p>This item is agreed</p>	
<p>Clarification if any of the Severn Trent assets will be affected by the proximity of the proposed new buildings. Specifically, confirmation required of any proposed structures within 6m of rising main.</p>	<p>Ground penetrating radar (GPR) survey to be carried out to determine accurate location of the assets and let Severn Trent know if their assets are affected and if they require protection or diversion. Based on current sewer records, rising main is minimum 19m from any proposed structure.</p> <p>This item is agreed</p>	
<p>In principle, trade effluent capacity released from demolition of existing buildings can be replaced by domestic flows generated by The Project. Severn Trent have confirmed receipt of domestic flow data from the Applicant and confirm that these are acceptable. No further modeling is required as proposed domestic flow does not</p>	<p>The Applicant has confirmed that demolition of existing structures releases 0.35 litres/second of trade effluent capacity, proposed domestic capacity generated is below 0.35 litres. The Applicant assumes we can discharge 0.35l/s of domestic flow to the public network.</p> <p>This item is agreed</p>	

exceed the previously discharged trade flow of 0.35 l/s that has been removed.		
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## 4.0 SIGNATURES

4.1.1 This Statement of Common Ground is agreed:

On behalf of **Insert Name Here:**

Name: XXXX

Signature: XXXX

Date: XX

On behalf of the Applicant:

Name: XXXXX

Signature: XXXX

Date: XXXXX

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