Energy storage & demand response

Jess Hunt, 22 August 2018
What is demand response?

Modifying load in response to availability of electricity

Source: Northwest Power & Conservation Council
Opportunities for flexible demand

Minimum operational demand is decreasing
Opportunities for flexible demand

Electricity supply is becoming increasingly variable

Flexible plant ramping, South Australia, Sunday 23 July 2017
Opportunities for DER

Orchestrated DER can reduce peak grid requirements

Maximum potential of DER – Victoria, South Australia, and NSW

- Contribution at time of peak
- Potential to reduce reliability gap
- Total distributed storage

AEMO

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