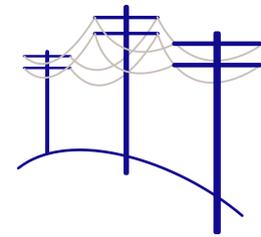


Pole Data Sets - Instructions



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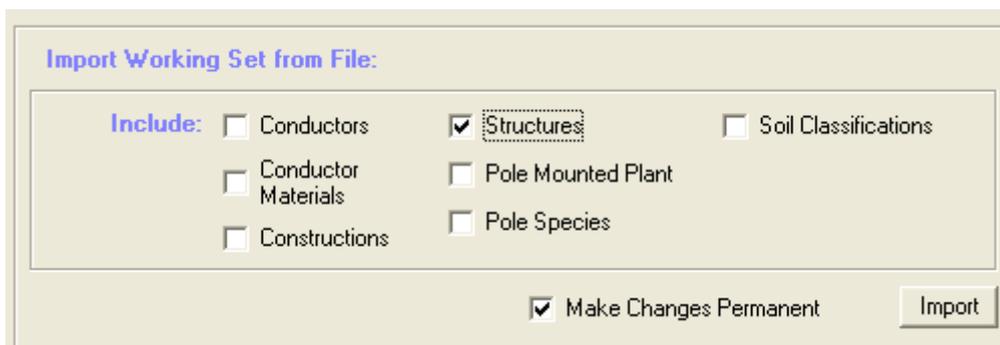
Thank you for purchasing a pole data set for Poles 'n' Wires. Installation instructions are given below and details of each data set follow.

After installing the pole data you will need to close and restart Poles 'n' Wires before you can use the data.

Installation

Version 6

1. Open Poles 'n' Wires
2. Go to Functions>Databases>Import/export Working Set Data
3. Tick **Structures** and **Make changes permanent** in the importing section as shown below



4. Click the Import button and browse to the file
5. Click Open

The data will be loaded and you will see a message giving a summary.

Version 7

Go to the menu on the main window File>Databases>Import pole data set. Browse to the .pnw data file and click Open. The data will be imported and a report displayed.

Energex data

Data in this file is from:

- Overhead Design Manual issued December 2015
- Standards alert ATDsA376C

1. There are 161 poles in the data file
2. Any existing record in the Structures database with the same code as a pole in this file will be replaced with the data in this file, so rename existing records if desired
3. These records have been given the set name Energex and will be added to any existing poles in that set
4. Average pole diameter is a calculated value for average above-ground diameter
5. Code names for the poles are derived from the name shown used in the ODM or if there is no name used, from the pole length and strength.
6. Stay/bollard poles have an additional S in the code to distinguish them from standard poles of the same length/strength.

Ausgrid

Data in this file is from NS220 issued February 2011.

1. Pole code is derived from the description eg 12.5m 8kN will be assigned the unique code AGW12.5/8 (AGW = Ausgrid Wood).
2. There are 34 poles in the data file
3. Any existing record in the Structures database with the same code as a pole in this file will be replaced with the data in this file, so rename existing records if desired
4. These records have been given the set name Ausgrid and will be added to any existing poles in that set
5. As Ausgrid requires limit state analysis fields relevant to limit state have been filled (Wind2 in the Structures database interface of version 6 is used for the Ultimate limit strength)
6. Average pole diameter is average above ground diameter
7. Vertical strength capacity (compressive) is calculated using details in Appendix F of AS7000:2010 assuming factors for an average sized hardwood pole

Essential Energy wood poles

Data in this file is from CEOM7101.03 amendment 5 issued 24/8/2011.

