

## 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 September 2017 release published on 12 October 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 two records that were geocoded manually. Eastings and northings were noticeably reversed in the REPD data for one record (REFID 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

## **Contact details**

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## **File Specifications**

## UK Wind Energy Locations

File name: REPD\_201709\_WIND  
 Record count: 2,020  
 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:

| <b>Value</b>                   | <b>Description</b>  |
|--------------------------------|---|
| 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 against 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   |