

DISTRIBUTION AGGREGATION STUDY PROCESS OVERVIEW



Steady State under worst case scenario

Seasonal Time Series Analysis

Quasi Static Analysis

Short Circuit, Protection Coordination, Communications & Metering

Transient Stability Analysis (T&D)

Reliability Analysis

Operational and Integration System Analysis

Complete Report Recommendation

(Required)

- Thermal
- Voltage Magnitude
- Voltage Deviation
- Accounting for storage & EV charge and discharge
- Integration of DR & EE
- Updated DER Forecasts

(Recommended)

- Thermal
- Voltage Magnitude
- Voltage Deviation
- Accounting for storage & EV charge and discharge
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(Recommended)

- Reactive Control Device Switching
- Accounting for storage & EV charge and discharge
- Required for high penetration feeders/subs.
- Integration of DR & EE
- Updated DER Forecasts

(Required)

- Coordination of relays, reclosers, fuses, etc.
- Communication & Data Acquisition
- Metering arrangement reviews

(Recommended)

- Unit Stability During Distribution & Transmission System Faults

(Required)

- Flicker
- Harmonic analysis, as determined by EDC

(Required)

- Mapping and Integrating Unit Aggregations into EDC's Systems i.e. ADMS/DERMS
- Integration of DR & EE
- Impacts to automation schemes (existing & planned)

(Required)

- Issue results of EDU review to associated RTO/ISO