

## Norfolk Boreas Development Consent Order

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### National Grid's response to ExA's 5th Written Questions of the 11<sup>th</sup> August 2020

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**ExA's Fifth Written Questions – Issued 11<sup>th</sup> August 2020**

**Response on behalf of National Grid:**

Question No.	Question	National Grid Response
<p>Q5.5.8.1 to The Applicant, National Grid; Cadent Gas; Network Rail; Anglian Water; The Environment Agency; Orsted.</p>	<p><b>Changes to Protective Provisions consistent with Vanguard made DCO:</b>                      The ExA notes the update provided by the Applicant at ISH5. Can it now confirm that any drafting changes made to Protective Provisions in response to the making of the Norfolk Vanguard Development Consent Order are now agreed by all parties [REP13-008 and REP13-012; REP13-016]. Other parties may wish to comment.</p>	<p>National Grid do not object to the minor amendments to the Protective Provisions made in relation to the Norfolk Vanguard Development Consent order being carried over into the Norfolk Boreas Development Consent Order. We understand those amendments are the ones appended to this document as Appendix 1. However National Grid have agreed some additional wording in the context of Norfolk Boreas Protective Provisions, <b>not included</b> in the Norfolk Vanguard Protective Provisions, which they would like to be retained in the Norfolk Boreas Protective Provisions, in particular the additional wording in paragraph 12(2) and (3) of the Protective Provisions for the benefit of National Grid as submitted within the Promoters dDCO at deadline 10, being 6 May 2020. The wording of paragraph 12(2) and (3) of the Protective Provisions is reproduced for ease of reference at Appendix 2 to this response. This wording protects National Grid from the risks of the transfer of benefit to an entity with insufficient covenant strength to back off the indemnity given in paragraph 22 of the Protective Provisions for National Grid's benefit on the face of the Order, without the need to seek amendments to the Transfer of</p>

		<p>Benefit Article in the DCO. Both National Grid and the Promoter are content with the wording in paragraph 12(2) and (3) of the Norfolk Boreas Protective Provisions as a proportionate way to address this concern and accordingly, National Grid would respectfully request that, whilst this differs from Norfolk Vanguard (where amendments to the transfer of benefit provisions were agreed for the protection of National Grid), that this wording is included in the National Grid Protective Provisions on the face of the Order.</p>
<p>Q5.9.5.2</p>	<p>The Applicant; National Grid</p> <p>Finishes for National Grid substation extension</p> <p>a) Further to requests and comments at OFH3, can the electrical equipment required for the National Grid substation extension be coated or manufactured with a matt finish?</p> <p>b) If so, the Applicant is requested to include relevant wording to secure this either in the DAS or in the OLEMS.</p>	<p>National Grid understands that the “electrical equipment” referred to specifically relate to busbars. Typically any electrical equipment installed at National Grid substations is either painted by the equipment manufacturer or left bare. In the case of the busbars National Grid do not paint or coat them as it will negatively affect the thermal carrying capability of the assets. Overtime the busbars will dull as they oxidise. If the Examining Authority is referring to any other electrical equipment National Grid requests that they are informed about such equipment and consulted on any painting or finish.</p>

**Appendix 1 – Drafting Changes made by Norfolk Vanguard DCO to the National Grid Protective Provisions**

(5) An amount which apart from this sub-paragraph would be payable to an affected undertaker in respect of works by virtue of sub-paragraph (1) shall, if the works include the placing of apparatus provided in substitution for apparatus placed more than 7 years and 6 months earlier so as to confer on the affected undertaker any financial benefit by deferment of the time for renewal of the apparatus in the ordinary course, be reduced by the amount which represents that benefit.

9.—(1) Subject to sub-paragraphs (2) and (3), if by reason or in consequence of the construction of any such works referred to in paragraph 5(2), any damage is caused to any apparatus (other than apparatus the repair of which is not reasonably necessary in view of its intended removal for the purposes of those works) or property of an affected undertaker, or there is any interruption in any service provided, or in the supply of any goods, by any affected undertaker, the undertaker must—

- (a) bear and pay the cost reasonably incurred by that affected undertaker in making good such damage or restoring the supply; and
- (b) make reasonable compensation to that affected undertaker for any other expenses, loss, damages, penalty or costs incurred by the affected undertaker,

by reason or in consequence of any such damage or interruption.

(2) Nothing in sub-paragraph (1) imposes any liability on the undertaker with respect to any damage or interruption to the extent that it is attributable to the act, neglect or default of an affected undertaker, its officers, servants, contractors or agents.

