DATADAPTIVE

Product Summary

UK Wind Energy Locations is a dataset that contains point locations for onshore and offshore wind energy projects with a capacity greater than or equal to 1MW.

The dataset is a lightly processed and geocoded extract from the UK Government's Renewable Energy Planning Database (REPD). This version is extracted from the April 2017 release published on 15 May 2017.

The dataset includes both operational projects and all projects that have applied for planning permission in the previous month or earlier. The point locations are attributed with a wide range of information on progress of the projects through the planning system.

The data is presented in three formats:

- an Excel workbook,
- an ESRI Shapefile suitable for use in GIS, and
- a KMZ file designed for use in Google Earth.

Re-use of the data is subject to the terms of the Open Government Licence. Please see the Underlying Data Products List for more details on the data source.

Data quality statement

Datadaptive has taken reasonable care in compiling and preparing the data. However the accuracy and currency of the data is dependent on the underlying data sources.

As noted in the GEOSRC field, latitude and longitude for each record was derived by transformation from the eastings and northings in the REPD data with the exception of three records that were geocoded manually. Eastings and northings were noticeably reversed in the REPD data for two records (REFID 5318 and 6235); this has been corrected in the Datadaptive dataset.

The REPD data does not contain any information on the positional quality of the point coordinates. However as this data is used in the planning process the quality should generally be robust.

Data formats

The data is supplied in a Microsoft Excel workbook, in unstyled ESRI Shapefile format with the WGS84 projection, and as a KMZ file.

Licensing

Re-use of the UK Wind Energy Locations data is subject to the terms of the Open Government Licence.

Attribution

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Pricing

Free

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File Specifications

UK Wind Energy Locations

File name: REPD_201704_WIND
Record count: 2,008
Geographic coverage: England, Scotland, Wales and Northern Ireland
File format: XLSX, SHP and KMZ

Below are a list of the data fields included in all three formats and a list of possible values in the DEVSTATUS field. These two lists are based mainly on REPD documentation and are also provided as additional sheets in the Excel workbook.

REPD is a general database of renewable energy projects and some fields may not be particularly relevant to wind energy projects.

Records in the KMZ file are sorted into four folders (Wind Onshore - Operational, Wind Onshore - Non-Operational, Wind Offshore - Operational, Wind Offshore - Non-Operational).

Field	Type	REPD Field	Section	Description
REFID	Integer	Ref ID	General Facility Details	The old reference ID associated with a project in a previous version of the REPD database
OLDREFID	Text	Old Ref ID	General Facility Details	Project reference ID number in REPD database
LASTUPDATE	Date	Record Last Updated (dd/mm/yyyy)	General Facility Details	Date a project record was last updated or checked
OPERATOR	Text	Operator (or Applicant)	General Facility Details	Name of operator or applicant
SITENAME	Text	Site Name	General Facility Details	Name of development site
TECHTYPE	Text	Technology Type	General Facility Details	Type of technology (e.g. solar photovoltaics, offshore wind etc.)
INSTCAP	Decimal	Installed Capacity (MWelec)	General Facility Details	Installed electrical capacity in megawatts (MW)
CHPENAB	Text	CHP Enabled	General Facility Details	Is the project capable of combined heat and power output
ROBAND	Text	RO Banding (ROC/MWh)	General Facility Details	Renewable Obligation Certificate banding (ROC/MWh)

FITTARIFF	Text	FiT Tariff (p/kWh)	General Facility Details	Feed-In Tariff (p/kWh)
CFDCAP	Text	CfD Capacity (MW)	General Facility Details	Contracts for Difference capacity (MW)
TURBCAP	Decimal	Turbine Capacity (MW)	General Facility Details	For windfarms, the individual capacity of each wind turbine in megawatts (MW)
TURBNUM	Integer	No. of Turbines	General Facility Details	For windfarms, the number of wind turbines to be located on the development site
TURBHT	Integer	Height of Turbines (m)	General Facility Details	For windfarms, the height of the wind turbines in metres (m)
MOUNTTYPE	Text	Mounting Type for Solar	General Facility Details	For solar PV developments, whether the PV panels are ground or roof mounted
DEVSTAT	Text	Development Status	Current Status	Current development status; see DEVSTAT table below for possible values
DEVSTATSHT	Text	Development Status (short)	Current Status	This is a description of the current status of the development in a more succinct form. For example, where a facility has obtained planning permission either directly from the Local Planning Authority, through an appeal, or from the Secretary of State, it is classified here as 'Awaiting Construction'. Where a development has been refused planning permission, either directly from the LPA, following an appeal, or from the Secretary of State, it is classified here as 'Application Refused'.
ADDRESS	Text	Address	Location Details	Site address of the development
COUNTY	Text	County	Location Details	District the development site is located within
REGION	Text	Region	Location Details	Region the development site is located within
COUNTRY	Text	Country	Location Details	Country the development site is located within
POSTCODE	Text	Post Code	Location Details	Post code of the development site
EASTING	Integer	X-coordinate	Location Details	X coordinate (Easting) for development site in British National Grid
NORTHING	Integer	Y-coordinate	Location Details	Y coordinate (Northing) for development site in British National Grid
PLANAUTH	Text	Planning Authority	Planning Details	The relevant local planning authority for the project
PLANAPPREF	Text	Planning Application Reference	Planning Details	The reference number associated with the planning application
APPEALREF	Text	Appeal Reference	Planning Details	The reference number associated with an appeal
SOSREF	Text	Secretary of State Reference	Planning Details	The reference number associated with a Secretary of State Intervention

