

WELCOME

We are pleased to welcome you to view and comment on the proposal for the construction of a New Energy Plant (NEP) to be located back from the corner of Inchyra Road and Bo’ness Road Grangemouth, on the open plot to the east of the existing Combined Heat & Power (CHP) plant. This proposal will form a planning application to Falkirk Council in October following statutory pre-application consultation.

Aim of this Consultation Event

This statutory Pre-Application Consultation Event aims to:

- Provide community consultation as part of the statutory planning process
- Communicate the detail of the INEOS proposals
- Engage and have dialogue with the local community on the proposals
- Review areas of opportunity to further enhance the proposals in light of consultation feedback, and further consider mitigation measures
- Ensure that the community and stakeholders are actively engaged and can participate in the planning process

Please read through the exhibition panels and provide any feedback on the comments form. Members of the INEOS NEP Team are here to answer any questions you may have.



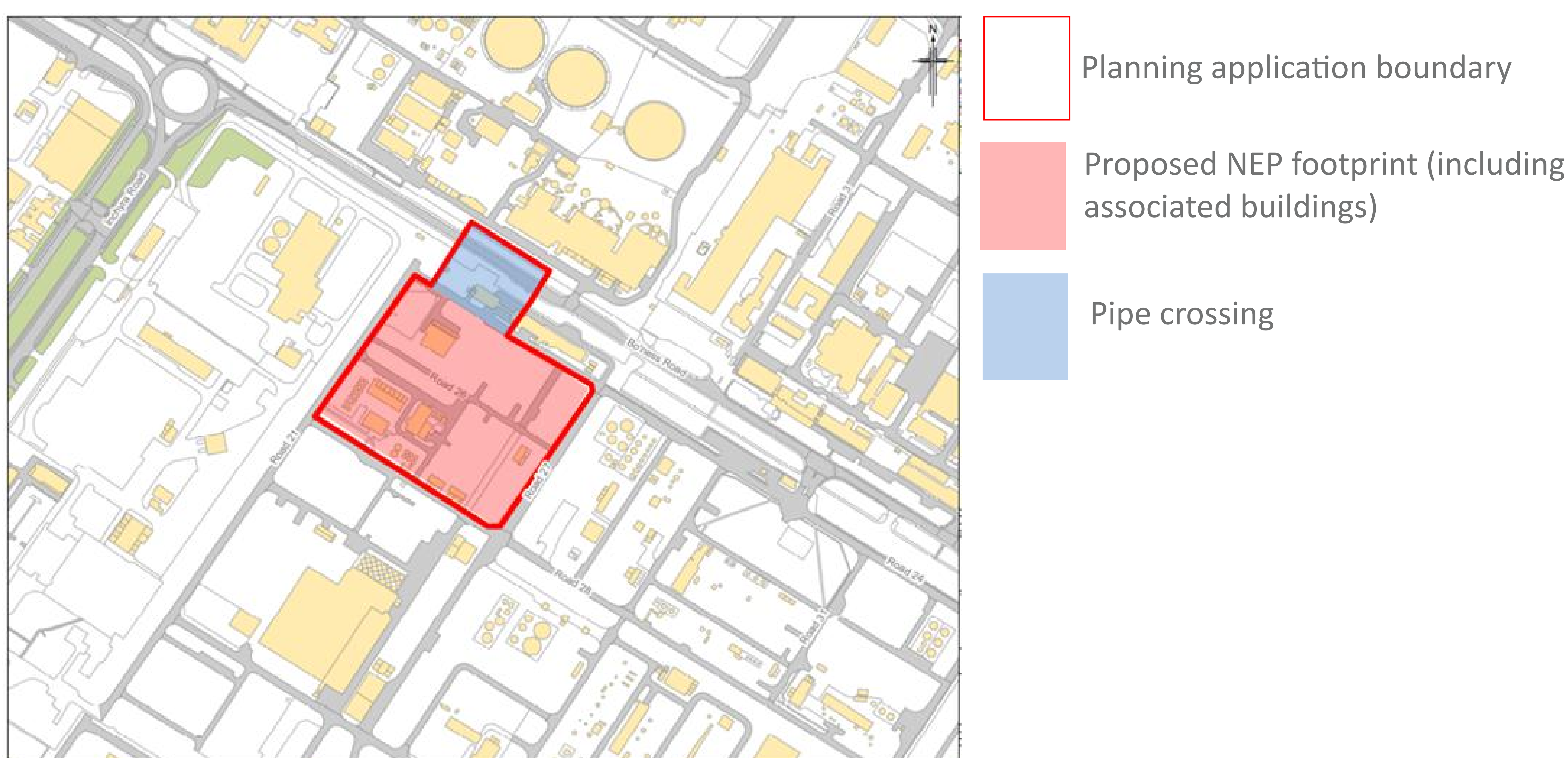
PLANNING APPLICATION: NEW ENERGY PLANT, GRANGEMOUTH