(3) An affected undertaker must give the undertaker reasonable notice of any such claim or demand and no settlement or compromise shall be made without the consent of the undertaker which, if it withholds such consent, shall have the sole conduct of any settlement or compromise or of any proceedings necessary to resist the claim or demand.

10. Any difference or dispute arising between the undertaker and the affected undertaker under this Schedule must, unless otherwise agreed in writing between the undertaker and the affected undertaker, be determined by arbitration in accordance with article ~~39~~38 (arbitration).

11. Nothing in this ~~part of this Schedule~~Part shall affect the provisions of any enactment or agreement regulating the relations between the undertaker and an affected undertaker in respect of any apparatus laid or erected in land belonging to the undertaker on the date on which this Order is made.

~~12.~~

## PART 2

### For the Protection of National Grid as Electricity and Gas Undertaker

#### Application

~~12.~~ 13. For the protection of National Grid referred to in this Part ~~of this Schedule~~ the following provisions will, unless otherwise agreed in writing between the promoter and National Grid, have effect.

#### Interpretation

13. ~~14.~~ In this ~~Part of this Schedule~~Part—

“1991 Act” means the New Roads and Street Works Act 1991;

“alternative apparatus” means appropriate alternative apparatus to the satisfaction of National Grid to enable ~~the~~ National Grid to fulfil its statutory functions in a manner no less efficient than previously;

“apparatus” means—

- (a) in the case of an electricity undertaker, electric lines or electrical plant as defined in the Electricity Act 1989, belonging to or maintained by that undertaker;
- (b) in the case of a gas undertaker, any mains, pipes or other apparatus belonging to

or maintained by a gas transporter for the purposes of gas supply;

~~(c)~~ ~~(e)~~ together with any replacement apparatus and such other apparatus constructed pursuant to the Order that becomes operational apparatus of National Grid for the purposes of transmission, distribution and/or supply and includes any structure in which apparatus is or will be lodged or which gives or will give access to apparatus;

~~(4)~~ “authorised works” has the same meaning as is given to the term “authorised development” in article 2 of this Order and includes any associated development authorised by the Order and for the purposes of this Part ~~of this Schedule~~ includes the use and maintenance of the authorised works and construction of any works authorised by this Schedule;

“commence” has the same meaning as in article 2 of this Order and commencement must be construed to have the same meaning save that for the purpose of this part only the term commence includes operations consisting site clearance, demolition work, archaeological investigations, environmental surveys, investigations for the purposes of assessing ground conditions, remedial work in respect of any contamination or other adverse ground conditions, diversion and laying of services, erection of any temporary means of enclosure and temporary hard standing;

“deed of consent” means a deed of consent, crossing agreement, deed of variation or new deed of grant agreed between the parties acting reasonably in order to vary and/or replace existing easements, agreements, enactments and other such interests so as to secure land rights and interests as are necessary to carry out, maintain, operate and use the apparatus in a manner consistent with the terms of this ~~Part of this Schedule~~ part;

“functions” includes powers and duties;

“ground mitigation scheme” means a scheme approved by National Grid (such approval not to be unreasonably withheld or delayed) setting out the necessary measures (if any) for a ground subsidence event;

“ground monitoring scheme” means a scheme for monitoring ground subsidence which sets out the apparatus which is to be subject to such monitoring, the extent of land to be monitored, the manner in which ground levels are to be monitored, the timescales of any monitoring activities and the extent of ground subsidence which, if exceeded, must require the promoter to submit for National Grid’s approval a ground mitigation scheme;

“ground subsidence event” means any ground subsidence identified by the monitoring activities set out in the ground monitoring scheme that has exceeded the level described in the ground monitoring scheme as requiring a ground mitigation scheme;

“in” in a context referring to apparatus or alternative apparatus in land includes a reference to apparatus or alternative apparatus under, over, across, along or upon such land;

“maintain” and “maintenance” include the ability and right to do any of the following in relation to any apparatus or alternative apparatus of National Grid including construct use, repair, alter, inspect, renew or remove the apparatus;

“National Grid” means, as appropriate—

(a) National Grid Electricity Transmission PLC (Company No. 2366977) whose registered office is at 1-3 Strand, London, WC2N 5EH and any successor to their licence under Part 1 of the Electricity Act 1989; and

(b) National Grid Gas PLC (Company No. 200600) whose registered office is at 1-3 Strand, London, WC2N 5EH and any successor to their licence under Part 1 of the Gas Act 1986 or their successor company(ies).

