



Department
for Environment
Food & Rural Affairs

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Call-Off Contract:

The Research, Development and Evidence Framework 1 – Lot 5.2

Atamis Project Ref: C20032

**Atamis Project Name: River Support Schemes –
Environmental and Sustainability
Review**

Commission Code: RDE365



Department
for Environment
Food & Rural Affairs

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Your ref:

Our ref: C20032

Date: 6 September 23

WSP UK Limited
WSP House,
70 Chancery Lane,
London, WC2A 1AF

Supply of River Support Schemes – Environmental and Sustainability Review on behalf of the Environment Agency

Following your tender for the supply of **River Support Schemes – Environmental and Sustainability Review** on behalf of the Environment Agency, we are pleased to confirm our intention to award this contract to you.

The attached contract details:

0. Defra Framework Terms and Conditions (as a separate attachment on Atamis).
1. Our request for proposal (detailing our requirements - enclosure).
2. Your proposal in response (enclosure).
3. Order Form (enclosure)

This forms the call off contract between the parties, under the Research, Development and Evidence Framework - Lot 5.2.

We thank you for your co-operation to date and look forward to forging a successful working relationship with you, resulting in a smooth and successful delivery of the deliverables. Please confirm your acceptance of the Contract terms by signing the Order Form through **DocuSign** within **7** days from the date of this letter, which will create a binding contract between us. No other form of acknowledgement will be accepted. Please remember to include the reference number above in any future communications relating to this contract.

We will then arrange for the Order Form to be countersigned so that you have a signed copy of the Order Form for your records.

Yours sincerely

1.0 Request for Proposal

- 1.1 The following document is to be used as a Call-Off template to be sent to all Contractors on a sub-lot by the Project Manager of the Contracting Authority for completion and return in accordance with the Call-Off procedures detailed in the Form of Agreement.

Research, Development and Evidence Framework			
REQUEST FOR PROPOSAL			
Project title:		River Support Schemes – Environmental and Sustainability Review	
Call off Reference:		RDE	
Atamis project ref (if applicable):		C20032	
Date:		13/07/2023	
Contracting Authority (Defra and its arms-length bodies etc)	Environment Agency (EA) [REDACTED] [REDACTED] [REDACTED]		
Project Manager:	[REDACTED]	Phone No.:	[REDACTED]
		Email:	[REDACTED] [REDACTED]
Authorized by:		Email:	
Budget Holder:	[REDACTED]		[REDACTED] [REDACTED]
Project Executive:	[REDACTED]		[REDACTED] [REDACTED]
Commercial Contact:	[REDACTED]		
Project Start Date		1 September 2023	
Project Completion Date – Initial term		31 March 2024	

Initial Period and Extension Options	<p>The initial contract period will be 01/09/2023 - 31/03/2024, at which point the contract will stop.</p> <p>Subject to budget approval, continuation of the contract will be communicated via a contract change note for year 2. If the contract continues into years 3 & 4, the same process will apply.</p>
Call off from Sub-Lot number	Lot 5.2 - R&D for water quality, water resources and coastal erosion risk management
Proposal return date: <i>(no less than 10 working days from current date)</i>	By 12:00 noon on Thursday 3 August 2023

Contractors: Failure to meet any minimum score threshold stated will result in the bid being removed from the process with no further evaluation regardless of other quality or price scores.		
Quality	Weighting	70%
Price	Weighting	30%
Quality Sub-Criteria Weightings: (Indicative only)		
E01 - Approach & Methodology (minimum score threshold 50)	<p>Please set out your understanding of the need for all work packages. We will require assurance that you understand the request and have sufficient expertise to carry out the work. Please set out your approach and methodology. We require assurance, as a minimum, that:</p> <ul style="list-style-type: none"> • Your proposed approach will meet our aims and objectives • You have clearly thought through the basis for your proposed approach ensuring that it is underpinned by relevant knowledge and practical experience • Your approach to this work is scientifically valid and appropriate, and capable of delivering robust, high-quality results, valid conclusions, and relevant recommendations • In particular you should draw out if and how existing ways of working may need adapting to enhance future research delivery • Your proposed programme of work (tasks) is clear, focused, purposeful and will deliver our requirements. This should include your approach to engagement and communication of the findings. 	50%