The Proposed Development

The Proposed Development comprises the following elements:

- Three boilers, with associated flues, generate superheated high pressure steam – 345 megawatts thermal output
- Steam Turbine Generator, utilises steam pressure reduction to generate electricity – up to 35 megawatts output
- Supporting systems to manage operation of the Plant, including a control room
- Pipe crossing of Bo’ness Road to provide required connection to wider site
- Car parking for 10 cars at new control room building

The works require planning permission under the Town and Country Planning (Scotland) Act 1997. The Grangemouth complex is identified in the Scottish National Planning Framework 3 and therefore the planning application will be a National Planning Application. The planning application will be submitted to Falkirk Council for consideration, before referral to Scottish Ministers for final decision.





INEOS—THE COMPANY

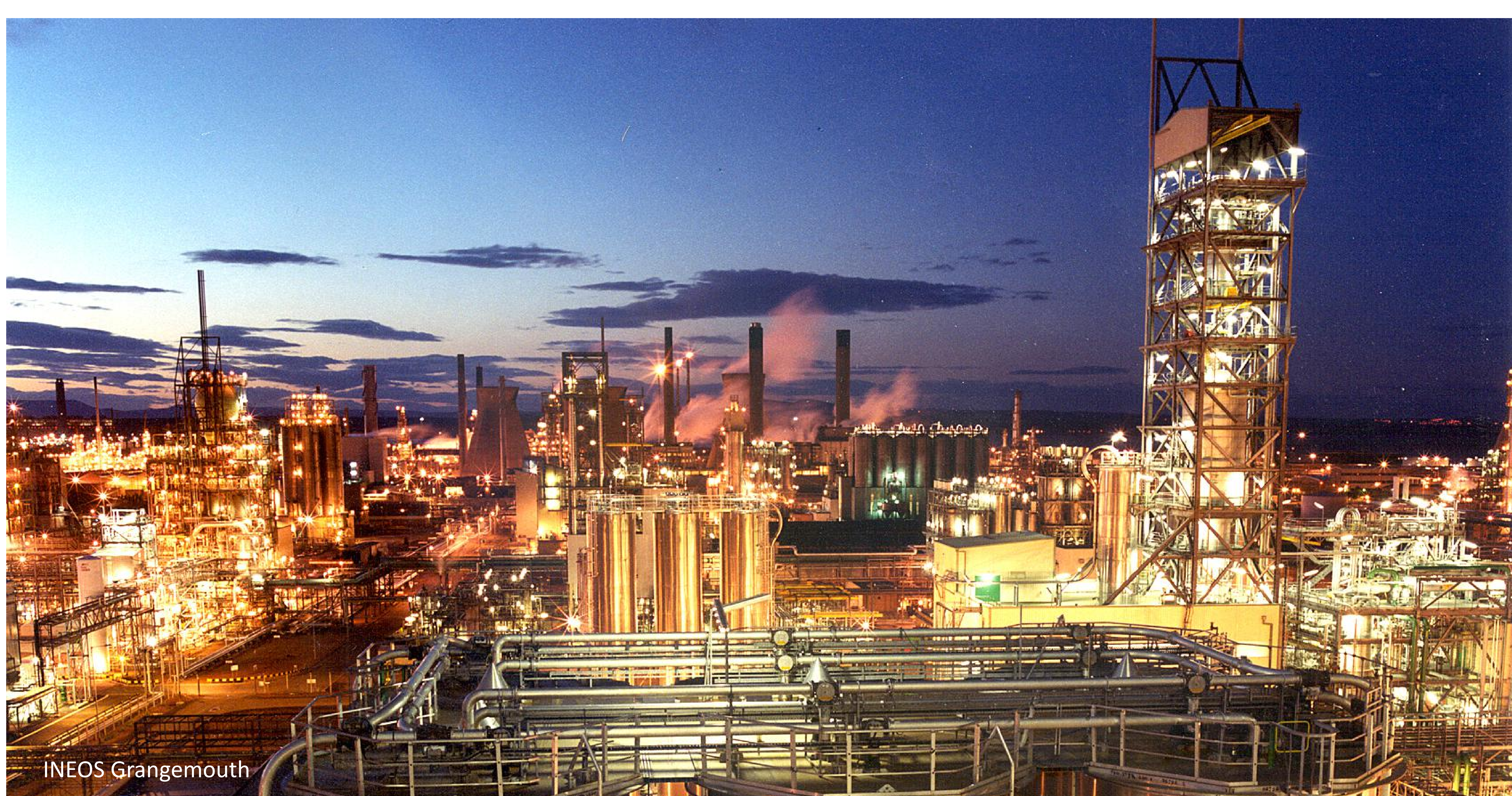
INEOS is one of the world’s largest chemical groups. It is a global manufacturer of petrochemicals, speciality chemicals and oil products. It comprises 18 businesses each with a major chemical company heritage. Its network spans 67 sites in 16 countries throughout the world. Grangemouth represents INEOS’ largest manufacturing site by volume of products and is home to Petroineos – Scotland’s only crude oil refinery.

