

Public

Ref: FOI/26/058

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11 June 2026

Dear requester

Request for Information

Thank you for your request for information which was received by NESO on 27 May 2026. Your request has been considered under the Environmental Information Regulations 2004 (EIR) because the requested information meets the definition of 'environmental information at Regulation 2(1) of the EIR.

Request

You asked us:

NESO publications refer to modelling indicating that the levelised cost of electricity for a combined cycle gas turbine (CCGT) plant in 2035 varies significantly depending on load factor.

Please provide the following information:

1. *The modelled levelised cost of electricity (£/MWh) for a new CCGT plant in 2035 under the following load factor assumptions:*
 - *10% load factor*
 - *50% load factor*
 - *90% load factor.*

2. *The key assumptions used in this modelling, including where available:*
 - *capital cost assumptions*
 - *fuel price assumptions*
 - *plant lifetime*
 - *discount rate.*

3. *Confirmation of whether the modelling assumes carbon costs, and if so the carbon price used.*

Our response

We can confirm that we hold recorded information in scope of your request.

The information that you have requested is available in the Future Energy Scenario (FES) 2025 – Economics Annex Documents:

- Figure 12 at Pg 15 of the [FES 2025 Economics Annex \(December 2025\)](#) provides 'levelised costs of energy for key electricity generation options in 2035' including Gas CCGT at 10%, 50% and 90% LF
- Tab EA.03 of the [FES 2025 Economics Tables and Graphs Data Workbook v1.xlsx](#)
- Tab E.08 of the [FES 2025 Economics Inputs Data Workbook v1.xlsx](#)

The notes sections on the linked workbook tabs provide information on the inputs.

This concludes our response to your request.

Next steps

If you are dissatisfied with our handling of your request, you can ask us to review our response. If you want us to carry out a review, please let us know within 40 working days and quote the reference number at the top of this letter. You can find our procedure here: [Freedom of Information and Environmental Information Regulations | National Energy System Operator](#). The ICO's website also provides guidance on the internal review process: [What to do if you are dissatisfied with the response | ICO](#).

If you are still dissatisfied after our internal review, you can complain to the Information Commissioner's Office (ICO). You should make complaints to the ICO within six weeks of receiving the outcome of an internal review. The easiest way to lodge a complaint is through their website: www.ico.org.uk/foicomplaints. Alternatively, they can be contacted at: Wycliffe House, Water Lane, Wilmslow, SK9 5AF.

Thank you for your interest in the work of the National Energy System Operator (NESO).

Regards,

The Information Rights Team, National Energy System Operator (NESO)