Distributed Energy Resources in the ERCOT Region

Draft Outline

* Participation in ERCOT wholesale markets
  + DER minimal
    - Passive participation
    - Settled at Load Zone SPP
    - Separate metering of load and generation not required (net metering allowed)
    - For the most part, business as usual for current registered and unregistered DG
  + DER light
    - Supports aggregations
    - Passive participation
    - Settled at applicable electrical bus LMP, or weighted LMP average for multiple buses
    - Separate metering of gross load and gross generation required
    - Requires Real-Time or near Real-Time information to ERCOT
  + DER heavy
    - Supports aggregations
    - Active participation (energy and ancillary services)
    - Settled at “Logical” Resource Node assigned to DER
    - Separate metering of gross load and gross generation required
    - Requires information to ERCOT the same or similar to what traditional Resources provide
* Modeling Requirements
  + Data from TDSPs
  + Resource specific operational data (single site or aggregations)
* Registration / Interconnection Requirements
  + ERCOT
  + TDSP
* Settlement Mechanisms
* Forecasting tools
* Compliance metrics