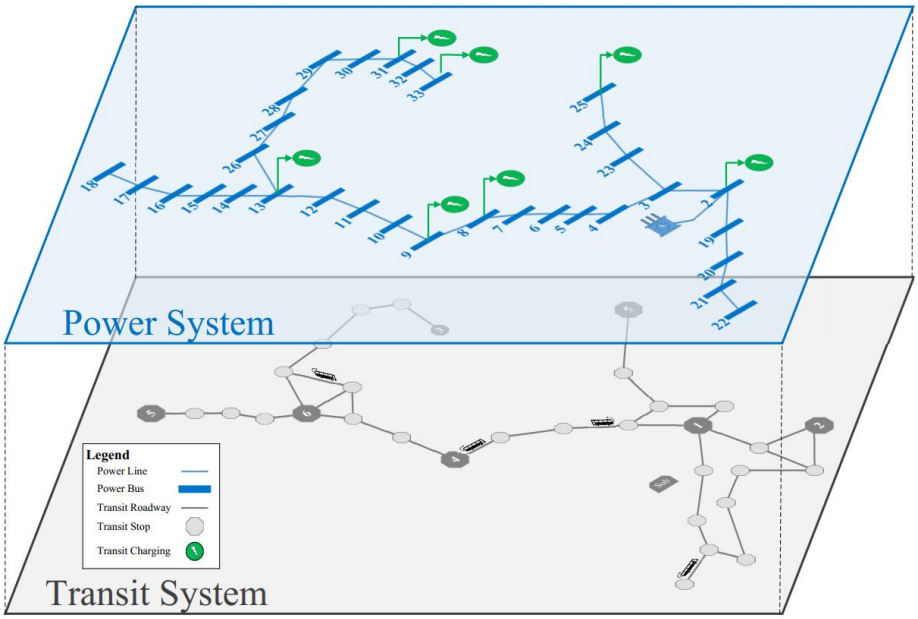

The visualization input data are from 5 AM of the current day to 5 AM of the next day (24 hours and 288 intervals).

The transit system comprises 45 BEBs and 7 charging stations. The power system has 33 nodes representing by (n1, n2, … , n33). The charging stations 1 to 7 are respectively connected to n2, n13, n9, n33, n25, n31, and n8 nodes of the power system.

The maximum and minimum threshold for voltage in all power system nodes is 11.39 and 13.92 respectively.

"TransitSystem" excel file:

The "TransitSystem" excel file has 4 sheets where the first two, "Speed" and "BusStationTime", determine the time intervals that different routes BEBs are at different charging stations. The charging power and energy profile of BEBs are represented in “BEBenergy” and “BEBpower” sheets. Each sheet represents transit system features:

- BusStationTime: Each cell represents if BEB is at the station or on road, meaning if the BEB is at the station it will be 1 otherwise 0.
- Speed: The velocity of BEBs when they are on road is represented in "Speed" sheet, in which it is 0 at charging stations (in mile/5min).
- BEBenergy: The energy profile of 45 BEBs in transit system for 288 intervals (in kWh)
- BEBpower: The power profile of 45 BEBs in transit system for 288 intervals (in kWh)

"PowerSystem" excel file:

The " PowerSystem" excel file has 6 sheets representing power system features.

- Nodes' (sinks) features:
  - ActiveLoad: Active power demand at each node for 288 intervals (in kW)
  - Voltage: The power system at each node for 288 intervals (in kV)
  - ChargingStationPower: The active power for 7 charging stations for 288 intervals (in kW)

- Lines' (edges) features:
  - Current: The power system current flow in lines connecting two nodes (from one node to another) for 288 intervals (in A)
  - MaximumLineCurrent: The upper boundary limit of the lines (from one node to another) in the power distribution system for the whole scheduling horizon.
  - ActivePoweFlow: The active power flow in lines connecting two nodes (from one node to another) for 288 intervals (in kW)