

# Human Health and Population

Appendix 12A: Socioeconomics Baseline



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## Glossary

Application Site	The area within the red line planning boundary comprising the Onshore Transmission Works (OnTW), as defined.
Consented Offshore Transmission Works (OfTW)	Offshore substation platforms and their foundations and substructures, interconnector cables and offshore export cables, as consented by the Scottish Ministers on 10 October 2014.
Consented Offshore Wind Farm	Wind turbine generators and their foundations and substructures, and inter-array cables., as consented by the Scottish Ministers on 10 October 2014.
Construction Compound	An indicative area within the Application Site used to accommodate the temporary work site including; construction parking, construction welfare facilities, construction meeting room, construction laydown and storage area, construction security facilities (fenced area/gate and security access) and construction security lighting.
EIA Report	Report presenting the findings of the Environmental Impact Assessment (EIA).
ICOL's Offshore Transmission Works (OfTW)	Offshore substation platforms (OSPs) and their foundations and substructures, interconnector cables and Offshore Export Cables. This refers to either the Original OfTW or Revised OfTW, as defined.
ICOL's Offshore Wind Farm	This includes proposed wind turbine generators, foundations and substructures and inter-array cables. This refers to either the Consented Offshore Wind Farm or Revised Offshore Wind Farm, as defined.
Judicial Review	Court proceeding in which a judge reviews the lawfulness of a decision or action made by a public body.
Landfall	Point where up to two Offshore Export Cables from ICOL's Offshore Wind Farm will be brought ashore.
Offshore Export Cable	The subsea, buried or protected electricity cables running from ICOL's Offshore Wind Farm offshore substation to the Landfall and from the Landfall to the Onshore Substation.
Onshore Export Cables	Electricity cables from the Onshore Substation and from the Onshore Substation to the grid connection point.
Onshore Export Cable Corridor	The area within the Application Site where the proposed Onshore Export Cables will be laid.
Onshore Substation	The electrical substation comprising of all the equipment and associate infrastructure required to enable connection to the electrical transmission grid.
Onshore Substation Site/Substation Site	The indicative area within the Application Site where the Onshore Substation and screening will be located.
Onshore Transmission Works (OnTW)	All proposed works within the Application Site, typically including the Onshore Substation, cables transition pits, cable jointing pits, underground electricity transmission cables connecting to the Onshore Substation and further underground cables required to facilitate connection to the national grid. This includes all permanent and temporary works required. See <i>Chapter 5: Description of Development</i> for full details.
Original Application Site	The area within the red line planning boundary comprising the Original OnTW, as defined.
Original Onshore Substation	The electrical substation comprising of all the equipment and associate infrastructure required to enable connection to the electrical transmission grid as was granted planning permission in principle in September 2014, under ELC reference 14/00456/PPM.

Original OnTW	The OnTW, as was granted planning permission in principle in September 2014, under ELC reference 14/00456/PPM.
Original OnTW EIA	The Environmental Impact Assessment (EIA) that was prepared to support the planning application for the Original OnTW and reported in the Original OnTW ES, as defined.
Original OnTW ES	The Environmental Statement (ES) that was submitted to support the application for the Original OnTW in 2014.
Revised Offshore Transmission Works (OfTW)	Offshore substation platforms and their foundations and substructures, interconnector cables and Offshore Export Cables, as per the scoping report submitted to Marine Scotland Licensing Operations Team on behalf of the Scottish Ministers in April 2017.
Revised Offshore Wind Farm	Wind turbine generators and their foundations and substructures, and inter-array cables, as per the scoping report submitted to Marine Scotland Licensing Operations Team on behalf of the Scottish Ministers in April 2017.
Scoping Report	Report prepared as the first stage of the EIA process in support of a request for a Scoping Opinion from East Lothian Council, under Regulation 17 of the EIA Regulations. The Report was submitted in July 2017.

## Abbreviations and Acronyms

EIA	Environmental Impact Assessment
EIA Report	Environmental Impact Assessment Report
ELC	East Lothian Council
ES	Environmental Statement
ICOL	Inch Cape Offshore Limited
MLWS	Mean Low Water Springs
NETS	National Electricity Transmission System
OfGEM	Office of Gas and Electricity Markets
OfTW	Offshore Transmission Works
OnTW	Onshore Transmission Works
PAC	Pre-Application Consultation
PAN	Planning Application Notice
PPP	Planning Permission in Principle
RRPL	Red Rock Power Limited
RSPB	Royal Society for Protection of Birds

SSE	Scottish and Southern Energy Plc.
WTG	Wind Turbine Generator
PAN	Proposal of Application Notice

## 12A Socio-Economics Baseline

### 12A.1 Introduction

- 1 This Technical Appendix provides details of the population, employment and economic activity baseline data for the Preston/Seton/Gosford ward (see Figure 12.1) against which the socio-economic effects of the Inch Cape Onshore Transmission Works (OnTW) have been assessed.
- 2 This Technical Appendix was produced in support of the 2014 OnTW ES and is considered to be representative of the socio-economics baseline for the current Application Site.