SOSINTTYPE	Text	Type of Secretary of State Intervention	Planning Details	The type of Secretary of State of Intervention. This can be one of three types: recovery, call-in, or holding direction
JUDREV	Date	Judicial Review	Planning Details	The latest date of when a legal challenge has been launched to review the lawfulness of a planning application and/or appeal decision
OFFWINDRND	Text	Offshore Wind Round	Planning Details	Leasing round in which an offshore wind project was established
PLANAPPSUB	Date	Planning Application Submitted	Timeline	Date planning application was validated
PLANAPPWD	Date	Planning Application Withdrawn	Timeline	Date planning application was withdrawn
PLANPREFU	Date	Planning Permission Refused	Timeline	Date planning permission was refused
APPEALLODG	Date	Appeal Lodged	Timeline	Date an appeal was lodged
APPEALWD	Date	Appeal Withdrawn	Timeline	Date an appeal was withdrawn
APPEALREFU	Date	Appeal Refused	Timeline	Date an appeal was refused (dismissed)
APPEALGR	Date	Appeal Granted	Timeline	Date an appeal was granted (upheld)
PLANPGR	Date	Planning Permission Granted	Timeline	Date planning permission was granted by the planning authority
SOSINT	Date	Secretary of State - Intervened	Timeline	Date of a project that is 'Called In' by the Secretary of State
SOSREFU	Date	Secretary of State - Refusal	Timeline	Date planning permission was refused by the Secretary of State
SOSGR	Date	Secretary of State - Granted	Timeline	Date planning permission was granted by the Secretary of State
PLANPEXP	Date	Planning Permission Expired	Timeline	Date a planning permission expires (as per the planning decision)
UNDERCONST	Date	Under Construction	Timeline	Date construction on site has begun
OPDATE	Date	Operational	Timeline	Date a project become operational
LAT	Decimal	Latitude	Added by Datadaptive	Y-coordinate (Latitude) for development site in WGS84
LNG	Decimal	Longitude	Added by Datadaptive	X-coordinate (Longitude) for development site in WGS84
OPFLAG	Text	Operational Flag	Added by Datadaptive	Operational flag derived from OPDATE (Y = Yes, N = No)
GEOSRC	Text	Geocoding Source	Added by Datadaptive	Geocoding source (either REPD, NSPL or MANUAL)

Possible values in the DEVSTAT (Development Status) field:

Value	Description
No Application Required	A project that does not require planning permission has been announced by the developer
Planning Application Submitted	Planning application validated by planning authority
Planning Application Withdrawn	Planning application has been withdrawn by the applicant
Planning Permission Granted	Planning permission granted by planning authority
Planning Permission Refused	Planning permission refused by planning authority
Appeal Lodged	An appeal has been lodged by the applicant following a refusal of planning permission
Appeal Withdrawn	An appeal agaisnt a refusal of planning permission has been withdrawn
Appeal Refused	An appeal has been refused (dismissed) by the planning inspectorate, such that the original refusal remains
Appeal Granted	An appeal against a planning refusal has been granted (upheld) and planning permission is therefore granted
Secretary of State - Called In	A planning application has been called in by the Secretary of State such that the Secretary of State will determine whether planning will be granted or refused
Secretary of State - Refusal	The Secretary of State has refused planning permission after calling-in a planning application for review
Secretary of State - Granted	The Secretary of State has granted planning permission after calling-in a planning application for review
Under Construction	A project is under construction
Operational	A project is operational
Decommissioned	A project has been decommissioned and is no longer operating
Abandoned	Project has been abandoned by developer