	<p>All content to be considered must be in the document itself – references may be cited but only the content in the document itself will be considered in the tendering process.</p>	
<p>E02 - Project Management (including project plan) (minimum score threshold 50)</p>	<p>Please set out how you will deliver the work in a timely and professional manner. Assurances that you have the necessary processes in place to deliver the work in a timely and professional manner. We require, as a minimum, assurances that:</p> <ul style="list-style-type: none"> • Your detailed timetable for the planned work meets the requirements of the project (e.g., in form of a Gantt chart) your systems and procedures for assuring quality, including your internal monitoring and review processes, will deliver outputs of the required standard. • Your approach to managing the programme of work allows adequate resources for each task, will deliver timely, reliable, insightful outputs and draw appropriately and in a timely fashion the expertise within your proposed team and within EA your approach to managing the team delivering the work will ensure appropriate skills and expertise are deployed at the appropriate time, especially where sub-contracting is involved your approach to ensuring effective collaborative working with EA researchers to enable us to jointly make quick, well-informed decisions about the future direction of the programme of work your approach to dealing with complaints or identified under-performance is clear and is likely to deliver any required improvements your contingency plans in relation to unforeseen staff changes and timing of the work. • Please include one example of a recent and relevant project that was managed by your proposed management team, describing the ways in which the management approach contributed to its success. <p>All content to be considered must be in the document itself - no links/ references to other documents will be considered.</p>	<p>10%</p>
<p>E03 - Proposed Staff (inc Pen Portraits) and Contractor's experience/accreditations (minimum score threshold 50)</p>	<p>In giving assurances that you have adequate staff resources devoted to the project, with deployment of appropriate skills and expertise, please provide:</p> <ul style="list-style-type: none"> • Proposed team structure, including an organogram (including any sub-contractors, associates and/or consortia) • A table showing each member's days expected to be spend on the project, categorised by task. 	<p>20%</p>

	<p>This should match the staff days in the cost proposals.</p> <ul style="list-style-type: none"> We require, as a minimum, assurance that each member of your team is suitably qualified and experienced to perform their allocated role effectively and efficiently, in particular that relevant individuals have the skills listed in section “2. Required skills / experience from the contractor and staff” below. <p>All content to be considered must be in the document itself - no links/references to other documents will be considered.</p> <p>Please upload a single document containing CVs of all staff (except administrators) who will work on the project. Each CV should be a maximum of 2 A4 pages each, font size Arial 11.</p>	
E04 - Risk (minimum score threshold 50)	<p>As above, we require, as a minimum, assurances that:</p> <ul style="list-style-type: none"> Your approach to risk identification and management during the project will be thorough and robust (e.g., Risk Register) and will maximise the likelihood of delivering a successful project You identify project risk against those risks identified by the Authority. Your approach to managing break clauses and the risk in maintaining project continuity within outcome delivery (including timeliness and quality) and ensuring essential staff experience. 	6%
E05 - Sustainability – Mandatory	<p>The Authority has set itself challenging commitments and targets to improve the environmental economic and social impacts of its estate management, operation, and procurement. These support the Government's green commitments. The policies are included in the Authority's sustainable procurement policy statement published at: https://www.gov.uk/government/publications/defra-s-sustainable-procurement-policy-statement</p> <p>Within this context, please briefly explain your approach to delivering the services and how you intend to reduce negative sustainability impacts. Please discuss the methods that you will employ to demonstrate and monitor the effectiveness of your organization's approach for this requirement. Within this context you will also explain your approach to deliver carbon reduction actions towards net zero.</p>	14%

Specification
1. Description of work required – overall purpose & scope (including reporting requirements)

Aim

The aim of this project is to review the environmental benefit and sustainability (water, ecology and energy) of river support schemes with consideration to the current regulatory framework. Most schemes were developed prior to [The Water Environment \(Water Framework Directive \(WFD\)\) \(England and Wales\) Regulations 2017](#), [Water Act 2003](#) and [Water Resources Act 1991](#). However, a full review of river support schemes has not been completed to ensure compliance with current legislation and future pressures such as climate change.

