



INDEPENDENT  
MARKET  
OPERATOR

# 2014 Electricity Statement of Opportunities – key results

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Purpose of the ESOO

Peak demand forecasts

Interesting topics

IRCR response

Solar PV

Battery storage

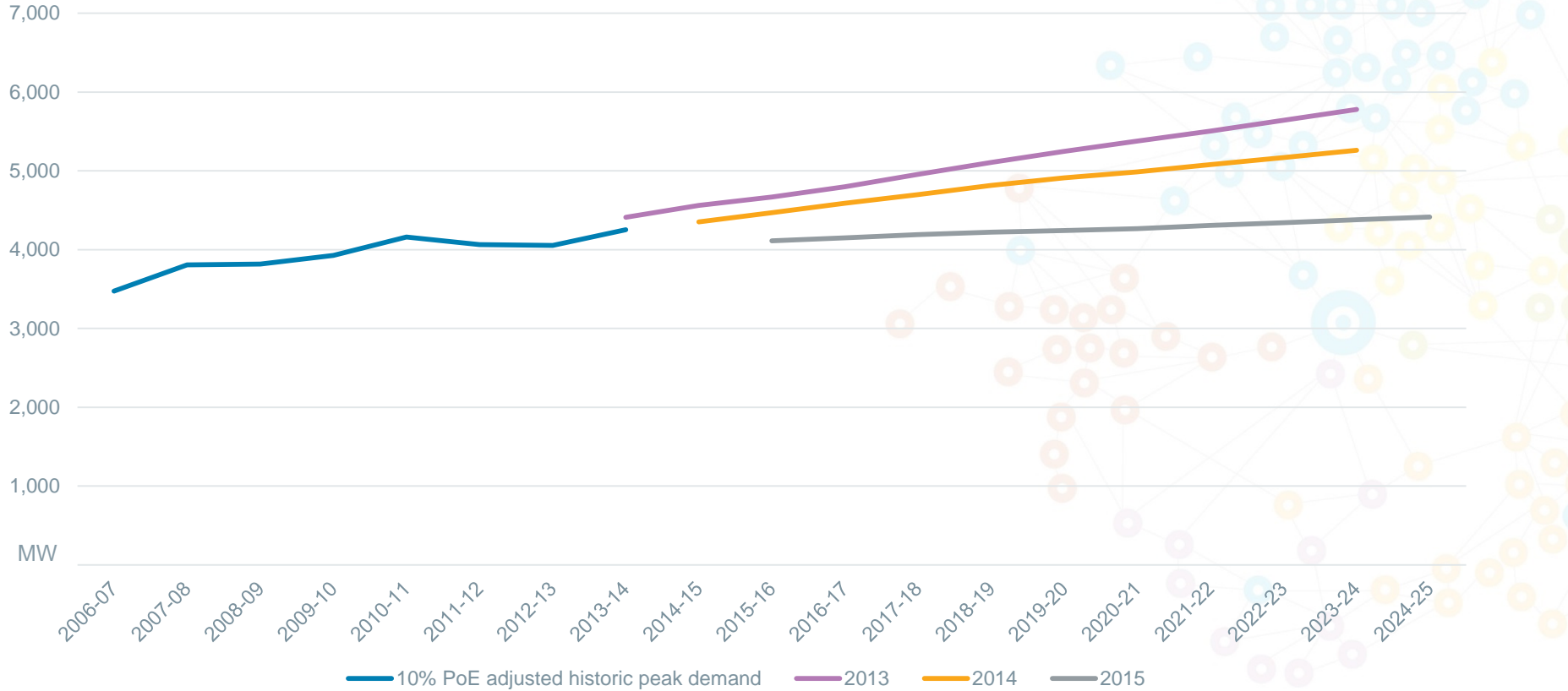
Questions and feedback



# Purpose of the ESOO

- Key purpose of the 2014 ESOO is to set the Reserve Capacity Target for the 2016-17 Capacity Year
- The Reserve Capacity Target is set based on the 10 per cent probability of exceedance (PoE) forecast plus a reserve margin
- The Reserve Capacity Target for 2016-17 is 4,557 MW
- Based on the current level of installed and committed capacity, no new generation or Demand Side Management (DSM) capacity will be required over the 2015 to 2025 forecast period
- The ESOO also provides market data and information of interest to stakeholders

