

# Distributed Generation (DG) in ERCOT\*

Other regions may refer to these resources as Distributed Energy Resources (DERs). In some cases, Demand Response (DR) is also included.

	Registration	Compensation	Dispatchable	Unit Size	Technologies	EOY 2023 Totals
<b>Unregistered Distributed Generation</b>	Not registered with ERCOT	No (but customers may be compensated by their electric providers)	N/A	<ul style="list-style-type: none"> <li>Systems typically less than 1 MW (connected to the grid but may or may not inject into the grid)</li> <li>Systems greater than 1 MW (connected to the grid but do not inject into the grid)</li> </ul>	<ul style="list-style-type: none"> <li>Rooftop solar</li> <li>Gas-fired generators</li> <li>Diesel generators</li> </ul>	<p><b>Estimated at 3,040 MW (2,750 MW of total is rooftop solar)</b></p> <p><i>Exact number of sites and capacity unknown; quarterly data provided by market participants</i></p>
<b>Settlement-Only Distributed Generation (SODG)</b>	Registered with ERCOT (systems that are 1 MW or greater and inject into the grid are required to register)	Yes (compensated for energy)	Self-dispatched	Units may not exceed 10 MW	<ul style="list-style-type: none"> <li>Utility-scale solar</li> <li>Commercial solar</li> <li>Gas-fired generators</li> <li>Diesel generators</li> </ul>	<p><b>1045 MW</b></p> <p><i>(394 SODGs)</i></p>
<b>Distribution Generation Resources (DGR)</b>	Registered with ERCOT	Yes (compensated for energy and/or Ancillary Services)	Dispatched by ERCOT	Each unit is typically less than 10 MW	<ul style="list-style-type: none"> <li>Currently all batteries</li> </ul>	<p><b>540 MW</b></p>

\*Distribution level is <60 kV

## Demand Response (DR) in ERCOT

*Load reduction in response to an economic or reliability signal*

### Operational DR

Paid and dispatched by ERCOT

- Load Resources providing Responsive Reserve Services (RRS)
- Emergency Response Service (ERS)

### Economic DR

May be initiated by electricity provider or customer (i.e., smart thermostats under direct load control)



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# Demand Response (DR)