### 12A.2 Population

- 3 According to the 2011 Census, the Preston/Gosford/Seton ward had a total population of 17,540 people of which 51 per cent (9,019 residents) were female and 49 per cent (8,521 residents) male. This represents 17.6 per cent of the population of East Lothian (99,717 people) and makes it the ward with the second highest population in East Lothian. The Preston/Seton/Gosford ward includes the main settlements of:
  - Prestonpans – 9,140 people (52 per cent of the population of the ward);
  - Port Seton/Cockenzie – 5,551 people (32 per cent of the population of the ward);
  - Longniddry – 2,488 people (14 per cent of the population of the ward); and
  - 361 people (2 per cent of the population of the ward) live in the remaining rural areas.
- 4 According to the 2011 Census, the population of the Preston/Seton/Gosford ward is growing, with a population increase of 11.4 per cent (1,797 people) since the 2001 Census. This is slightly higher than the growth rate of 10.7 per cent (9,629 people) across the whole of East Lothian.
- 5 Table 12A.1 highlights the age structure of the Preston/Seton/Gosford ward and places it in the context of East Lothian and Scotland. This demonstrates that the age structure of the Preston/Seton/Gosford ward is very similar to East Lothian as a whole. Compared to Scotland however there are proportionally more children (0-15) and fewer people of working age (16-64). The average age of a person living in the Preston/Seton/Gosford ward is 40.7 years, similar to the average age across East Lothian (41 years) and Scotland (40.3 years).

**Table 12A.1: Age Structure of Population**

Age Group	Preston/Seton/Gosford Electoral Ward 2007	East Lothian	Scotland
0-15	19 %	19 %	17 %
16-19	5 %	5 %	5 %
20-34	16 %	15 %	19 %
35-49	23 %	23 %	22 %



Age Group	Preston/Seton/Gosford Electoral Ward 2007	East Lothian	Scotland
50-59	14 %	14 %	13 %
60-64	7 %	6 %	6 %
65-74	10 %	10 %	9 %
75 and over	7 %	8 %	8 %
Total	17,540	99,717	5,295,403
Source: Scotland's Census 2011, Table QS103SC			

- 6 Population growth estimates for local authority areas in Scotland are produced each year by the General Register of Scotland (GROS). According to 2010 based population predictions (GROS, 2012), the total population of East Lothian is projected to grow to 129,729 by 2035. The population of East Lothian is projected to grow at a faster rate than any other area of Scotland between 2010 and 2035.

### 12A.3 Economic Activity and Employment

- 7 Table 12A.2 shows the economic activity of all persons in the Preston/Seton/Gosford ward of working age in the 2011 Census and again places it in the context of East Lothian and Scotland.

**Table 12A.2: Industries of Employment of All Persons Aged 16-74 in Employment**

	Activity	Preston/Seton/ Gosford Electoral Ward 2007	East Lothian	Scotlan d
Economically Active	Employees Part-time	14.5 %	15.0 %	13.3 %
	Employees Full-time	41.7 %	39.6 %	39.6 %
	Self-employed	7.6 %	9.4 %	7.5 %
	Unemployed	4.9 %	4.2 %	4.8 %
	Full time students (in employment)	2.2 %	3.0 %	3.7 %
	Total economically active	70.9 %	71.1 %	69.0 %
Economically Inactive	Retired	16.4 %	15.8 %	14.9 %
	Student (economically inactive)	3.2 %	4.2 %	5.5 %
	Looking after home/family	3.1 %	3.3 %	3.6 %
	Permanently sick/disabled	4.6 %	3.9 %	5.1 %
	Other	1.8 %	1.6 %	1.9 %
	Total economically inactive	29.1 %	28.9 %	31.0 %

	<b>Activity</b>	<b>Preston/Seton/ Gosford Electoral Ward 2007</b>	<b>East Lothian</b>	<b>Scotlan d</b>
	All people aged 16-74	12,996	72,821	3,970,530
Source: Scotland's Census 2011, Table QS601SC				

