**Description Consumption file Small consumption (version 1.2)**

**Content:**
The file contains the aggregated consumption data for all Small Consumption Connections (KV) our service area. To ensure the anonymity of the data, this data aggregated. A minimum of 10 connections will be merged per line, whereby the merging postal codes can occur.

**Validity:**
The data is re-manufactured every year. The file name of the compressed file indicates the year in which the data was produced. The reference date is always 1 January of the concerning year. The Standard Year Consumption (SJV), as included in the file, is based on consumption in the previous year.

**Filename:**
The files have the following names:
***NameNet administrator_smallconsumption data_Pilding date***
(Example: Liander_kleinverbruiksgegevens_01012016)

**Format (general):**
The data is published in a CSV format. This format is the simplest format for table files. It only consists of text data, so that it can become easy processed. CSV files can be imported and viewed using a so-called "Spreadsheet program".

**Format (specific):**
- The column values are separated by tab characters.
- All text fields are surrounded by quotes (").
- The decimal point is a comma and separators are not used for thousands.
- All numerical values and percentages are arithmetically rounded to 2 decimals.
- The used characterset is Unicode / UTF-8 (BOM).

**Layout:**
The file contains the following elements per line:

| Column | C-AR [1] | Value | Description |
|---|---|---|---|
| NETWORKER | A.02 | Text | The EAN code of the regional network operator (for low consumption connections, the grid operator is also the Metering responsible) |
| NET AREA | A.06 | Text | Indication of the closed purchasing area where a connection falls under. |

1 An unambiguous classification of data is used within the C-AR. This column refers to the relevant section in the C-AR.
In the Central Connection Register (C-AR), the data of all connections for electricity and gas stored in the Netherlands. The C-AR is managed by Energie Data Services Nederland (EDSN). A efficient exchange of data ensures that the energy market operates effectively and quickly. Thanks to the C-AR-system EDSN can facilitate the processes transparently and effectively.
All network operators have been making all of this since April 2013 use of this system.



| Column | C-AR [1] | Value | Description |
|---|---|---|---|

| | | | |
|---|---|---|---|
| STREET NAME | A.10 | Text | The street name. If the columns POSTCODE_VAN and POSTCODE_TOT differ then it concerns the street name which belongs to POSTCODE_VAN. |
| POSTCODE_VAN | A.07 | Text | The postal code in the format 4 digits 2 letters without space |
| POSTCODE_TOT | A.07 | Text | If within the POSTCODE_VAN area more than 9 connections are present, then this column is equal to POSTCODE_VAN.<br>If less than 10 within the POSTCODE_VAN area connections are present there are several postal codes merged to the anonymity of the data guarantees. In that case, in this column the upper limit of the particular postal code sequence.<br>The postcode has the format 4 digits 2 letters without blank |
| RESIDENCE | A.11 | Text | The place name. If the columns POSTCODE_VAN and POSTCODE_TOT differ then it concerns the place name which belongs to POSTCODE_VAN. |
| COUNTRY CODE | A.60 | "NL" | The country code of the Netherlands according to ISO code 3166 alpha 2 |
| PRODUCT TYPE | A.17 | "EACH" or "GAS" | The energy type where ELK stands for Electricity and GAS for Gas |
| CONSUMPTION SEGMENT | A.18 | "KVB" | Consumption segment small consumption, that is to say the connection value of an electricity connection is not greater is then 3x 80 ampere and a gas connection is not greater than G25. |
| CONNECTIONS_NUMBER | | Number | The number of connections in the relevant postcode area for the relevant energy type. |
| DELIVERY DIRECTION_PERC | A.19 | Percentage | Percentage of connections that net electricity or gas consumption. This percentage gets lower as there more return delivery takes place (eg due to solar panels) |
| PHYSICAL_STATUS_PERC | A.21 | Percentage | The percentage of connections that are in operation (C-AR code IBD). The other connections are under construction, out of operation or demolished (respectively C-AR codes IAL, UBD and SLP). |
| TYPE_INERATION_PERC | A.29 | Percentage | With gas and electricity the heaviness of the connection indicated with connection capacity, also called connection value. The connection value indicates how many amperes of electricity or $m^3$ / hour of gas are there by the connection possible. Here is the percentage of the most occurring connection value. |



| Column | C-AR 1 | Value | Description |
|---|---|---|---|
| TYPE OF CONNECTION | A.29 | Text | Name of the most common 'Connection type', to which the percentage in the previous column relates has.<br>Options for electricity: ("#zekeringen x # ampère")<br>▪ 1x25<br>▪ 1x35<br>▪ 1x50<br>▪ 3x25<br>▪ 3x35<br>▪ 3x50<br>▪ 3x63<br>▪ 3x80<br>Gas options:<br>▪ G4<br>▪ G6<br>▪ G10 |

| | | | |
|---|---|---|---|
| SJV_GEMIDDELD | A.33 | Number | The average standard annual consumption (SJV). In front of electricity in kWh (kilowatt hours), for gas in m3 (cubic meters).<br><br>The standard annual consumption is the expected annual consumption from a customer on a grid connection at standardized conditions and on the basis of a normalized year.<br>When a connection is out of operation, the latter remains known SJV, until the connection back into operation is taken.<br>For connections with a double rate, where both Normally – if low rate is activated, both are SJVs be added together prior to the determination.<br><br>It is becoming increasingly common for private individuals to have their own energ generate (eg through solar panels). The Liander SJV_GEMIDDELD always shows the netted consumption. Which means the energy delivered minus the delivered back energy. |
| SJV_LAAG_TARIEF_PERC | A.34 | Percentage | Percentage of connections with a double rate. |
| SMART_METER_PERC | M.102 | Percentage | Percentage of smart meters. It concerns all generations smart meters. |