Recent Progress:

1. Results from turbine type code.
2. Re-test of WECC flatlines
   18,16 still seem to not work
   redownloaded, and reinstalled
   made with 21.0_02
3. Generic generator created
4. Generic governor work started
   got gas params from Dan
   `lcfb1` = load controller.
5. Update of Tgov1 to account for area gov deadband.
6. GitHub updated:
   `https://github.com/thadhaines/`

Current Tasks:

1. Generic Governor Coding
2. Don't forget to Refine BA ACE actions.
3. Update Code flowchart
4. Thesis Outline and Introduction
5. Paper outline?

Current Questions:

1. Realistic AGC results?
2. Typical deadbands of AGC?
3. Paper outline?
4. What to do with wind generators and governors? (no H, no R?)
5. Types of generic governors to create? Steam, Hydro, Gas ...
6. Turbine type to governor type check

Future Tasks:

(a) Add import mirror / bypass mirror init sequence option to prevent repeated mirror creations.

(b) Bring wind into simulation (ramp ungoverned generators?)

(c) Find best/correct way to trip gens in PSLF from python.

(d) Investigate line current data.

Future Work: (not by me)

- Account for different types of loads. (exponential load model)
- Work to incorporate Matt's *Suggested Use Cases* into simulation.
  - Add Shunt Group Agent
  - Work to Define Definite Time Controller user input
- Investigate ULTC action.
- Create an agent for every object: ULTC, SVD, Transformer, …
- Get away from reliance on GE

Matt Requests:

(a) Enable multiple dyd files to overwrite / replace previously defined agents/parameters

(b) Allow for variable time steps.