Thesis Outline

* Introduction
  + Background information
    - Renewables
      * Benefits
      * Drawbacks – in comparison with thermal gen
        + Cost
        + Variability
    - Load
      * Variability
    - Net Load
      * Explanation
        + Load-wind
        + How percentage of wind is calculated
      * Increased Variability due to wind
        + Include net load probability figure
    - Regulation
      * Explanation
        + Control Time Scales – figure?
      * Current standard
  + Detailed Literature Review
    - Dynamics
    - Statistics
* Design and Validation of Model
  + Input system
    - Load data
    - Wind data
      * Added wind bus locations
    - 39 bus case
      * Figure
  + Program
    - Simple explanation of pieces
      * ED
      * Numerical Integration
      * Performance check
      * Progression figure like in proposal pres?
    - Governing Equations and explanations
      * ED
      * Numerical Integration
      * Performance Standards
* Regulation as a function Wind Percentage
  + Inertia
  + Statistics
* Decrease in Dispatch Time
* Consolidation of Balancing Authority
* Conclusions
* Bibliography!