

# **East Anglia ONE North Offshore Windfarm**

## **Appendix 27.2**

### **2011 Census Data**

Preliminary Environmental Information

Volume 3

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#### Revision Summary

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#### Description of Revisions

Rev	Page	Section	Description
01	n/a	n/a	Final Draft

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**Appendix 27.2** is supported by the tables listed below

Table Number	Title
Table A27.1	2011 Census Data

## Glossary of Acronyms

KS	Key Statistics
QS	Quick Statistics

## Glossary of Terminology

Applicant	East Anglia ONE North Limited.
Best Available Techniques	The available techniques which are the best for preventing or minimising emissions and impacts on the environment.
Construction consolidation sites	Compounds which will contain laydown, storage and work areas for onshore construction works. The HDD construction compound will also be referred to as a construction consolidation site.
Development area	The area comprising the Proposed onshore development Area and the Offshore Development Area
East Anglia ONE North project	The proposed project consisting of up to 67 wind turbines, up to four offshore electrical platforms, up to one construction operation and maintenance platform, inter-array cables, platform link cables, up to one operational meteorological mast, up to two offshore export cables, fibre optic cables, landfall infrastructure, onshore cables and ducts, onshore substation, and National Grid infrastructure.
European site	Sites designated for nature conservation under the Habitats Directive and Birds Directive, as defined in regulation 8 of the Conservation of Habitats and Species Regulations 2017 and regulation 18 of the Conservation of Offshore Marine Habitats and Species Regulations 2017. These include candidate Special Areas of Conservation, Sites of Community Importance, Special Areas of Conservation and Special Protection Areas.
Evidence Plan Process	A voluntary consultation process with specialist stakeholders to agree the approach to the EIA and the information required to support HRA.
Horizontal directional drilling (HDD)	A method of cable installation where the cable is drilled beneath a feature without the need for trenching.
Jointing bay	Underground structures constructed at regular intervals along the onshore cable route to join sections of cable and facilitate installation of the cables into the buried ducts.
Landfall	The area (from Mean Low Water Springs) where the offshore export cables would make contact with land, and connect to the onshore cables.
Link boxes	Underground chambers or above ground cabinets next to the cable trench housing electrical earthing links.
Mitigation areas	Areas captured within the Development Area specifically for mitigating expected or anticipated impacts.
National Grid infrastructure	A National Grid substation, connection to the existing electricity pylons and National Grid overhead line realignment works which will be consented as part of the proposed East Anglia ONE North project Development Consent Order but will be National Grid owned assets.
National Grid overhead line realignment works	Works required to upgrade the existing electricity pylons and overhead lines to transport electricity from the National Grid substation to the national electricity grid
National Grid overhead line	The proposed area for National Grid overhead line realignment works.

realignment works area	
National Grid substation	The substation (including all of the electrical equipment within it) necessary to connect the electricity generated by the proposed East Anglia ONE North project to the national electricity grid which will be owned by National Grid but is being consented as part of the proposed East Anglia ONE North project Development Consent Order.
National Grid substation location	The proposed location of the National Grid substation.
Onshore cable corridor	The corridor within which the onshore cable route will be located.
Onshore cable route	This is the construction swathe within the onshore cable corridor which would contain onshore cables as well as temporary ground required for construction which includes cable trenches, haul road and spoil storage areas.
Onshore cables	The cables which would bring electricity from landfall to the onshore substation. The onshore cable is comprised of up to six power cables and two fibre optic cables.
Proposed onshore development area	The area in which the landfall, onshore cable corridor, onshore substation, mitigation areas, temporary construction facilities (such as access roads and construction consolidation sites), and the National Grid Infrastructure will be located.
Onshore infrastructure	The combined name for all of the onshore infrastructure associated with the proposed East Anglia ONE North project from landfall to the connection to the national electricity grid.
Onshore substation	The East Anglia ONE North substation and all of the electrical equipment, both within and connecting to the National Grid infrastructure.
Onshore substation location	The proposed location of the onshore substation for the proposed East Anglia ONE North project.
Transition bay	Underground structures at the landfall that house the joints between the offshore export cables and the onshore cables.

## 27.2 2011 Census Data

1. This appendix presents relevant census data that have been used to inform the Existing Environment presented in **section 27.5** of **Chapter 27 Human Health**. Census data is used to understand site specific populations because data at small geographic output areas (such as Lower Super Output Areas) is only collated during a census.
2. The most recent Census data is from 2011 and is available as a Data Query on the NOMIS website (part of the Office for National Statistics) and is available at the following URL:

<https://www.nomisweb.co.uk/query/select/getdatasetbytheme.asp?theme=75>

3. Key Statistics (KS) and Quick Statistics (QS) have been used. The relevant datasets are referenced within **Table A27.1** beginning with either KS or QS.



