



Variability in Loads and Resources Advisory Group Update

February 23, 2021

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Update of Progress

- Study Objective - Study the impact of hybrid renewable energy systems on the BPS reliability.
- Hitachi-ABB has discussed ways of dispatching battery energy storage (BES)
 - Economically (price driven)
 - Load following
 - Assign a specific shape
- Discussed modeling of BES utilization and siting for additional BES

Next Steps

- Produce study process flow chart
- Analyze current 2030 ADS PCM
 - Compare with all BES online and without any BES
 - Review BES dispatch options for Hitachi-ABB Gridview for further evaluations
 - Model additional BES as needed to meet reliability (i.e., mitigate unserved energy) and other needs (i.e., congestion mitigation, ramping needs)
- Review the 2021 Loads and Resources submittal for incremental BES coming online by 2030



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