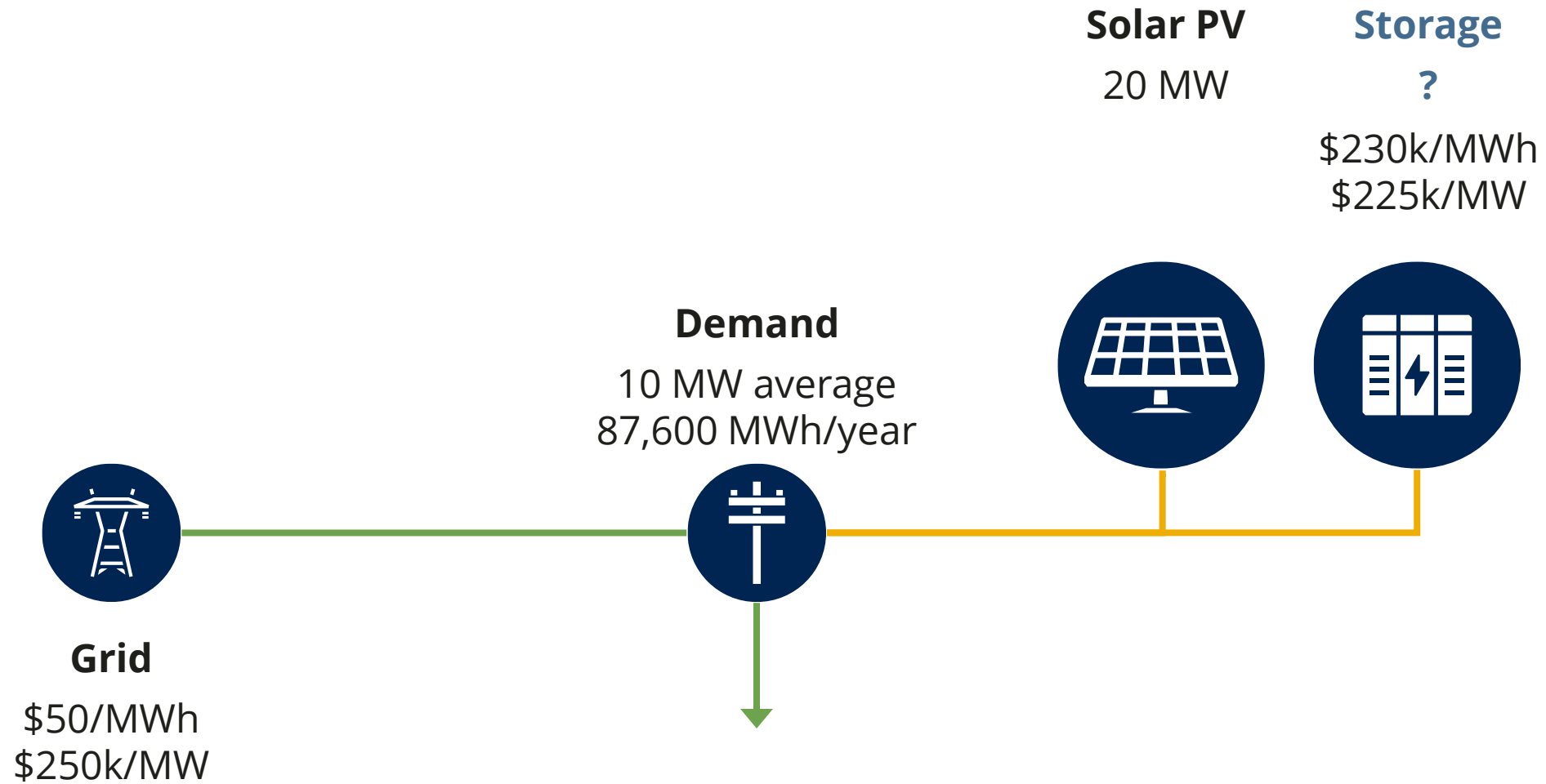


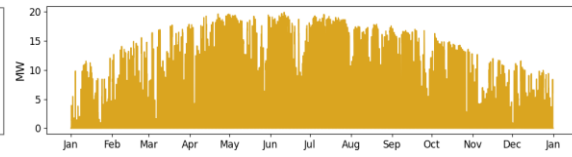
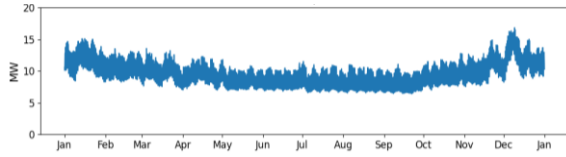