- 8 The economic activity of all persons of working age in the 2011 Census in the Preston/Seton/Gosford ward (70.9 per cent) was higher than across Scotland as a whole (69.0 per cent) but lower than across East Lothian (71.1 per cent). The percentage of those who were economically active who were in employment (employed or self-employed) in the Preston/Seton/Gosford ward (89.9 per cent) was the same as across East Lothian but higher than across Scotland as a whole (87.7 per cent). Unemployment levels in the Preston/Seton/Gosford ward (4.9 per cent) are broadly similar to those across Scotland (4.8 per cent) but higher than those across East Lothian (4.2 per cent).
- 9 Table 12A.3 shows the industries of employment of all persons of working age in employment in the 2011 Census.

**Table 12A.3: Economic Activity of Persons Aged 16-74 Years**

<b>Activity</b>	<b>Preston/Seton/ Gosford Electoral Ward 2007</b>	<b>East Lothia n</b>	<b>Scotlan d</b>
Agriculture, forestry and fishing	1.1 %	2.3 %	2.0 %
Mining and quarrying	0.3 %	0.3 %	1.4 %
Manufacturing	5.0 %	5.4 %	7.7 %
Electricity, gas, steam and air conditioning	1.9 %	1.7 %	0.8 %
Water supply	0.8 %	0.7 %	0.8 %
Construction	9.1 %	8.4 %	8.0 %
Wholesale and retail	15.2 %	14.1 %	15.0 %
Transport and storage	4.8 %	4.3 %	5.0 %
Accommodation and food service	4.7 %	5.3 %	6.3 %
Information and communication	1.8 %	2.1 %	2.7 %
Financial and insurance activities	8.4 %	7.4 %	4.5 %
Real estate activities	1.0 %	1.3 %	1.2 %
Professional, scientific and technical activities	5.2 %	6.2 %	5.2 %

Activity	Preston/Seton/ Gosford Electoral Ward 2007	East Lothian	Scotland
Administrative and support service activities	3.7 %	3.7 %	4.3 %
Public administration and defence	8.5 %	7.4 %	7.0 %
Education	7.7 %	8.0 %	8.4 %
Human health and social work	14.1 %	15.2 %	15.0 %
Arts, entertainment and recreation	6.6 %	6.1 %	4.8 %
Other	0.1 %	0.1 %	0.1 %
Total	8,501	48,205	2,516,895
Source: Scotland's Census 2011, Table QS605SC			

- 10 The above table identifies that the greatest employment sector in the Preston/Seton/Gosford ward was wholesale and retail, which employed 15.2 per cent of all persons of working age in employment compared to 14.1 per cent across East Lothian and 15.0 per cent across Scotland. The next most popular employment sectors were human health and social work (14.1 per cent compared to 15.2 across East Lothian and 15.0 per cent across Scotland) and construction (9.1 per cent compared to 8.4 per cent across East Lothian and 8.0 per cent across Scotland).
- 11 The above table also demonstrates the importance of financial and insurance activities to the Preston/Seton/Gosford ward, with 8.4 per cent of all persons in employment in the ward employed in this sector, compared to 7.4 per cent for East Lothian and 4.5 per cent for Scotland. A smaller proportion of people in the Preston/Seton/Gosford ward are employed in manufacturing, with 5.0 per cent of all persons in employment in the ward employed in this sector compared to 5.4 per cent in East Lothian and 7.7 per cent in Scotland.
- 12 Table 12A.4 shows the employment by occupation category of all persons of working age in employment in the 2011 Census.

**Table 12A.4: Employment by Occupation Category**

Activity	Preston/Seton/ Gosford Electoral Ward 2007	East Lothian	Scotland
Managers, directors and senior officials	8.5 %	9.5 %	8.4 %
Professional occupations	13.2 %	16.3 %	16.8 %

Activity	Preston/Seton/Gosford Electoral Ward 2007	East Lothian	Scotland
Associate professional and technical occupations	13.0 %	12.6 %	12.6 %
Administrative and technical occupations	13.9 %	12.1 %	11.4 %
Skilled trades occupations	14.1 %	13.2 %	12.5 %
Caring, leisure and other service occupations	10.8 %	10.8 %	9.7 %
Sales and customer service operations	9.1 %	8.6 %	9.3 %
Process, plant and machine operatives	7.1 %	6.5 %	7.7 %
Elementary occupations	10.3 %	10.4 %	11.6 %
Total	8,501	48,205	2,516,895
Source: Scotland's Census 2011, Table QS606SC			

