

Australia demand response

Advancing Renewables Program

The AGL Demand Response project is one of 10 pilot projects awarded funding under ARENA and AEMO's flagship \$35.7 million Demand Response Initiative, along with support from the NSW Government.

The AGL Demand Response project began December 2017 and involves the deployment of 18 MW of demand response reserves, increasing to 19 MW and 20 MW in years two and three respectively. Seventeen megawatts will come from commercial and industrial participants, while the remaining 3 MW will come from AGL's NSW residential customers. The reserves will be delivered when called upon by AEMO under the Short Notice Reliability and Emergency Reserve Trader (RERT).

More than 8,000 customers participated in AGL's residential behavioural demand response program, a small-scale trial of residential controlled load demand response focussing on air conditioners and electric vehicle charging, and up to 20MW of commercial and industrial demand response for AEMO's Reliability and Emergency Reserve Trader program.

The trial successfully demonstrated the use of demand response as an effective source of reserve capacity in the National Electricity Market.

Key findings from each of the trial streams included:

Residential Behavioural Demand Response

Residential Controlled Load Demand Response

Commercial and Industrial Demand Response

This report covers the period June 2019 to May 2020 and covers the performance of the Commercial and Industrial (C& I) portfolio over that period.

Major utility AGL will deliver up to 20 MW of demand response, all of it in New South Wales, from across its commercial, industrial and residential customers as part of ARENA and AEMO's demand response trial.

AGL Demand Response project will deliver its demand response reserves through a combination of residential direct load control (DLC) and behavioural demand response, together with commercial and industrial demand response.



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