Decoupling the value of energy storage

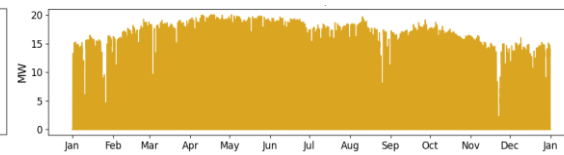
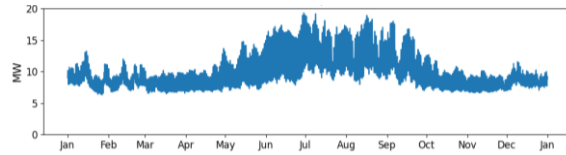
March 27, 2024





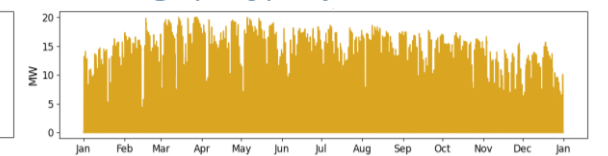
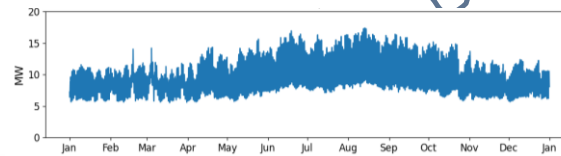


