Background to Natural England

Natural England is the government’s adviser for the natural environment in England. We help to protect and restore our natural world.

Our purpose is to help conserve, enhance and manage the natural environment for the benefit of present and future generations, thereby contributing to sustainable development.

Greener Farming and Fisheries Portfolio. Shared Nitrogen Action Plans & Air Quality Partnership Project - Schools Project (Norfolk & Suffolk).

Background to the specific work area relevant to this purchase

By 2025 all schools will be expected to have in place a [Climate Action Plan](https://www.gov.uk/guidance/sustainability-leadership-and-climate-action-plans-in-education) against which they will be able to track their journey towards NetZero, setting out the adaptations their school needs to cope with a changing climate, including challenges such as flooding, overheating of building and poor air quality.

Outdoor air quality monitors will be supplied to the schools in the partnership project. The data will be collected by the schools through a computer/app database, to show peaks and trends in more localised community areas, including those schools situated close by to a Site of Special Scientific Interest (SSSI) and within urban settings. This evidence and data will feed into County Council local plans, and ambitions to drive action, through creation of active travel plans in communities. How people use transport, walking and cycling routes available within their local communities is key to reducing emissions and the impact on protected sites such as SSSIs. This approach includes long term behavioural change implementation for the reduction of emissions and subsequent impacts on protected sites. It does not implement a ‘quick fix’ and immediate reduction of emissions but is important for the delivery of long-term ambitions for Net Zero, the Clean Air Strategy, the Environment Act (human health and particulate matter policies) and other related policy.

Requirement

Outdoor Air Quality Monitors - 60 single units. Weatherproof, with long-life battery and/or solar power unit included in per unit cost.

Capable of providing data including temperature, relative humidity, particulate matter, CO2, ozone, CH2O, CO, NO2, H2S, SO2 , O2 , volatile organic compounds and barometric pressure.

MCERTS Certified, EN 15267 compliant particulate matter sensor.

LoRaWAN long-range wireless data transmission.

Simple set up and data analysis, without the need for a subscription.

Delivery to Natural England office in Norfolk.

Sustainability

Natural England protects and improves the environment and is committed to reducing the sustainability impacts of its activities directly and through its supply chains. We expect the Contractor to share this commitment and adopt a sound, proactive sustainable approach in keeping with the 25yr environmental plan/our commitments compliant with all applicable legislation. This includes understanding and reducing direct and indirect sustainability impacts and realising opportunities, including but not restricted to; resilience to climate change, reducing greenhouse gas emissions, water use and quality, biosecurity, resource efficiency and waste, reducing the risk of pollution, biodiversity, modern slavery and equality, diversity & inclusion, negative community impacts.

As a delivery partner, the successful contractor is expected to pursue sustainability in their operations, thereby ensuring the Contracting Authority is not contracting with a supplier whose operational outputs run contrary to the Contracting Authority’s objectives. The successful contractor will need to approach the project with a focus on the entire life cycle of the project

Outputs and Contract Management

|  |  |  |  |
| --- | --- | --- | --- |
| Reference | Deliverable | Responsible Party | Date of completion |
| 1 | 60 x single units Outdoor Air Quality Monitors as per requirements  |  | 29 November 2024 |
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|  |  |  |  |

Contract to be completed by 29 November 2024