
South African Renewable Energy EIA Application Database

Metadata Date Stamp:
05 July 2018

DATASET DESCRIPTION

Dataset Title: *REEA_OR_2018_Q2.shp*
South African Renewable Energy EIA Application Database

Dataset Reference Date:
05 July 2018

Data quality:
Moderate –some errors will exist and not all applications will be inventoried due to the availability of official documentation. Data is generally current as of 05 July 2018

*Dataset Responsible Party:
Department of Environmental Affairs - Director Enterprise Geospatial Information Management

*Geographic Location of the Dataset:
RSA
West 16.452278
East 38.011607
North -22.329087
South -46.980340

Keywords:
South African Renewable Energy, Environmental Impact Assessment Applications

Dataset Language:
English

Dataset Character Set:
N/A

Dataset Topic Category:
004 = ClimatologyMeteorologyAtmosphere (ISO 19115 Topic category)

*Spatial Resolution of the Dataset:
1:5 000

Generic data release classification:

Release classification	Description	Time frame	Example
<i>DR</i>	<i>Draft Release</i>	<i>Release of data in a beta version for comment. An additional version description is added to the title.</i>	<i>REEA_DR_2018_Q1</i>
<i>OR</i>	<i>Official Release</i>	<i>If required data can be released within the following release schedule:</i> Quarter 1 Data additions for the period 19 December 2018 – 30 March 2018 Quarter 2 Data additions for the period 31 March 2018 – 29 June 2018 Quarter 3 Data additions for the period	<i>REEA_OR_2018_Q1</i> <i>REEA_OR_2018_Q2</i> <i>REEA_OR_2018_Q3</i>

		30 June 2018 – 28 September 2018 Quarter 4 Data additions for the period 29 September 2018 – 14 December 2018	REEA_OR_2018_Q4
IR	Incremental Release	Any release of data between OR periods. An additional version description is added to the title.	REEA_IR_2018_Q2-01
SR	Special Release	Any Project specific release.	REEA_SR_2018_Q2-01

Citation:

Citation Information:

Originator: *Department of Environmental Affairs*

Publication Date: *10 July 2018*

Title: *Renewable Energy EIA Application Database*

Geospatial Data Presentation Form: *Vector digital data*

Other Citation Details: *The South African Renewable Energy EIA Application Database is provided for download as a zip file containing shape files for renewable energy EIA applications.*

Online Linkage: *<http://egis.environment.gov.za/frontpage.aspx?m=27>*

Abstract:

The South African Renewable Energy EIA Application Database contains spatial data for renewable energy applications for environmental authorisation. It includes spatial and attribute information for both active (in process and with valid authorisations) and non-active (lapsed or replaced by amendments) applications. Data is captured and managed on a parcels level as well as aggregated to the project level. Only outer boundaries are provided in this release.

Purpose:

To produce and maintain a comprehensive spatial database on renewable energy EIA applications in South Africa. The database is suitable for a wide range of planning, assessment, analysis and display purposes. This database should not be used for legal or other specific government actions. Read the Data Disclaimer for more information.

Supplemental Information:

This database is a product that is extracted predominantly from official EIA project documentation. The descriptions given in the relevant EIA project documentation was used to capture the geometry of the EIA applications and to update the required attributes of the relational geo-database.

As far as possible the geometry of the EIA applications are captured and maintained based on the register of the surveyed property boundaries in the country, as captured by the Surveyor General's Offices. In some instances where property boundaries were not obtainable EIA applications were mapped around a project centre point. Further verification is still required to resolve the inaccuracies of these entries.

In preparation of the data release the farm portions are also dissolved and the outlines of the EIA applications are provided in the data package.

***Lineage Statement:**

This database was originally developed from a DEA internal database containing environmental applications for renewable energy developments based on the SEA project for Renewable Energy updated to December 2013.

From December 2013 to 18 January 2018 the information extracted from these databases were verified and supplemented with official environment application documentation where available, such as application forms, EIA reports, Environmental Authorisations, and lapse letters. Such documentation was primarily provided by DEA. In cases where documentation was not available from DEA it was sourced from project websites. In some instances where official documentation was not available from DEA applicants or their consultants were also contacted to obtain or verify information. There are 34 amendments added and 12 new application captured, see ANNEXURE A with details of records.

