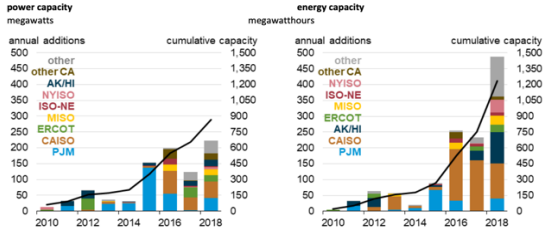


Extra Credit: Utility Scale vs EV battery storage

Can we figure out how the grid can use say 30% of EV storage with minimal owner impact?

Figure ES1. Large-scale battery storage capacity by region (2010-2018)



Sources: U.S. Energy Information Administration, Form EIA-860M, Preliminary Monthly Electric Generator Inventory; U.S. Energy Information Administration, Form EIA-860, Annual Electric Generator Report

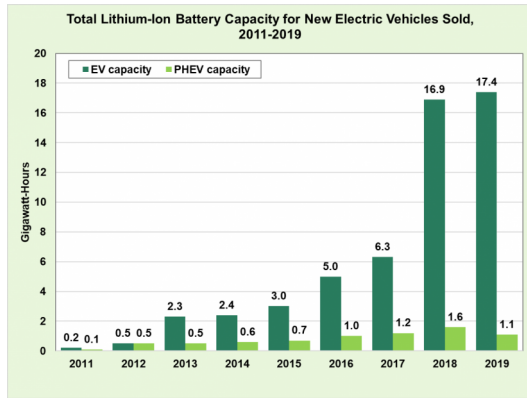
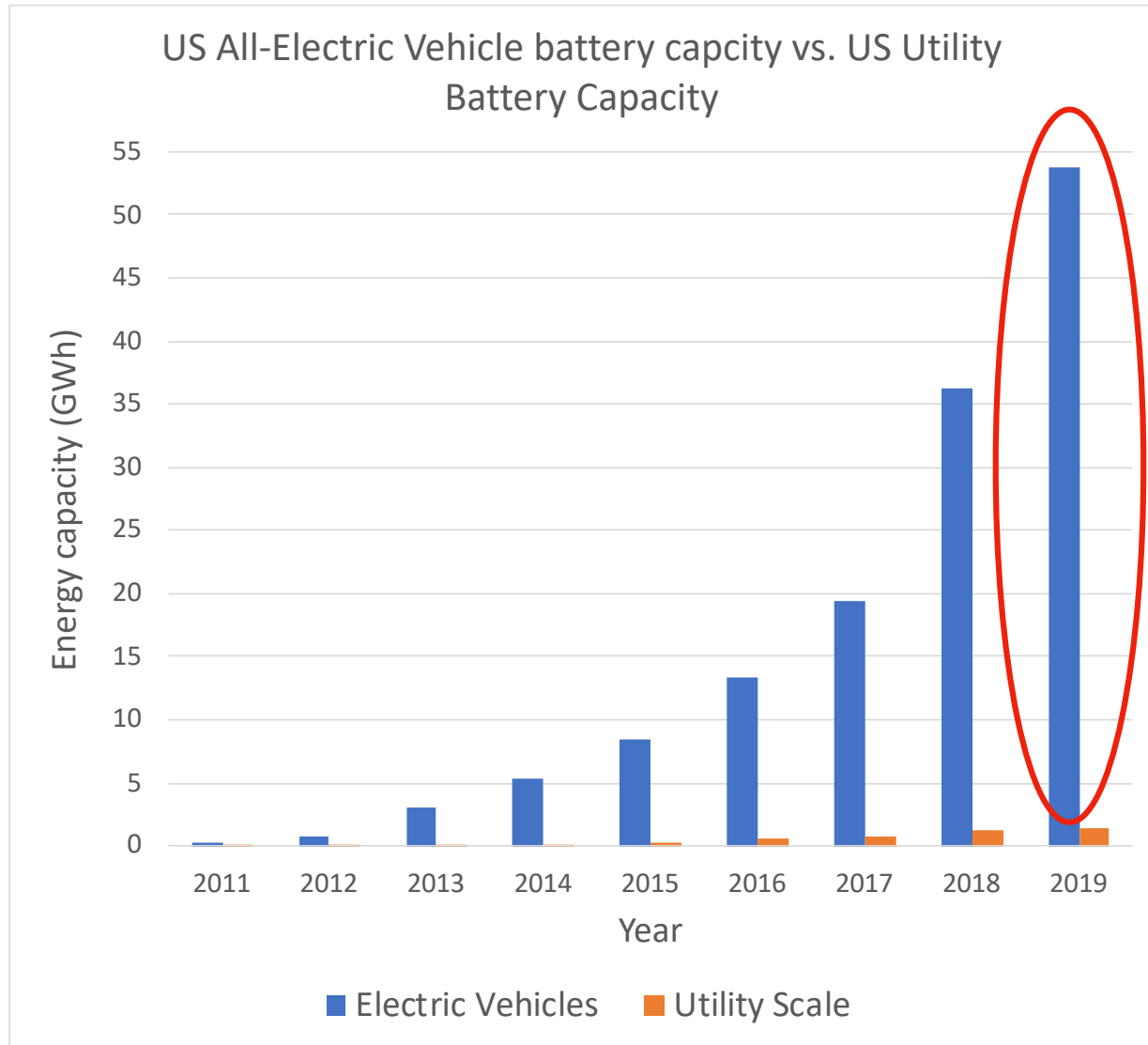


Image: Utility storage:

https://www.eia.gov/analysis/studies/electricity/batterystorage/pdf/battery_storage.pdf

Electric vehicles:

<https://www.energy.gov/eere/vehicles/articles/fotw-1151-september-14-2020-lithium-ion-battery-capacity-new-all-electric>



We estimated the 2019 data point for the utility storage graph from the ratio of 2018 capacity to energy and 2019's utility battery capacity of 152 MW from:

<https://www.eia.gov/todayinenergy/detail.php?id=45596>