The Grangemouth site is currently benefiting from a significant investment programme, including the construction of Europe’s largest ethane storage tank and jetty terminal enabling the importation of shale gas ethane from the USA.

Grangemouth has one of only four gas crackers in Europe capable of using ethane gas to manufacture ethylene – the basic building block used in the petrochemical industry.

We are looking to the future. We have developed a comprehensive Masterplan to facilitate an investment and regeneration programme across the Grangemouth site, and this proposal forms an important part of that. We are seeking to bring forward major new investment for the site, building upon the new ethane facilities and services support infrastructure.

We are working with a number of stakeholders , including Scottish Government and Scottish Enterprises, to support the Masterplan and attract new investment to Grangemouth. To achieve this much work is required to ensure the site can compete with the best of European operations. Our planning application for a new energy plant is a critical element to securing long-term viability for the site and ultimately investment.



INEOS Grangemouth

NEED FOR THE PROJECT

The Proposed Development is required to ensure the steam supply and long-term viability of the Grangemouth site.

Steam is currently supplied by the existing Combined Heat and Power (CHP) Plant and B&C Power Station, however:

- B&C Plant is scheduled for decommissioning; and
- CHP Plant is, at times, shut down for maintenance.

Therefore the NEP will replace the B&C Power Station to provide contingency steam and electrical power supply for CHP Plant outages and cover steam demand in excess of the CHP Plant.



CONSTRUCTION OF THE PROPOSED DEVELOPMENT

When will the construction start?

Subject to consent, construction of the NEP is currently scheduled to commence early 2019 and be completed by Autumn 2020.

How will the Proposed Development be constructed?

There will be an initial period of civil engineering works consisting of removal of the existing concrete slab, piling, earthworks and construction of pipework and associated infrastructure, including a pipe crossing of Bo'ness Road.

If a pipe bridge is selected as the final design solution for connecting the Proposed Development, across the Bo'ness Road, with the northern area of the Grangemouth Complex, then this will be constructed using prefabricated sections. The height will be approximately 10m and will not restrict traffic flows on the Bo'ness Road once completed.

The boilers will be manufactured off-site and shipped to the Port of Grangemouth, before transportation to site via Bo'ness and Inchyra Road. Once in-situ on site the boilers will be connected into the pipework and infrastructure.

Elevated view of NEP looking south-east across A904 Bo'ness Road



CONSTRUCTION OF THE PROPOSED DEVELOPMENT

What hours will construction take place?

It is anticipated the construction site will operate Monday to Friday between the hours of 07:00 to 19:00. Work outside of these times may be required, and will be agreed with Falkirk Council.

Will construction require Bo'ness Road to be closed?