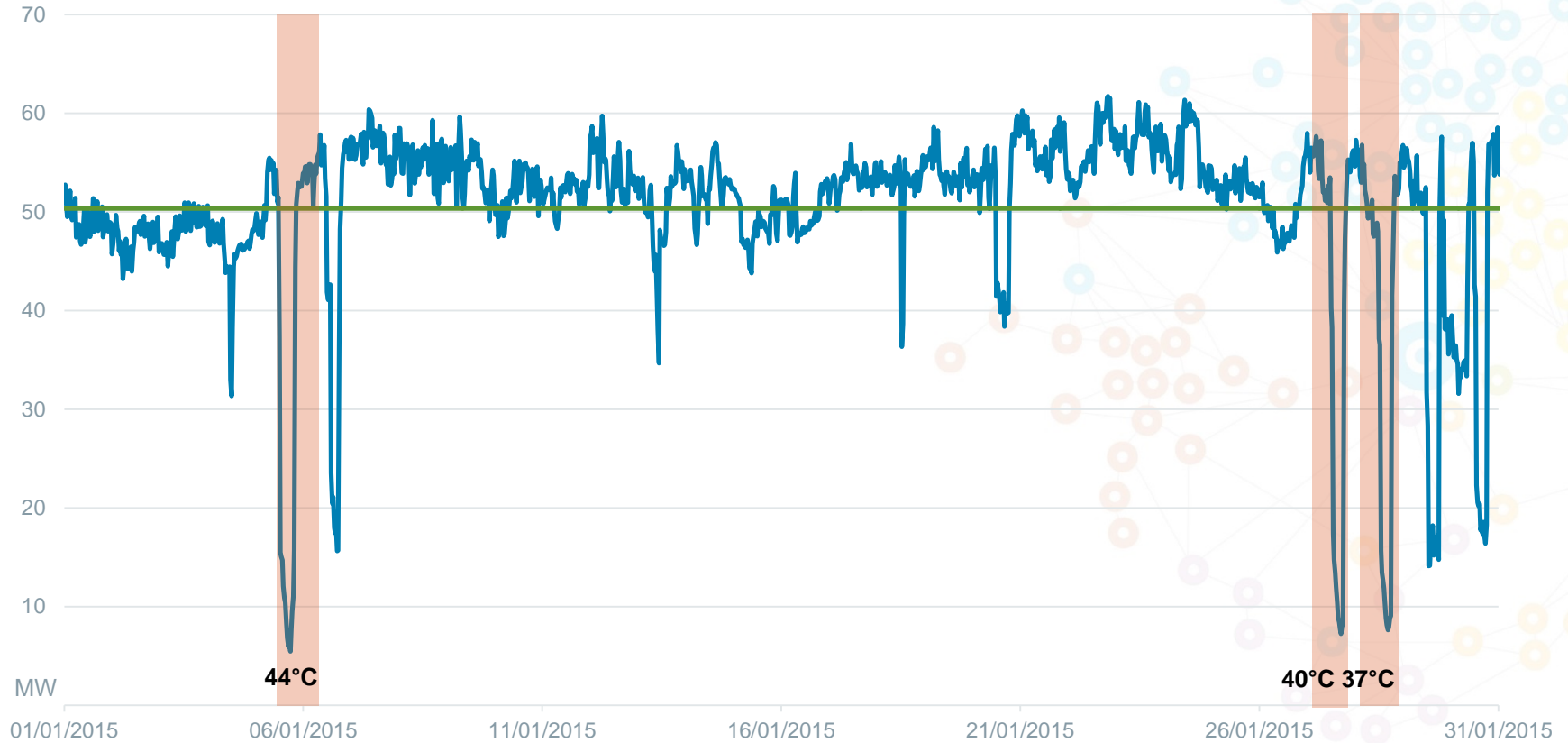
# Peak demand forecast comparison



