

[REDACTED]

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**From:** EIR  
**Sent:** 23 December 2025 12:17  
**To:** [REDACTED]  
**Subject:** [REDACTED]

Dear Requester

Thank you for your request for information about Carbon and cost of the Lincolnshire Reservoir project, which we received on 1 December 2025. Your request has been considered under the Environmental Information Regulations 2004 (EIR).

You requested:

1. Projected whole life Carbon Dioxide Equivalent Release
2. Projected total cost
3. Projected total cost and projected total Carbon Dioxide Equivalent Release for Earthworks, spillway and outlet works
4. the recorded estimate for the projected total Carbon Dioxide Equivalent Release (tCO<sub>2</sub>e) for the construction of the core elements (earthworks, dam, spillway, and outlet works) of an equivalent Conventional Valley Dam

**EIR Response: Partial Provision & Partial Refusal of Requested Information**

The information requested relates to the scheme presented in the most recent RAPID Gate 2 Report. Please see link here for the full report :

<https://www.anglianwater.co.uk/siteassets/household/about-us/slr-rapid-gate-two-submission.pdf>

**Item 1** is held by Anglian Water and has been provided below.

See below information within the Gate 2 Report [ref: *Carbon*, p. 32]

**Table 8: Summary of whole life carbon emissions and associated carbon costs**

Emissions type	tCO2e	% total emissions	Carbon £M NPV	% carbon costs
Capital Carbon	376,250	55%	74.8	69%
Capital Replacement Carbon	84,440	12%	7.5	7%
Operational Carbon (non-power)	191,450	28%	21.8	20%
Operational Carbon (power)	35,250	5%	4.3	4%
<b>Total</b>	<b>687,390</b>		<b>108.4</b>	

Table 8 also provides the estimated carbon costs as a net present value for each emissions category; the total Carbon NPV is estimated at £108M. The table highlights that capital carbon emissions account for approximately 69% of carbon costs, followed by non-power-related operational carbon at 20%. Capital replacements and power-related operational emissions account for 7% and 4% of emissions respectively. These carbon costs can be used to further assess cost efficiency of future mitigation measures as alternatives are tested in more detail at later design stages.

Item 2 is held by Anglian Water and has been provided below.

See below information within the Gate 2 Report: [ref: *Solution costs and benefits*, p. 45]

	Units
<b>CAPEX</b>	
Base Capex	£861m
Indirect Costs	£625m
Costed Risk	£294m
Optimism Bias	£555m
Total gate two Capex	£2,336m

Item 3 is held by Anglian Water and has been provided below.

Whilst we do not have the breakdown into the categories as per your request, please refer to the 'South Lincolnshire Reservoir' link with the following information, which can be found under - Gate 2 Documents - [South Lincolnshire Reservoir \(SLR\)](#) and then via the link to [Annex E - EAR; annex A.4 Carbon Assessment \(599 KB\) \(pdf\)](#) - Gate 2 EAR Carbon Appendix.

Our summary break-down of carbon emissions can be found in the above report and is referenced below for clarity as per table 2.1:

**Table 2.1: Summary of emission sources by water resource |**

<b>Asset types</b>	<b>Scheme area</b>	<b>Capital cost</b>
Reservoir embankment earthworks	Reservoir	
Roads and car parks	Reservoir	
Buildings	Reservoir	
Power supply, including renewables	Reservoir	
Pipework (within reservoir footprint)	Reservoir	
Underwater assets	Reservoir	
Tunnels sections	Reservoir	
Mechanical and Electrical equipment	Reservoir	
Bridges	Reservoir	
Service diversions	Reservoir	
Landscaping/Environmental Works	Reservoir	
Fencing	Reservoir	
Other civil structures	Reservoir	
Water towers	Reservoir	
SI R to Eton transfer	Transfer pipeline and	

Item 4 is not held by Anglian Water.

We have not undertaken a comparative Conventional Valley Dam design assessment, as this was not amongst the feasible options considered.

The exception applied is regulation 12(4)(a) information is not held.

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If you are unhappy with the service you have received in relation to your request and wish to request an internal review, you should email [EIR@anglianwater.co.uk](mailto:EIR@anglianwater.co.uk) or write to:

General Counsel, Anglian Water Services, Lancaster House, Lancaster Way, Ermine Business Park, Huntingdon PE29 6XU

If you are not content with the outcome of the internal review, you have the right to apply directly to the Information Commissioner for a decision. The Information Commissioner can be contacted at:

Information Commissioner's Office, Wycliffe House, Water Lane, Wilmslow, Cheshire SK9 5AF

If you have any queries about this email, please contact us via [EIR@anglianwater.co.uk](mailto:EIR@anglianwater.co.uk) .

Yours sincerely

**EIR Team**

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