This project will refer to the is [R&D Technical Report W6-074/TR "River Augmentation" \(May 2003\)](#) and will update the sustainability appraisal methodology and re-assess the effectiveness of existing river augmentation schemes. From this review, the project aims to develop a framework for future development of schemes that will inform strategic water resources options.

Main objectives of the project

The main objectives of the project are:

- To produce a literature review that will advance the 2003 River Augmentation Report and highlight changes in the development and approach to groundwater support.
- To use climate change projections to consider the plausible changes in frequency and operational rates based on changes in river flows and review the changes in groundwater levels.
- Review the sustainability of current use of river support schemes and maximum uptake of each scheme in achieving environmental and operational objectives.

Background

The drought in 2022 highlighted the operational benefit of supporting flows for public water supply abstraction and mitigating impacts on water stressed environments. However, the increased groundwater abstraction may have resulted in WFD Regulations deterioration with no Regulation 18 defence {as "force majeure" or exceptional drought may not be relevant} or Regulation 19 defence {deterioration of the WFD status}. Therefore, the EA has a potential conflict between meeting operational thresholds against meeting environmental standards.

A technical report on river augmentation (Rippon, Singleton, Boak, & Miller, 2003) highlighted the fact that there is no standard methodology for the design of river support schemes or the assessment of effectiveness. However, an overall methodology is required and the report recommended the development of an overall policy on groundwater support considering environmental and sustainability objectives.

Since the report was published there has been no development of a consistent methodology. Groundwater support has subsequently been used to manage localised impact to offset increased groundwater development but there have been no further catchment-based schemes developed.

The project will not make site specific recommendations; however, it will develop a framework in which current and future operational use can be assessed against current environmental regulation. The project will ensure that Environment Agency river support schemes (such as Shropshire, West Berkshire and Great Ouse schemes) are treated equitably with water company schemes and licence conditions, and any reasons for departure in EA versus other sector approach will be clearly defined.

The risk in not undertaking this review is that we will not have the evidence base to develop a framework in which operational use, environmental resilience and regulatory framework can coalesce. There is also the risk that if we do not have the evidential arguments for WFD

Regulations, then the EA could face infraction or operating in contravention with the Regulations. There is also greater scrutiny and challenge from environmental bodies on lowered baseflow in rivers, such as chalk streams, and we will need a robust framework to understand if river support is a strategic development option.

The approach to environmental and sustainability assessment has changed and is complex for groundwater support. The generalised approach in the 1970s and 1980s (when most catchment schemes were developed) was to focus on river ecology and flow targets assuming groundwater will replenish in the winter. The advances in groundwater modelling and tighter environmental ambition have shown that such an approach can result in the deterioration of groundwater and surface water objectives and status. Climate change and net zero targets that will affect the sustainability of river support abstraction will also need to be accounted for.

Groundwater augmentation can support the management and development of strategic water infrastructure projects and conjunctively support the national framework for water resources. However, we need to develop guidelines and framework principles within the context of WFD Regulations No Deterioration objectives as well as meeting the EA 2025 and eMissions targets.

Environment Agency River Support Schemes

Within this project, the term “river support schemes” will refer to those schemes where groundwater is pumped from an aquifer via a borehole and then discharged into the river. The term “river support scheme” will be used in this project and will capture synonymous terms including “augmentation schemes”, “groundwater support schemes” and similar.