ATTRIBUTE INFORMATION

Attribute Description:

Field name	Alias Name	Data Type	Description	Example
DEA_REF	Project Reference	String	Project reference number assigned to the project by the competent authority	12/12/20/1972/1
NEAS_REF	NEAS Reference Number	String	DEA application database (NEAS) reference number	DEA/EIA/0000708/2011
REGULATION	Regulation	String	The procedure and criteria followed as contemplated in Chapter 5 of NEMA 107/1998 relating to the submission, processing and consideration of, and decision on, applications for environmental authorisations	2010
EIA_PROCESS	Environmental Authorisation Process	String	Process followed (i.e. BAR or S&EIA) is indicated in this field	BAR
O_TITLE	Project Title	String	Project title as provided through the environmental assessment process. In the case of projects with preferred bidder status the project titles were updated with the bid title.	Longyuan Mulilo De Aar Maanhaarberg Wind Energy Facility
APP_RECEIV	Application Received	Date	Date on which the project or amendment application was received by DEA	2012/04/01
APPLICANT	Environmental Authorisation Holder	String	Legal entity that is applying for, or already holds the environmental authorisation	Mulilo Renewable Energy (Pty) Ltd
EAP	Environmental Assessment Practitioner	String	Consultant that managed the environmental assessment process	Savannah Environmental Consultants Pty Ltd
LOCAL_MUN	Local Municipality	String	Local municipality in which application is situated	Sol Plaatjie Local Municipality
DISTRICT_M	District Municipality	String	District municipality in which application is situated	Francis Baard
PROVINCE	Province	String	Province in which application is situated	Eastern Cape
TECHNOLOGY	Technology	String	Renewable energy technology type applied for	Solar PV
MEGAWATT	Megawatt	Integer	Megawatt installed capacity applied for	100
PROJ_STATUS	Project Status	String	EIA application status. Preferred bidders for rounds 1, 2 and 3 are indicated by "PB_R1", "PB_R2" and "PB_R3", respectively	Approved

Please note that attribute description "To Review" indicate a gap in the attribute data. These attributes will be amended as the required information is obtained.

SUPPLEMENTARY INFORMATION

The Supplementary information will be available from www.egis.environment.gov.za at the end of the SEA project as well as on the map service:

<https://dea.maps.arcgis.com/apps/webappviewer/index.html?id=b8452ef22aeb4522953f1fb10e6dc79e>

Email address for any correspondence and comments: Reapplicationmap@environment.gov.za

DATA MAINTENANCE

Dataset last updated:

03 July 2018

Time Period of Content:

(The period for which applications were included):

Beginning date: 2003-02-18 start of RE EIA applications in South Africa

Ending date: 2018-01-18

Progress:

In Progress

This is the official release (REEA_OR_2018_Q2) for quarter 2 of 2018 and excludes some application and attributes for which data could not be obtained. These applications will be systematically verified and added to the database in subsequent releases.

Maintenance and update frequency:

The database is continuously being updated as EIA application data becomes available.

DISTRIBUTION AND CONSTRAINTS

On-line Resource:

www.egis.environment.gov.za

*Distribution Format:

ArcGIS 10.5 Shapefile (shp) file format

Access constraints:

The data can be obtained from The Department of Environmental Affairs EGIS website

www.egis.environment.gov.za. *The department must be acknowledged in the use of the data.*

Distribution constraints:

Use limitations:

Please refer to the License Agreement. The user shall not sell or license the digital maps or the associated spatial data. The Department of Environmental Affairs cannot give any warranty on the accuracy of the map. The Department of Environmental Affairs shall in no way be liable for results related to the use of these maps. Users of these digital maps must acknowledge the copyright for the digital map. Source: Department of Environmental Affairs.

The quality statement refers that this dataset is still under development and that this beta release provided to stakeholders for comment.

METADATA INFORMATION

Metadata Point of Contact:

Director: Enterprise Geospatial Information Management

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Additional Extent information for the Dataset (Vertical & Temporal):

N/A

***Spatial Representation Type:**

Vector –Polygon

***Reference System:**

*Projection: Geographic
Coordinate Reference: WGS_Hartebees_1994
Datum: Hartebeeshoek_1994*

***Metadata File Identifier:**

REEA_OR_2018_Q2.pdf

Metadata Standard Name:

SANS 1878

Metadata Standard Version:

