

# Quarterly Information Disclosure about Distributed Energy Resources

## 1 April – 30 June 2024

Distributed Energy Resource (DER) Information 1 April – 30 June 2024																																																	
> Number of DER connected to Essential Energy's distribution network	286759																																																
> Volume of electricity exported into Essential Energy's distribution network from DER	280.0GWh																																																
> Number of complaints from customers without DER affected by voltage issues or exceedance of thermal capacity limits due to DER	2																																																
> Number of customers that are subject to static limits on the distribution network due to DER	86628																																																
> Number of DER customers that are actively being curtailed from exporting any electricity via a total static limit	2792																																																
> Number of DER customers that are actively being curtailed from exporting some electricity via a partial static limit	83836																																																
> Level of operating and capital expenditure by Essential Energy that is primarily for the purpose of addressing network constraints on DER exports (including reasons for expenditure options)	Information is currently not available																																																
> Top ten areas by postcode in Essential Energy's distribution district that have the highest levels of DER penetration by reference to volume of electricity exported and number of units and/or systems.																																																	
<table border="1"> <thead> <tr> <th colspan="2">Volume of electricity exported</th> <th colspan="2">Volume of units and/or systems</th> </tr> <tr> <th>Postcode</th> <th>MWh exported Apr to Jun</th> <th>Postcode</th> <th>Number of systems</th> </tr> </thead> <tbody> <tr> <td>2830</td> <td>8,233</td> <td>2830</td> <td>8,675</td> </tr> <tr> <td>2650</td> <td>7,820</td> <td>2480</td> <td>8,635</td> </tr> <tr> <td>2444</td> <td>7,772</td> <td>2444</td> <td>8,200</td> </tr> <tr> <td>2340</td> <td>7,717</td> <td>2650</td> <td>7,854</td> </tr> <tr> <td>2480</td> <td>7,349</td> <td>2450</td> <td>7,069</td> </tr> <tr> <td>2800</td> <td>7,258</td> <td>2340</td> <td>6,809</td> </tr> <tr> <td>2486</td> <td>7,215</td> <td>2486</td> <td>6,721</td> </tr> <tr> <td>2640</td> <td>6,513</td> <td>2800</td> <td>6,691</td> </tr> <tr> <td>2478</td> <td>6,511</td> <td>2478</td> <td>6,459</td> </tr> <tr> <td>2450</td> <td>6,501</td> <td>2640</td> <td>6,347</td> </tr> </tbody> </table>		Volume of electricity exported		Volume of units and/or systems		Postcode	MWh exported Apr to Jun	Postcode	Number of systems	2830	8,233	2830	8,675	2650	7,820	2480	8,635	2444	7,772	2444	8,200	2340	7,717	2650	7,854	2480	7,349	2450	7,069	2800	7,258	2340	6,809	2486	7,215	2486	6,721	2640	6,513	2800	6,691	2478	6,511	2478	6,459	2450	6,501	2640	6,347
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> Number of complaints from DER customers by reference to postcode relating to constraints impacting the export of electricity from DER

Post Code	No of Work Orders		Post Code	No of Work Orders
2365	2		2641	1
2388	1		2642	1
2390	1		2650	1
2450	1		2703	1
2470	2		2713	1
2473	1		2714	1
2480	5		2716	1
2580	2		2795	3
2582	1		2800	3
2586	1		2820	1
2587	2		2830	1
2620	2		2866	1
2621	1		<b>Total</b>	<b>41</b>
2640	2			

## Distributed Energy Resource (DER) Information 1 April – 30 June 2024

Term	Definition
DER	means distributed energy resources comprising small generating units and generating systems located on the customer's side of the metering installation that export electricity into the licence holder's distribution network. For the purpose of this reporting manual, it excludes electric vehicles and their charging infrastructure.
Generating system	means a system comprising one or more generating units with a total rating less than 30MW.
Generating unit	has the same meaning given to that term in the National Electricity Rules.
Generator	has the same meaning given to that term in the National Electricity Rules.
Partial static limit	means the imposition of non-zero limits on the capability of the Generator to export to the grid.
Small generating unit	means a generating unit: (a) with a nameplate rating that is less than 30MW; and (b) which is owned, controlled or operated by a person that AEMO has exempted from the requirement to register as a Generator in respect of that generating unit.
Thermal capacity limit	means the maximum electrical current that, under ambient conditions, can be carried by the distribution feeder, without exceeding the thermal limits of the feeder.
Total static limit	means the imposition of blanket limits on the capability of the Generator to export to the grid.

