



Annual Environmental Impacts Report

	Old Paper	New Paper	Difference (Baseline - Target)	
Wood Use	77 tons	0 tons	77 tons	532 trees
Total Energy	1,229 million BTU's	910 million BTU's	318 million BTU's	3 homes/year
Purchased Energy	888 million BTU's	910 million BTU's	-22 million BTU's	homes/year
Sulfur dioxide (SO₂)	1,124 pounds	1,078 pounds	46 pounds	8 18-wheelers/year
Greenhouse Gases	240,890 lbs CO ₂ equiv.	131,724 lbs CO ₂ equiv.	109,165 lbs CO ₂ equiv.	10 cars/year
Nitrogen oxides (NO_x)	716 pounds	597 pounds	119 pounds	18-wheelers/year
Particulates	404 pounds	295 pounds	110 pounds	10 buses/year
Hazardous Air Pollutants (HAP)	40 pounds	6 pounds	33 pounds	
Volatile Organic Compounds (VOCs)	144 pounds	67 pounds	77 pounds	
Total Reduced Sulfur (TRS)	5 pounds	0 pounds	5 pounds	
Wastewater	572,390 gallons	392,000 gallons	180,390 gallons	swimming pools
Biochemical Oxygen Demand (BOD)	150 pounds	199 pounds	-49 pounds	homes/year
Total Suspended Solids (TSS)	243 pounds	226 pounds	17 pounds	homes/year
Chemical Oxygen Demand (COD)	1,976 pounds	906 pounds	1,071 pounds	2 homes/year
Adsorbable organic halogens (AOX)	14 pounds	0 pounds	14 pounds	
Solid Waste	85,832 pounds	40,789 pounds	45,043 pounds	2 garbage trucks

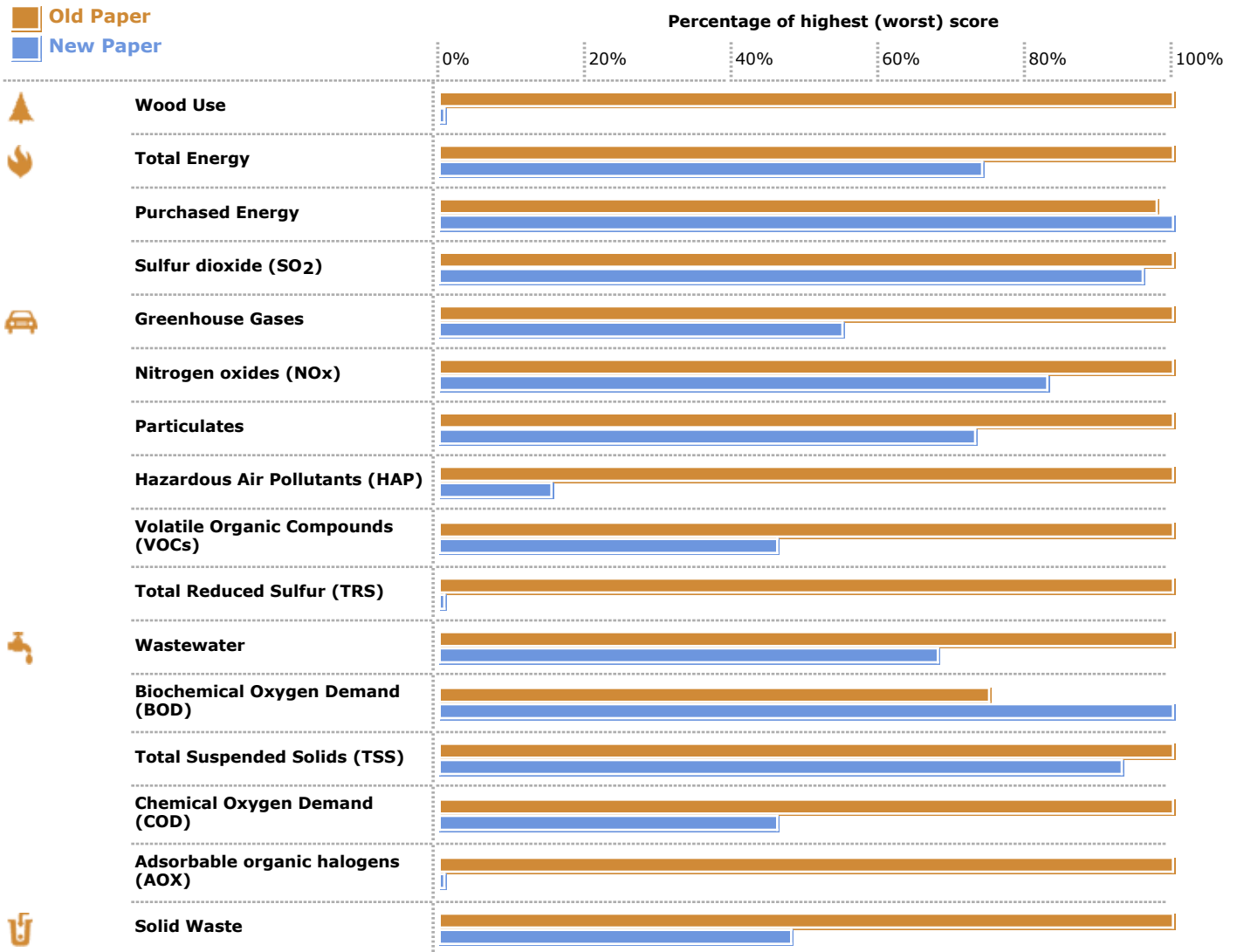
The Paper Calculator is based on research done by the Paper Task Force, a peer-reviewed study of the lifecycle environmental impacts of paper production and disposal. The underlying data is updated regularly.

