Product carbon footprint

HP Z38c 37.5-inch Monitor
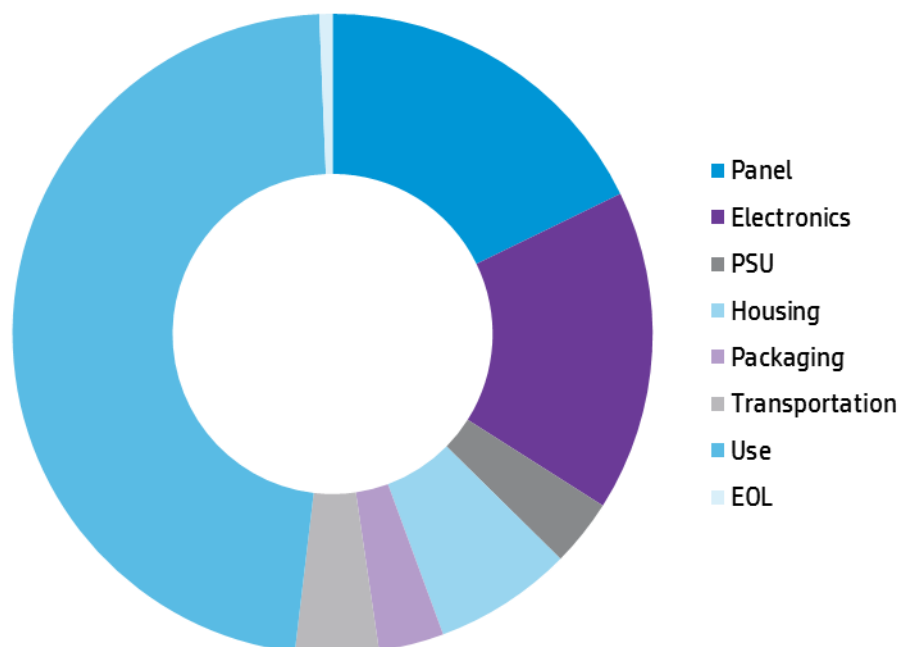
Estimated impact

$545-1340^{\dagger}$
$kgCO_2e$

†All estimates of carbon footprint are uncertain. HP Inc reports the 5th and 95th percentile of the carbon footprint estimate to reflect that uncertainty. For this product, that estimate has a mean of 935 kg of CO2-e and standard deviation of 275 kg of CO2-e. Other organizations might report this value as 935 +/- 275 kg of CO2-e.

As part of HP's commitment to continually improve the environmental performance of our products, we are focusing on better understanding the impacts that occur at different stages of the product life cycle through the use of product carbon footprinting (PCF). A product carbon footprint is defined as the total amount of greenhouse gases emitted directly and indirectly by a product over its lifetime. It includes emissions from materials extraction, manufacturing, distribution, use, and end-of-life management.

The information provided here was calculated using the PAIA tool[††] and represents the lifecycle carbon footprint of an industry-average display with the specifications listed in Under Assumptions on Page 2.
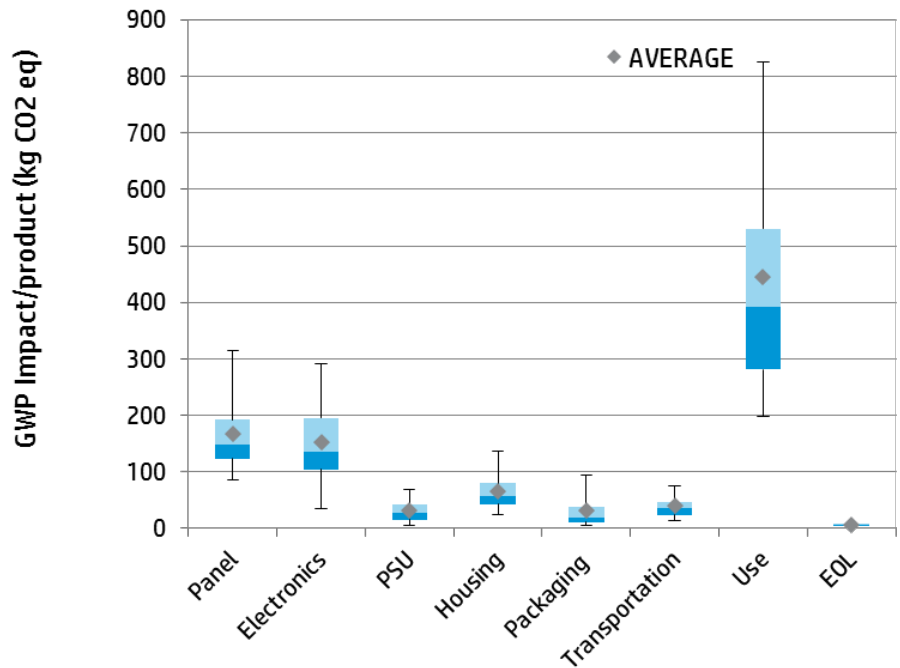
GHG emissions [percentage of total]

- Panel
- Electronics
- PSU
- Housing
- Packaging
- Transportation
- Use
- EOL

The plot below shows the uncertainty associated with the various elements of the product carbon footprint. Uncertainty in product carbon footprinting stems from differences in the data, assumptions, and methodology used. Since uncertainty can be quite large, results should not be compared with those of other products, but rather are intended to inform product design and life cycle management decisions.

GHG emissions [kg CO2 eq]

Assumptions

Lifetime of product	5 years
Use location	Worldwide
Use energy demand (Yearly TEC)	143.5 kWh
Screen size	37.5 inches
Product weight	14.3 kg
Final manufacturing location	China

Additional product environmental performance

Additional information about HP's carbon footprinting program can be found in HP's yearly Sustainability Report, which is available on the HP Sustainability website. The site also contains IT Eco Declarations, which provide product-specific environmental information, as well as information on HP's product recycling programs.

Learn more at
HP's Sustainability Website