“plan” or “plans” include all designs, drawings, specifications, method statements, soil reports, programmes, calculations, risk assessments and other documents that are reasonably necessary properly and sufficiently to describe and assess the works to be executed;

“promoter” means the undertaker as defined in article 2 of this Order;

“specified works” means any of the authorised works or activities undertaken in association with the authorised works which:

- (a) will or may be situated over, or within 15 metres measured in any direction of any apparatus the removal of which has not been required by the promoter under paragraph 17(2) or otherwise;
- (b) may in any way adversely affect any apparatus the removal of which has not been required by the promoter under paragraph 17(2) or otherwise; or
- (c) include any of the activities that are referred to in paragraph 8 of T/SP/SSW/22 (National Grid's policies for safe working in proximity to gas apparatus "Specification for safe working in the vicinity of National Grid, High pressure Gas pipelines and associated installation requirements for third parties").

14.—(1) Except for paragraphs 15 (apparatus in stopped up streets), 20 (retained apparatus: protection), 21 (expenses) and 22 (compensation) of this Schedule which will apply in respect of the exercise of all or any powers under the Order affecting the rights and apparatus of National Grid, the other provisions of this Schedule do not apply to apparatus in respect of which the relations between the promoter and National Grid are regulated by the provisions of Part 3 (street works in England and Wales) of the 1991 Act.

(2) Notwithstanding Art 25(5) or any other powers in the Order generally, s85 of the 1991 Act in relation to costs sharing and the powers in respect of cost sharing generally including the regulations made thereunder does not apply in relation to any diversion of apparatus of National Grid under the 1991 Act.

#### **Apparatus of Undertakers in stopped up streets**

15. Notwithstanding the temporary stopping up or diversion of any highway under the powers of article 10 (temporary stopping up of streets), National Grid will be at liberty at all times to take all necessary access across any such stopped up highway ~~and~~/or to execute and do all such works and things in, upon or under any such highway as may be reasonably necessary or desirable to enable it to maintain any apparatus which at the time of the stopping up or diversion was in that highway.

#### **Acquisition of land**

16.—(1) Regardless of any provision in this Order or anything shown on the land plans or contained in the book of reference to the Order, the promoter may not acquire any land interest or apparatus or override any easement and/or other interest of National Grid otherwise than by agreement.

(2) As a condition of agreement between the parties in paragraph 16(1), prior to the carrying out of any part of the authorised works (or in such other timeframe as may be agreed between the undertaker and the promoter) that are subject to the requirements of this Part ~~of this Schedule~~ that will cause any conflict with or breach the terms of any easement and/or other legal or land interest of the undertaker and/or affects the provisions of any enactment or agreement regulating the relations between the undertaker and the promoter in respect of any apparatus laid or erected in land belonging to or secured by the promoter, the promoter must as the undertaker reasonably and necessarily requires enter into such deeds of consent upon such terms and conditions as may be agreed between the undertaker and the promoter acting reasonably and which must be no less favourable on the whole to the undertaker unless otherwise agreed by the undertaker, and it will be the responsibility of the promoter to procure and/or secure the consent and entering into of such deeds and variations by all other third parties with an interest in the land at that time who are affected by such authorised works.

~~(3)~~ ~~(4)~~ The promoter and the undertaker agree that where there is any inconsistency or duplication between the provisions set out in this Part ~~of this Schedule~~ relating to the relocation and/or removal of apparatus/including but not limited to the payment of costs and expenses relating to such relocation and/or removal of apparatus) and the provisions of any existing easement, rights, agreements and licences granted, used, enjoyed or exercised by the undertaker and/or other enactments relied upon by the undertaker as of right or other use in relation to the apparatus, then the provisions in this Schedule prevail.



(4) Any agreement or consent granted by the undertaker under paragraph 19 or 20 or any other paragraph of this Part ~~of this Schedule~~, must not be taken to constitute agreement under ~~sub-sub-paragraph~~ 16(1).

### **Removal of apparatus**

17.—(1) If, in the exercise of the agreement reached in accordance with paragraph 16 or in any other authorised manner, the promoter acquires any interest in any land in which any apparatus is placed, that apparatus must not be removed under this Part ~~of this Schedule~~ and any right of an undertaker to maintain that apparatus in that land must not be extinguished until alternative apparatus has been constructed, and is in operation to the reasonable satisfaction of National Grid in question in accordance with sub-paragraph (2) to (5) inclusive.