Seattle Peak: 16.8 MW
PV CF: 23.4%



Phoenix Peak: 19.3 MW
PV CF: 32.5%

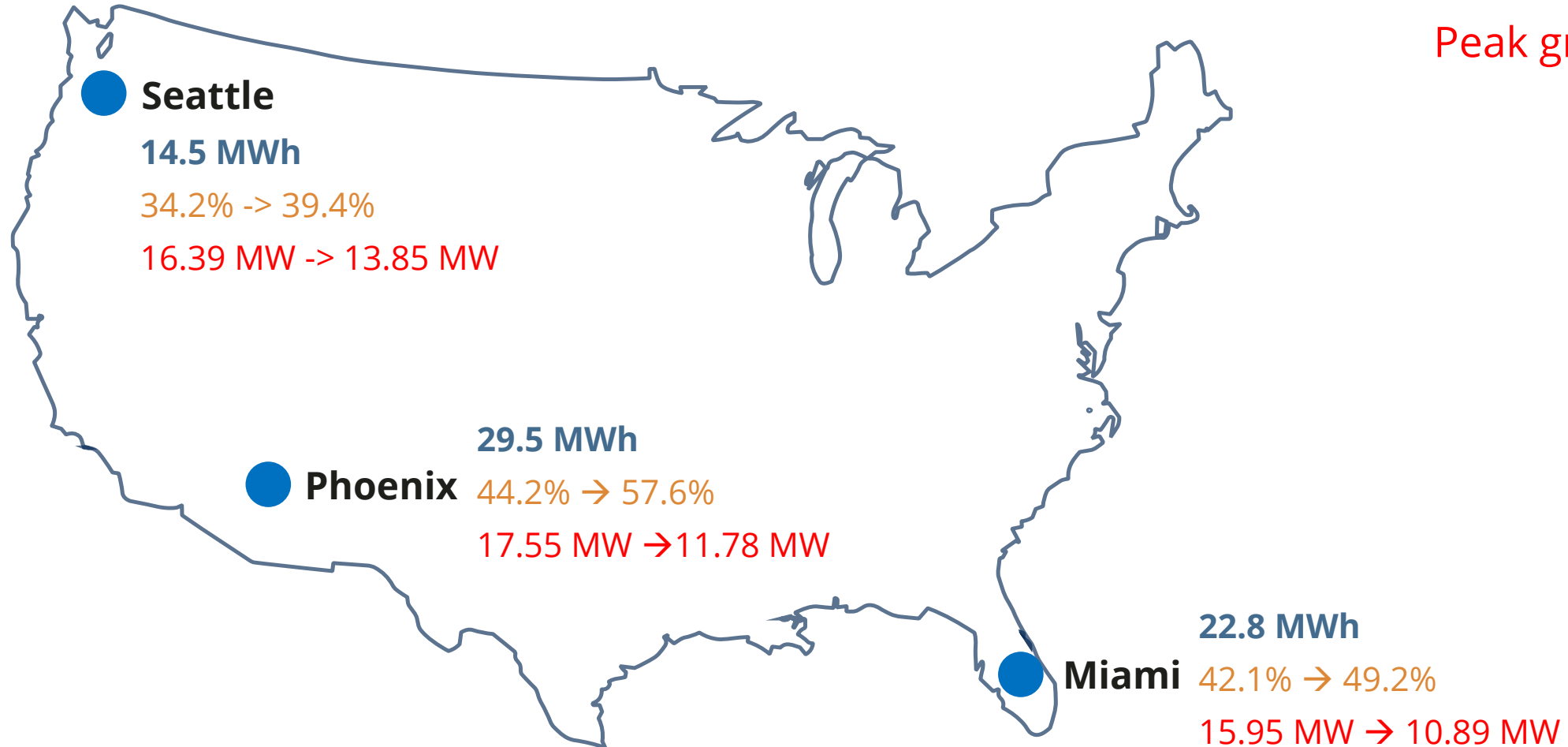
Miami Peak: 17.4 MW
PV CF: 26.7%



Optimal 4-hour storage

PV penetration

Peak grid demand

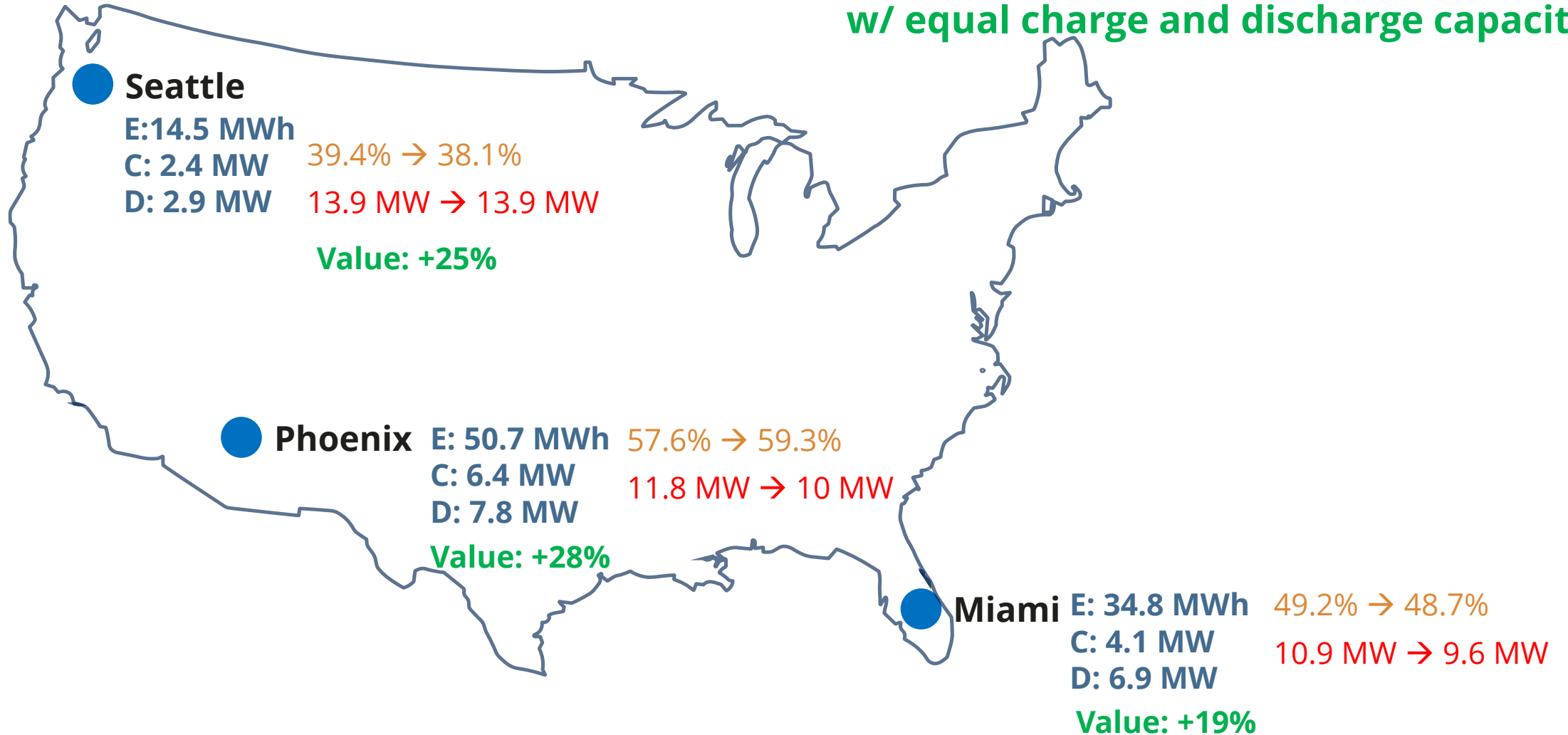


PV penetration

