

ENERGY AND UTILITIES

Overview

Working in the energy and utilities sector is to play a part in the vital infrastructure of our cities, homes and businesses.

Roles exist in the sector for those who have studied any degree: as well as roles using scientific degree knowledge (such as water quality scientist or hydrographic surveyor), there are many opportunities for graduates to employ transferable skills from any course, including in project management, finance, human resources and business development.

Energy

Within the energy sector there are:

- **integrated energy companies** who create energy using a range of fuel sources (e.g. the 'big six' in the UK – Centrica (British Gas), E.On, EDF Energy, Npower, ScottishPower and SSE),
- **renewable specialist companies** (e.g. MHI Vestas),
- **oil and gas companies** who extract and explore as well selling fuel to end users (e.g. BP)
- **distributing companies** who deliver electricity and gas from provider to user (e.g. National Grid)
- **service companies** who provide specialist services to businesses (e.g. oilfield service company Schlumberger) and
- **public bodies**, including the 41 agencies that work with the [Department for Business, Energy and Industrial Strategy](#) (BEIS).

Utilities

Utilities include:

- **regional water companies** (e.g. Thames Water)
- **waste management companies**, many of which manage recycling and other services (e.g. Veolia)
- **IT and telecommunications companies** (e.g. BT or Vodafone) – see our information sheet on the computing and IT sector for more on this area.

Key Resources

[Prospects.ac.uk job profiles in energy and utilities](#) – provides an overview of 19 different jobs specific to the energy and utilities sector, from roles as an energy manager and environmental consultant, to mining engineer or wellsite geologist. Each links to a detailed job profile including qualifications required, salaries and key websites for finding jobs and internships.

[Prospects.ac.uk overview of the energy and utilities sector](#) – including lists of main graduate employers.

[Gradcracker.com](#) – Science, Technology, Engineering and Maths site for graduate jobs, internships and placements – see [energy employers](#) and [utilities employers](#).

[Nucleargraduates.com](#) – a joint endeavor by organisations across the UK nuclear industry to recruit more graduates into two-year graduate schemes in a wide range of firms.

[Department for Business, Energy and Industrial Strategy](#) (BEIS) – information on the UK government department, including a list of the 41 other government agencies and public bodies that link with this area (including Ofgem, UK Atomic Energy Authority, the Committee on Fuel Poverty and the Oil and Gas

reading.ac.uk/careers

Authority). Jobs are generally advertised on the [Civildservicejobs.service.gov.uk](https://civildservicejobs.service.gov.uk) board, apart from the few agencies which are independent of government, which advertise jobs on their own websites.

[Renewableuk.com/page/careers](https://renewableuk.com/page/careers) – including job mapping tool and a specialist guide for work in offshore wind.

jobfinder.renewableuk.com – vacancies in the renewables industry.

[Greenjobs.co.uk](https://greenjobs.co.uk) – job site for green roles in energy and environment (try a search for graduate/junior/trainee under job function). Also hosts [specialist sub-sites](#) for SolarJobs, WaterJobs, WindJobs and more.

[Talentsourcenetwork.co.uk](https://talentsourcenetwork.co.uk) – collaboration between 27 energy and utilities companies to encourage careers in the sector. Useful careers information and job and internship opportunities.

[Energyjobline.com](https://energyjobline.com) – global energy jobs and opportunities board.

[Earthworks-jobs.com](https://earthworks-jobs.com) – international geological jobs board (which looks a little bizarre, but has good vacancies, including PhD opportunities. Use the basic search tool, or pick from a dazzling array of niche areas).