(2) If, for the purpose of executing any works in, on, under or over any land purchased, held, appropriated or used under this Order, the promoter requires the removal of any apparatus placed in that land, it must give to National Grid 56 days' advance written notice of that requirement, together with a plan of the work proposed, and of the proposed position of the alternative apparatus to be provided or constructed and in that case (or if in consequence of the exercise of any of the powers conferred by this Order National Grid reasonably needs to remove any of its apparatus) the promoter must, subject to sub-paragraph (3), afford to National Grid to its reasonable satisfaction (taking into account paragraph 18(1) below) the necessary facilities and rights:

- (a) for the construction of alternative apparatus in other land of or land secured by the promoter; and
- (b) subsequently for the maintenance of that apparatus.

(3) If alternative apparatus or any part of such apparatus is to be constructed elsewhere than in other land of or land secured by the promoter, or the promoter is unable to afford such facilities and rights as are mentioned in sub-paragraph (2) in the land in which the alternative apparatus or part of such apparatus is to be constructed, National Grid must, on receipt of a written notice to that effect from the promoter, as soon as possible take such steps as are reasonable in the circumstances in an endeavour to obtain the necessary facilities and rights in the land in which the alternative apparatus is to be constructed, with the promoter's assistance if required by National Grid, save that this obligation does not extend to the requirement for National Grid to use its compulsory purchase powers to this end unless it elects to so do.

(4) Any alternative apparatus to be constructed in land of or land secured by the promoter under this Part ~~of this Schedule~~ must be constructed in such manner and in such line or situation as may be agreed between National Grid and the promoter.

(5) National Grid must, after the alternative apparatus to be provided or constructed has been agreed, and subject to the grant to National Grid of any such facilities and rights as are referred to in sub-paragraph (2) or (3), proceed without unnecessary delay to construct and bring into operation the alternative apparatus and subsequently to remove any apparatus required by the promoter to be removed under the provisions of this Part ~~of this Schedule~~.

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### **Facilities and rights for alternative apparatus**

18.—(1) Where, in accordance with the provisions of this Part ~~of this Schedule~~, the promoter affords to or secures for National Grid facilities and rights in land for the construction, use, maintenance and protection of alternative apparatus in substitution for apparatus to be removed, those facilities and rights must be granted upon such terms and conditions as may be agreed between the promoter and National Grid and must be no less favourable on the whole to National Grid than the facilities and rights enjoyed by it in respect of the apparatus to be removed unless otherwise agreed by National Grid, acting reasonably

(2) If the facilities and rights to be afforded by the promoter and agreed with National Grid under paragraph 18(1) above in respect of any alternative apparatus, and the terms and conditions subject to which those facilities and rights are to be granted, are less favourable on the whole to National Grid than the facilities and rights enjoyed by it in respect of the apparatus to be removed and the terms and conditions to which those facilities and rights are subject in the matter may be

referred to arbitration in accordance with paragraph 26 (Arbitration) of this Part ~~of this Schedule~~ and the arbitrator may make such provision for the payment of compensation by the promoter to National Grid as appears to the arbitrator to be reasonable having regard to all the circumstances of the particular case

### **Retained apparatus: protection Gas Undertakers**

19.—(1) The promoter must provide technical information relevant to any specified works to National Grid as soon as reasonably practicable after it becomes available, and will seek to liaise with National Grid as early as reasonably practicable regarding the specified works.

(2) Not less than 56 days before the commencement of any specified works the promoter must submit to National Grid a plan and, if reasonably required by National Grid, a ground monitoring scheme in respect of those works.

(3) The plan to be submitted to National Grid under sub-paragraph (2) must include a method statement and describe—

- (a) the exact position of the works;
- (b) the level at which these are proposed to be constructed or renewed;
- (c) the manner of their construction or renewal including details of excavation, positioning of plant etc;
- (d) the position of all apparatus;
- (e) by way of detailed drawings, every alteration proposed to be made to or close to any such apparatus; and
- (f) any intended maintenance regimes.

(4) The promoter must not commence any works to which sub-paragraphs 2 and 3 apply until National Grid has given written approval of the plan so submitted.

(5) Any approval of National Grid required under sub-paragraph (3)—

- (a) may be given subject to reasonable conditions for any purpose mentioned in ~~sub-paragraphs (6) or (8); and~~ sub-paragraphs (6) or (8); and
- ~~(b) must not be unreasonably withheld.~~ (b) must not be unreasonably withheld.