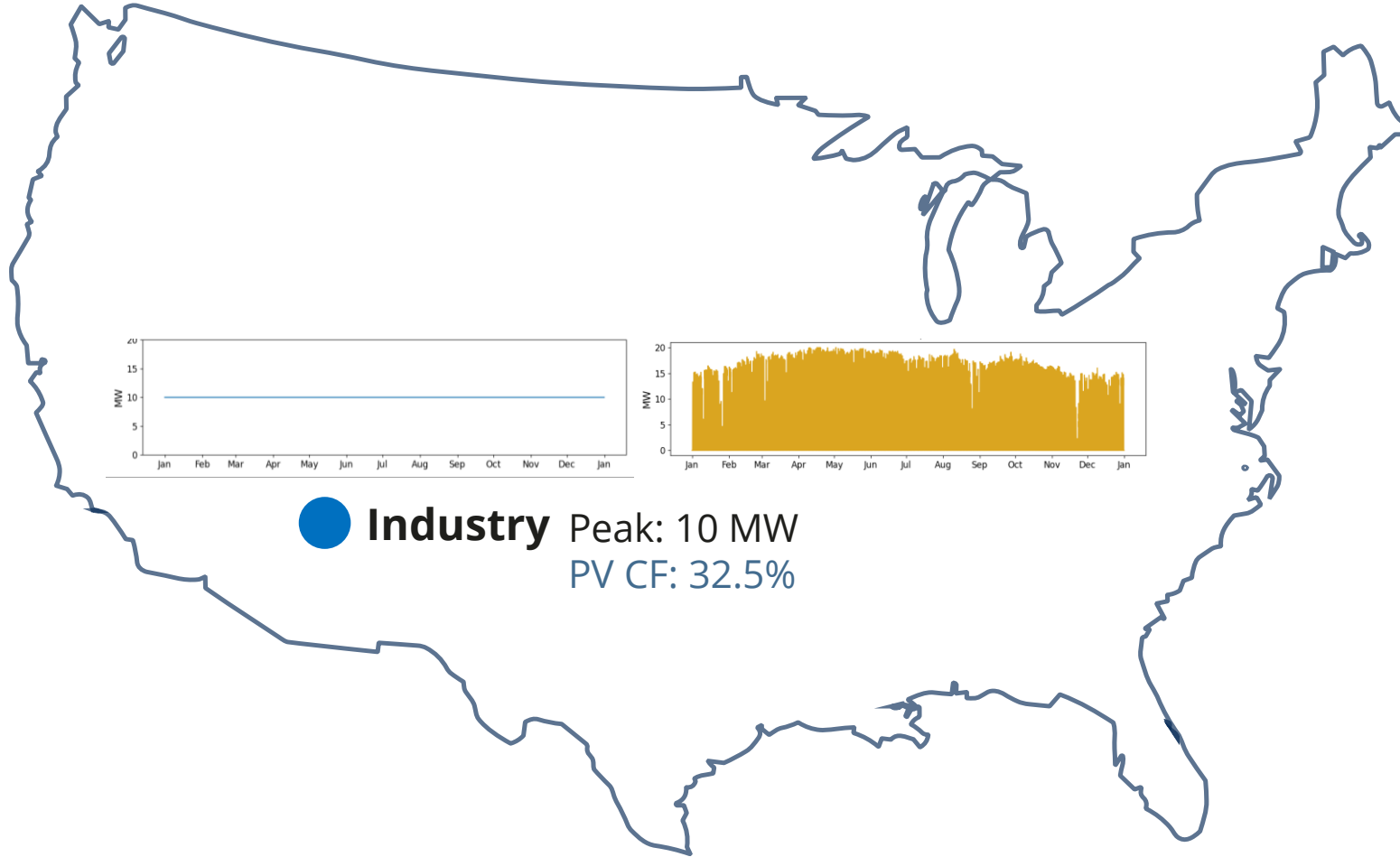
Peak grid demand

What would be the optimal energy, charge, and discharge capacities?

Storage value compared to 4-hour storage w/ equal charge and discharge capacities



What if we are an industry with constant demand?

