**19** **Definitions and Acronyms**

**19.1 Definitions**

The defined terms in this Section are limited to those used specifically in the Load Profiling Guide (LPG). Any additional defined terms used in the LPG can be found in Protocol Section 2, Definitions and Acronyms.

**Links to definitions:**

**[A](#A),** **[B](#B),** **[C](#C),** **[D](#D),** **[E](#E),** [**F**](#F)**,** **[G](#G),** [**H**](#H)**,** **[I](#I),** [**J**](#J)**,** [**K**](#K)**,** **[L](#L),** [**M**](#M)**,** **[N](#N),** **[O](#O),** **[P](#P),** [**Q**](#Q)**,** **[R](#R),** **[S](#S),** **[T](#T),** **[U](#U),** [**V**](#V)**,** [**W**](#W)**,** [**X**](#X)**,** [**Y**](#Y)**,** **[Z](#Z);**

**List of Acronyms**

**A** [**[Back to Top]**](#A)

**Adjusted Static Models**

Load Profiles that are generated from statistical models that are based on static historical Load data, and adjusted for conditions of the day (e.g., weather, Season, etc.)

**Annual Validation**

The formal process performed every year whereby ERCOT re-determines the first component of each Load Profile ID—the Load Profile Type—for Residential and Business Load Factor Electric Service Identifiers (ESI IDs).  ERCOT then works with the Transmission and/or Distribution Service Providers (TDSPs) to have them update ERCOT’s databases with the resulting Load Profile ID changes via Texas Standard Electronic Transactions (TX SETs).

**B** [**[Back to Top]**](#A)

**Business (BUS)**

Load Profile Group designation for non-residential Electric Service Identifiers (ESI IDs) whose service is metered. This encompasses rate classes for business ESI IDs, in addition to other classes.

**C** [**[Back to Top]**](#A)

**D** [**[Back to Top]**](#A)

**E** [**[Back to Top]**](#A)

**Electric Service Identifier (ESI ID)**

*See Protocol Section 2.1, Definitions.*

***Active ESI ID***

ESI ID is presently receiving service (energized) and a Retail Electric Provider (REP) is currently assigned to it in ERCOT’s system.

***De-Energized ESI ID***

ESI ID does not have a REP assigned in ERCOT’s system, but has not been retired. An 814\_16, Move-In Request, is necessary to change to active status.

***Inactive ESI ID***

ESI ID is retired and will never again receive service.

**Engineering Estimated**

Estimated Loads based on engineering studies applied to unmetered Loads to allocate energy across specified periods of time.

**F** [**[Back to Top]**](#A)

**G** [**[Back to Top]**](#A)

**H** [**[Back to Top]**](#A)

**I** [**[Back to Top]**](#A)

**Interval Data Recorder (IDR) Requirement**

The kW level at which the installation of interval data recorders are required for settlement purposes as set forth in Protocol Section 18.6.1, Interval Data Recorder Meter Mandatory Installation Requirements.

**J** [**[Back to Top]**](#A)

**K** [**[Back to Top]**](#A)

**L** [**[Back to Top]**](#A)

**Lagged Dynamic Profiling Methodology**

The use of an active set of Load research sample sites to build an aggregated Load Profile for the sample group from actual metered usage processed after the target day.

**Load Profile Class**

A classification of a group of Customers having similar energy usage patterns and that are assigned the same Load Profile. Load Profile Class is comprised of a Load Profile Group and a Load Profile Segment. An example of a Load Profile Class: Residential Low Winter Ratio (RESLOWR). Load Profile Type and Load Profile Class are used interchangeably.

**Load Profile Group**

A high-level classification of a set of Customers who have similar characteristics. The Load Profile Groups are: Non-Metered, Residential, and Business. Together, the Load Profile Group and the Load Profile Segment form the Load Profile Type.

**Load Profile ID**

The Load Profile designation string that contains, the Load Profile Type Code, the Weather Zone Code, the Meter Data Type Code, the Weather Sensitivity Code, and the Time Of Use Schedule (TOUS) Code. All Load Profile IDs are listed in Appendix D, Profile Decision Tree.

**Load Profile Models**

Processes that use analytical modeling techniques to create Load Profiles.

**Load Profile Segment**

A sub-classification of a Load Profile Group. High Winter Ratio (HIWR) is an example. Together, the Load Profile Group and the Load Profile Segment form the Load Profile Type.

Load Profile Type (*see* Load Profile Class)

**M** [**[Back to Top]**](#A)

**Market Open**

January 1, 2002

**Mean**

A sample statistic or population parameter equal to the sum of all observations divided by the number of observations

**Meter Data Type**

The component of the Load Profile ID that identifies the type of meter data—either interval or non-interval (NIDR or IDR)—that is to be submitted to ERCOT by the Transmission and/or Distribution Service Provider (TDSP) and used for settlement.

**N** [**[Back to Top]**](#A)

**O** [**[Back to Top]**](#A)

**Opt-In Entity**

A Municipally Owned Utility (MOU) or Electric Cooperative (EC) opting-in to Customer Choice.

**P** [**[Back to Top]**](#A)

**Power Factor**

The ratio of real power (kW) to the apparent power (kVA) for any given Load and time.

**Profile Decision Tree**

The document that contains the directions for determining the Load Profile ID to be assigned to an Electric Service Identifier (ESI ID).

**Profile Type (*see* Load Profile Class)**

**Q** [**[Back to Top]**](#A)

**R** [**[Back to Top]**](#A)

**Residential (RES)**

Load Profile Group designation for Electric Service Identifiers (ESI IDs) served within a residential rate class.

**S** [**[Back to Top]**](#A)

**Sample Design**

The processes by which ERCOT determines the appropriate requirements for a sample of Customer Premises which requirements shall be used to create a Load Profile.

**Segmentation**

The process of dividing a population into a number of sub-sets, according to certain parameters, for the purpose of creating Load Profiles for sub-sets of the population.

**T** [**[Back to Top]**](#A)

**Target Profile**

The Target Profile is the best available estimated Load shape for a particular proposed subgroup.

**U** [**[Back to Top]**](#A)

**Usage Profile (*see* Load Profile)**

**V** [**[Back to Top]**](#A)

**W** [**[Back to Top]**](#A)

**Weather Sensitivity Code**

**Winter Ratio**

The proportion of usage in winter months to usage in the fall base and spring base months and is used to differentiate residential Electric Service Identifiers (ESI IDs).

**X** [**[Back to Top]**](#A)

**Y** [**[Back to Top]**](#A)

**Z** [**[Back to Top]**](#A)

**19.2 Acronyms**

The defined terms in this Section are limited to those used specifically in the Load Profiling Guide (LPG). Any additional defined terms used in the LPG can be found in Protocol Section 2, Definitions and Acronyms.

**COPS** Commercial Operations Subcommittee

**DR** Demand Response

**HIWR** High Winter Ratio

**LPG** Load Profiling Guide

**LPGRR** Load Profiling Guide Revision Request

**MAD** Mean Absolute Deviation

**MAPE** Mean Absolute Percent Error

**NIDR** Non-Interval Data Recorder

**NOAA** National Oceanic and Atmospheric Administration

**NODEM** Non-Demand

**NOTOU** Non-Time Of Use

**NWS** Non-Weather Sensitive

**PWG** Profiling Working Group

**LOWR** Low Winter Ratio

**RMSE** Root Mean Square Error