

MAPPING DATABASE OF WIND FARM PROJECTS IN NSW

Introduction

Enhar are pleased to present a professional grade comprehensive wind farm mapping database of NSW wind farm projects. The mapping database includes all operating, under construction and planned wind farm developments in NSW.

The map is in 'Google Earth' and shape file format and includes wind farm locations, turbine layout drawings (where available) and an outline of the project site boundaries. The database also includes a spreadsheet of detailed information.



Example of 'Google Earth' output, Capital Wind Farm-operating

As a professional involved in the wind energy industry, you will have a keen interest in knowing the precise location, size and ownership of all wind farm projects. Information can be collected from diverse online sources, but most sources are not quality controlled and it is time consuming to track down all the required information. Enhars wind farm mapping database presents the information in an easy to use, comprehensive package.

Product Features

The NSW mapping database includes

- Comprehensive, up to date database of all wind farm projects in NSW, Australia. Including all existing, under construction and planned wind farms.
- Accurate and verified project boundary co-ordinates and outlines supplied in Google Earth and shape file format compatible with GIS programmes
- Overlays of wind turbine location maps within the Google Earth format
- Comprehensive spreadsheet of detailed wind farm information, including wind farm capacity, number of turbines, project developer/owner and planning permit details
- Individual Wind turbine positions for existing and planned wind farm projects in Victoria are available, including turbine height dimensions
- A fully researched database which is updated on a quarterly basis

The database surpasses existing online sources due to the inclusion of comprehensive project location boundary data and turbine location map, and surpasses free sources which do not include co-ordinate details or accurate maps of project locations.



Example of the 'Google Earth' image, Black Springs Wind Farm approved

The Enhar wind farm map is complete and up to date, allowing you to

- instantly map all wind energy sites
- refine your site search and development plans
- complete your wind energy market research
- understand the future impact of wind farms on landscape accurately
- perform your spatial planning tasks

The wind farms are divided into the following categories:

- **Operating**—wind farms in current operation
- **Under Construction** – wind farms currently under construction
- **Approved**— wind farms which have been approved by the Department of Planning NSW.
- **Proposed** – wind farms that have applied for planning permits to the Department of Planning NSW
- **Feasibility** – wind farms in feasibility phase are included in the spreadsheet only. Reliable, accurate and detailed information for feasibility stage wind farms are often not publicly available. The wind farms in feasibility stage have been sourced from extensive internet searching and the information is not considered to be reliable or accurate.

Usage of Sensitive Data

We respect the confidentiality of industry-sensitive information. Therefore, the 'Google Earth' map does not include sites which are under investigation by developers for which a planning application has not been lodged with the planning authority to date. The sites which are included in the Google Earth Map are therefore the more advanced projects, with information already announced into the public domain. These are therefore the most relevant sites to assess of the future wind energy landscape.

Purchase Information

The purchase of the NSW Wind Farm Mapping data base includes:

- Database geographic data in Google Earth and GIS compatible format
- Database spreadsheet incorporating comprehensive information regarding the wind farm.

The current version of the database is up to date at 7 March, 2011.

Quarterly updates will be available for purchase on 1 June, 1 September and 1 January.

To purchase the current version of the NSW wind farm mapping database please contact:

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License Information

We have provided two licensing options for the data

Universal License: Allowing your organisation unlimited use of the database and map both internally within your organization plus publishing of the images from the map on your website.

Local License: Allowing your organisation unlimited use of the database and map internally within your organization only.

Current Wind farms on NSW wind farm map

Wind Farm	Status	Location
Blayney Wind Farm	Operating	South of Orange
Crookwell Wind Farm	Operating	41km northwest of Goulburn
Capital Wind Farm	Operating	West of Tarago
Koorangang Wind turbine	Operating	Newcastle
Hampton Wind farm	Operating	
Cullerin Range Wind Farm	Operating	12 km East of Gunning
Crookwell 2 Wind Farm	Under Construction	Northwest of Goulburn
Woodlawn Wind Farm	Under Construction	14 km North of Bungendore
Gunning Wind Farm	Under Construction	15 km north-east of Goulburn
Black Springs Wind Farm	Approved	Black Springs
Boco Rock Wind Farm	Approved	10 km south-west of Nimmitabel
Conroys Gap Wind Farm	Approved	17 km west of Black Range Road
Glen Innes Wind Farm	Approved	12 km west of Glen Innes
Gullen Range Wind Farm	Approved	Kialla, Bannister, Pomeroy and Gurrundah
Silverton Wind Farm	Approved	Far Western NSW
Taralga Wind Farm	Approved	
Ben Lomond Wind Farm	Approved	Ben Lomond
Box Hill Wind Farm	Proposed	Armidale
High Fields Wind Farm	Proposed	N of Armidale
Collector Wind Farm	Proposed	35 km south-west of Goulburn
Crookwell 3 Wind Farm	Proposed	17 km south-east of Crookwell
Kyoto Energy Park	Proposed	Scone
Paling Yards Wind Farm	Proposed	60 km south of Oberon, Arkston
Sapphire Wind Farm	Proposed	18 km west of Glen Innes
Capital II Wind Farm	Proposed	15 km west of Tarago
Adjungbilly Wind Farm	Proposed	22 km north-east of Gundagai
Birrema Wind Farm	Proposed	8 km south of Bookham
Bodangora Wind Farm	Proposed	15 km north-east of Wellington
Flyers Creek Wind Farm	Proposed	20 km south of Orange
Rugby Wind Farm	Proposed	50 km north of Yass
Rye Wind Farm	Proposed	15-40km north of Yass
Yass Valley Wind Farm	Proposed	Glen Innes
White Rock Wind Farm	Proposed	15 km west of Glen Innes
Badangora Wind Farm	Proposed	15 kilometres north-east of Wellington

Feasibility stage wind farms have not been included.