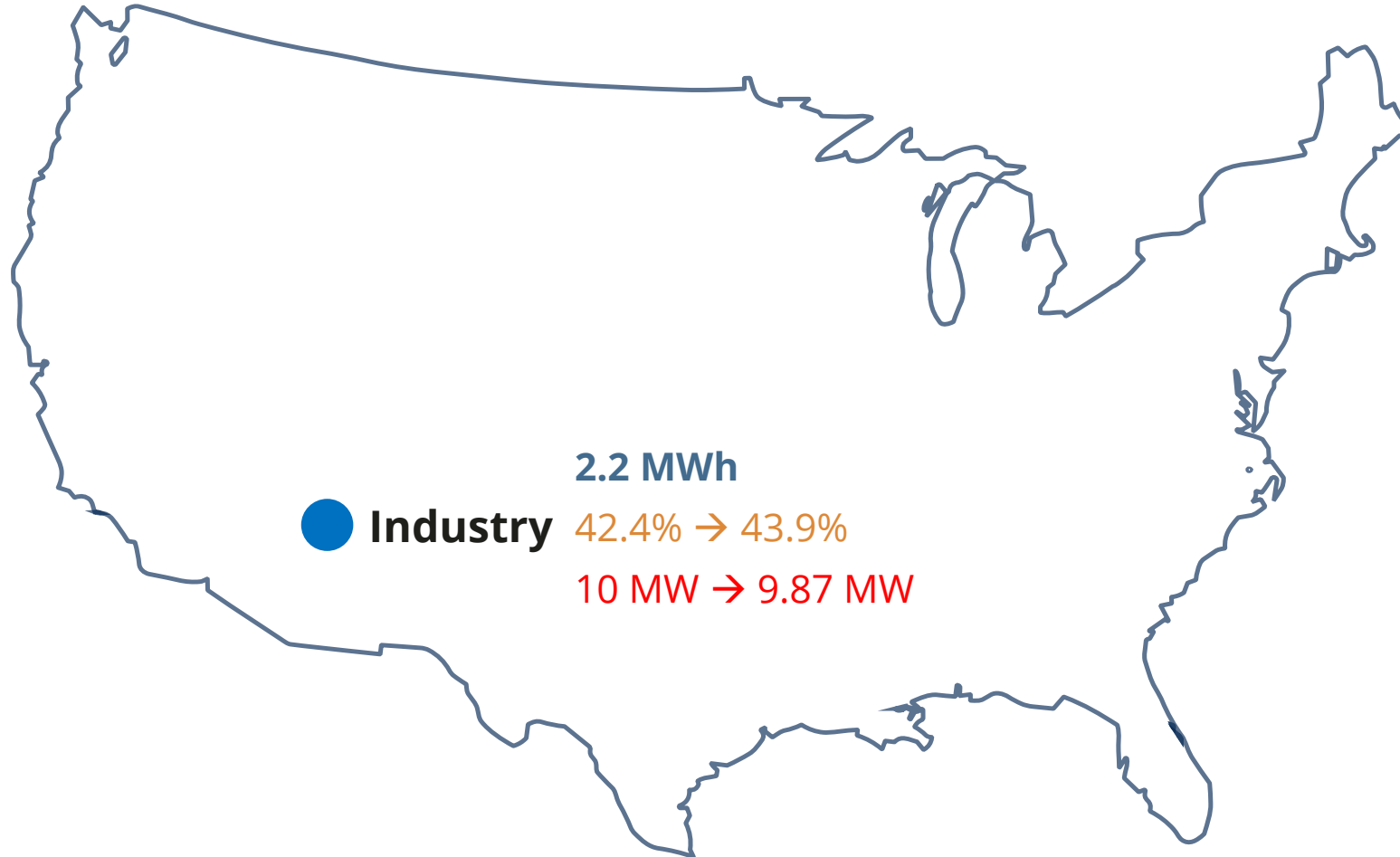


● **Industry** Peak: 10 MW
PV CF: 32.5%

Optimal 4-hour storage

PV penetration

Peak grid demand