SANS 1878-1:2005

***Metadata Language:**

English

***Metadata Character Set:**

US-Ascii

ANNEXURE A: QUARTER 2 UPDATES

New Renewable Energy Applications

PRJ_REF (Project Ref)	PRJ_TITLE (Project Title)	EA_PROCESS (Environmental Authorisation Process)
12/12/20/2211	Acceptance of scoping report for the proposed development of the Aberdeen 200MW wind farm west of Aberdeen, Eastern Cape	Scoping and EIA
12/12/20/2251/1/AM2	Amendment for the construction of the 75MW Photovoltaic facility on the farm Platfontein No 68, Northren Cape	Scoping and EIA

14/12/16/3/3/2/404	The Proposed Renosterberg Wind Energy Facility Near De Aar, Northern Cape	Scoping and EIA
14/12/16/3/3/2/696	Kotulo Tsatsi Energy (Pty) Ltd	Scoping and EIA
14/12/16/3/3/2/768	EA for the Kronos Solar Farm 1 for 100MW Kronos Photovoltaic Solar Energy Facilities on Portion 6 of the Farm Nelspoortje, Northern Cape Province	Scoping and EIA
14/12/16/3/3/2/769	EA for the Kronos Solar Farm 2 for 100MW Kronos Photovoltaic Solar Energy Facilities on Portion 6 of the Farm Nelspoortje, Northern Cape Province	Scoping and EIA
14/12/16/3/3/2/770	EA for the Kronos Solar Farm 3 for 100MW Kronos Photovoltaic Solar Energy Facilities on Portion 6 of the Farm Nelspoortje, Northern Cape Province	Scoping and EIA
14/12/16/3/3/2/974	The 75MW Tlisitseng PV1 SEF and its associated infrastructure near Lichtenburg, Ditsobotla LM, NW Province	Scoping and EIA
14/12/16/3/3/2/975	The 75MW Tlisitseng PV2 SEF and its associated infrastructure near Lichtenburg, Ditsobotla LM, NW Province	Scoping and EIA
14/12/16/3/3/2/981	The 1500MW Atlantis Gas Power Facility within the Atlantis IDZ in Western Cape	Scoping and EIA
14/12/16/3/3/2/981	The 1500MW Atlantis Gas Power Facility within the Atlantis IDZ in Western Cape	Scoping and EIA
14/12/16/3/3/2/996	The Proposed 75 MW Colett Photovoltaic Solar Energy Facility on the Remainder of the Farm Brakke Kuilen no. 180 and the Farm Harmsfontein no. 335 East of the Town of Middelburg within the Inxuba Yethemba Local Municipality.	Scoping and EIA

Amendments of Renewable Energy Applications

PRJ_REF (Project Ref)	PRJ_TITLE (Project Title)	EA_PROCESS (Environmental Authorisation Process)
12/12/20/1783/2/AM3	Proposed development of a renewable Energy facility at Perdekraal, Western Cape - Split 1	Amendment
12/12/20/1859/AM3	Proposed Gouda Wind Energy Facility and Associated infrastructure	Amendment
12/12/20/2024/1/1/AM6	Construction of 75MW PV on portion 1 of the farm Droogfontein , Northren Cape	Amendment
12/12/20/2025/2/AM3	The Construction Of A Photovoltaic (Pv) Plant On Portion 29 Of The Farm Paarde 145, De Aar Within Emthanjeni Local Municipality, Northern Cape Province	Amendment
12/12/20/2252/1/AM3	The proposed 50MW Metsimatala PV facility on the farms in Postmansburg within Tsantsabane Local Municipality, NC	Amendment
12/12/20/2320/2/AM1	Construction of a 40MW Solar Photovoltaic Facility on Mierdam Farm near Prieska, within the Siyathemba Local Municipality in the Northern Cape Province	Amendment
12/12/20/2320/2/AM2	Construction of a 40MW Solar Photovoltaic Facility on Mierdam Farm near Prieska, within the Siyathemba Local Municipality in the Northern Cape Province	Amendment
12/12/20/2320/4/AM1	Construction of a 75MW Solar Photovoltaic Facility on the eastern portion of the Platsjambok Farm (Platsjambok East) near Prieska, within the Siyathemba Local Municipality in the Northern Cape Province	Amendment
12/12/20/2320/4/AM2	Construction of a 75MW Solar Photovoltaic Facility on the eastern portion of the Platsjambok Farm (Platsjambok East) near Prieska, within the Siyathemba	Amendment

