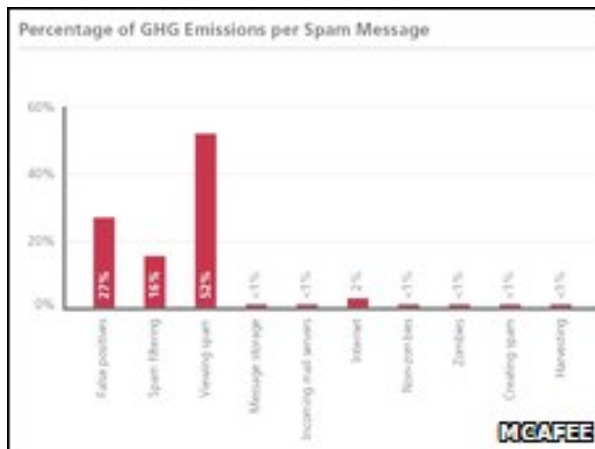


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## Spam 'produces 17m tons of CO2'



Spam emission breakdown

Percentage of green house gas emissions per spam message

A study into spam has blamed it for the production of more than 33bn kilowatt-hours of energy every year, enough to power more than 2.4m homes.

The Carbon Footprint of e-mail Spam report estimated that 62 trillion spam emails are sent globally every year.

This amounted to emissions of more than 17 million tons of CO<sub>2</sub>, the research by climate consultants ICF International and anti-virus firm McAfee found.

Searching for legitimate e-mails and deleting spam used some 80% of energy.

The study found that the average business user generates 131kg of CO<sub>2</sub> every year, of which 22% is related to spam.

Unwanted traffic

ICF say that spam filtering would reduce unwanted spam by 75%, the equivalent to taking 2.3 million cars off the road.

However, the ICF goes on to say that while spam filtering is effective in reducing energy waste, fighting it at the source is far better.

The report highlights the case of McColo, a US web hosting firm that had ties to spammers. The day after it was taken offline by its two internet service providers, global spam volume fell by 70%.

Although the respite was only temporary, McAfee said the "day without spam amounted to taking 2.2 million cars off the road" and that tackling spam should be part of the campaign to reduce carbon emissions.

Richi Jennings - an independent spam analyst who helped produce the report -

told the BBC that the figures were based on the extra energy use spent dealing with spam.

"The PC on our desks uses more power when they do work, so the numbers are based on the additional work they use when dealing with spam," he said.

The Spam Report follows only a few days after Symantec's bi-annual Internet Security Threat report, which found that spam had increased by 192%, with bot networks responsible for approximately 90% of all spam e-mail.

Mr Jennings said that while McAfee and Symantec had different ways of measuring spam, he was in total agreement with the bot network figure.

"Our report was based on mail that spammers attempt to send, including ones that are blocked by an ISP at source. Symantec only measures spam that is successfully sent.

"The vast majority of spam is sent via botnets. We've got Conficker building a fantastic network and you can bet your bottom dollar that it will wind up being used to send spam.

"There is speculation that the botnet Conficker is building up is owned and run by the owners of another active botnet - Waledac, itself probably connected to the classic Storm botnet - and the theory is that the owners are keeping their powder dry at the moment and will activate it once Waledac goes down."