

Quarterly Information Disclosure about Distributed Energy Resources

1 October – 31 December 2023

Distributed Energy Resource (DER) Information 1 October – 31 Dec 2023																																																	
> Number of DER connected to Essential Energy's distribution network	279571																																																
> Volume of electricity exported into Essential Energy's distribution network from DER	500.4 GWh (estimated).																																																
> Number of complaints from customers without DER affected by voltage issues or exceedance of thermal capacity limits due to DER	Information is currently not available																																																
> Number of customers that are subject to static limits on the distribution network due to DER	74168																																																
> Number of DER customers that are actively being curtailed from exporting any electricity via a total static limit	2094																																																
> Number of DER customers that are actively being curtailed from exporting some electricity via a partial static limit	72074																																																
> 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 Oct to Dec</th> <th>Postcode</th> <th>Number of systems</th> </tr> </thead> <tbody> <tr> <td>2444</td> <td>12,974</td> <td>2830</td> <td>8,465</td> </tr> <tr> <td>2800</td> <td>12,881</td> <td>2480</td> <td>8,373</td> </tr> <tr> <td>2830</td> <td>12,634</td> <td>2444</td> <td>7,811</td> </tr> <tr> <td>2340</td> <td>11,515</td> <td>2650</td> <td>7,501</td> </tr> <tr> <td>2650</td> <td>11,473</td> <td>2450</td> <td>6,771</td> </tr> <tr> <td>2480</td> <td>11,360</td> <td>2486</td> <td>6,543</td> </tr> <tr> <td>2795</td> <td>10,370</td> <td>2340</td> <td>6,456</td> </tr> <tr> <td>2620</td> <td>10,304</td> <td>2800</td> <td>6,392</td> </tr> <tr> <td>2486</td> <td>10,219</td> <td>2478</td> <td>6,206</td> </tr> <tr> <td>2450</td> <td>10,154</td> <td>2640</td> <td>6,041</td> </tr> </tbody> </table>		Volume of electricity exported		Volume of units and/or systems		Postcode	MWh exported Oct to Dec	Postcode	Number of systems	2444	12,974	2830	8,465	2800	12,881	2480	8,373	2830	12,634	2444	7,811	2340	11,515	2650	7,501	2650	11,473	2450	6,771	2480	11,360	2486	6,543	2795	10,370	2340	6,456	2620	10,304	2800	6,392	2486	10,219	2478	6,206	2450	10,154	2640	6,041
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> Number of complaints from DER customers by reference to postcode relating to constraints impacting the export of electricity from DER

<u>Post Code</u>	<u>No of Work Orders</u>	<u>Post Code</u>	<u>No of Work Orders</u>
2340	1	2671	1
2347	1	2705	3
2350	3	2706	1
2354	1	2707	1
2358	2	2715	1
2380	1	2717	1
2390	4	2729	1
2448	1	2739	1
2450	1	2793	1
2456	1	2794	1
2476	1	2795	4
2548	2	2798	2
2579	3	2799	4
2583	2	2800	1
2620	2	2827	1
2626	1	2850	1
2647	1	4387	1
2653	1	Total	55

Distributed Energy Resource (DER) Information 1 October – 31 Dec 2023

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.