(6) In relation to any work to which sub-paragraphs (2) and/or (3) apply, National Grid may require such modifications to be made to the plans as may be reasonably necessary for the purpose of securing its apparatus against interference or risk of damage or for the purpose of providing or securing proper and convenient means of access to any apparatus provided that such modifications are requested by National Grid within a period of 56 days, unless otherwise agreed between the parties, beginning with the date on which the plan under sub-paragraph (2) is submitted to it. For the avoidance of doubt, provided that any further iterations of the plan submitted to National Grid for approval as a result of modifications required under this paragraph are not materially different to the modifications previously made by National Grid, any further required modifications will be made by the promoter as soon as reasonably practicable thereafter and in any event within 56 days of receipt of any further plans.

~~(7) (8)~~ Works to which this paragraph applies must only be executed in accordance with the plan, submitted under sub-paragraph (2) or as relevant sub paragraph (6), as approved or as amended from time to time by agreement between the promoter and National Grid and in accordance with such reasonable requirements as may be made in accordance with sub-paragraphs (6) or (8) by National Grid for the alteration or otherwise for the protection of the apparatus, or for securing access to it, and National Grid will be entitled to watch and inspect the execution of those works

~~(8) (9)~~ Where National Grid requires any protective works to be carried out by itself or by the promoter (whether of a temporary or permanent nature) such protective works, inclusive of any measures or schemes required and approved as part of the plan approved pursuant to this paragraph, must be carried out to National Grids' reasonable satisfaction prior to the commencement of any authorised works (or any relevant part thereof) for which protective works ~~are required and National Grid must give 56 days' notice of such works from the date of submission of a plan pursuant to sub-paragraph (2) or (3) (except in an emergency).~~

are required and National Grid must give 56 days' notice of such works from the date of submission of a plan pursuant to sub-paragraph (2) or (3) (except in an emergency).

(9) If National Grid in accordance with sub-paragraphs (6) or (8) and in consequence of the works proposed by the promoter, reasonably requires the removal of any apparatus and gives written notice to the promoter of that requirement, paragraphs 12 to 14 and 17 to 19 apply as if the removal of the apparatus had been required by the promoter under paragraph 17(2).

(10) Nothing in this paragraph precludes the promoter from submitting at any time or from time to time, but in no case less than 56 days before commencing the execution of the authorised works, a new plan, instead of the plan previously submitted, and having done so the provisions of this paragraph will apply to and in respect of the new plan.

(11) The promoter will not be required to comply with sub-paragraph (2) where it needs to carry out emergency works as defined in the 1991 Act but in that case it must give to National Grid notice as soon as is reasonably practicable and a plan of those works and must—

- (a) comply with sub-paragraphs (6), (7) and (8) insofar as is reasonably practicable in the circumstances; and
- (b) comply with sub-paragraph (12) at all times.

(12) At all times when carrying out any works authorised under the Order the promoter must comply with National Grid's policies for safe working in proximity to gas apparatus "Specification for safe working in the vicinity of National Grid, High pressure Gas pipelines and associated installation requirements for third parties T/SP/SSW22" and HSE's "HS(~G)47 Avoiding Danger from underground services".

(13) As soon as reasonably practicable after any ground subsidence event attributable to the authorised development the promoter must implement an appropriate ground mitigation scheme save that National Grid retains the right to carry out any further necessary protective works for the safeguarding of its apparatus and can recover any such costs in line with paragraph 21.

~~(e)~~

#### **Retained apparatus: protection Electricity Undertakers**

20.—(1) The promoter must provide technical information relevant to any specified works to National Grid as soon as reasonably practicable after it becomes available, and will seek to liaise with National Grid as early as reasonably practicable regarding the specified works.

(2) Not less than 56 days before the commencement of any specified works, the promoter must submit to National Grid a plan of the works to be executed and seek from National Grid details of the underground extent of their electricity tower foundations.

(3) In relation to works which will or may be situated on, over, under or within (i) 15 metres measured in any direction of any apparatus, or (ii) involve embankment works within 15 metres of any apparatus, the plan to be submitted to National Grid under sub-paragraph (1) must include a method statement and describe—

- (a) the exact position of the works;
- (b) the level at which these are proposed to be constructed or renewed;
- (c) ~~(d)~~ the manner of their construction or renewal including details of excavation, positioning of plant;
- (d) ~~(e)~~ the position of all apparatus;
- (e) ~~(f)~~ by way of detailed drawings, every alteration proposed to be made to or close to any such apparatus;
- (f) ~~(g)~~ any intended maintenance regimes; and
- (g) ~~(h)~~ an assessment of risks of rise of earth issues.

