

# Sheringham Shoal and Dudgeon Offshore Wind Farm Extension Projects

Explanatory Note to Updated Offshore Works Plans

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## Explanatory Note to Updated Offshore Works Plans

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#### 1 Introduction

- 1. The Applicant, pursuant to Regulation 5(2)(j) of The Infrastructure Planning (Applications: Prescribed Forms and Procedure) Regulations 2009 (the APFP Regulations), has submitted **Offshore Works Plans** (document reference 2.7) [APP-012] detailing the specific Work Nos. that may be undertaken in defined areas within the Order limits, as part of the authorised development.
- 2. In recognition of the fact that each extension project is owned by separate companies, and in order to provide sufficient flexibility to the way in which the two extension projects can be constructed, the Applicant has provided for the authorised development to be delivered under a number of different development scenarios (numbered 1 to 4). A detailed explanation of how the various scenarios are secured and managed within the draft Development Consent Order (DCO) is provided in the Explanatory Memorandum (Revision B) (document reference 3.2) [AS-012].
- 3. Different versions of the Offshore Works Plans were submitted with the application depicting scenarios 1, 2, 3 and 4 to provide clarity on the Work Nos. associated with each scenario.
- 4. In the Examining Authority's (ExA) Rule 6 Letter dated 13 December 2022 (republished on 21 December 2022) (the Rule 6 Letter), the ExA has requested, in pursuit of making the application documents more accessible and readable for Interested Parties, "Clearer offshore works plans (without so much hatching), differentiated by each proposed scenario".

#### 2 Offshore Works Plans

- 5. The Applicant recognises that due to the flexibility being sought, to both enable delivery of the integrated transmission system whilst also maintaining development scenarios and design options which would be required should that not be possible, the works plans are inherently complex. Within each scenario, there are a number of offshore works which overlap and therefore the level of hatching shown on the plans is necessary. For example, within the SEP array area in all but the in-isolation scenarios (being scenarios 1(a) and 1(b)), it is necessary to show the turbines, infield cables, the offshore substation platform, export cables and the export/interlink cables coming from the DEP array areas.
- 6. The Applicant submitted the **Scenarios Statement** (document reference 9.28) [APP-314] to explain the need for including a range of project development scenarios within the DCO application for SEP and DEP. As detailed within the Scenarios Statement, the **Draft DCO** (document reference 3.1) [AS-009] makes provision for the following development scenarios:

**Scenario 1:** each project is constructed separately in any one of the following ways:

- (a) the construction of SEP only, where DEP does not proceed to construction;
- **(b)** the construction of DEP only, where SEP does not proceed to construction:
- (c) sequential construction of SEP then DEP or vice versa; or
- (d) concurrent construction of the two projects.



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**Scenario 2:** the two projects are constructed sequentially, and whichever project is constructed first will install the ducts for the second project;

**Scenario 3:** either SEL or DEL constructs on behalf of both itself and the other project an integrated onshore substation and connection to National Grid's Norwich Main Substation and all other onshore and offshore works are constructed either concurrently or sequentially; and,

**Scenario 4:** either SEL or DEL constructs on behalf of both itself and the other project both the onshore and offshore integrated works including the integrated offshore substation, the integrated onshore substation and the onshore and offshore cables, and all other onshore and offshore works are constructed either concurrently or sequentially.

- 7. The Applicant would like to highlight that there is no difference in presentation on the Offshore Works Plans between scenarios 1(c), 1(d), 2 and 3, as the scenarios are only differentiated, in an offshore context, by nature of being built concurrently (at the same time) or sequentially (one followed by the other). Scenario 4 was submitted as a separate version within the **Works Plans (Offshore)** (document reference 2.7) [APP-012] which accompanied the DCO application noting that its presentation is distinct from scenarios 1 to 3 due to the integrated offshore works.
- 8. In order to provide further clarity in response to the ExA's request in the Rule 6 letter, the Applicant has produced additional separate versions of the Offshore Works Plans to include scenarios 1(a) (SEP in isolation) and 1(b) (DEP in isolation) and submits these as part of the Works Plans (Offshore) (Revision B) (document reference 2.7).
- 9. While reviewing the Offshore Works Plans, the Applicant has become aware of some inconsistencies and omissions on the plans and has therefore taken the opportunity to correct these as part of the revision B submission. The changes made are outlined as follows:
  - Work No. 4B and 4C (export and interlink cables) have been included in the DEP North and DEP South array areas, where previously they were limited to the cable corridors only.
  - The presentation of Work No. 6C (temporary working area) on the scenario 4
    plans has been changed to be consistent with that used on the "all scenarios"
    plans.

#### 3 Environmental Statement Project Description Figures

- 10. The Applicant is mindful that alongside the development scenarios there are also different design options that have been assessed within the Environmental Impact Assessment (EIA) as part of the 'Rochdale Envelope' approach. This approach ensures that the appropriate realistic worst-case associated with the different development scenarios and design options is assessed for each topic, as explained within ES Chapter 5 EIA Methodology (document reference 6.1.5) [APP-091].
- 11. As detailed in the **ES Chapter 4 Project Description** (document reference 6.1.4) [APP-090], a key design decision for DEP is whether to use all of the DEP North and DEP South array areas, or whether to use the DEP North array area only.



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12. A series of figures (Figures 4.5 to 4.8 within **ES Chapter 4 Figures – Project Description** (document reference 6.2.4) [APP-117]) was submitted alongside the project description to illustrate the main potential design options which inform the worst-case. In reviewing the Offshore Works Plans the Applicant noted that the titles of these figures could be updated to provide further clarity on what they are seeking to depict. The Applicant has therefore updated the titles of these figures to better describe how they relate to the development scenarios and design options; the updated figures are provided at **Appendix A** to this explanatory note.

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#### 4 Conclusion

13. The Applicant acknowledges that the required development scenarios, in addition to the design options, leads to Offshore Works Plans that are necessarily complex and as such has sought to present the plans in as clear a manner as possible. In response to the ExA's request in the Rule 6 Letter for clearer Offshore Works Plans, the Applicant submits additional versions of the plans illustrating the in-isolation 1(a) and 1(b) scenarios. Furthermore, the Applicant has amended the titles of Figures 4.5 to 4.8 of the Project Description chapter to provide greater clarity on the distinction between the development scenarios and the design options.

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**Appendix A** – Updated Figures 4.5 to 4.8 from **ES Chapter 4 Figures – Project Description** [APP-117]

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