- 13 The above table demonstrates that there are significant differences across employment sectors, with 21.7 per cent of those of working age in Preston/Seton/Gosford ward employed in professional or managerial occupations compared to 25.8 per cent in East Lothian and 25.2 per cent in Scotland. Across the Preston/Seton/Gosford ward skilled trades (14.1 per cent) is the most common occupational category followed closely by administrative and technical occupations (13.9 per cent).
- 14 There are also significant variations throughout the ward. In Longniddry, 35 per cent of the working age populations are in professional or managerial occupations and this falls to 22 per cent in Cockenzie/Port Seton and to 18 per cent in Prestonpans. The proportion of the working age population working in skilled trades is 15 per cent in Prestonpans, 13 per cent in Cockenzie/Port Seton and 11 per cent in Longniddry.

#### 12A.4 Socio-Economic Indicators

- 15 The Scottish Index of Multiple Deprivation (SIMD) is a composite measure of deprivation based on a range of indicators including employment, income, health and education. The local area geography adopted by the Scottish Government for this measure is data zones. These zones are based on groups of census output areas and have populations of between 500 and 1,000 household residents. There are 6,505 data zones in Scotland.
- 16 The SIMD provides a relative ranking of 6,505 data zones across Scotland from the most deprived (ranked 1) to the least deprived (ranked 6,505). Generally those data zones falling within the lowest 20 per cent are defined as having the greatest concentrations of deprivation.

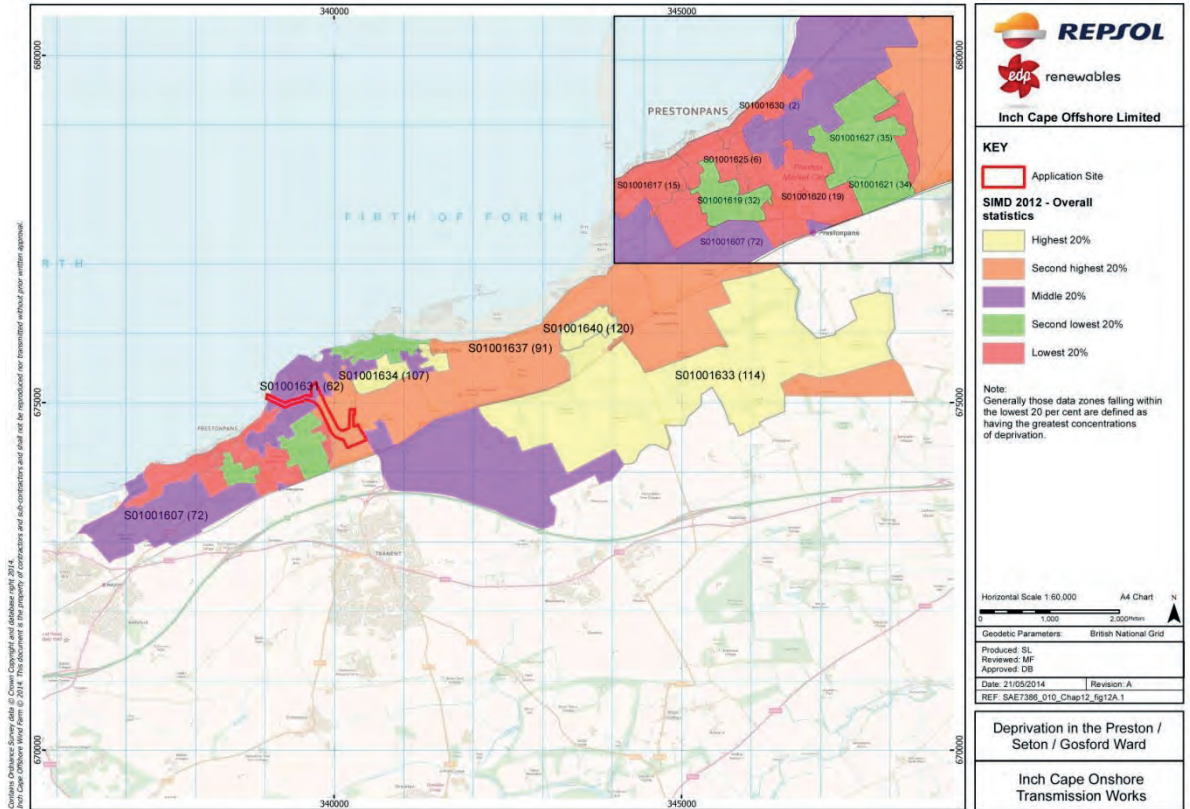
There are 21 data zones in the Preston/Seton/Gosford ward, with the Application Site falling within data zones S01001631 (Cockenzie) and S01001637 (Longniddry – Douglas Crescent, Seton/Seton Mains).

