

19th June 2008

Verification of the Fuji Xerox Carbon Calculator

Opinion

In our opinion, the model used as the basis for the carbon calculator is a reasonable means for estimating the carbon emissions savings that would potentially result from changing the configuration of printing and copying devices within an organisation.

The assumptions made within the carbon calculator are reasonable, given the purpose of the calculator which is to provide an indication of potential emissions savings.

Data has been accurately transferred from the manufacturer's specifications into the calculator.

Manufacturers' specifications are currently the best available source of data for use within the calculator. However, indicative testing carried out by Energetics on a sample of the baseline equipment indicated that further investigation of the actual operating characteristics of the devices may increase the integrity of the calculator data.

Scope

Fuji Xerox Australia Pty Ltd requested Energetics to carry out an independent review of their Carbon Calculator (Version 10) in order to validate the model, test assumptions made and verify data.

The review process included:

- Comparison of figures for power consumption supplied in manufacturers' specification documents with figures used in the calculator;
- Metering the operation of a number of the devices in order to compare actual performance with that specified by the manufacturer;
- Review of the calculations; and
- Review of the emissions factors and other inputs.

Limitations to Scope

Baseline data regarding the typical device configuration for various industry sectors came from market research carried out by Fuji Xerox. This data was not verified by Energetics.

Where specification sheets were not available for a particular device, data for a similar device have been substituted based on technical advice within Fuji Xerox. The validity of these assumptions cannot be verified by Energetics.

Indicative electricity costs for use within the calculator were supplied by Energetics and therefore Energetics cannot independently verify these figures.



Any projection of our opinion to future periods is subject to the risk that the model, assumptions and data may become inadequate because of changes in conditions. The opinion expressed in this report has been formed subject to these limitations.

Recommendation

Fuji Xerox should implement a review procedure to ensure that the inputs to the calculator remain current and valid. In particular, this should include a review of:

- Carbon dioxide equivalent (CO₂-e) emissions factors;
- Electricity prices;
- Power consumption data; and
- Default device configurations.

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