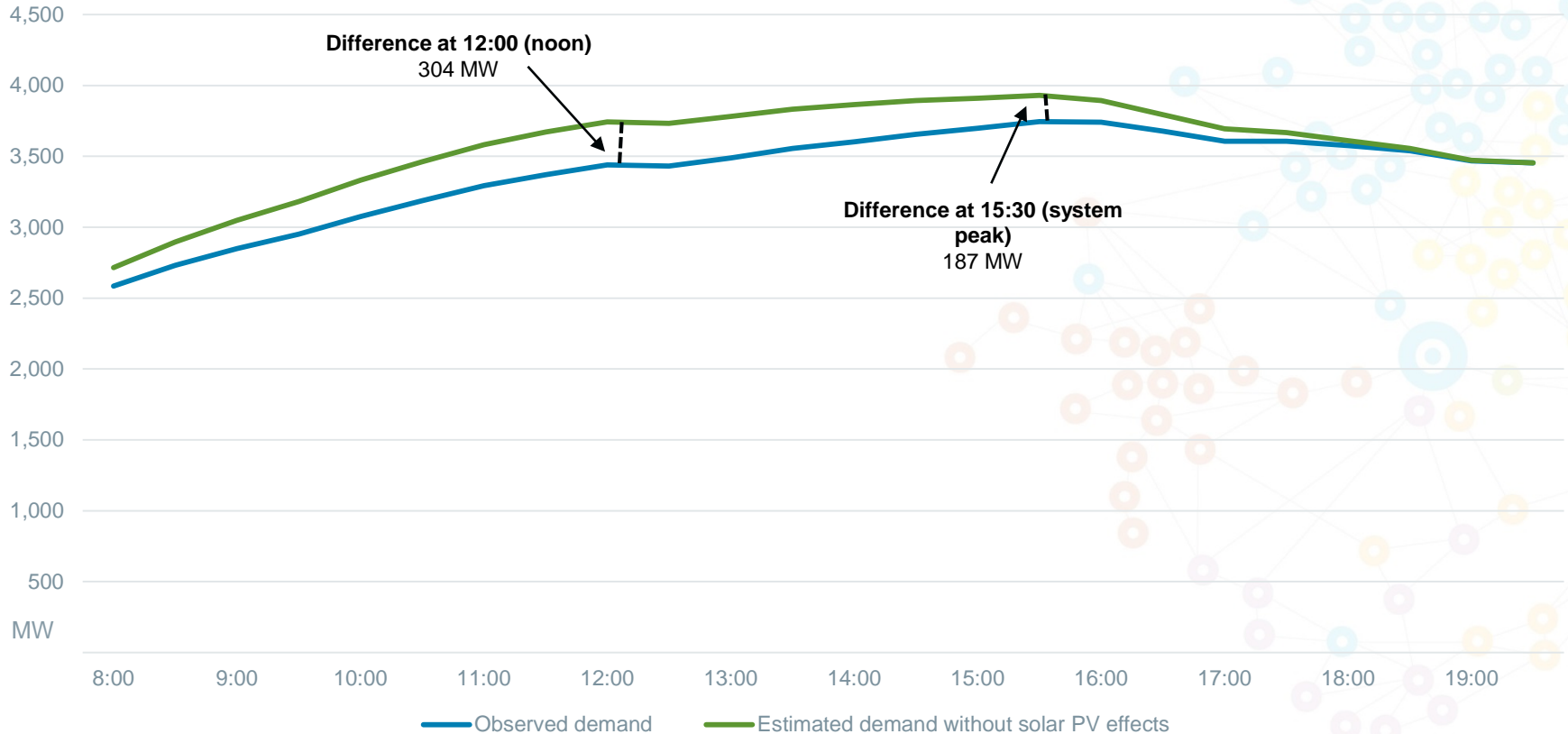
And now to some **INTERESTING** outcomes  
of this ESOO.....



