

Strategic Solution Gate One Submission:
Query Responses

South Lincolnshire Reservoir

August 2021



Gate 1 queries process

Strategic solution(s)	South Lincolnshire Reservoir
Query number	SLR001
Date sent to company	13/07/2021
Response due by	21/07/2021

Query

We request copies of the following documentation.

1. Environmental Assessment
 2. Strategic Environmental Assessment
 3. Habitats Risk Assessment
 4. Water Framework Directive Assessment
 5. Natural Capital and Biodiversity Net Gain Assessment
 6. Carbon Assessment (any carbon related assessment material, additional to that presented in the PFA)
 7. Invasive Non-Native Species Risk Assessment
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Solution owner response

Please find attached the below four documents as requested:

1. Annex 2A Environmental Assessment Report
2. Annex 2B Habitats Regulations Assessment Report
3. Annex 2C Water Framework Directive Assessment
4. Annex 2D Strategic Environmental Assessment

The Natural Capital and Biodiversity Net Gain Assessment, carbon assessment and invasive non-native species risk assessment is embedded within Annex 2A, Environmental

Assessment Report. Please note these documents have not been checked for SEMD requirements.

In all cases the documents submitted to RAPID following request under query SLR001 contain information that is commercially confidential and in draft form. Please ensure that appropriate steps and safeguards are observed in order to maintain the security and confidentiality of this information. Any requests made to RAPID or any organisation party by third parties through the Freedom of Information Act 2000, the Environmental Information Regulations 2004, or any other applicable legislation requires prior consultation and consent by each of Anglian Water and Affinity Water before information is released as per the requirements under the respective legislations.

The content of the documents is draft and relates to material or data which is still in the course of completion in travel to Gate 2 and should not be relied upon at this early stage of development. We continue to develop our thinking and our approach to the issues raised in the document in preparation for Gate 2.

Date of response to RAPID	21 July 2021
Strategic solution contact / responsible person	[redacted]

Gate 1 queries process

Strategic solution(s)	South Lincolnshire Reservoir
Query number	SLR002
Date sent to company	19/07/2021
Response due by	21/07/2021

Query

1. Please clarify the difference between cost NPVs reported in Table 3 and those in Tables 10/11.
 2. Please confirm that gate one costs reported in Section 14 (Tables 12 and 13) are in 2017/18 prices.
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Solution owner response

Question 1:

The NPVs in Table 3 have been superseded by those in Table 10. The Table 3 NPVs were calculated in the interim before the WRSE NPV and AIC template and approach was agreed. The Table 3 NPV's have now been replaced with those in Table 10. We have also removed the carbon NPV, as the WRSE template does not currently allow an input for monetised carbon, we plan to modify the template for future Gate submissions to include a Carbon NPV value following the same approach as the current WRSE template. Please refer only to the NPVs presented in Table 10 and disregard the costs in Table 3.

Question 2:

The costs presented in Tables 2 and 13 are not in 2017/18 prices. We have updated the costs to reflect this and set out updated tables below.

Table 12: Comparison of RAPID gate one allowance and actual costs

Stage	Total RAPID allowance (£m)	Actual or forecast spend (£m)	Difference (£m)
Gate one	3.860	2.504	1.356

Table 13: Breakdown of gate one spend

		Published table Cost £k	Adjusted table Cost £k (rounded)
1	Preliminary solution feasibility and data collection	-	-
1.2	Source of water	293	277
1.2.1	Monitoring	210	201
1.3	Site selection	270	253
1.4	Concept design	471	447
1.5	Environmental considerations	268	255
1.6	Flood risk considerations	83	79
1.7	Water quality considerations	46	44
2	Initial outline of the solution procurement strategy	77	72
3 and 6	DCO planning advice and customer and stakeholder engagement	111	105
4	Contribution to regional planning	197	188
5	External assurance	29	27
7	Environment Agency and Natural England Support	254	239
8	Contribution to ACWG consistency studies	60	57
9	Project management	274	260
		2643	2504

Date of response to RAPID	21 July 2021
Strategic solution contact / responsible person	[redacted]

Gate 1 queries process

Strategic solution(s)	South Lincolnshire Reservoir:
Query number	SLR003
Date sent to company	20/07/2021
Response due by	22/07/2021

Query

Section 3 Outline project plan

In figure 5 you show different options for construction timescales. Could you please confirm what assumptions and dependencies are underpinning each timescale shown.

Solution owner response

A key assumption of the project is that South Lincolnshire Reservoir is selected by WRE's regional system simulator. This, along with the regional reconciliation process, will ascertain the proposed output of the reservoir and its expected recipients. This assumption will be revisited before gate two when the draft regional plans are available.

Using the assumption that the project will be selected, three indicative timescales are shown in the outline project plan. These illustrate how the project's timescales are dependent on the outputs of the WRE and individual company's WRMP EBSD models; these will determine when the reservoir needs to be operational, thus informing its construction programme. The EBSD process is due to occur in the latter part of 2021/early 2022, allowing the project's timescale to be refined before gate two.

There is also an assumption that the project will become a Nationally Significant Infrastructure Project, as set out in the Planning Act 2008, and will require a Development

Consent Order (DCO). The three timescales highlight the uncertainty around how swiftly the project will gain a DCO, as well as how long it may take to discharge any planning conditions prior to construction. There is also the dependency on the purchase of land, as well as procurement being in place.

The same construction programme assumptions have been made for each of the timescales: 12 months of enabling works, 42 months of construction works for the reservoir and associated infrastructure, 12 months of commissioning, 32 months of reservoir filling and 14 months of optimisation. This is an iterative process and we expect to refine the accuracy of these timescales, and construction programme assumptions, prior to gate two. This will be aided by early contractor involvement.

Date of response to RAPID	22 July 2021
Strategic solution contact / responsible person	[redacted]