



Weather Data Sets 2016 – FAQs

1. Where will I be able to find further details on weather data on the CIBSE website?

All updates will be published on www.cibse.org/knowledge/cibse-weather-data-sets. If you require any more information please contact our team.

2. What formats does the data come in - does the data come in the format I require?

The new packages are supplied in three formats - EDSL Tas, EPW & Excel.

The special formats of data have been prepared with the help of the major software manufacturers. Please check the formats supplied are appropriate for the tool that you will use before purchasing the weather files. Instructions on how to use the data with such software should be addressed to the support offered by the software manufacturer involved.

Note: If your software is looking for **.fwt files**:

This is the old format used in IES software. IES have now switched to using EPW files. Files in this format are included in CIBSE's 2016 weather data sets. However, as stated elsewhere, when used for compliance purposes (and only for this purpose as Regulations have not been updated) the old TRY sets are still required, and hence the software seeks .fwt formatted files. For this reason those sets are still made available on request.

3. What is the process for ordering the data set and making payment?

There are three simple ways to order:

1. Email: Fill out the order form and email it to pubsales@cibse.org
2. Phone: Call us on +44 (0)20 8772 3618
3. Post: Fill out the order form and post to:

Weather Data Sales Team
CIBSE
222 Balham High Road
London
SW12 9BS

A member of our sales team will then contact you to take payment.

4. How long does it take to receive my Weather Data when an order is made?

After payment has been received our team will email you a link to a DropBox file with your requested Weather Data Set.



5. What will the new data replace and what are new options available?

TRY

The TRY files have been updated to use a 30-year baseline, instead of the previous 21 years, the average months are selected from 1984 – 2013. This will ensure that the observed effects of climate change will be included in the selection of the months.

DSY

This update of the DSY is a slightly more complex. The warm year is selected from a 30-year baseline 1984 – 2013 and the procedure for selecting the warm year has changed. The methodology for selecting the warm years is the same as that used in [TM49: Probabilistic DSY for London](#). There are now 3 DSYs available per location, representing summers with different types of hot events:

- DSY1: Moderately warm summer
- DSY2: Short, intense warm spell
- DSY3: Long, less intense warm spell

All the above TRYs and DSYs are also available for future time periods based on the UKCP09 climate projections.

6. What is within the new data set in terms of the time lines or different parameters?

Please see the [Technical Briefing Document](#) for more information. This is available from a link on the main weather data webpage as referenced in FAQ1.

7. How much does the new data set that I require cost?

You can find out how much your required data set will cost by downloading our order form. There are separate forms for CIBSE members and non-members, the former benefitting from preferential pricing. These are available from links on the main weather data webpage as referenced in FAQ1.

8. Is there a discount for CIBSE members?

Yes, CIBSE members get a 10% discounted rate when purchasing Weather Data Sets. To become a CIBSE member visit <http://www.cibse.org/membership/why-join-cibse>.

9. Does the new range of products replace the old version?

Yes, the new range completely replace the old versions. However, it must be noted, that currently for compliance purposes the old Current TRY sets should still be used. CIBSE is in discussion with DCLG to update reference to the new sets when regulations are next updated. These old sets have a product code prefix of WT08, suffixed by site code - BEL for



Belfast, BIR for Birmingham, CAR for Cardiff, EDI for Edinburgh, GLA for Glasgow, LEE for Leeds, LON for London (all three sites - Heathrow, Gatwick and LWC), MAN for Manchester, NEW for Newcastle, NOR for Norwich, NOT for Nottingham, PLY for Plymouth, SOU for Southampton, SWI for Swindon, and SET for the full set of all 14 sites.

Note: if you have purchased Weather Data Sets from us in the past (after October 2015), you are eligible for a discount. If so, contact CIBSE PubSales (contact details below).

10. What sets do I need to meet the requirements of the GLA for overheating?

In London, the GLA requires that modelling is carried out using weather data and guidance from CIBSE 'Design Summer Years for London' (TM49: 2014). The guidance advises using weather files which account for both the UHI effect and for future climate change. In line with this, the 'GLA Energy Planning – Greater London Authority guidance' (April 2015) specifies that three different weather data files should be used in overheating analysis:

- 1976: a year with a prolonged period of sustained warmth.
- 1989: a moderately warm summer (current design year for London)
- 2003: a year with a very intense single warm spell.

The CIBSE data set for London contains each of these weather years for three London sites (urban, suburban and rural) in order to take account of the varying UHI effect. However, for buildings with long service lives or where overheating impacts are more critical, it is suggested that the building is modelled using more extreme ('future') weather data in addition to modelling against the three weather files above. For this reason the recommended TM49 dataset is product code WDD16LON, which includes future weather files as well as current DSYs for this purpose.

For more advice on which packages to choose please phone our team on +44 (0)20 8772 3618 or email pubsales@cibse.org