

Integrated Resource Providers in the NEM

Fact Sheet

This fact sheet provides a simplified explanation of the Integrated Resource Provider registered participant category in the National Electricity Market (NEM) as at June 2024. It looks at the pathways for an Integrated Resource Provider to register and the activities that it may undertake once registered.

While AEMO has taken all reasonable care in the preparation of this document, the information should not be construed as advice, and you should consult your legal and regulatory teams before you rely on this information.

If you intend to register as an Integrated Resource Provider (IRP) within the NEM, you will need to read and understand the National Electricity Rules (NER) and associated procedures, guidelines and standards relevant to this registration category and the activities it can undertake including classification, connection, registration and ongoing operational and regulatory requirements.

This fact sheet will not give you all the information you need to register and operate successfully. You can get more information on Integrated Resource Providers and registration from the AEMO [Guide to Registration Exemptions and Production Unit Classification](#) and registration [fact sheets](#) including those covering hybrid systems and battery systems

Integrated Resource Provider Category

A person can become an integrated resource provider through the following pathways.

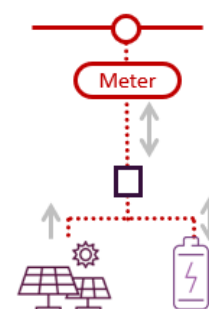
- Register as an Integrated Resource Provider and, subject to AEMO’s approval, classify generating units in a generating system. This is the same activity as a Generator.
- Register as an Integrated Resource Provider and, subject to AEMO’s approval, classify bidirectional units, generating units and load in an integrated resource system. No other registration category can do this.
- Register as an Integrated Resource Provider with the intention of classifying market connection points. This is the same activity as a Market Customer
- Register as an Integrated Resource Provider with the intention of classifying small resource connection points. This type of Integrated Resource Provider has the label Small Resource Aggregator. A Small Resource Aggregator may only classify small resource connection points. This activity can be conducted by Integrated Resource Providers and Market Customers.

Frequently Asked Questions

When do I have to register as an Integrated Resource Provider?

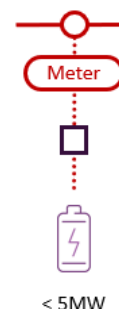
If your system is 5MW or more and there is consumption at the connection point that is not auxiliary load then you are connecting an integrated resource system and must register as an Integrated Resource Provider. Consumption for battery charging does not qualify as auxiliary load.

Integrated Resource System



If you want to classify small resource connection points that only have small generating units or small bidirectional units at the connection point, and you do not want to classify market connection points with customer load or hold a retail licence, you must register as an Integrated Resource Provider, Small Resource Aggregator.

Small Resource Connection Point

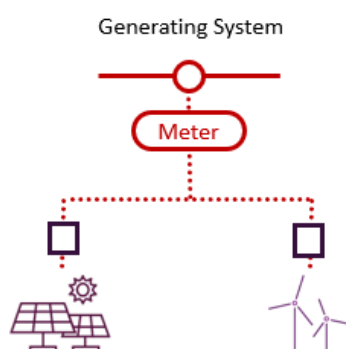


Integrated Resource Providers in the NEM

Fact Sheet

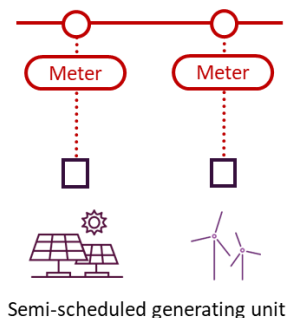
Why would I register as an Integrated Resource Provider rather than a Market Generator?

If you are connecting a generating system to the national grid you may choose to register as a Market Generator or an Integrated Resource Provider.



There is no difference between these options with respects to the operation and financial arrangements under the NER. However, an Integrated Resource Provider may classify further market connection points under the Integrated Resource Provider category that a Market Generator cannot.

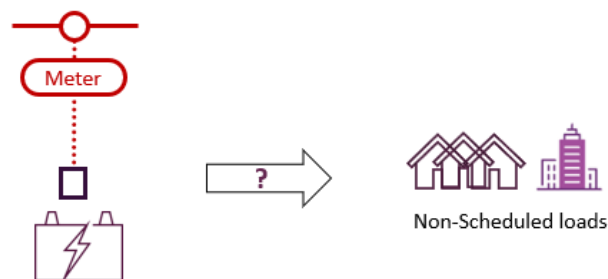
I have registered as an Integrated Resource Provider and classified generating units in a generating system - what other activities can I do?



As an Integrated Resource Provider that has classified market generating units you are in a registration category under the NER that may classify:

- Market connection points, for example, commercial, industrial or domestic loads
- Small resource connection points, for example, < 5MW battery.

