



# Energy

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**Less than 1% of jobs in Hull and East Yorkshire are in the energy sector**

The energy sector includes companies who extract crude petroleum and natural gas, companies who generate, transmit and distribute electricity and companies who manufacture gas. It also includes companies who generate renewable energy from solar, on and offshore wind, tidal, and newer technologies like hydrogen.

### Did You Know?

- The largest offshore wind farm in the world - Hornsea 2 – is located 89km off the East Yorkshire coast. It provides power to more than 1.4 million homes.
- When construction of the Dogger Bank offshore wind farm is completed off the East Yorkshire coast, it will become the world's largest, generating enough electricity to power up to 6 million homes.
- Saltend Chemicals Park could become home to one of the world's first at-scale facilities producing hydrogen from natural gas with carbon capture and storage, enabling the reduction of 900,000 tonnes of carbon emissions in the region.
- The Energy Works waste to energy power station in Hull will produce enough electricity to power the equivalent of 43,000 homes per year by processing 240,000 tonnes of waste.

### Will there be opportunities available?

- The energy sector is changing. The UK government have set targets to achieve net zero carbon emissions by 2050 and the energy sector will play a key role in this transition, creating many highly skilled jobs in the process.
- 27% of the UK energy sector workforce are predicted to retire in the next 10 years. Combined with the growth of new and replacement jobs, this means that the sector needs to replace or retrain 48% of its current workforce over the next decade, which equates to 277,000 vacancies.
- The Humber is the most carbon intensive industrial cluster in the UK. 37% of carbon dioxide emissions from the UK's six largest industrial clusters come from the region. Decarbonisation could attract up to £15 billion of investment

Job Title	National Average Salary
Electricity Generation Worker	£19,000 to £35,000
Engineering Maintenance Technician	£21,000 to £40,000
Geophysicist	£20,000 to £50,000
Smart Meter Installer	£21,000 to £42,000
Wind Turbine Technician	£25,000 to £47,000
Welder	£22,000 to £45,000

and potentially create up to 49,000 exciting and well-paid jobs in technologies such as clean hydrogen production and carbon capture and storage.

**Good to Know:** A lot of exciting jobs in the energy sector offering a good salary require a science, technology, engineering or maths (STEM) background.

### Skills/qualities

- Problem-solving
- Attention to detail
- Computer skills
- Communication
- Team working

### Useful subjects include

- Science
- Maths
- Engineering
- Technology
- Business

### Some local employers

- [www.bostonenergy.co.uk](http://www.bostonenergy.co.uk)
- [www.centrica.com](http://www.centrica.com)
- [www.equinor.com/where-we-are/united-kingdom](http://www.equinor.com/where-we-are/united-kingdom)
- [www.gewindpower.com](http://www.gewindpower.com)
- [www.nationalgrid.com](http://www.nationalgrid.com)
- [www.northernpowergrid.com](http://www.northernpowergrid.com)
- [www.orsted.co.uk](http://www.orsted.co.uk)
- [www.sserenewables.com](http://www.sserenewables.com)

Sources: Energy & Utility Skills, Zero Carbon Humber, Offshore Wind Industry Council, National Careers Service.

**For information...** [www.skillshullandeastyorkshire.co.uk](http://www.skillshullandeastyorkshire.co.uk) [www.logonmoveon.co.uk](http://www.logonmoveon.co.uk)  
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The information presented is accurate at the time of publication.



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