(4) In relation to any works which will or may be situated on, over, under or within 10 metres of any part of the foundations of an electricity tower or between any two or more electricity towers, the plan to be submitted under sub-paragraph (1) must, in addition to the matters set out in sub-paragraph (2), include a method statement describing—

- (a) details of any cable trench design including route, dimensions, clearance to pylon foundations;
- (b) demonstration that pylon foundations will not be affected prior to, during and post construction;
- (c) details of load bearing capacities of trenches;
- (d) details of cable installation methodology including access arrangements, jointing bays and backfill methodology;
- (e) a written management plan for high voltage hazard during construction and ongoing maintenance of the cable route;
- (f) written details of the operations and maintenance regime for the cable, including frequency and method of access;
- (g) assessment of earth rise potential if reasonably required by National Grid's engineers;
- (h) evidence that trench bearing capacity is to be designed to 26 tonnes to take the weight of overhead line construction traffic.

(5) ~~(5)~~ The promoter must not commence any works to which sub-paragraphs (3) or (4) apply until National Grid has given written approval of the plan so submitted.

(6) ~~(6)~~ Any approval of National Grid required under sub-paragraphs (3) or (4)—

- (a) may be given subject to reasonable conditions for any purpose mentioned in ~~sub-paragraphs (7) or (9); and~~ sub-paragraphs (7) or (9); and

(b) ~~(b)~~—must not be unreasonably withheld.

(7) ~~(7)~~ In relation to any work to which sub-paragraphs (3) or (4) apply, National Grid may require such modifications to be made to the plans as may be reasonably necessary for the purpose of securing its apparatus against interference or risk of damage or for the purpose of providing or securing proper and convenient means of access to any apparatus

(8) ~~(8)~~ Works to which this paragraph applies must only be executed in accordance with the plan, submitted under sub-paragraph (2) or as relevant sub-paragraph (3), (4) or (7), as approved or as amended from time to time by agreement between the promoter and National Grid and in accordance with such reasonable requirements as may be made in accordance with sub-paragraphs ~~(7)~~

(7) or (9) by National Grid for the alteration or otherwise for the protection of the apparatus, or for securing access to it, and National Grid will be entitled to watch and inspect the execution of those works.

(9) Where National Grid requires any protective works to be carried out by itself or by the promoter (whether of a temporary or permanent nature) such protective works, inclusive of any measures or schemes required and approved as part of the plan approved pursuant to this paragraph, must be carried out to National Grid's satisfaction prior to the commencement of any authorised works (or any relevant part thereof) for which protective works are required and National Grid must give 56 days' notice of such works from the date of submission of a plan pursuant to this paragraph (except in an emergency).

(10) If National Grid in accordance with sub-paragraphs (7) or (9) and in consequence of the works proposed by the promoter, reasonably requires the removal of any apparatus and gives written notice to the promoter of that requirement, paragraphs 12 to 14 and 17 to 19 apply as if the removal of the apparatus had been required by the promoter under paragraph 17(2).

(11) ~~(12)~~ Nothing in this paragraph precludes the promoter from submitting at any time or from time to time, but in no case less than 56 days before commencing the execution of the authorised works, a new plan, instead of the plan previously submitted, and having done so the provisions of this paragraph apply to and in respect of the new plan.

(12) ~~(13)~~ The promoter will not be required to comply with sub-paragraph (1) where it needs to carry out emergency works as defined in the 1991 Act but in that case it must give to National Grid notice as soon as is reasonably practicable and a plan of those works and must—

- (a) comply with sub-paragraphs (7), (8) and (9) insofar as is reasonably practicable in the circumstances; and

~~(b)~~ ~~(b)~~ comply with sub-paragraph (13) at all times.

~~(13)~~ ~~(14)~~ At all times when carrying out any works authorised under the Order, the promoter must comply with National Grid's policies for development near overhead lines EN43-8 and HSE's guidance note 6 "~~Avoidance of Danger from Overhead Lines~~ Avoiding danger from overhead power lines".

## Expenses

21.—(1) Subject to the following provisions of this paragraph, the promoter must pay to National Grid on demand all charges, costs and expenses reasonably and properly anticipated or incurred by National Grid in or in connection with the inspection, removal, relaying or replacing, alteration or protection of any apparatus or the construction of any new or alternative apparatus which may be required in consequence of the execution of any authorised works as are referred to in this Part ~~of this Schedule~~ including without limitation—

- (a) any costs reasonably incurred by or compensation properly paid by National Grid in connection with the acquisition of rights or the exercise of statutory powers for such apparatus including without limitation all costs incurred by National Grid as a consequence of National Grid—
  - (i) using its own compulsory purchase powers to acquire any necessary rights under paragraph 17(3); and/or
  - (ii) exercising any compulsory purchase powers in the Order transferred to or benefitting National Grid;
- (b) in connection with the cost of the carrying out of any necessary diversion work or the provision of any alternative apparatus;
- (c) the cutting off of any apparatus from any other apparatus or the making safe of redundant apparatus;
- (d) the approval of plans;
- (e) the carrying out of protective works, plus a capitalised sum to cover the cost of maintaining and renewing permanent protective works; and
- (f) the survey of any land, apparatus or works, the inspection and monitoring of works or the installation or removal of any temporary works reasonably necessary in consequence of the execution of any such works referred to in this Part ~~of this Schedule~~.