I have registered as an Integrated Resource Provider and classified bidirectional units in an integrated resource system. What do I need to do to classify market connection points with small customer load?

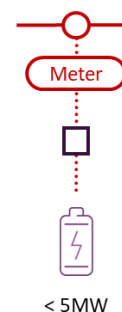


Scheduled bidirectional unit

You do not need to register with AEMO in a new category to classify customer market connection points. As an Integrated Resource Provider you may classify market connection points that do not require AEMO's classification approval through MSATS.

Registration is not your only consideration before you classify connection points. You must meet all jurisdictional requirements. For example, it is likely that you will need a retail licence to classify customer market connection points.

I am a retailer registered with AEMO as an Integrated Resource Provider to classify market connection points. Can I classify small resource connection points?



Yes. Market Customers and Integrated Resource Providers can classify market connection points as small resource connection points through MSATS. You should use the NMI classification code NREG to identify that you only have a small

Integrated Resource Providers in the NEM

Fact Sheet

generating unit or small bidirectional unit at the connection point.



Registration is not your only consideration before you classify connection points. You must meet all jurisdictional and NSP connection requirements. For example, in SA there is an Electricity Distribution Code that may apply.

I have registered with AEMO as an Integrated Resource Provider, Small Resource Aggregator. Can I classify market connection points with customer load?

Small Resource Connection Point



No. An Integrated Resource Provider, Small Resource Aggregator can only classify small resource connection points as its market connection points. If you want to classify customer market connection points you must register with AEMO as an Integrated Resource Provider or Market Customer.

I have registered with AEMO as an Integrated Resource Provider or an Integrated Resource Provider Small Resource Aggregator can I classify Ancillary Service Units?



Yes. If you can meet the [Market Ancillary Services Specification](#) with the plant at the market connection points you have classified you are eligible to classify ancillary service units.

You need to apply to AEMO to provide market ancillary services using the appropriate application forms on the AEMO website.

I have registered with AEMO as an Integrated Resource Provider but I cannot classify market customer connection points in MSATS. What is happening?

An Integrated Resource Provider that registers with AEMO to classify customer market connection points will have full access to MSATS retail systems.

To ensure an Integrated Resource Provider that has registered with respects to a generating system, an integrated resource system or small resource connection points, does not unintentionally classify a customer's market connection point prior to gaining the required jurisdictional licence to do so, AEMO has implemented a restriction on MSATS classification.

If you have secured the required jurisdictional licence and wish to classify customer market connection points you need to contact the Support Hub to organise for the system restriction to be removed.

An Integrated Resource Provider, Small Resource Aggregator, wishing to classify market connection points, other than small resource connection points, must register in an Integrated Resource Provider category that is allowed to do so.

What registration fee will I have to pay if I apply to register as Integrated Resource Provider?

Registration fees for IRPs will be considered through consultation on the NEM participant fee structure in 2025-2026. In the interim, IRP applicants will incur the registration fees relevant to the type of unit they are connecting to the NEM or role they are undertaking. This will be discussed with connecting applicants upon receipt of their application.

Please see the [AEMO Budget and Fees](#).

Examples:

- If you apply to Register as an Integrated Resource Provider and classify generating units in a generating system you will be charged the registration fee that reflects the classification of the generating unit, e.g. Scheduled Market Generator, Semi Scheduled Market Generator etc.
- If you apply to Register as an Integrated Resource Provider with respects to an integrated system and

Integrated Resource Providers in the NEM

Fact Sheet

classify a stand alone >5MW battery as a bidirectional unit, you will be charged the scheduled market generator fee.

- If you apply to register as an Integrated Resource Provider with the intention of classifying market connection points. This is the same activity as a Market Customer, you will be charged the Market Customer registration fee.
- If you apply to Register as an Integrated Resource Provider with the intention of classifying small resource connection points. This type of Integrated Resource Provider has the label Small Resource Aggregator. You will be charged the Small Generation Aggregator Fee.

An application is considered at a point in time. If a project needs to progress in stages, e.g. half of the units in the system are registered and then in the future the second half are registered, these are considered separate registration applications, as such each of those registration application will be charged a registration fee.

For more information on registration fees for hybrid systems and coupled production units please see the

[Registration Fact Sheet – NEM – Hybrid Systems](#) and [Registration Fact Sheet – NEM - Coupled Production Units](#).



Applicants are advised to contact AEMO early in the design phase of their project to confirm the latest registration and technical requirements.

Where can I find more information?

See the [registration pages](#) on the AEMO website for further fact sheets, guides and registration application forms.

For any further enquiries, please contact AEMO's Information and Support Hub via

- supporthub@aemo.com.au or
- call 1300 236 600