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Table A27.1 2011 Census Data

Study area of project	Onshore North	Onshore South	Landfall	Ward	District	County	LEP	Country
Name of dataset Geographic (see Figure 27.1 for location of LSOAs used)	Suffolk Coastal 003A	Suffolk Coastal 003E	Suffolk Coastal 004A	Aldeburgh	Suffolk Coastal	Suffolk	New Anglia	England
QS418EW - Dwellings	653	1,037	1,466	2,639	58,330	327,808	729,564	22,976,066
KS101EW - Usual resident population	1,449	1,911	2,001	3,225	124,298	728,163	1,586,051	53,012,456
<b>KS102EW - Age structure</b>								
All usual residents	1,449	1,911	2,001	3,225	124,298	728,163	1,586,051	53,012,456
Age 0 to 4	2.9%	3.9%	3.3%	3.0%	5.0%	5.8%	5.6%	6.3%
Age 5 to 7	2.6%	3.0%	1.8%	2.0%	3.2%	3.3%	3.1%	3.4%
Age 8 to 9	1.7%	1.7%	1.0%	1.1%	2.0%	2.1%	2.0%	2.2%
Age 10 to 14	7.0%	4.6%	2.8%	3.4%	6.1%	5.8%	5.6%	5.8%
Age 15	1.1%	0.9%	0.6%	0.7%	1.3%	1.2%	1.2%	1.2%
Age 16 to 17	1.9%	2.1%	0.7%	0.9%	2.6%	2.5%	2.4%	2.5%
Age 18 to 19	1.8%	1.2%	0.8%	1.1%	2.0%	2.2%	2.3%	2.6%
Age 20 to 24	4.5%	3.2%	2.5%	3.0%	4.3%	5.6%	5.8%	6.8%
Age 25 to 29	2.5%	3.2%	2.2%	3.3%	4.0%	5.9%	5.8%	6.9%
Age 30 to 44	12.8%	12.1%	9.5%	10.9%	16.9%	18.8%	18.4%	20.6%

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Study area of project	Onshore North	Onshore South	Landfall	Ward	District	County	LEP	Country
Age 45 to 59	23.6%	25.5%	16.3%	18.1%	21.4%	19.8%	19.7%	19.4%
Age 60 to 64	9.8%	11.4%	10.5%	9.8%	8.0%	7.1%	7.2%	6.0%
Age 65 to 74	14.0%	15.5%	20.4%	19.0%	11.8%	10.3%	10.8%	8.6%
Age 75 to 84	9.4%	8.0%	17.8%	15.9%	8.0%	6.7%	7.1%	5.5%
Age 85 to 89	3.0%	2.6%	5.9%	5.0%	2.2%	1.8%	1.9%	1.5%
Age 90 and over	1.5%	0.8%	3.4%	2.8%	1.2%	1.0%	1.0%	0.8%
<b>KS106EW - Adults not in employment</b>								
count of Household; All households	598	863	1,043	1,708	53,558	310,745	682,830	22,063,368
No adults in employment in household	37.8%	37.4%	56.0%	51.5%	36.5%	34.1%	35.8%	33.3%
Dependent children in household: All ages	21.7%	20.5%	10.5%	11.0%	25.9%	27.4%	26.3%	29.1%
One person in household with a long-term health problem or disability	29.3%	27.2%	30.9%	29.6%	26.4%	25.6%	26.4%	25.7%
<b>KS301EW- Health and provision of unpaid care</b>								
All categories: Long-term health problem or disability	1,449	1,911	2,001	3,225	124,298	728,163	1,586,051	53,012,456
Day-to-day activities limited a lot	10.8%	8.3%	12.2%	11.1%	7.9%	7.9%	8.5%	8.3%
Day-to-day activities limited a little	10.7%	11.5%	16.3%	15.1%	10.6%	10.1%	10.6%	9.3%
Day-to-day activities not limited	78.5%	80.2%	71.4%	73.8%	81.5%	82.1%	80.9%	82.4%

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Study area of project	Onshore North	Onshore South	Landfall	Ward	District	County	LEP	Country
Day-to-day activities limited a lot: Age 16 to 64	3.2%	3.5%	1.7%	1.6%	2.6%	3.0%	3.3%	3.6%
Day-to-day activities limited a little: Age 16 to 64	4.3%	4.3%	3.4%	3.5%	4.2%	4.4%	4.6%	4.6%
Day-to-day activities not limited: Age 16 to 64	49.3%	51.1%	37.6%	42.0%	52.4%	54.5%	53.8%	56.5%
Very good health	38.4%	46.0%	33.4%	35.2%	46.3%	45.9%	44.2%	47.2%
Good health	38.6%	35.2%	40.1%	39.9%	35.5%	35.7%	36.2%	34.2%
Fair health	17.3%	13.8%	20.6%	19.3%	13.8%	13.6%	14.4%	13.1%
Bad health	4.6%	4.0%	4.4%	4.3%	3.6%	3.7%	4.1%	4.2%
Very bad health	1.0%	1.0%	1.5%	1.3%	0.9%	1.0%	1.2%	1.2%
Provides no unpaid care	85.8%	85.6%	85.1%	85.4%	88.1%	89.3%	89.1%	89.8%
Provides 1 to 19 hours unpaid care a week	9.2%	10.5%	10.2%	10.2%	8.3%	7.1%	7.0%	6.5%
Provides 20 to 49 hours unpaid care a week	1.5%	1.5%	1.4%	1.5%	1.3%	1.2%	1.3%	1.4%
Provides 50 or more hours unpaid care a week	3.5%	2.5%	3.3%	3.0%	2.3%	2.4%	2.5%	2.4%
<b>QS119EW - Households by deprivation dimensions</b>								
All categories: Classification of household deprivation	598	863	1,043	1,708	53,558	310,745	682,830	22,063,368
Household is not deprived in any dimension	41.1%	48.3%	42.9%	42.2%	46.9%	43.9%	42.5%	42.5%
Household is deprived in 1 dimension	38.5%	34.5%	39.7%	39.6%	33.9%	33.8%	33.9%	32.7%
Household is deprived in 2 dimensions	17.9%	13.2%	15.4%	15.5%	16.1%	18.2%	19.1%	19.1%
Household is deprived in 3 dimensions	2.5%	3.7%	2.0%	2.6%	3.0%	3.8%	4.1%	5.1%