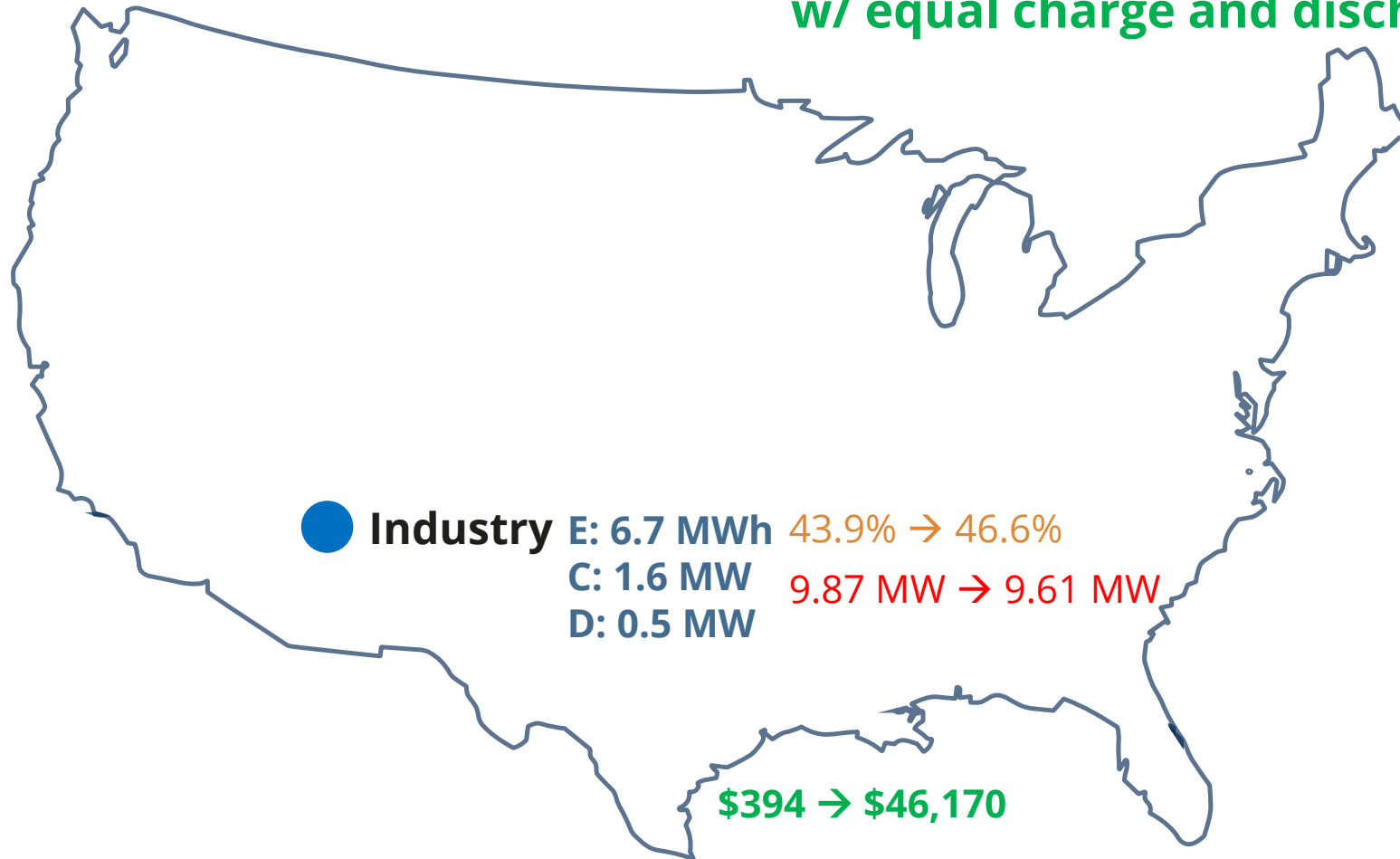


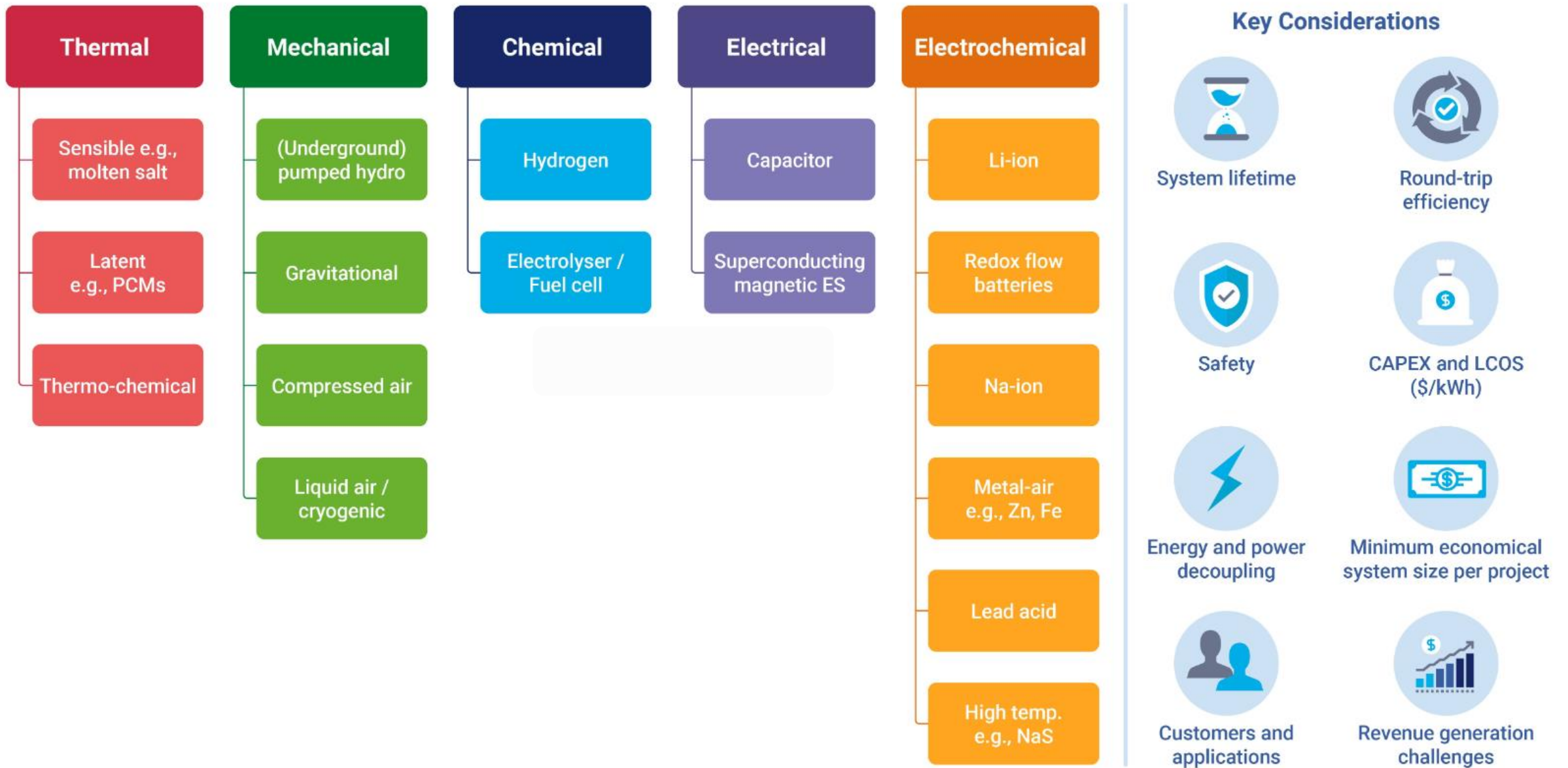
PV penetration

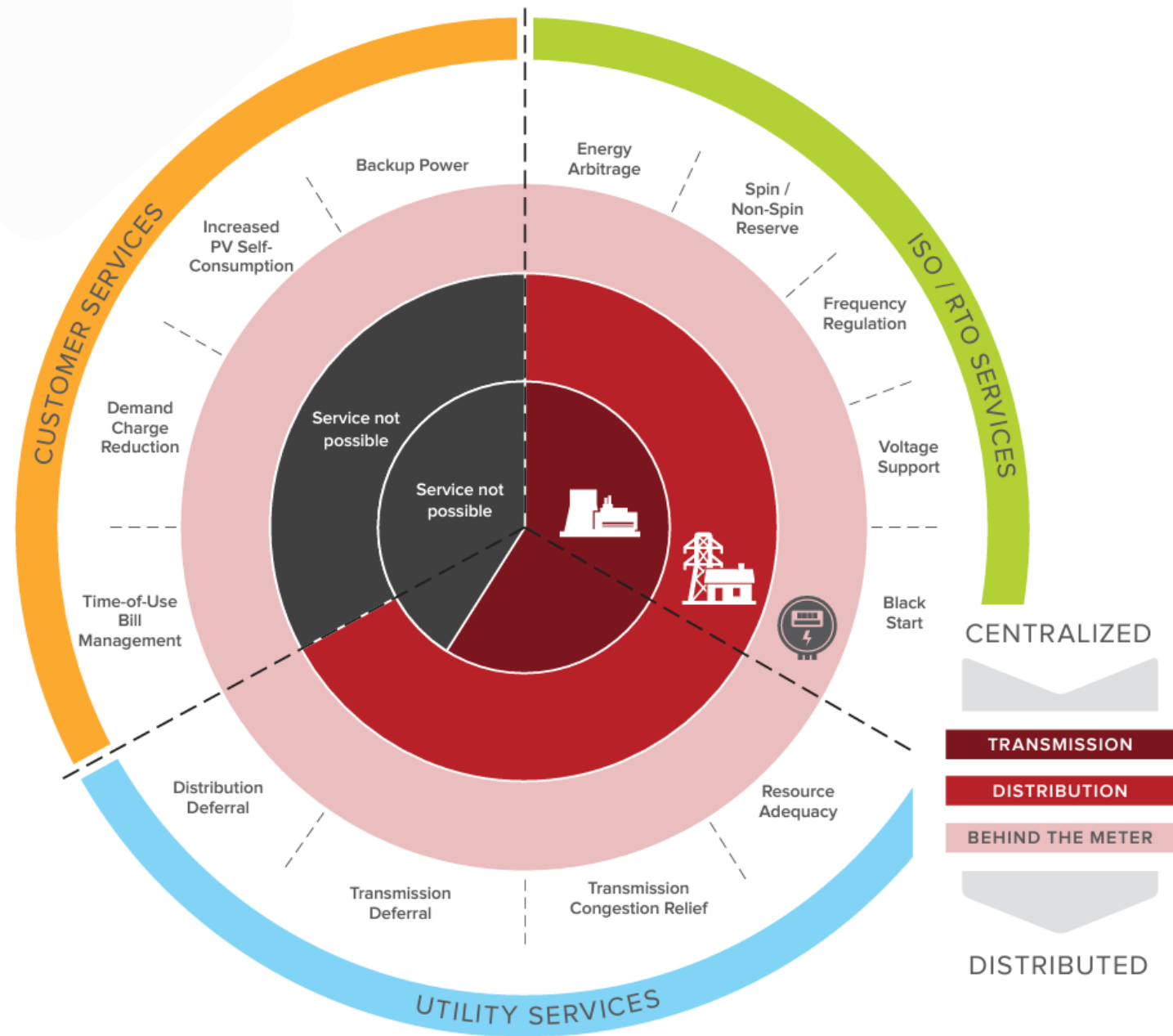
