

YES TO BESS

- TEXAS -

Moss Landing BESS 2020

Newer BESS

Installation Arrangement

Indoors – used a large building (a decommissioned gas power plant) to house rows & rows of battery racks – packed too much battery fuel into one *enclosed* space

Outdoors – not in one enclosed space – each box contains batteries, controls & safety equipment – designed so that if a fire breaks out at one individual container, it will shut down & not ignite neighboring units. This limits the amount of fuel a fire could engulf & makes it easier for emergency responders to suppress

Battery Chemistry

Nickel-manganese-cobalt (**NMC**) – hand-me-down chemistry from the EV industry

Lithium iron phosphate (**LFP**) – a chemistry with better safety metrics

Fire Safety Standards

Grandfathered in under **2018 International Fire Code (IFC)**

National Fire Protection Association's standard (**NFPA 855**) includes a range of requirements: Maximum energy & spacing between units – Hazard mitigation analysis – Emergency operations plan – Emergency response plan – Details of all safety systems – Results of fire & explosion testing, including large-scale fire testing to **UL 9540A** facilitated by **UL Solutions**