

Emergence of Batteries Report

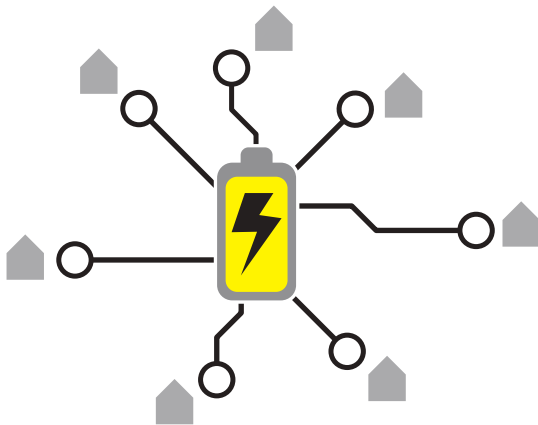
Batteries provide many **benefits** to the broader market – flexible dispatch, backup power, deferral of transmission and distribution, frequency control, voltage support.



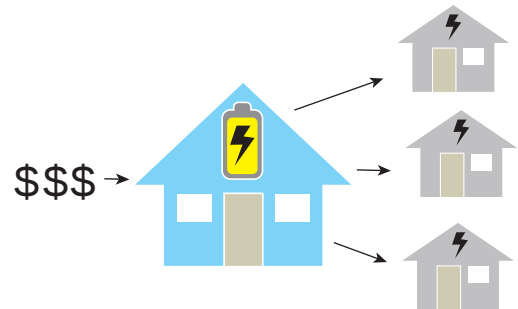
Home batteries should be economic from **2025** under many scenarios.



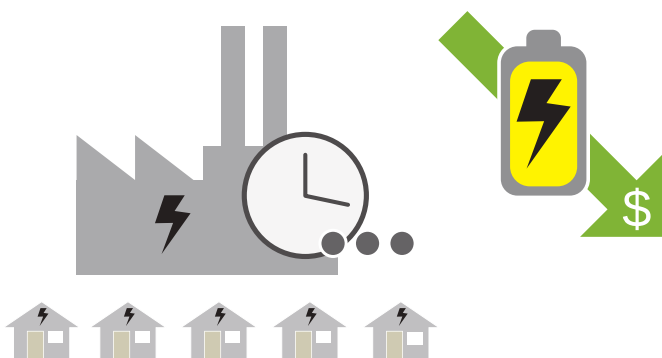
Utility and **community scale** batteries could emerge earlier than 2025 due to lower costs at scale



AEMC, AEMO, and other market players are smoothing the path for batteries including **virtual power plant trials**, DER integration, pricing of transmission, and permitting new battery aggregators into the market.



Time of use tariffs and falling battery prices will be crucial to making home batteries economic.



Hurdles to batteries include adoption of smart meters, retailer offering of time of use tariffs, and mechanisms to pay battery owners for the many benefits their batteries provide to the market