Peak grid demand

What would be the optimal energy, charge, and discharge capacities?

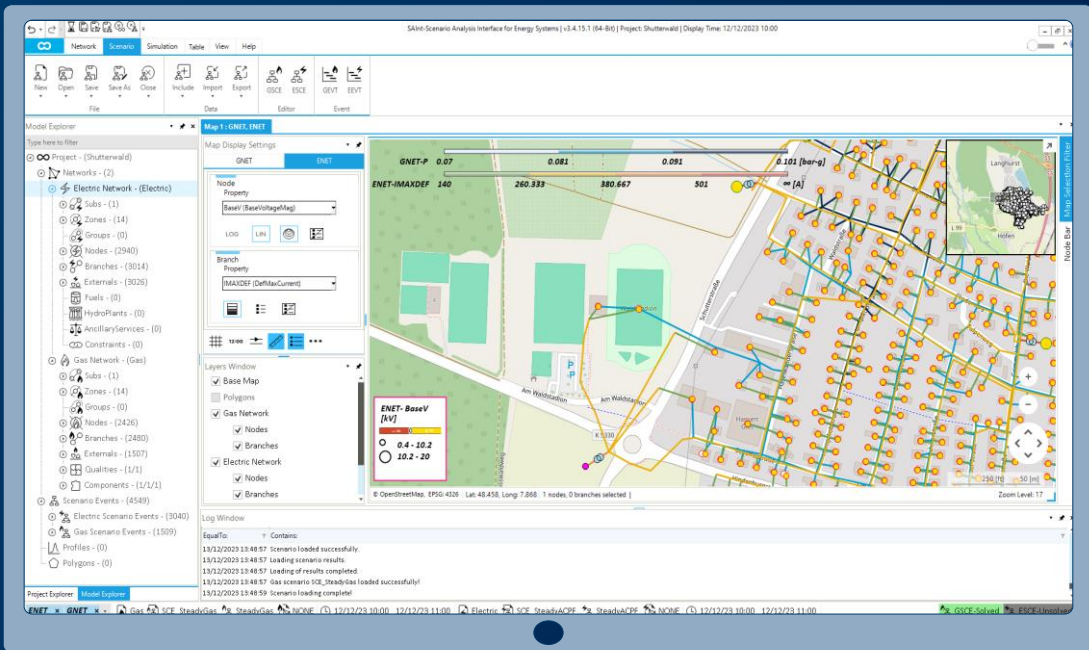
Storage value compared to 4-hour storage w/ equal charge and discharge capacities







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