1 Case Study Demonstration

The energy price data is taken from the ComEd hourly live prices data [?] for 10 November 2023.

1.1 Simulation Data: IEEE 123 Bus Test System ../figures/ieee123-FourAreas.png

Figure 1: Area 4 Battery 9 Charging and Discharging & SOC

1.2 Simulation Results

Case 1: centralized OPF with battery Case 2: ENApp based distributed OPF with battery

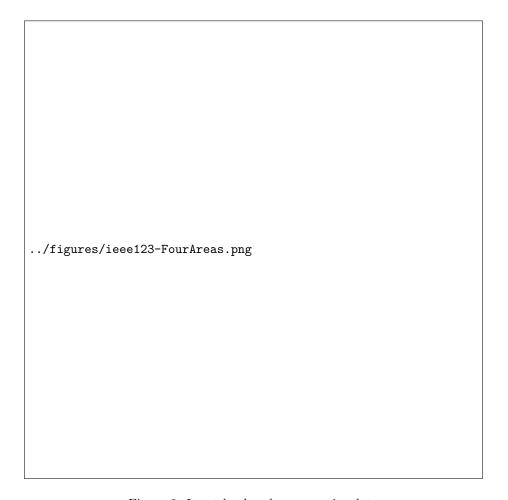


Figure 2: Input load and energy price data