The overall project will be required to consider the following river support schemes

Environment Agency River Support Scheme	Number of Pumps
Great Ouse Groundwater Scheme	14
Stour Augmentation Groundwater Scheme	16
Waveney Augmentation Groundwater Scheme	5
Earl Soham/River Deben support borehole	1
Hiz Groundwater Support Scheme	1
Lodes Granta Groundwater Support Scheme	6
Rhee Groundwater Support Scheme	8
Darent Augmentation Scheme	3
River Slea Augmentation Scheme	1
West Berkshire Groundwater Scheme	32
Shropshire Groundwater Scheme	42

Work Phases and Tasks to complete

Phase 1

Phase 1 is focused on developing the framework in which to review the sustainability and environmental benefit of Environment Agency river support schemes. There will be no requirement to collect and process operational data in Phase 1.

The sustainability appraisal framework and dashboard will be used to assist in defining the EA’s position of river support schemes. Strategically, the outcomes from this project will be used by the EA to develop policy and guidelines around the following:

- The EA's position on the support, maintenance, decommissioning and development of river support schemes.
- Recommendation for the use of river support schemes within wider strategic development options, including RAPID.
- Consistency and fairness of the EA's position when compared to third part activities, such as water company licence support boreholes within water industry national environment programme (WINEP).

Task 1 - Project Commencement and Start Up Meeting

Project commencement to confirm the scope and expectations for each Task delivery.

Task outcomes:

- One half day virtual meeting
- Consultant to provide summary notes and agreed actions within 1 week of the meeting

Task 2 - Literature Review

Update the literature review subsequent to the River Augmentation Report and to highlight changes in development and approach to groundwater support since 2003. The overall literature review will highlight within the UK and international perspective, including but not limited to:

- Lessons learnt, including good and poor practice in the use of river support schemes.
- Appraisal methodologies
- Performance objectives
- Sustainability objectives
- Natural capital net gain
- Carbon footprint (CO₂e)

Task outcomes:

- Two half day virtual meetings at the start of and end of the task;
 - First virtual meeting at commencement to confirm scope and deliverables, and,
 - Second virtual meeting at completion is to present the results of the task and to present the Task 2 draft report. Expect comments from the EA on the draft report both at the virtual meeting and also one week after the meeting date.
- Consultant to provide summary notes and agreed actions within 1 week of each virtual meeting.
- Report on the literature review within three weeks of the second virtual meeting.

Task 3 - Climate Change Projections

The future operation of river support schemes must take into consideration climate change projections. This task will recommend the climate change projection that will show the changes in river flows and groundwater levels and allow analysis of plausible changes in frequency and operational need for river support schemes.

In developing the river flow and groundwater level projections, consideration will be given to:

- [Climate change impact on water: LWEC impact report cards](#)
- [CEH Future Flows Project](#)
- [eFLaG: Enhanced Future Flows and Groundwater](#)

While climate change and population growth will have wider environmental impacts, this task will be limited to changes in river flow based operational thresholds and will not consider aspects such as ambient surface water or groundwater temperature changes, water quality or hydroecology.

Task outcomes:

- Two half day virtual meetings at start of and end of Task 3;
 - First virtual meeting at commencement to confirm scope and deliverables, and,
 - Second virtual meeting at completion is to present the results of the agreed climate change projections and present the Task 3 draft report. Expect comments from the EA on the draft report both at the virtual meeting and also one week after the meeting date.
- Consultant to provide summary notes and agreed actions within 1 week of each virtual meeting.
- Report on the climate change projections within three weeks of the second virtual meeting.

Task 4 - Sustainability Appraisal Framework

This task will develop a framework to assess the sustainability of delivering operational objectives against environmental benefit. The framework will be adaptable across existing river support schemes, expansion or reduction of existing river support schemes or the development of new river support schemes. The framework design must be able to be applied at the scheme level as well as the component borehole level.

While this task will deliver a framework, consideration must be given to the balance between usefulness of the data and the ease in collecting the data. The framework will need to be adaptable to quantity and quality of available data which may vary depending on the river support scheme and the associated boreholes.

