

UIEC Data Request 19.5

Class Cost of Service Allocation/Methodology & Procedures:

For each non-demand metered class for which peaks would be inferred if sampled today, please provide the size of the class sampled, when the sample was designed, how the sample was designed, the number of meters sampled for the class, and the location of the sample meters.

Response to UIEC Data Request 19.5

This request has been interpreted as seeking information on those schedules and classes where load peaks are derived from sample data. This includes both non-demand metered classes (residential class, schedule 023) as well as demand metered classes (schedule 006, irrigation).

The Utah Residential Class, Utah Commercial/Industrial Schedule 006 and Utah Commercial Schedule 023 samples are scheduled for replacement in 2008. The requested statistics associated with these samples are as follows:

Utah Residential Class

Size of Class Sampled:
When the sample was designed:
How the sample was designed:

660,409
April 2008
Stratified random design, 3 strata,
stratification variable employed=kWh,
sampling variable employed=12 month
mean demand at the time of the system
peak, ± 10% precision at the 90%
confidence level.

The number of meters sampled:
Location of sample meters:

170
Box Elder, Cache, Carbon, Davis, Grand,
Iron, Millard, Morgan, Salt Lake, San Juan,
Sanpete, Sevier, Summit, Tooele, Uintah,
Utah, Washington, Weber

Utah Commercial Schedule 023

Size of Class Sampled:
When the sample was designed:
How the sample was designed:

60,921
April 2008
Stratified random design, 3 strata,
stratification variable employed=kWh,
sampling variable employed=12 month
mean demand at the time of the system
peak, ± 10% precision at the 90%
confidence level.

07-035-93/Rocky Mountain Power

June 23, 2008

UIEC 19th Set Data Request 19.5

The number of meters sampled: 75
Location of sample meters: Beaver, Cache, Davis, Emery, Iron, Millard,
Piute, Salt Lake, Sanpete, Sevier, Summit,
Tooele, Uintah, Utah, Washington, Weber

Utah Commercial/Industrial Schedule 006

Size of Class Sampled: 14,721
When the sample was designed: June 2008
How the sample was designed: Stratified random design, 3 strata,
stratification variable employed=kW,
sampling variable employed=12 month
mean demand at the time of the system
peak, $\pm 10\%$ precision at the 90%
confidence level.

The number of meters sampled: 108
Location of sample meters: Box Elder, Cache, Carbon, Davis,
Duchesne, Emery, Grand, Iron, Millard,
Salt Lake, Sevier, Summit, Tooele, Uintah,
Utah, Washington, Weber

Utah Irrigation Class

It generally takes about two weeks to prepare a load study sample design. Since a load study for the irrigation class was placed in the field just prior to the 2006 irrigation season, the Metered Data Management group will not be preparing a new study design for at least three years.