

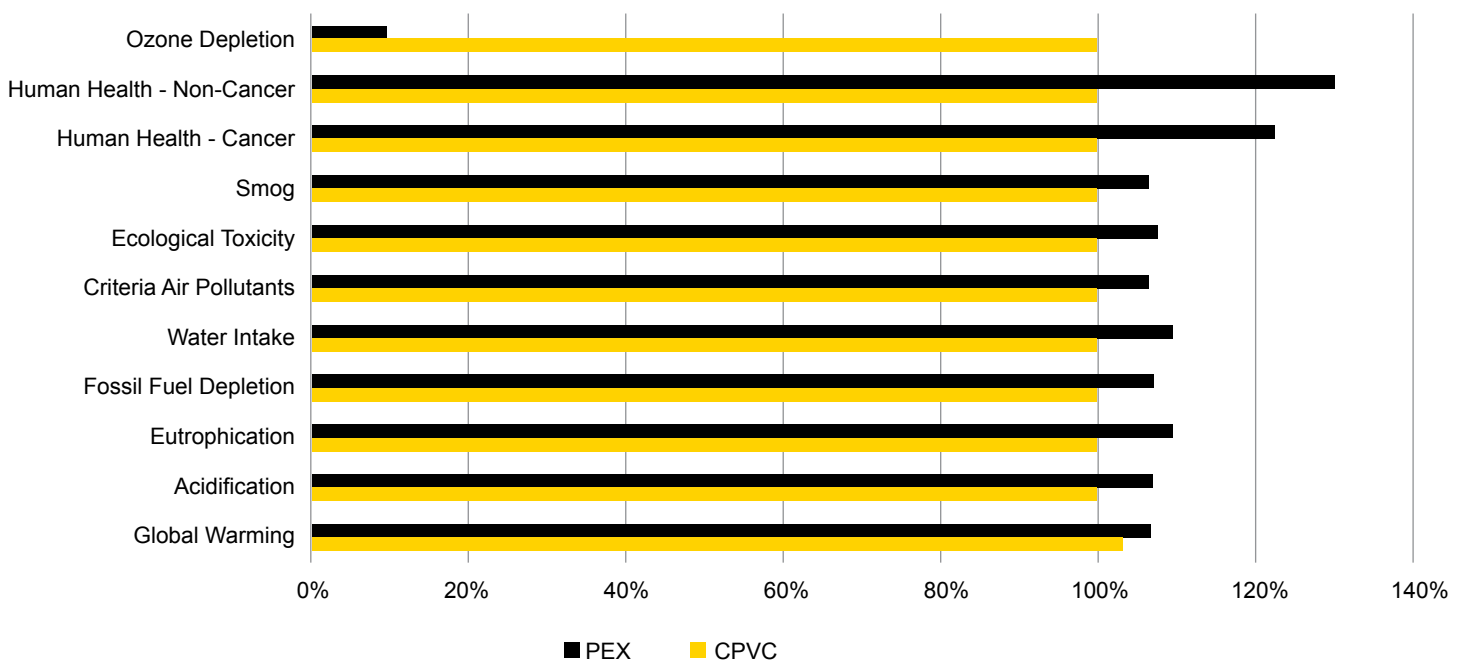
FLOWGUARD GOLD[®]

PIPE & FITTINGS

NOT A DROP OF DOUBT SINCE 1959

ENVIRONMENTAL IMPACT COMPARISON: CPVC VS. PEX – LIFE CYCLE ANALYSIS

CPVC outperforms PEX in 10 out of 11 categories.



CPVC rates 7-9% better than PEX on traditional environmental measures such as Global Warming and Air Pollution, and 20-30% better than PEX on Human Health measures.