While not for this project, the framework will be used to support future asset maintenance, operational use and decommissioning of river support boreholes. Therefore, the framework must be able to show the effectiveness of achieving environmental benefit, meeting future sustainability and the regulatory need.

The appraisal framework will be supported by a dashboard for the scheme and borehole level. The dashboard will provide a summary position across key indicators for communication and presentation to Area Leadership Teams and business managers.

The sustainability appraisal framework will include consideration to the following.

Operational Use

To appraise the sustainability of current use and maximum uptake of each river support scheme in achieving environmental and operational objectives.

This will include:

- The review of operational data and also a maximum uptake scenario to include:
 - Licensed rate for each river support scheme and component boreholes.
 - Operating rules for each river support scheme and component boreholes.
 - Operational pumping rates and frequency of use for each river support scheme and component boreholes.

Operational Impacts

This will include:

- The review of operational data and also a maximum uptake scenario to include:
 - Net gain at commencement of pumping and also the rate of degradation (for example net gain after one month of operation)
 - Groundwater recovery rates.
 - Impact of river support discharge on river water quality, hydroecology (including fish and salmonids), hydromorphology and temperature.
 - Environmental issues during and post river support.

Beneficiaries

This will include:

- Beneficiaries supported by river support scheme and each component borehole.
- Operational and environmental objectives supported by river support scheme and each component borehole.
- Deployable output targets for downstream beneficiaries
- Assessment of natural capital net gain.

Water Framework Directive Regulations

The operation of the river support schemes will result in the alterations to the level of the body of groundwater. This will affect the:-

- Current status of surface water bodies and groundwater bodies.
- Potential for river support operation to result in the deterioration of WFD water bodies.

In the case of WFD Regs deterioration

- With reference to Regulation 18, are there definitions to justify circumstances of natural cause or force majeure which are exceptional or could not reasonably have been foreseen, such as in particular prolonged droughts.
- With reference to Regulation 19 provide evidence to justify any or all of the following:
 - Overriding public interest.
 - Benefits to the environment and to society of achieving the objectives.
 - Benefits to human health, to the maintenance of human safety or to sustainable development. This will provide evidence to compare the benefit of meeting the regulations objectives with the benefit of the river support scheme or borehole.
 - Practicable steps taken to mitigate the adverse impact on the status of the body of water.
 - The beneficial objectives served by the river support scheme that cannot (due to technical feasibility or disproportionate cost) be achieved by other means which are a significantly better environmental option.

Future Risk Identification

To take account of future changes to catchment management which may impact on the river support schemes. The task shall provide:

- Future changes and risks to river flow management. This could include:
 - Climate change.
 - WRMP implementation schemes.
 - Environmental Destination and other planned abstraction licence changes.
 - RAPID options.
- Future changes and risks to groundwater body management. This could include:
 - Climate change
 - Risk from sea level rise including:
 - Saline intrusion into gw from drawdown at vulnerable river support schemes.
 - Increasing gw salinity from raised low and high tides.
 - Groundwater abstraction licence changes.
- Whether the current operating rules suitably meet the future changes, taking into account of future water demand, climate change and the potential for over abstraction.
- An impact on asset condition and maintenance schedule based on any variation in river support frequency, including:
 - operating costs;
 - maintenance costs;
 - energy usage;
 - benefit cost analysis; and,
 - carbon calculations/footprint.

Task outcomes:

- Two half day virtual meetings at the start of and end of the task;
 - First virtual meeting at commencement to confirm scope and deliverables, and,
 - Second virtual meeting at completion is to present the results of the task and to present the Task 4 draft report and dashboard. Expect comments from the Environment Agency on the draft report and the dashboard both at the virtual meeting and also one week from the meeting date.
- Consultant to provide summary notes and agreed actions within 1 week of each virtual meeting.
- Report on the sustainable appraisal methodology and dashboard within three weeks of the second virtual meeting.

Task 5 - Report, Sustainability Framework and Dashboard

Combine the outcomes from Task 2 to Task 4 into a report, sustainability framework and dashboard intended for EA use only.