There will be a requirement for short-term closure (currently estimated to be one month) of Bo'ness Road whilst the pipe crossing is constructed. There may also be temporary traffic management requirements when the boiler units are moved from the Port of Grangemouth to site, but impacts will be mitigated through a Traffic Management Plan.

How many people will be needed for construction?

The average construction workforce for the project will be 100 to 150, with a peak workforce of 300 (autumn 2019 to spring 2020).

What about the impacts from construction?

There will be an assessment of construction traffic impacts as part of the planning application. The Environmental Impact Assessment will also assess potential construction impacts.

View of NEP looking from north-west from A904 Bo'ness Road



OPERATION OF THE PROPOSED DEVELOPMENT

How will the development operate?

The boilers will convert the chemical energy from combusting fuel into a thermal output in the form of superheated pressurised steam. Combustion gases from burning of the fuel will exit the boiler via the flue, and be discharged to the atmosphere. The steam produced will be distributed through a pipe network to end users at the Grangemouth site.

There will also be a Steam Turbine Generator that will utilise some of the steam to generate electrical power. The electrical power will be used on the Grangemouth site, and if any excess is produced this will be transferred to the National Grid.

What scale will the Proposed Development be?

The boiler units will be approximately 20m in height with the associated flues approximately 40m in height. For context the existing CHP is 30m high with a flue of around 60m.

What will be the fuel source?

The fuel source will be mixed gas, sourced from within the Grangemouth Complex via pipe infrastructure. The Proposed Development will not be able to accept any fuel sources with sulphur content.



OPERATION OF THE PROPOSED DEVELOPMENT

Will there be new jobs created?

The total workforce for the Proposed Development will comprise the personnel that work on the B&C Power Station, so there will be no net increase in jobs.

What about the impacts of the operation of the Proposed Development?

The potential impacts will be assessed through an Environmental Impact Assessment as part of the planning application.

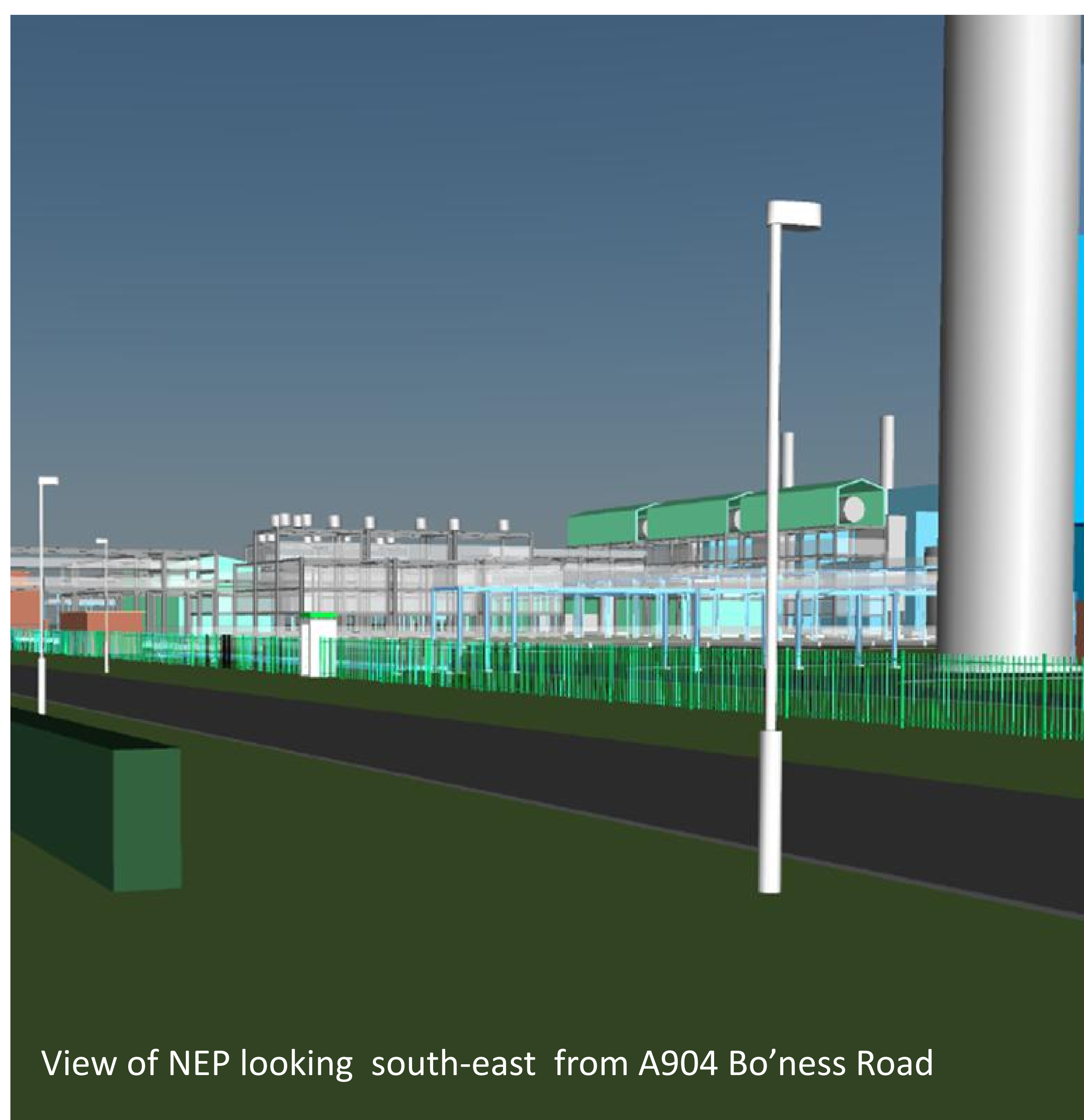
The operation of the Proposed Development will also be regulated by permit through the Scottish Environment Protection Agency (SEPA), who have been consulted on the scope and assessment requirements to ensure that the Proposed Development is compliant with the relevant legislation.

