Required Data for Reactive Modeling Of Generators

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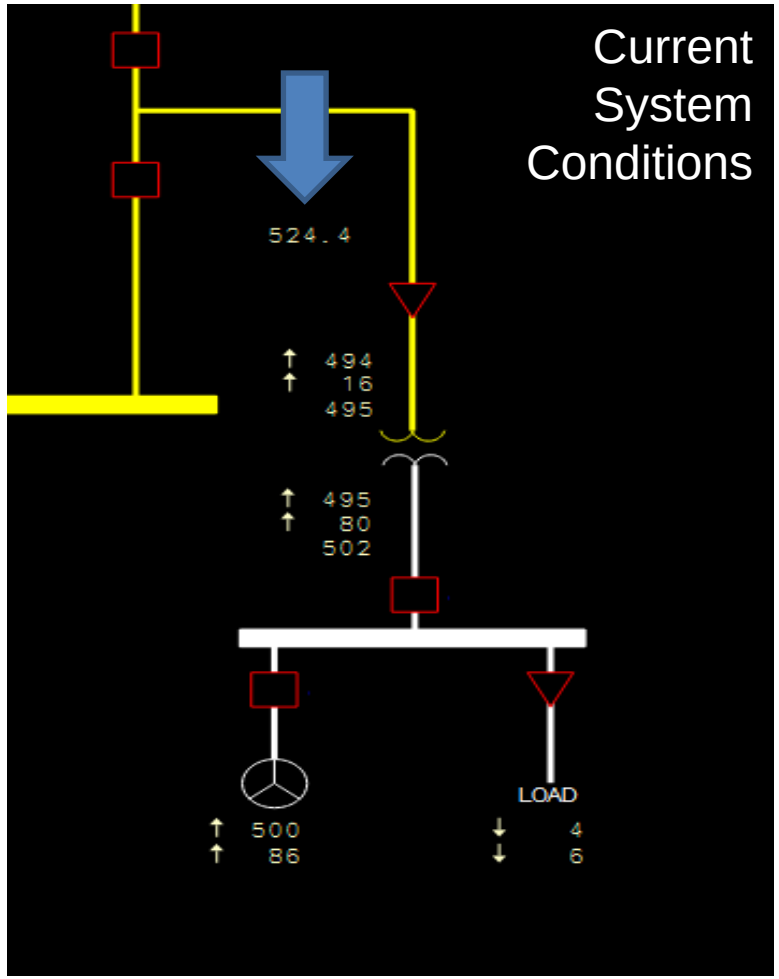
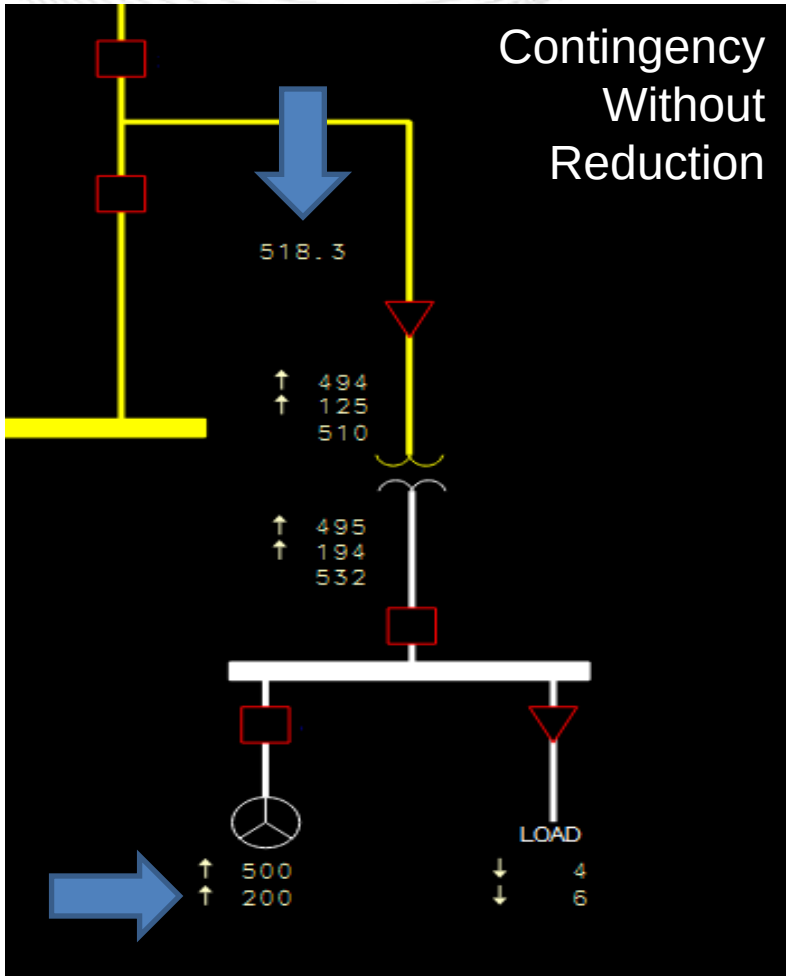
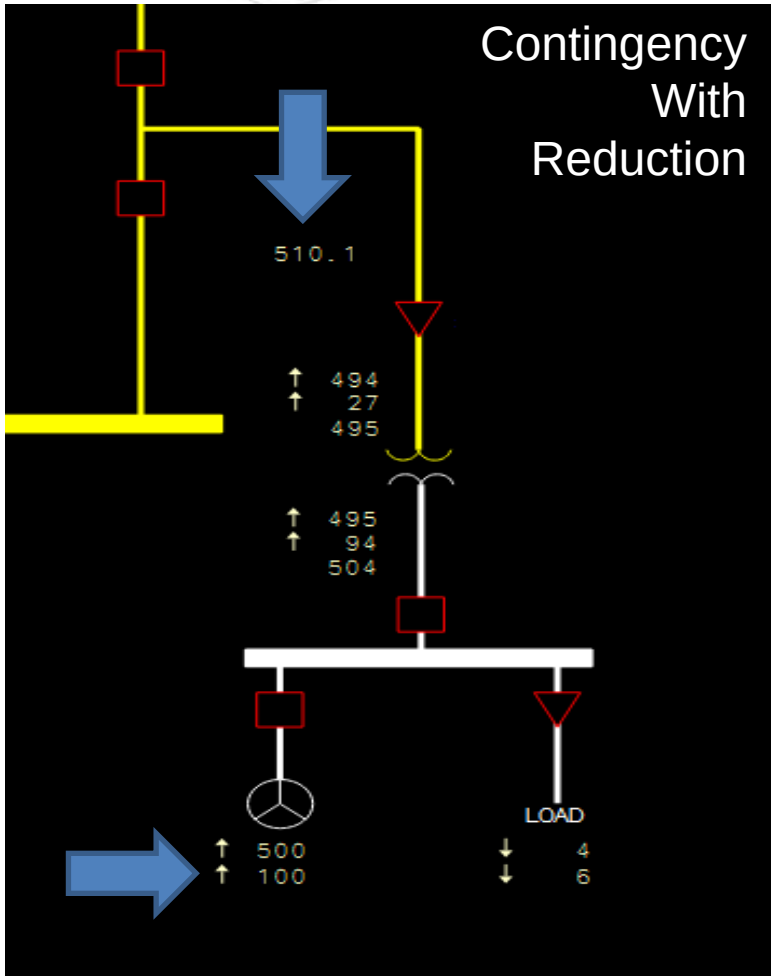
MVAR Capability is affected by Reductions







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Necessary Data for Accurate Real-Time Analysis

- Model Data
  - Topology, Connectivity, Equipment Names and Voltage Levels
  - Nameplate MW min/max
  - MVAR Curve (Qmin/Qmax at varying MW output)
  - Remote Regulation Bus
  - AVR Status
  - GSU Data (impedance, taps, voltage levels, etc)
- Telemetry Data
  - Gross Gen MW/MVAR
  - Net Data/GSU Metering/Station Service MW/MVAR
  - AVR Status (increasingly telemetered)
  - Other Local Analog and Digital Data
- Outage Data
  - MVAR Reduction Tickets: Seasonal, Single Turbine, Other Outage Related Reductions in MVAR Capability.
  - Reactive Testing: Manual lead/lag MVAR Testing

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