

Half yearly reporting requirements under the *Hydrogen and Renewable Energy Act 2023*

This information sheet provides guidance on the half yearly reporting requirements under the *Hydrogen and Renewable Energy Act 2023* (HRE Act), *Hydrogen and Renewable Energy Regulations 2024* (HRE Regulations) and the relevant determination.

LEGISLATIVE REQUIREMENTS

Section 46 of the HRE Act is the enabling provision of the HRE Act for the provision of reports, information or material.

In accordance with section 46(1), it is a condition of each licence and permit granted under the HRE Act that the licensee or permit holder must at prescribed times, or at any other time on the written request of the Minister, provide a report, information or material that is relevant to authorised operations in accordance with the requirements prescribed by the HRE Regulations.

Regulation 27 prescribes the requirement for half yearly reporting relating to the generation of:

- Renewable energy resources, and
- Hydrogen and compounds of hydrogen.

Licensees and permit holders should familiarise themselves with section 46, regulation 27 and the relevant determination to understand the Minister's powers and the licensee and permit holder's obligations, related to:

- provision of reports and other information
- keeping of reports, information or material required to be provided under this section
- the Minister's use of information provided
- constraints on the Minister on releasing reports
- verification of information provided.

DATA TO BE CAPTURED

Renewable Energy Resource Data

A renewable energy resource data report (RERD) is a report of the attributes of a renewable energy resource measured in a manner determined by the Minister.

Application of reporting requirement

The requirement to submit a half yearly RERD report applies to the holders of:

- Renewable energy feasibility permit
- Renewable energy feasibility licence
- Renewable energy infrastructure licence
- Special enterprise licence

Note schedule 1 to the HRE Regulations expands the application of section 46 to also apply to renewable energy feasibility permits.

In the case of a special enterprise licence, the half yearly reporting requirement would only apply to the extent the licence authorises the exploitation of renewable energy resources.

Determined requirements

The Minister has determined the manner in which renewable energy resource data will need to be captured and reported in a RERD report is as follows for each of the renewable energy resource types shown.

NOTE: At present the data capture and reporting requirements have only been determined for the following renewable energy resources:

- light or heat from the sun (solar resource)
- wind or air flow (wind resource)

The determination and this information sheet will be updated as requirements for other renewable energy resource types are determined.

Wind resource data

For the purposes of reporting wind resource data, the licensee or permit holder should capture the information prescribed in Table 1 during each 6-month period.

The renewable energy resource data captured for each geospatial location, is to be reported in the RERD report as per the requirements set out in Table 2.

Solar resource data

For the purposes of reporting solar resource data, the licensee or permit holder should capture the information prescribed in Table 3 during each 6-month period.

The renewable energy resource data captured for each geospatial location, is to be reported in the RERD report as per the requirements set out in Table 4.

Table 1 *Wind data capture requirements.*

Data type	Measure
Geospatial location of data capture	GDA2020 and height above ground
Wind speed (measured at various heights)	Metres per second (m/s)
Wind direction	Prevailing wind direction
Wind rose diagrams (visual representation of wind speed and direction)	Wind speed and direction over the reporting period

Table 2 *Form of wind data reporting.*

Format	Measure
Time series data	Monthly max, min and average
Data format	CSV, TXT, or Excel files

Table 3 *Solar data capture requirements.*

Data type	Measure
Geospatial location of data capture	GDA2020 and height above ground
Solar irradiance (daily min, max and average)	Watts per square metre (W/m ²)
Temperature (at recording)	degrees Celsius (°C)
Relative humidity (at recording)	Percentage (%)

Table 4 *Form of solar data reporting.*

Format	Measure
Time series data	Monthly max, min and average
Data format	CSV, TXT, or Excel files

Hydrogen and compounds of hydrogen data

Regulation 27(3) of the HRE Regulations establishes the requirement for the daily quantity of hydrogen and compounds of hydrogen generated to be reported in a half yearly report.

Determined requirements

The Minister has determined the manner in which the daily quantity of hydrogen or hydrogen compounds generated is to be expressed in the half yearly report is as follows:

Recording of the amount generated shall be provided as per Table 5

Data is to be captured in the formats prescribed in Table 6

Designated data capture period

Data provided in a RERD report is that captured within each period of 6 months after the day on which a permit or licence is granted.

For example, if the licence or permit is granted on the 5 February 2025 the two periods within the licence year that will be reported on will be as follows:

- the first reporting period after licence grant is 6 February to 5 August 2025
- the second reporting period is 6 August 2025 to 5 February 2026.

Table 5 Production data.