1. Pole code is derived from the description code eg 6PT100 and pole length, so a

- 12.5m 6PT100 will be assigned the unique code 6PT100/12.5
2. There are 168 poles in the data file
 3. Any existing record in the Structures database with the same code as a pole in this file will be replaced with the data in this file, so rename existing records if desired
 4. These records have been given the set name Essential Energy and will be added to any existing poles in that set
 5. As Essential Energy requires limit state analysis only fields relevant to limit state have been filled (Wind2 in the Structures database interface of version 6 is used for the Ultimate limit strength)
 6. Average pole diameter is average above ground diameter
 7. Pole mass is the above ground mass and is calculated using average density for S1 and S2 grade poles listed in AS1720.2
 8. Vertical strength capacity (compressive) is calculated using details in Appendix F of AS7000:2010 assuming factors for an average sized hardwood pole

Essential Energy steel poles

Data in this file is from CEOM 7102.05'4, 7102.06'5 and 7102.08'8

1. Pole code is derived from the description eg EE12.5S/16 is:

EE	12.5	S	/16
	length	S-steel, straight	strength (ULS)
		T-steel, tapered	
		C-concrete	
2. There are 23 poles in the data file
3. Any existing record in the Structures database with the same code as a pole in this file will be replaced with the data in this file, so rename existing records if desired
4. These records have been given the set name Essential Energy and will be added to any existing poles in that set
5. As Essential Energy requires limit state analysis fields relevant to limit state have been filled (Wind2 in the Structures database interface of version 6 is used

for the Ultimate limit strength)

6. Average pole diameter is average above ground diameter
7. As Essential Energy does not publish vertical strengths for these poles zero has been entered for vertical strength.

Ergon Energy

Data is from Ergon's overhead manual dwg 3064 Amd C July 2005 and dwg 3065 Amd B Feb 2003.

1. You have an choice of 2 data sets. The set named **Ergon wood poles** have a vertical strength of 0. It is recommended you use this set as Ergon does not provide the vertical strength of the poles.
2. The set named **Ergon wood poles nom vertical strength** have been given a nominal (ie not calculated) vertical strength of 200kN.
3. There are 120 poles in this set
4. Pole code is derived from the length, strength rating and Strength group. So a 9.5m pole with strength of 3kN of a S1 species will be coded as EGW9.5/3S1 (EGW = Ergon Wood)
5. Any existing record in the Structures database with the same code as a pole in this file will be replaced with the data in this file, so rename existing records if desired
6. These records have been given the set name Ergon Energy and will be added to any existing poles in that set
7. As Ergon Energy requires limit state analysis only fields relevant to limit state have been filled (Wind2 in the Structures database interface in version 6 is used for the Ultimate limit strength)
8. Average pole diameter is average above ground diameter

Rocla

Data in this file is from data sheets provided by Rocla.

1. Pole code is derived from the description and type of pole (pre-stressed concrete or Duraspun) eg 12.5m 8kN pre-stressed will be assigned the unique code RO-PS12.5/8.
2. There are 190 poles in the data file

3. Any existing record in the Structures database with the same code as a pole in this file will be replaced with the data in this file, so rename existing records if desired
4. These records have been given the set name Rocla and will be added to any existing poles in that set
5. Average pole diameter is average above ground diameter

Endeavour Energy

Data in this file is from ETS0051, ETS0052 and ETS0053 plus data for Ingal poles.

1. Pole code is derived from the properties of the pole plus the prefix END.
2. There are 70 poles in the data file
3. Any existing record in the Structures database with the same code as a pole in this file will be replaced with the data in this file, so rename existing records if desired
4. These records have been given the set name ENDEAVOUR and will be added to any existing poles in that set
5. Average pole diameter is average above ground diameter

Busck

Data in this file is derived from data sheets supplied by Busck.

1. Pole code is as used by Busck eg B9.5
2. There are 12 poles in the data file
3. Any existing record in the Structures database with the same code as a pole in this file will be replaced with the data in this file, so rename existing records if desired
4. These records have been given the set name Busck and will be added to any existing poles in that set
5. Only fields relevant to limit state have been filled (Wind2 in the Structures database interface in version 6 is used for the Ultimate limit strength)
6. Average pole diameter is average above ground diameter
7. If Busck does not specify Vertical strength capacity (compressive) for a particular pole a value of zero has been entered

Revision history, Filename pole data set instructions C.odt

Rev No.	Date	Details
A	12/07/16	Initial issue. Compilation of previously issued documents for each data set
B	4/3/19	Formatting
C	25/9/19	Energex data updated, StdA376C

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