



*Austin Energy Data Specification*



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# AUSTIN ENERGY DATA SPECIFICATION

March 23, 2023

Version 2023.03



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## *Austin Energy Data Specification*

### **PURPOSE**

To ensure Austin Energy (AE) has the data needed to fulfill its operational responsibilities. This document contains general data specifications and information necessary for AE to perform Real-time monitoring of its portion of the Bulk Electric System (BES). AE provides this *Data Specification* to entities with data AE needs for Real-time monitoring. In specific situations, if necessary, AE will include additional specifications in an appendix to this document or by another agreement.

### **SCOPE**

This *Data Specification* includes a:

- 1) list of data required from other entities for AE's Real-time monitoring of its portion of the BES, including BES, non-BES and external network data as deemed necessary by AE System Operations,
- 2) required periodicity for providing the data,
- 3) required deadline upon which the respondent must provide the data, and
- 4) provisions for the notification of Protection System and Reliability Action Scheme status change or degradation impacting AE's System reliability.

AE does not perform Operational Planning Analyses or Real-time Assessments; ERCOT performs those actions within the ERCOT Interconnection.

### **DEFINITIONS**

NERC defines Real-time as "Present time as opposed to future time."

### **REFERENCES**

- NERC Standard TOP-003-5 – Operational Reliability Data
- NERC Glossary
- ERCOT Nodal Operating Guide 7.3.3 (4), (5)

### **REQUIRED DATA (TOP-003, R1)**

#### ENTITY TYPES

AE's Real-time monitoring of its portion of the BES may require data associated with any interconnected entity, such as generator owners or operators, transmission owners or operators, distribution owners or operators, customers or any other entity AE deems necessary to maintain system reliability.



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### DATA REQUIRED

AE receives its Real-time monitoring data from the RTU at AE owned substations. AE can receive other Entities' Real-time data from a dedicated serial port on the RTU at its shared substations. If no dedicated port exists or at substations where AE does not own any equipment, AE receives its Real-time monitoring data from ERCOT via ICCP communication.

<b>Required Data/Information:</b>	<b>Unit of Measure</b>	<b>Periodicity</b>	<b>Deadline</b>
Megawatts	MW	10 seconds	Continuous
MegaVars	MVar	10 seconds	Continuous
KiloVolts	kV	10 seconds	Continuous
Breaker Status	Open/Closed	10 seconds	Continuous
Circuit Switcher Status	Open/Closed	10 seconds	Continuous
Air Switch Status	Open/Closed	10 seconds	Continuous
Motor Operated Switch Status	Open/Closed	10 seconds	Continuous
Equipment Capacity	As appropriate	10 seconds	Continuous

### ADDRESSING REAL-TIME DATA CONFLICTS

If a conflict in Real-time data occurs, AE shall operate to the most limiting value until the discrepancy is resolved. Entities providing Real-time telemetry data to AE shall notify AE of known data telemetry issues and shall treat telemetry issues per ERCOT Nodal Operating Guide §7.3.3 (4), and §7.3.3 (5).

### **PROTECTION SYSTEMS, RAS (TOP-003, R1.2)**

For all types of entities, AE requires notification of changes in status or degradation of Protection Systems, a Remedial Action Scheme (RAS) which may impact the reliability of AE's System. For any status change or degradation impacting System reliability in a Protection System, RAS, contact the AE Energy Control Center as soon as practical but at least within 24 hours of discovering the status change or degradation.

### **DISTRIBUTING SPECIFICATIONS (TOP-003, R3)**

AE will make available this *Data Specification* to entities which have data required by AE for Real-time monitoring.

### **RESPONDING TO DATA SPECIFICATION REQUESTS (TOP-003, R5)**

If AE receives a valid data specification request from another entity, AE will satisfy the obligations of the documented specifications using a mutually-agreeable:

- Format;
- Process for resolving data conflicts; and
- Security protocol.



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### DOCUMENT REVIEW/REVISION HISTORY

<b>Effective</b>	<b>Description</b>	<b>Participants</b>	<b>Version</b>
Jan. 1, 2017	Initial Version	Energy Control Center and Reliability Compliance Office staff	1.0
May 18, 2021	Update	Kurt Hammons, Shan Yaun, Rosemary Haarer, Andy Ibarra	2021.05
March 23,2023	Remove SPS and updated to newest NERC Standard	Andy Ibarra, Michael Dieringer	2023.03