(2) There will be deducted from any sum payable under sub-paragraph (1) the value of any apparatus removed under the provisions of this Part ~~of this Schedule~~ and which is not re-used as part of the alternative apparatus, that value being calculated after removal.

(3) If in accordance with the provisions of this ~~Part of this Schedule~~ ~~Part~~—

- (a) apparatus of better type, of greater capacity or of greater dimensions is placed in substitution for existing apparatus of worse type, of smaller capacity or of smaller dimensions; or
- (b) apparatus (whether existing apparatus or apparatus substituted for existing apparatus) is placed at a depth greater than the depth at which the existing apparatus was situated,

~~(e)~~—

and the placing of apparatus of that type or capacity or of those dimensions or the placing of apparatus at that depth, as the case may be, is not agreed by the promoter or, in default of agreement, is not determined by arbitration in accordance with article ~~36–38~~ of the Order to be necessary, then, if such placing involves cost in the construction of works under this Part ~~of this Schedule~~ exceeding that which would have been involved if the apparatus placed had been of the existing type, capacity or dimensions, or at the existing depth, as the case may be, the amount which apart from this ~~sub-sub~~ paragraph would be payable to National Grid by virtue of sub-paragraph (1) will be reduced by the amount of that excess save where it is not possible in the circumstances to obtain the existing type of apparatus at the same capacity and dimensions or place at the existing depth in which case full costs will be borne by the promoter.

(4) For the purposes of sub-paragraph (3)—

- (a) an extension of apparatus to a length greater than the length of existing apparatus will not be treated as a placing of apparatus of greater dimensions than those of the existing apparatus; and
- (b) where the provision of a joint in a pipe or cable is agreed, or is determined to be necessary, the consequential provision of a jointing chamber or of a manhole will be treated as if it also had been agreed or had been so determined.

(5) ~~(5)~~ An amount which apart from this sub-paragraph would be payable to an undertaker in respect of works by virtue of sub-paragraph (1) will, if the works include the placing of apparatus provided in substitution for apparatus placed more than 7 years and 6 months earlier so as to confer on National Grid any financial benefit by deferment of the time for renewal of the apparatus in the ordinary course, be reduced by the amount which represents that benefit.

## Compensation

22.—(1) Subject to sub-paragraphs (2) and (3), if by reason or in consequence of the construction of any such works authorised by this Part ~~of this Schedule~~ or in consequence of the construction, use, maintenance or failure of any of the authorised works by or on behalf of the promoter or in consequence of any act or default of the promoter (or any person employed or authorised by him) in the course of carrying out such works, including without limitation works carried out by the promoter under this Part ~~of this Schedule~~ or any subsidence resulting from any of these works, any damage is caused to any apparatus or alternative apparatus (other than apparatus the repair of which is not reasonably necessary in view of its intended removal for the purposes of the authorised works) or property of National Grid, or there is any interruption in any service provided, or in the supply of any goods, by National Grid, or National Grid becomes liable to pay any amount to any third party or National Grid incurs any liability as a result of the transfer of undertaking under article 5, the promoter will—

- (a) bear and pay on demand the cost reasonably incurred by National Grid in making good such damage or restoring the supply; and
- (b) compensate National Grid for any other expenses, loss, demands, proceedings, damages, claims, penalty or costs incurred by or recovered from National Grid, by reason or in consequence of any such damage or interruption or National Grid becoming liable to any third party as aforesaid other than arising from any default of National Grid.

(2) The fact that any act or thing may have been done by National Grid on behalf of the promoter or in accordance with a plan approved by National Grid or in accordance with any requirement of National Grid or under its supervision will not (unless sub-paragraph (3) applies), excuse the promoter from liability under the provisions of ~~this~~ sub-paragraph (1) unless National Grid fails to carry out and execute the works properly with due care and attention and in a skilful and workman like manner or in a manner that does not accord with the approved plan.