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Household is deprived in 4 dimensions	0.0%	0.2%	0.0%	0.2%	0.2%	0.3%	0.3%	0.5%
<b>QS416EW - Car or van availability</b>								
All categories: Car or van availability	598	863	1,043	1,708	53,558	310,745	682,830	22,063,368
No cars or vans in household	9.9%	7.1%	13.6%	16.6%	14.0%	17.9%	18.4%	25.8%
1 car or van in household	43.3%	41.4%	50.5%	49.8%	42.9%	43.5%	44.2%	42.2%
2 cars or vans in household	34.3%	35.2%	26.2%	25.3%	32.1%	29.2%	28.2%	24.7%
3 cars or vans in household	8.0%	10.2%	7.0%	6.3%	8.0%	6.8%	6.6%	5.5%
4 or more cars or vans in household	4.5%	6.1%	2.7%	1.9%	3.0%	2.6%	2.5%	1.9%
<b>QS501EW - Highest level of qualification</b>								
All categories: Highest level of qualification	1,229	1,640	1,808	2,896	102,401	595,261	1,308,164	42,989,620
No qualifications	27.4%	20.4%	24.0%	24.3%	21.1%	24.3%	25.4%	22.5%
Level 1 qualifications	12.8%	12.3%	11.0%	11.8%	13.5%	14.4%	14.3%	13.3%
Level 2 qualifications	16.8%	14.6%	13.8%	14.4%	16.7%	16.5%	16.4%	15.2%
Apprenticeship	6.8%	4.1%	4.7%	4.3%	4.1%	4.2%	4.2%	3.6%
Level 3 qualifications	10.2%	10.7%	9.0%	9.0%	11.3%	11.6%	11.7%	12.4%
Level 4 qualifications and above	21.7%	33.8%	32.9%	31.5%	29.0%	23.5%	22.7%	27.4%
<b>QS601EW - Economic activity</b>								

Study area of project	Onshore North	Onshore South	Landfall	Ward	District	County	LEP	Country
All categories: Economic activity								
Economically active: Total	661	955	689	1,288	61,006	373,282	798,014	27,183,134
Economically active: Unemployed	2.9%	3.8%	2.5%	3.1%	3.9%	5.1%	5.3%	6.3%
Economically inactive: Total	366	468	574	843	27,244	152,181	351,247	11,698,240
Economically inactive: Retired	63.9%	69.0%	81.4%	77.8%	63.0%	56.9%	56.5%	45.5%
Economically inactive: Student (including full-time students)	7.9%	5.6%	2.8%	3.1%	10.3%	11.2%	12.1%	19.3%
Economically inactive: Looking after home or family	13.4%	10.5%	8.7%	9.6%	12.6%	14.5%	13.7%	14.5%
Economically inactive: Long-term sick or disabled	10.7%	8.5%	3.5%	4.5%	8.5%	10.8%	11.6%	13.5%
<b>QS606EW - Occupation (Minor Groups)</b>								
All categories: Occupation	640	915	667	1,243	58,257	351,760	749,074	25,162,721
22. Health professionals	2.5%	3.6%	2.4%	2.0%	3.6%	3.3%	3.5%	3.8%
32. Health and social care associate professionals	0.3%	1.0%	0.9%	0.9%	1.1%	1.1%	1.1%	1.2%
<b>52. Skilled metal, electrical and electronic trades</b>	7.3%	3.8%	2.7%	3.1%	3.7%	4.5%	4.6%	3.9%
<b>53. Skilled construction and building trades</b>	6.9%	6.0%	5.5%	5.6%	3.8%	4.4%	4.5%	3.9%
<b>912. Elementary Construction Occupations</b>	0.5%	0.3%	0.9%	1.0%	0.5%	0.6%	0.6%	0.5%

Study area of project	Onshore North	Onshore South	Landfall	Ward	District	County	LEP	Country
<b>QS702EW - Distance travelled to work</b>								
All categories: Distance travelled to work	640	915	667	1,243	58,257	351,760	749,074	25,162,721
Work mainly at or from home	12.0%	22.1%	23.2%	21.6%	14.1%	11.5%	11.4%	10.3%
Average distance (km)	18	26	28	26	17	17	17	15