The sustainability framework and dashboard will be used by the EA as presented in Figure 1. The sustainability framework will provide the granularity needed for operational decision making based on current environmental benefit and long-term sustainability assessment. The dashboard will provide a high-level management overview to facilitate strategic decision making, for example around local outcome planning, workforce planning, expenditure profiling and regulatory constraints.

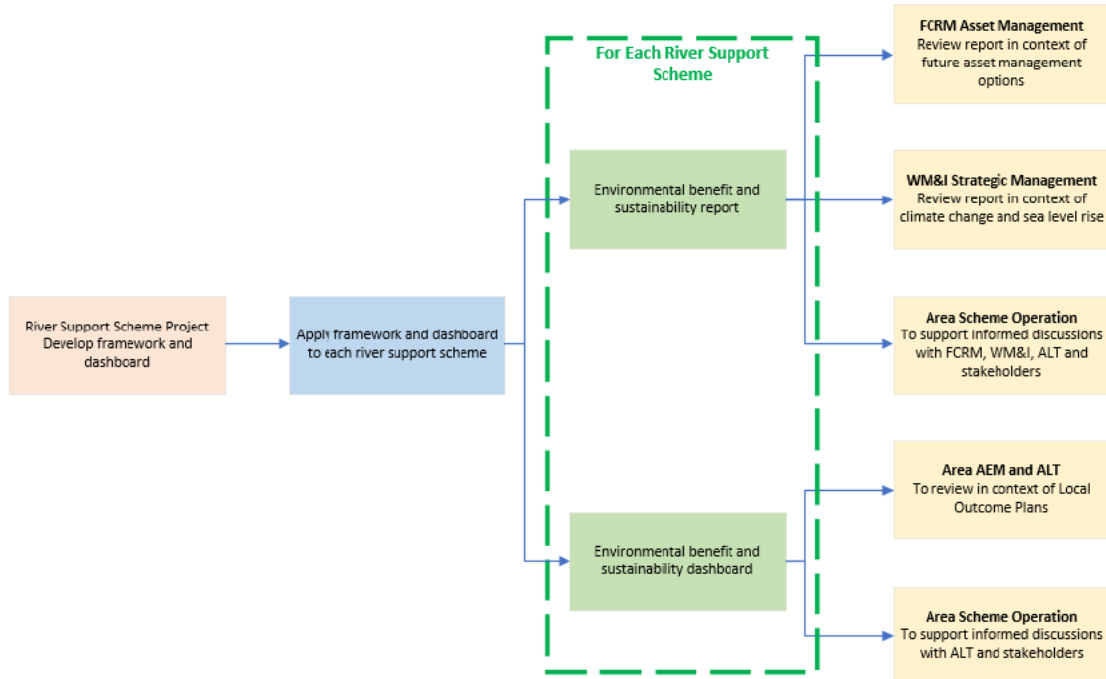


Figure 1- EA use of Report and Dashboard

Task outcomes:

- Two half day virtual meetings at the start of and end of task;
 - First virtual meeting at commencement to confirm scope and deliverables, and,
 - Second virtual meeting at completion is to present the results of the task and to present the Task 4 draft report, sustainability framework and dashboard. Expect comments from the Environment Agency on the draft report and dashboard both at the virtual meeting and also one week from the meeting date.
- Consultant to provide summary notes and agreed actions within 1 week of each virtual meeting.
- Final report within three weeks of the second virtual meeting.

Please Note – that at this point there will be a break in the contract and no further work will be undertaken by the contractor unless they are issued with a contract extension or change control note.

This break point is to ensure satisfactory completion of Phase1 and budget approval to continue with Phase 2 of the contract.

Phase 2

Task 1 - Case Study of the Sustainability Appraisal Framework

To undertake a case study of three river support schemes and to make necessary adjustments to the sustainability framework and dashboard presented in Phase 1 (Task 4).

The three river support schemes which shall be used in the case study are:

- Earl Soham/River Deben support borehole.
- Rhee Groundwater Support Scheme.

