Title: Network and Loading Data

Description:

There are 5 sheets in the spreadsheet.

1. Network diagram.
2. Branch data of the network. Column 1: from bus (of each branch, i.e., sending end). Column 2: to bus (of each branch, i.e., receiving end). Column 3: resistance (p.u.). Column 4: reactance (p.u.).
3. Active power demand (in MW) for each bus (1-78) for each time step (1-24).
4. Reactive power demand (in MVAr) for each bus (1-78) for each time step (1-24).
5. Profiles for renewables (wind turbines – WTs and photovoltaics - PVs). The buses that WTs and PVs are installed are given in the spreadsheet. Values in kW.

Please note the data are linked to the following paper [1], which is currently (31 Aug. 21) under review.

[1] I. Sarantakos, M. Peker, N.-M. Zografou-Barredo, M. Deakin, C. Patsios, T. Sayfutdinov, P. Taylor, and D. Greenwood, "A Robust Mixed-Integer Convex Model for Optimal Scheduling of Integrated Energy Storage – Soft Open Point Devices," *IEEE Trans. Smart Grid,* 2021 (Under Review).