For more information, contact Environmental Defense:
papercalculator@environmentaldefense.org

<http://papercalculator.org> | <http://environmentaldefense.org>



Annual Environmental Impacts Report



The Paper Calculator is based on research done by the Paper Task Force, a peer-reviewed study of the lifecycle environmental impacts of paper production and disposal. The underlying data is updated regularly.

For more information, contact Environmental Defense:
papercalculator@environmentaldefense.org

<http://papercalculator.org> | <http://environmentaldefense.org>

Old Paper

Coated Groundwood (e.g. standard magazine)

40 Tons

10% Postconsumer Recycled

PULP CONTENT OF PAPER 64%

PULP TYPES AND SOURCES

VIRGIN PULP TYPES

Kraft Bleached 45%

Kraft Unbleached 0%

Stone or pressurized groundwood 45%

Thermochemical (TMCP) 0%

RECYCLED PULP SOURCES

Recycled Office Paper (De-inked kraft) 10%

Recycled newspaper (Mechanical) 0%

Recycled corrugated containers (Non-deinked kraft) 0%

Mixed paper/board (Non-deinked mixed) 0%

KRAFT PULP BLEACHING TECHNOLOGY

Bleached 50% elemental (50% D) 1.08%

Bleached ECF (100% D) 26.1%

Bleached Enhanced ECF (100% D) 17.82%

KRAFT UNBLEACHED COMPOSITION

Linerboard 0%

Medium 0%

Integrated 0%

Non-integrated 0%



New Paper

Coated Groundwood (e.g. standard magazine)

40 Tons

100% Postconsumer Recycled

PULP CONTENT OF PAPER 64%

PULP TYPES AND SOURCES

VIRGIN PULP TYPES

Kraft Bleached 0%

Kraft Unbleached 0%

Stone or pressurized groundwood 0%

Thermochemical (TMCP) 0%

RECYCLED PULP SOURCES

Recycled Office Paper (De-inked kraft) 100%

Recycled newspaper (Mechanical) 0%

Recycled corrugated containers (Non-deinked kraft) 0%

Mixed paper/board (Non-deinked mixed) 0%

KRAFT PULP BLEACHING TECHNOLOGY

Bleached 50% elemental (50% D) 0%

Bleached ECF (100% D) 0%

Bleached Enhanced ECF (100% D) 0%

KRAFT UNBLEACHED COMPOSITION

Linerboard 0%

Medium 0%

Integrated 0%

Non-integrated 0%