- West Berkshire Groundwater Scheme.

The task report will include a review on:

- Feasibility of using the framework to assess the environment benefit and sustainability of river support schemes.
- Feasibility in using the framework for third part assets, such as river support as part of licenced abstraction mitigation.
- Whether the approach provides a Regulation 19 defence where deterioration, or more deterioration may occur.
- The balance between usefulness of the data and the ease in collecting the data.
- How adaptable is the approach to the quantity and quality of available data across the river support schemes and the associated boreholes.

In addition to the above report, there will be a separate report and dashboard for each of the three river support schemes.

Task outcomes:

- Two half day virtual meetings at the start of and end of task;
 - First virtual meeting at commencement to confirm scope and deliverables, and,
 - Second virtual meeting at completion is to present the results of the task, case study draft report and dashboard. Expect comments from the EA on the draft report and dashboard both at the virtual meeting and also one week after the meeting date.
- Consultant to provide summary notes and agreed actions within 1 week of each virtual meeting.
- Reports on the sustainable framework case studies within three weeks of the second virtual meeting.

Task 2 – Report, Sustainability Framework and Dashboard

Update Phase 1 (Task 4) report, sustainability framework and dashboard to reflect any learning, updates and modifications following the three case study catchments.

Task outcomes:

- Two half day virtual meetings at the start of and end of task;
 - First virtual meeting at commencement to confirm scope and deliverables, and,
 - Second virtual meeting at completion is to present the results of the task and to present the Task 2 draft report, sustainability framework and dashboard. Expect comments from the EA on the draft report and dashboard both at the virtual meeting and also one week after the meeting date.
- Consultant to provide summary notes and agreed actions within 1 week of each virtual meeting.
- Final report within three weeks of the second virtual meeting.

Task 3 – External Report

A report is to be made for stakeholders summarising the Phase 1 (Task 4) report, with any updates from Phase 2 modification to the framework and dashboard, as well as a high level summary of the three case studies.

The final external report and dashboard will be accessible for internal and external stakeholders and **must not contain commercially sensitive information.**

Task outcomes:

- Two half day virtual meetings at the start of and end of task;
 - First virtual meeting at commencement to confirm scope and deliverables, and,
 - Second virtual meeting at completion is to present the results of the task and to present the Task 3 draft external report. Expect comments from the Environment Agency on the draft report and dashboard both at the virtual meeting and also one week from the meeting date.
- Consultant to provide summary notes and agreed actions within 1 week of each virtual meeting.
- Final report within three weeks of the second virtual meeting.

Please Note – that at this point there will be a break in the contract and no further work will be undertaken by the contractor unless they are issued with a contract extension or change control note.

This break point is to ensure satisfactory completion of Phase2 and budget approval to continue with Phase 3 of the contract.

Phase 3

The Environment Agency Project Manager reserves the right to schedule progress based around the following project lots:

Lot Number	Environment Agency River Support Scheme
Lot 1	Shropshire Groundwater Scheme
Lot 2	Darent Augmentation Scheme
	Great Ouse Groundwater Scheme
	Hiz Groundwater Support Scheme
	River Sleat Augmentation Scheme
Lot 3	Lodes Granta Groundwater Support Scheme
	Stour Augmentation Groundwater Scheme
	Waveney Augmentation Groundwater Scheme

The allocation of river support schemes and the number of lots may change due to extenuating reasons, such as re-prioritisation of river support schemes, EA staff work commitments, funding, or availability of data.

The Environment Agency Project Manager reserves the right to re-programme the lots over several years. However, each lot must be completed within that financial year.

The following task will be repeated for each of the eight river support schemes.

Task 1 – Report and Dashboard

To collate data and apply the sustainability appraisal methodology to the river support scheme and to provide a report and dashboard.

