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Now would be a good time to look at the RTS 96 model update and modernization Clayton Barrow at the NREL has put together. In particular look at the model input data and provide Clayton feedback. Copy to g.preston@ieee.org on your suggestions you send him so I can collect those for a report at the general meeting this summer in Chicago.

Clayton has posted all his RTS model data on the Github computer. It includes the traditional generation and line data as well as new wind, solar, and hydro hourly data and new hourly demand data. Old oil generation has been replaced with new combined cycle gas generation. Some of the 96 model lines have been removed to create more transmission constraints in this model. The load flow data has been created for the IEEE Matpower program. If anyone can convert the data to PSSE and PSLF formats please do. Perform some reliability simulations if you can do so for our traditional loss of load indices and send that data to Clayton and myself so we can add it to the data posted on line. However we are likely to be making changes to the data at this time so these computer simulations will need to be updated for a period of time until the final data set is determined. Below are links to Clayton's files arranged in a logical order. No papers have been written yet so this is as good as it gets at this point. Please help us make this the best RTS model we can create.

The files are posted on Github with open access (no logon is needed):
The lowest level entry point for NREL grid work: https://github.com/GridMod/
Clayton at NREL starts here with his work: https://github.com/GridMod/MSPCM
Data repository: https://github.com/GridMod/RTS-GMLC/blob/master/README.md
Clayton describes the 1996 RTS and changes he has made to modernize the RTS:
RTS Updates: https://github.com/GridMod/RTS-GMLC/blob/master/RTS-GMLC.pdf
Master Data: https://github.com/GridMod/RTS-GMLC/tree/master/RTS_Data
Here is the RTS bus and line data in text and csv formats:
https://github.com/GridMod/RTS-GMLC/tree/master/RTS_Data/SourceData
Here is the time series data for loads, wind, solar, and hydro:
https://github.com/GridMod/RTS-GMLC/tree/master/RTS_Data/timeseries_data_files
Here is the load flow data in Matpower format:
https://github.com/GridMod/RTS-GMLC/tree/master/RTS_Data/FormattedData/MATPOWER
Cornell University info on MATPOWER:
MATPOWER home page: http://www.pserc.cornell.edu/matpower/
Formats: http://www.pserc.cornell.edu/matpower/docs/ref/matpower5.0/caseformat.html
NREL Workshop Materials for use on their super computer:
NREL workshop materials: https://github.com/GridMod/MSPCM-Workshop
Additional Github Information:
You can get your own log on account: https://github.com/

Gene Preston, RRPA RTS Wind update TF Chair
cc: task force members