Data type	Measure
Produced hydrogen	Kilograms per day (kg/day)
Produced compounds of hydrogen	Kilograms per day (kg/day)

Table 6 Data capture formats.

Format	Measure
Data format	CSV, TXT, or Excel files

SUBMISSION OF HALF YEARLY REPORTS

Half yearly reports are to be lodged as follows.

Determined Requirements

The HRE Act requires the Minister to determine the manner and form for how the report must be provided and expressed (as per refer regulation 27(4)).

To be compliant, the half yearly report is to be provided to the Minister and expressed as follows:

- by letter addressed to the Minister for Energy and Mining, which includes:
 - contains the following licence/permit holder details
 - name(s) (company and/or individual)
 - ABN/ACN (if applicable)
 - registered address
 - details for a person to be contacted about the report (including postal address, email, phone number(s))
- identifies the licence or permit to which the half yearly report relates"
- identifies the prescribed period to which the half yearly report relates"
- is accompanied by the relevant half yearly report:
 - renewable energy resource data report as required under regulation 27(2) of the HRE Regulations, or
 - report of the daily quantity of hydrogen and/ or compounds of hydrogen generated as a result of authorised operations required under regulation 27(3) of the HRE Regulations
 - prepared in accordance with the requirements of the HRE Regulations and determination

with all documentation to be:

- provided in electronic format (PDF format or equivalent), and
- submitted via email to DEM.Compliance@sa.gov.au.

FOLLOWING SUBMISSION

Review for compliance

Following submission, the report will be reviewed for compliance with the requirements of the HRE Act. As a result, the Minister may seek amendments and resubmission of a report.

Provision of further information

Also for noting, the Minister has powers under section 46 to require the following in relation to the report provided:

- a report verifying information or material may need to be provided to the Minister by the licensee or permit holder (section 46(4))
- verification provided by a qualified independent person of a report, and information or material (section 46(5))

with costs borne by the licence or permit holder.

RECORD KEEPING AND RELEASE OF DATA

Keeping of records by the licensee or permit holder

As per regulation 29, all half yearly reports must be kept in electronic form for the period the licence or permit holder (the holder) holds the relevant licence or permit. This period is extended for the period in which the holder holds any other licence or permit in respect of the same area. This requirement transfers to a person to whom the licence or permit is transferred or assigned.

Conditions on release of data by Minister

While section 46(3) enables the Minister to retain, use or release a report, this is in accordance with the requirements prescribed in the regulations.

In the case of half yearly reports, regulation 27(5)(a) prevents public release of the report while the holder of the licence or permit holds a licence or permit over the same area.

In accordance with regulation 27(5)(b) and 27(6), the Minister may make the report or information or material in the report publicly available in an aggregate form. This will only be done after consultation with the licensee or permit holder, and ensuring that any commercially sensitive information is not made public.

FURTHER INFORMATION, LODGEMENT AND REPORTING

DEM can be contacted about licensing and approval requirements, lodgement of documents for approvals and meeting of reporting obligations as per the following:

DEM Energy Licensing: DEM.ERDLicensing@sa.gov.au

- Enquiries about, and applications for the approval of, licences and permits
- Licence reporting obligations (Part 5 of regulations, excluding incident reports)

Note: Reports and data submissions must be made to DEM.Compliance@sa.gov.au

- **DEM Energy Regulation:** DEM.EnergyRegulation@sa.gov.au
- Enquiries about, and applications for the approval of:
 - consultation plans
 - statements of environmental objectives and environmental impact reports
 - operational management plans
- Incident reporting (regulation 30)

General information on the HRE Act is also be found at:

www.energymining.sa.gov.au/industry/hydrogen-and-renewable-energy/hydrogen-and-renewable-energy-act

08/08/2025-206030

FURTHER INFORMATION

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Disclaimer. While every attempt has been made to ensure that the information in this document is accurate, the requirements for individual circumstances may vary. As such this document should be used for guidance purposes only. Applicants are advised to seek independent advice tailored to their individual circumstances to ensure they identify and address, where applicable, Federal, state and local government approvals required for their specific project.

ACKNOWLEDGEMENT OF COUNTRY

As guests on Aboriginal land, the Department for Energy and Mining (DEM) acknowledges everything this department does impacts on Aboriginal country, the sea, the sky, its people, and the spiritual and cultural connections which have existed since the first sunrise. Our responsibility is to share our collective knowledge, recognise a difficult history, respect the relationships made over time, and create a stronger future. We are ready to walk, learn and work together.



Government
of South Australia

Department for
Energy and Mining