	Local Municipality in the Northern Cape Province	
12/12/20/2320/5/AM1	Construction of a 75MW Solar Photovoltaic Facility on the western portion of the Platsjambok Farm (Platsjambok West) near Prieska, within the Siyathemba Local Municipality in the Northern Cape Province	Amendment
12/12/20/2320/5/AM2	Construction of a 75MW Solar Photovoltaic Facility on the western portion of the Platsjambok Farm (Platsjambok West) near Prieska, within the Siyathemba Local Municipality in the Northern Cape Province	Amendment
12/12/20/2321/2/AM3	The Construction Of A 100mw Photovoltaic (Pv) Solar Farm Near Loeriesfontein, Northern Cape Province	Amendment
12/12/20/2513/1/AM3	The Construction Of The Kabi Vaalkop Photovoltaic Facility, Substation And Powerlines Near Orkney, North West Province	Amendment
12/12/20/2513/3/AM3	The Construction Of The Kabi Vaalkop Photovoltaic Facility, Substation And Powerlines Near Orkney, North West Province	Amendment
12/12/20/2537/AM1	Construction Of 25 Mw Photovoltaic Power Plant On Portion 64 (A Portion Of Portion 1) Of The Farm Waterval 174 Iq Near Krugersdorp Within Mogale City Local Municipality In Gauteng Province	Amendment
12/12/20/2539/AM1	Construction Of 70mw Photovoltaic Power Plant On Portion 57 (A Portion Of Portion 1) Of The Farm Waterval 174 Iq Near Krugersdorp Within Mogale City Local Municipality In Gauteng Province	Amendment
12/12/20/2636/AM5	Proposed Orlight SA solar PV plant on Portion 1 of the Farm Graafwater 97 RD and the remaining extent of the Farm Bueroskraal No. 220, near Graafwater in the West Coast	Amendment

	District Municipality, Western Cape	
12/12/20/2645/AM3	The 40mw Greefspan Pv Power Station And Associated Infrastructure, Douglas, Northern Cape Province	Amendment
14/12/16/3/3/1/1551/AM3	19.9 MW Expansion of the Waterloo Photovoltaic Solar Energy Facility on the Farm Waterloo 992 South East of the Town of Vryburg within the Naledi Local Municipality	Amendment
14/12/16/3/3/1/477/AM2	Proposed construction and operation of the Genoegsaam solar photovoltaic power plant, Eastern Cape	Amendment
14/12/16/3/3/1/721/AM1	Proposed small scale Hydroelectric Scheme on Mzimkhulu River, Ubuhlebezwe Local Municipality, KwaZulu-Natal	Amendment
14/12/16/3/3/2/258/1/AM4	The Construction Of Hertzogville photovoltaic 2 solar facility and associated infrastructure phase 1 on the remainder of the Albert Farm, Free State Province	Amendment
14/12/16/3/3/2/448/1/AM1	Proposed Bloemhoek 75MW Solar Energy Facility near aggeneys	Amendment
14/12/16/3/3/2/579/1/AM1	Proposed Bosjesmansberg solar energy facility site near Copperton, Siyathemba Local Municipality, Northern Cape	Amendment
14/12/16/3/3/2/579/AM1	Proposed Bosjesmansberg solar energy facility site near Copperton, Siyathemba Local Municipality, Northern Cape	Amendment
14/12/16/3/3/2/586/AM3	Proposed 75MW renewable energy solar facility and associated infrastructure on Farm Kruisriver, Zeerust, Ngaka Modiri Molema District Municipality, North West	Amendment
14/12/16/3/3/2/599/AM3	Proposed Wolf Wind Energy Facility Near Wolwefontein Eastern Cape	Amendment

14/12/16/3/3/2/599/AM3	Proposed Wolf Wind Energy Facility Near Wolwefontein Eastern Cape	Amendment
14/12/16/3/3/2/599/AM4	Proposed Wolf Wind Energy Facility Near Wolwefontein Eastern Cape	Amendment
14/12/16/3/3/2/599/AM4	Proposed Wolf Wind Energy Facility Near Wolwefontein Eastern Cape	Amendment
14/12/16/3/3/2/961/AM1	EA for The 160 MW Hartebeest WEF and its associated infrastructure near Moorreesburg, Swartland LM, WC Province	Amendment
14/12/16/3/3/2/974/AM1	The 75MW Tlisitseng PV1 SEF and its associated infrastructure near Lichtenburg, Ditsobotla LM, NW Province	Amendment
14/12/16/3/3/2/975/AM1	The 75MW Tlisitseng PV2 SEF and its associated infrastructure near Lichtenburg, Ditsobotla LM, NW Province	Amendment