

**DOCKETED**

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<b>Project Title:</b>	Compass Energy Storage Project
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<b>Document Title:</b>	Cathleen Pryor Comments - This facility is asking for a permit for similar batteries to Lithium Iron Phosphate
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*Comment Received From: Cathleen Pryor  
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## **This facility is asking for a permit for similar batteries to Lithium Iron Phosphate**

In their request for a permit, Compass states:

The proposed Compass Energy Storage Project (project) would be composed of lithium-iron phosphate batteries, or similar technology batteries,

What are the similar technology batteries? An internet search shows:

What is the alternative to  $\text{LiFePO}_4$ ?

Lithium Titanate (LTO) Lithium Manganese Oxide ( $\text{LiMn}_2\text{O}_4$ ) Lithium Nickel Cobalt Aluminum Oxide ( $\text{LiNiCoAlO}_2$ )

The Lithium Cobalt batteries are the dangerous ones that explode, self-ignite when too warm, and display thermal runaway characteristics. Those batteries are highly efficient and would produce much more energy than the Iron Phosphate ones that cannot be depleted below 20-30% or charged beyond 80%.

This is an alternative that would be permitted if this permit is not denied. Lithium Cobalt is too dangerous located so close to residential areas and schools. The permit is too broadly worded.

There is newer technology that is safer too. I understand Sodium-Ion batteries might be a better choice for these facilities. Compass needs to address the newer technologies available and advised the CEC.

Unfortunately, this location is not a good location for a 13 acre concrete pad with 1100 galvanized steel containers even if those contained fresh daisies. This is for public recreation and enjoyment of natural space.