- 17 Table 12.A5 shows all of the data zones in the Preston/Seton/Gosford ward and identifies their ranking and percentile out of the 120 data zones in East Lothian and the 6,505 data zones in Scotland. Figure 12A.1 shows all of the data zones in the Preston/Seton/Gosford ward and illustrates their ranking out of the 120 data zones in East Lothian.

**Table 12A.5: Preston/Seton/Gosford Data Zones Ranked By SIMD Overall Deprivation 2012**

Datazone		East Lothian Rank (120)	East Lothian Percentile	Scotland Rank (6505)	Scotland Percentile
S01001630	Prestonpans – High St	2	2 %	691	11 %
S01001613	P/pans - Cuthill	3	3 %	753	12 %
S01001625	P/pans – Rope Walk/High St/Ormiston Pl	6	5 %	1232	19 %
S01001628	P/pans – Preston Cres	9	8 %	1465	23 %
S01001617	P/pams – Prestongrange Tce/Summerlee	15	13 %	1907	29 %
S01001620	P/pans – Preston Road/East & West Loan	19	16 %	1946	30 %
S01001639	P/pans – Thomson Cresc/Johnston Tce/Golf Dr	27	23 %	2372	36 %
S01001619	P/pans – N. Grange Ave/ S. Grange Ave	32	27 %	2528	39 %
S01001621	P/pans – Preston Tce/Thorntree Cresc	34	28 %	2666	41 %
S01001627	P/pans – around Preston Lodge High School	35	29 %	2738	42 %
S01001638	Port Seton – High St/Gosford Rd	39	33 %	2883	44 %

Datazone		East Lothian Rank (120)	East Lothian Percentile	Scotland Rank (6505)	Scotland Percentile
S01001629	P/pans – Kirk St/Harlawhill Gdns/North Cresc	55	46 %	3774	58 %
S01001631	Cockenzie	62	52 %	3952	61 %
S01001635	Port Seton – Castle Rd/Castle Walk	65	54 %	4107	63 %
S01001642	Longniddry – Main St & north of Primary School	75	63 %	4416	68 %
S01001637	Longniddry – Douglas Cres, Seton/Seton Mains	91	76 %	4809	74 %
S01001632	Cockenzie – Cedar Dr/Rowanhill Park & Dr	100	83 %	5518	85 %
S01001634	Port Seton – North Seton Park/ Alder Rd	107	89 %	5904	91 %
S01001636	Port Seton – Links View – Seton Court	110	92 %	5994	92 %
S01001633	Longniddry – Glassel Park Rd and rural area	114	95 %	6257	96 %
S01001640	Longniddry – Campbell Rd & Charteris Rd	120	100 %	6457	99 %
Source: SIMD 2012					



**Figure 12A.1: Deprivation in the Preston/Seton/Gosford ward**

- 18 Table 12A.5 and Figure 12A.1 show that there are six data zones in the Preston/Seton/Gosford ward which are within the 20 per cent most deprived across East Lothian, with these data zones being clustered around Prestonpanes town centre. Three of these data zones also fall within the 20 per cent most deprived across Scotland.
- 19 Closer examination of the individual domain rankings identifies that the Preston/Seton/Gosford ward is considered to be deprived in terms of employment, with 12.7 per cent of the working age population of the ward considered to be employment deprived compared to 10 per cent for East Lothian and 13 per cent for Scotland. The proportion of the population considered to be employment deprived in the ward ranges from 27 per cent in areas of Prestonpanes to 2 per cent in areas of Longniddry.

## References

GROS (2012) *Population Projections for Scottish Areas (2010-based)*. General Register Office for Scotland, February 2012. Available at: <http://www.gro-scotland.gov.uk/files2/stats/population-projections/scottish-areas-2010-based/population-projections-scottish-areas-2010-based.pdf>

National Records of Scotland (2014). *Scotland's Census 2011*. Available at: <http://www.scotlandscensus.gov.uk/>

Scottish Neighbourhood Statistics (2012). *Scottish Index of Multiple Deprivation 2012*. Available at: <http://simd.scotland.gov.uk/publication-2012/>