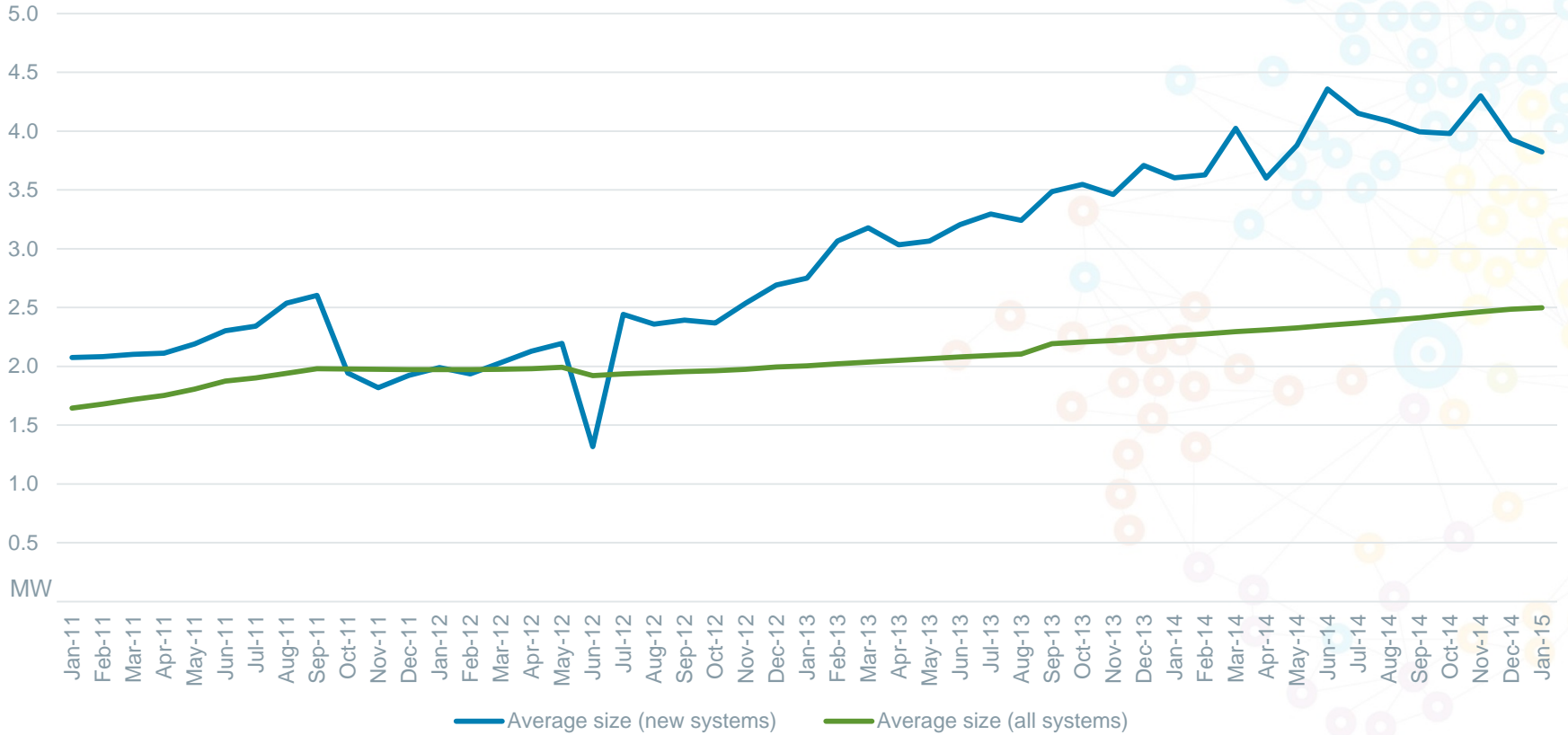
# IRCR response – January 2015



# Daily demand profile – observed and estimated



# Monthly PV installations

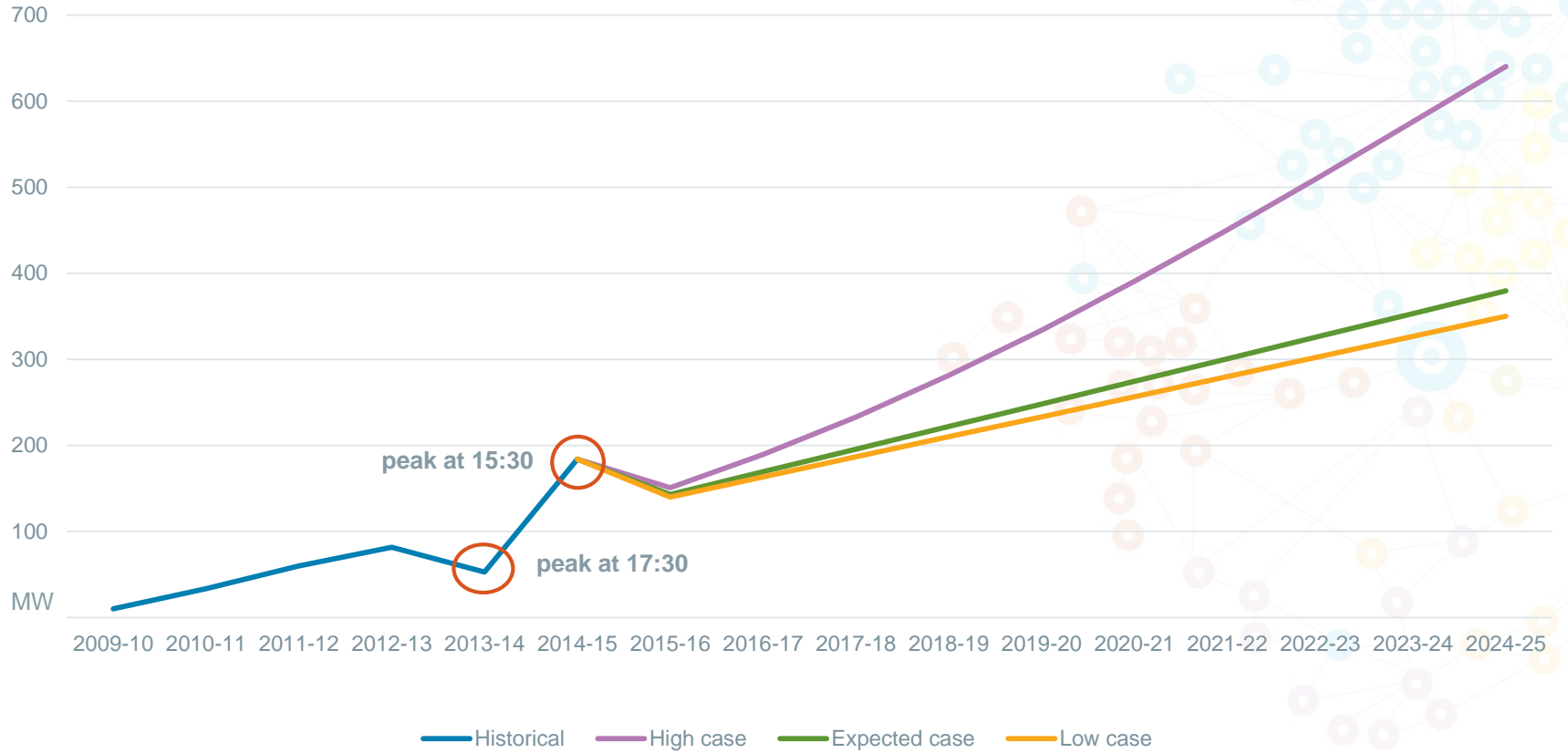




# Key statistics for solar PV systems

	2010-11	2011-12	2012-13	2013-14	2014-15	Average annual growth
Number of systems	63,384	97,722	132,621	146,890	164,483	26.9%
Proportion of customers with PV installed	7.3%	10.9%	14.7%	16.1%	17.6%	24.6%
Average system size (kW)	1.9	2.0	2.1	2.4	2.5	7.1%
Average new installation system size (kW)	2.3	1.3	3.2	4.4	3.9	14.1%

# PV contribution to peak demand



# Battery assumptions and forecast

Battery storage has been incorporated in the forecast for the first time this year. The following table shows the peak demand reduction associated with battery storage.

Scenario	2019-20 (MW)	2020-21 (MW)	2021-22 (MW)	2022-23 (MW)	2023-24 (MW)	2024-25 (MW)
High	0.8	1.5	2.7	4.9	9.2	16.7
Expected	0.7	1.3	2.3	3.9	6.6	10.7
Low	0.7	1.2	2.1	3.4	5.2	7.9

In addition, we assume the following numbers of systems are expected to be installed over the forecast period:

- 1,309 systems in 2015-16 in the high case, growing to 26,268 systems in 2024-25;
- 1,157 systems in 2015-16 in the expected case, growing to 16,863 systems in 2024-25; and
- 1,081 systems in 2015-16 in the low case, growing to 12,444 systems in 2024-25.



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# Questions and feedback

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