There will be an assessment of construction traffic impacts to support the planning application. The Environmental Impact Assessment will also assess potential construction impacts.

Elevated view of NEP looking west from A904 Bo'ness Road



View of NEP looking south-east from A904 Bo'ness Road



ENVIRONMENTAL IMPACT ASSESSMENT

Environmental Impact Assessment (EIA) is a process undertaken to identify and assess the likely significant environmental effects of a proposed development. The process of EIA is governed by the Town and Country Planning (Environmental Impact Assessment) Regulations 2017. For certain types of project, depending on their nature and scale as defined in the Regulations, an EIA must be undertaken.

Due to the thermal output (345 megawatts thermal) of the Proposed Development it is a legislative requirement that an EIA is undertaken as part of the Planning Application.

A Request for Scoping Opinion was made to Falkirk Council on 30 June 2017. Through this process consultation has been undertaken with SEPA, Scottish Natural Heritage, Historic Environment Scotland, Marine Scotland, Royal Society for the Protection of Birds Scotland and others to agree the scope of the EIA.

The EIA process will be presented in an EIA Report that will be submitted with the Planning Application. A preliminary review of potential impacts considered it unlikely there will be any significant environmental effects.

The following will be assessed:

- Air Quality
- Noise & Vibration
- Ground conditions
- Water environment (including Flood Risk)
- Biodiversity
- Transport and Traffic (including construction)



NEXT STEPS

Grangemouth is a nationally important site, Scotland's largest manufacturing site and a key local employer. The site needs to be competitive with the best in Europe and to build a future through investment. We recognise the need and actively encourage engagement with our local community and stakeholders. We will welcome your comments and feedback to shape our Proposed Development recognising the need of INEOS to secure sustainable growth and new investment at Grangemouth.

Opportunity to comment

This event provides an opportunity to discuss any issues and to write down your comments on the Proposed Development. Your comments will be recorded in the Pre-Application Consultation Report which will accompany the planning application. Please leave the completed form in the Comments Box.

If you need more time, please feel free to take the comment form away with you. Please be sure to return completed forms by 8 September 2017. Addressed to: Communications Manager, INEOS, PO Box 21, Bo'ness Road, Grangemouth FK3 9XH.

Our next steps will be to consider your views in finalising the proposals. Please note that any comments received will not be representations to the Planning Authority. There will be an opportunity to provide comments direct to the Planning Authority on the proposals after the planning application has been lodged with Falkirk Council.

Thank you for attending and sharing your views

