

NOTES TO LOADSHAPES BY SECTOR, SEGMENT AND END-USE

1. The following applies to loadshapes for:

RESIDENTIAL
COMMERCIAL
SMALL INDUSTRIAL (less than 5 MW)

2. The residential sector is broken down to six end-uses.
3. The commercial sector is broken down to 10 segments.
4. The industrial sector is broken down to 14 segments.
5. The typical loadshapes are provided for two daytypes (weekdays, weekends) for 12 month.
6. Explanation of columns:
 - A - Segment or end-use
 - B - Month
 - C - Daytype (weekday or weekend)
 - D - % Month, this is the percentage of annual energy occurring in the specified month
 - E - % Day, this is the percentage of the monthly energy occurring on a day of the specified daytype
 - F to AC - 24 normalized hourly load values
7. The loadshapes are normalized to 1 MW, or 8760 MWh on an annual level.
8. $\text{SUM}(24 \text{ hourly values}) / \% \text{Month} / \% \text{Day} = 8760$.
9. To construct an actual daily loadshape of a customer, multiply its annual energy by the required monthly percentage and daily percentage, then allocate the daily energy to the 24 hours using the hourly weights.
10. To construct an annual 8760 hourly loadshape, the actual daily profiles have to be combined according to the calendar.
11. A plot is included for every segment/end-use, which shows the daily loadshapes for every month for both daytypes.