Task outcomes:

- Two half day virtual meetings at the start of and end of task;
 - First virtual meeting at commencement to confirm scope and deliverables, and,

<ul style="list-style-type: none"> ▪ Second virtual meeting at completion is to present the results of the task, draft report and dashboard. Expect comments from the Environment Agency on the draft report and dashboard both at the virtual meeting and also one week from the meeting date. • Consultant to provide summary notes and agreed actions within 1 week of each virtual meeting. • Reports on the sustainable framework case studies within three weeks of the second virtual meeting. 																										
2. Required skills / experience from the contractor and staff. Include any essential qualifications or accreditations required to undertake the work.																										
Essential skills <ul style="list-style-type: none"> • It is essential that the project team has experience with the operation and impact of water supply assets. • It is desirable that the project team has knowledge of EA river support schemes. 																										
3. Proposed program of work (Detailing specific tasks, key milestones, deliverables & completion date where appropriate)																										
<table border="1"> <thead> <tr> <th>Phase, Tasks and deliverables</th> <th>Completion date</th> </tr> </thead> <tbody> <tr> <td colspan="2">Phase 1 – Developing the Framework – to be delivered between 01/10/23 – 31/03/2024</td> </tr> <tr> <td>Task 1 - Project Commencement and start up meeting</td> <td>01/10/2023</td> </tr> <tr> <td>Task 2 - Literature Review</td> <td>01/12/2023</td> </tr> <tr> <td>Task 3 - Climate Change Projections</td> <td>01/12/2023</td> </tr> <tr> <td>Task 4 - Sustainability Appraisal Framework</td> <td>01/02/2024</td> </tr> <tr> <td>Task 5 - Report, Sustainability Framework and Dashboard</td> <td>31/03/2024</td> </tr> <tr> <td colspan="2">Phase 2</td> </tr> <tr> <td>Task 1 - Case Study of the Sustainability Appraisal Framework</td> <td>TBC</td> </tr> <tr> <td>Task 2 - Report, Sustainability, Framework and Dashboard</td> <td>TBC</td> </tr> <tr> <td>Task 3 - External Report</td> <td>TBC</td> </tr> <tr> <td colspan="2">Phase 3</td> </tr> <tr> <td>Task 1 - Report and Dashboard</td> <td>TBC</td> </tr> </tbody> </table>	Phase, Tasks and deliverables	Completion date	Phase 1 – Developing the Framework – to be delivered between 01/10/23 – 31/03/2024		Task 1 - Project Commencement and start up meeting	01/10/2023	Task 2 - Literature Review	01/12/2023	Task 3 - Climate Change Projections	01/12/2023	Task 4 - Sustainability Appraisal Framework	01/02/2024	Task 5 - Report, Sustainability Framework and Dashboard	31/03/2024	Phase 2		Task 1 - Case Study of the Sustainability Appraisal Framework	TBC	Task 2 - Report, Sustainability, Framework and Dashboard	TBC	Task 3 - External Report	TBC	Phase 3		Task 1 - Report and Dashboard	TBC
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<p>Please Note – the Authority envisages that Tasks 1-5 in Phase 1 will be delivered between 01/10/2023 – 31/03/2024.</p> <p>Pending further budgetary approvals, the Authority envisages that Phase 2 and Phase 3 (Lot 1 will be delivered between 01/04/2024 – 31/03/2025) and that Phase 3 (Lot 2 will be delivered between 01/04/2025 – 31/04/2026) and that Phase 3 Lot 3 (will be delivered between 01/04/2026 – 31/03/2027). These dates could be subject to change.</p> <p>Costs – Please provide separate costs for each of the sub-tasks listed under Phases 1, 2 and 3 and an overall total cost. Please do not include these costs here, please detail them within the table included in the commercial envelope on the Atamis e-sourcing portal.</p>																										
4. Risk																										
<p>Note: <i>This section is to be used to detail any risks or key elements relevant to the project i.e. Programme deliverable dates, workshops or external requirements, data, consultees, stakeholders etc that could impact the success of the project if they are not managed.</i></p>																										
<p>No additional risks noted in achieving this project.</p>																										