(3) Nothing in sub-paragraph (1) imposes any liability on the promoter in respect of—

- (a) any damage or interruption to the extent that it is attributable to the neglect or default of National Grid, its officers, servants, contractors or agents; and
- (b) any authorised works ~~and~~ or any other works authorised by this Part ~~of this Schedule~~ carried out by National Grid as an assignee, transferee or lessee of the promoter with the benefit of this Order pursuant to section 156 (benefit of order granting development consent) of the Planning Act 2008 or article 5 (consent to transfer benefit of order) subject to the proviso that once such works become apparatus (“new apparatus”), any authorised works yet to be executed and not falling within this sub-section 3(b) will be subject to the full terms of this Part including this paragraph 22.

~~benefit of the Order pursuant to section 156 of the Planning Act 2008 or article 5 (consent to transfer benefit of order)] subject to the proviso that once such works become apparatus (“new apparatus”), any authorised works yet to be executed and not falling within this sub-section 3(b) will be subject to the full terms of this Part of this Schedule including this paragraph 22.~~

- (c) ~~(d)~~ National Grid must give the promoter reasonable notice of any such third party claim or demand and no settlement or compromise must, unless payment is required in

connection with a statutory compensation scheme, be made without first consulting the promoter and considering their representations.

## Enactments and agreements

23. Save to the extent provided for to the contrary elsewhere in this Part ~~of this Schedule~~ or by agreement in writing between National Grid and the promoter, nothing in this Part ~~of this Schedule~~ affects the provisions of any enactment or agreement regulating the relations between the promoter and National Grid in respect of any apparatus laid or erected in land belonging to the promoter on the date on which this Order is made.

## Co-operation

24.—(1) Where in consequence of the proposed construction of any of the authorised works, the promoter or an undertaker requires the removal of apparatus under paragraph 17(2) or an undertaker makes requirements for the protection or alteration of apparatus under paragraph (19), the promoter must use its best endeavours to co-ordinate the execution of the works in the interests of safety and the efficient and economic execution of the authorised development and taking into account the need to ensure the safe and efficient operation of National Grid's undertaking and National Grid must use its best endeavours to co-operate with the promoter for that purpose.

(2) For the avoidance of doubt whenever the undertaker's consent, agreement or approval to is required in relation to plans, documents or other information submitted by National Grid or the taking of action by National Grid, it must not be unreasonably withheld or delayed.

## Access

25. If in consequence of the agreement reached in accordance with paragraph 16(1) or the powers granted under this Order the access to any apparatus is materially obstructed, the promoter must provide such alternative means of access to such apparatus as will enable National Grid to maintain or use the apparatus no less effectively than was possible before such obstruction.

## Arbitration

26. Save for differences or disputes arising under paragraph 17(2), 17(4), 18(1), 19 and 20 any difference or dispute arising between the promoter and National Grid under this Part ~~of this Schedule~~ must, unless otherwise agreed in writing between the promoter and National Grid, be determined by arbitration in accordance with article ~~37~~ 38 (arbitration).

## Notices

27. The plans submitted to National Grid by the promoter pursuant to paragraph 19 and 20 must be sent to National Grid Plant Protection at [plantprotection@nationalgrid.com](mailto:plantprotection@nationalgrid.com) or such other address as National Grid may from time to time appoint instead for that purpose and notify to the promoter in writing.

~~28.~~

## PART 3

### For the Protection of Cadent Gas Limited as Gas Undertaker

## Application

~~28.~~ 29. For the protection of Cadent referred to in this Part ~~of this Schedule~~ the following provisions will, unless otherwise agreed in writing between the promoter and Cadent, have effect.

## Interpretation

29. ~~30.~~ In this Part of this Schedule—

“1991 Act” means the New Roads and Street Works Act 1991;



## **Appendix 2 – Agreed Protective Provision wording for Norfolk Boreas DCO including paragraph 12(2) and (3) wording**

### **Application**

(1) For the protection of National Grid as referred to in this Part of this Schedule the following provisions have effect, unless otherwise agreed in writing between the undertaker and National Grid.

(2) Subject to sub-paragraph (3) or to the extent otherwise agreed in writing between the undertaker and National Grid, where the benefit of this Order is transferred or granted to another person under article 6 (Benefit of the Order)—

(a) any agreement of the type mentioned in sub-paragraph (1) has effect as if it had been made between National Grid and the transferee or grantee (as the case may be); and

(b) written notice of the transfer or grant must be given to National Grid on or before the date of that transfer or grant.

(3) Sub-paragraph (2) does not apply where the benefit of the Order is transferred or granted to National Grid (but see paragraph 22(3)(b)).