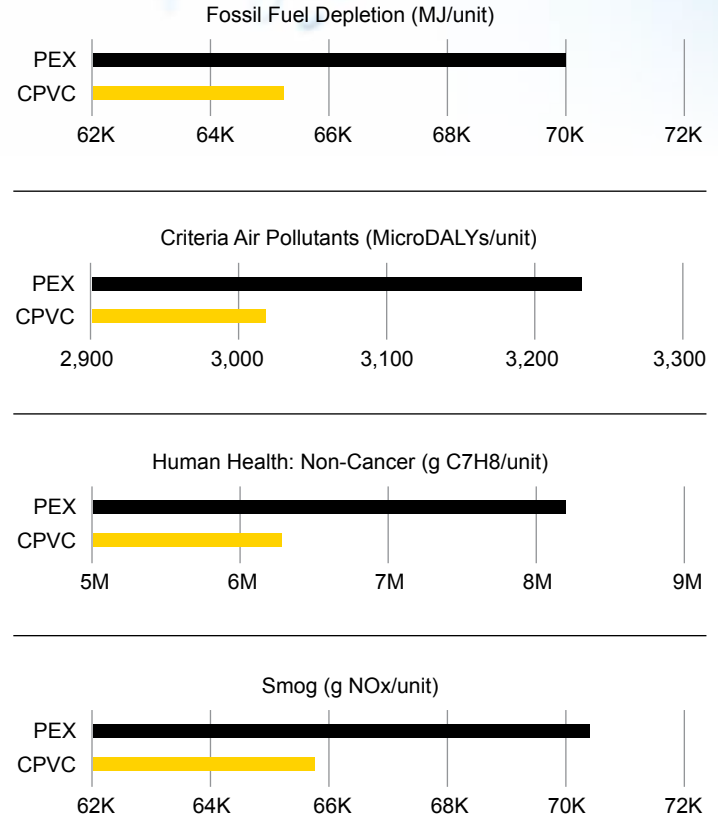
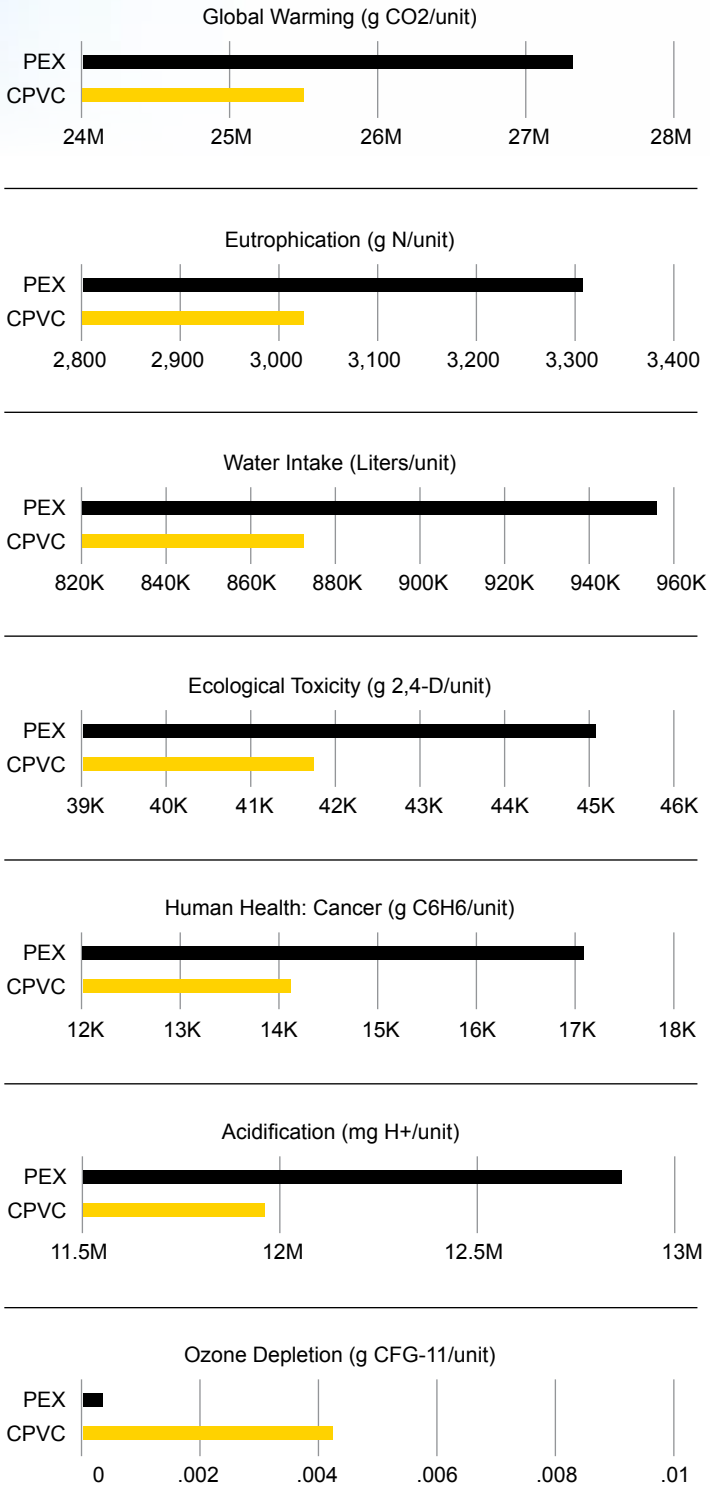
From the BEES Online software, published by the US Commerce Department (see more on page 2).

To see these identical results, use the following search criteria in the BEES database:

1. Environmental Impact Category Weights = No Weighting
2. Major Group Element = Domestic Water Distribution
3. Group Element = Hot & Cold Water Distribution – HCWD
4. Individual Element = HCWD Pipes in Larger House
5. CPVC Pipes (4402sf House), Clustered; Transportation Distance: 577 miles
6. PEX Pipes (4402sf House), Clustered; Transportation Distance: 577 miles

Note: Exact comparative values will change if any of these elements are altered, however a sensitivity analysis demonstrates that variation of these elements does not significantly change the comparative results in a qualitative manner.

The charts represented show the values and units of individual environmental impacts of CPVC and PEX piping as reported in the BEES Online software using the same criteria indicated on the front of this sheet.



Access the BEES online software yourself at:
ws680.nist.gov/Bees

BEES Information:

BEES Online was developed by the NIST (National Institute of Standards and Technology) Engineering Laboratory's Applied Economics Office. NIST is an agency of the U.S. Commerce Department. The BEES Online web application, aimed at designers, builders, and product manufacturers, includes actual environmental and economic performance data for 230 building products. The tool is based on consensus standards and designed to be practical, flexible, and transparent. BEES Online measures the environmental performance of building products by using the life-cycle assessment approach specified in the ISO 14040 series of standards. All stages in the life of a product are analyzed: raw material acquisition, manufacture, transportation, installation, use, and recycling and waste management.

The Information above was generated by the BEES Online Software on September 19, 2016 and assembled for this document by the Lubrizol Corporation, the information has been reformatted for presentation purposes. The data has not been altered and can be accessed in its original form using the BEES Online software and the search criteria noted on page one.

Have more questions about using FlowGuard Gold CPVC systems?
 Visit www.FlowGuardGold.com
 or call **855.735.1431** to speak with a piping systems consultant.

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