DOCKETED	
Docket Number:	24-OPT-02
Project Title:	Compass Energy Storage Project
TN #:	259059
Document Title:	Cathleen Pryor Comments - Can this project deliver 250 megawatts of electricity
Description:	N/A
Filer:	System
Organization:	Cathleen Pryor
Submitter Role:	Public
Submission Date:	9/9/2024 9:57:34 AM
Docketed Date:	9/9/2024

Comment Received From: Cathleen Pryor Submitted On: 9/9/2024 Docket Number: 24-OPT-02

## Can this project deliver 250 megawatts of electricity

This proposed project offers the public 250 megawatts of electricity in the description. However, if Compass uses Lithium Iron Phosphate batteries, we understand these batteries cannot be fully charged or discharged without damaging the battery. From what I am reading, these batteries should never be fully charged, 80% of capacity is recommended. In addition, these batteries should not be fully discharged, a 20% minimum charge should remain in the batteries to prevent damage. In other words, with these batteries, if Compass is using the 100% of battery charge as the basis for claiming to achieve 250 megawatts of power, that would be incorrect. One could reasonably deduct 40% of the possible charge. Therefore, these facility would only be capable of delivering 150 megawatts of electricity. Further, this facility would need 12.4 acres of recreational space to provide that, this is not a good location. If these batteries cannot be fully discharged and fully recharged daily, the calculation of how much power this facility will provide is significantly overstated. We are asking Compass to disclose how they calculated the 250 megawatt number. Does that number assume the batteries can be safely charged to 100% on a daily basis and discharged to 0%?