



## Annual Environmental Impacts Report

	Baseline Paper	Target Paper I	Difference (Baseline - Target)	
■ <b>Wood Use</b>	4,576 tons	3,203 tons	1,373 tons	<b>9,504 trees</b>
■ <b>Total Energy</b>	50,640 million BTU's	44,025 million BTU's	6,616 million BTU's	<b>73 homes/year</b>
■ <b>Purchased Energy</b>	24,032 million BTU's	25,398 million BTU's	-1,367 million BTU's	<b>-15 homes/year</b>
■ <b>Sulfur dioxide (SO<sub>2</sub>)</b>	34,436 pounds	34,226 pounds	210 pounds	<b>38 18-wheelers/year</b>
■ <b>Greenhouse Gases</b>	7,511,059 lbs CO <sub>2</sub> equiv.	6,676,258 lbs CO <sub>2</sub> equiv.	834,801 lbs CO <sub>2</sub> equiv.	<b>76 cars/year</b>
■ <b>Nitrogen oxides (NO<sub>x</sub>)</b>	24,310 pounds	22,725 pounds	1,585 pounds	<b>6 18-wheelers/year</b>
■ <b>Particulates</b>	16,411 pounds	14,397 pounds	2,015 pounds	<b>180 buses/year</b>
■ <b>Hazardous Air Pollutants (HAP)</b>	2,839 pounds	2,047 pounds	792 pounds	
■ <b>Volatile Organic Compounds (VOCs)</b>	7,338 pounds	5,860 pounds	1,478 pounds	
■ <b>Total Reduced Sulfur (TRS)</b>	449 pounds	314 pounds	135 pounds	
■ <b>Wastewater</b>	25,179,259 gallons	21,714,181 gallons	3,465,078 gallons	<b>5 swimming pools</b>
■ <b>Biochemical Oxygen Demand (BOD)</b>	8,300 pounds	8,210 pounds	90 pounds	<b>homes/year</b>
■ <b>Total Suspended Solids (TSS)</b>	13,389 pounds	12,105 pounds	1,284 pounds	<b>6 homes/year</b>
■ <b>Chemical Oxygen Demand (COD)</b>	121,103 pounds	95,702 pounds	25,401 pounds	<b>55 homes/year</b>
■ <b>Adsorbable organic halogens (AOX)</b>	1,231 pounds	862 pounds	369 pounds	
■ <b>Solid Waste</b>	3,007,421 pounds	2,562,456 pounds	444,965 pounds	<b>16 garbage trucks</b>

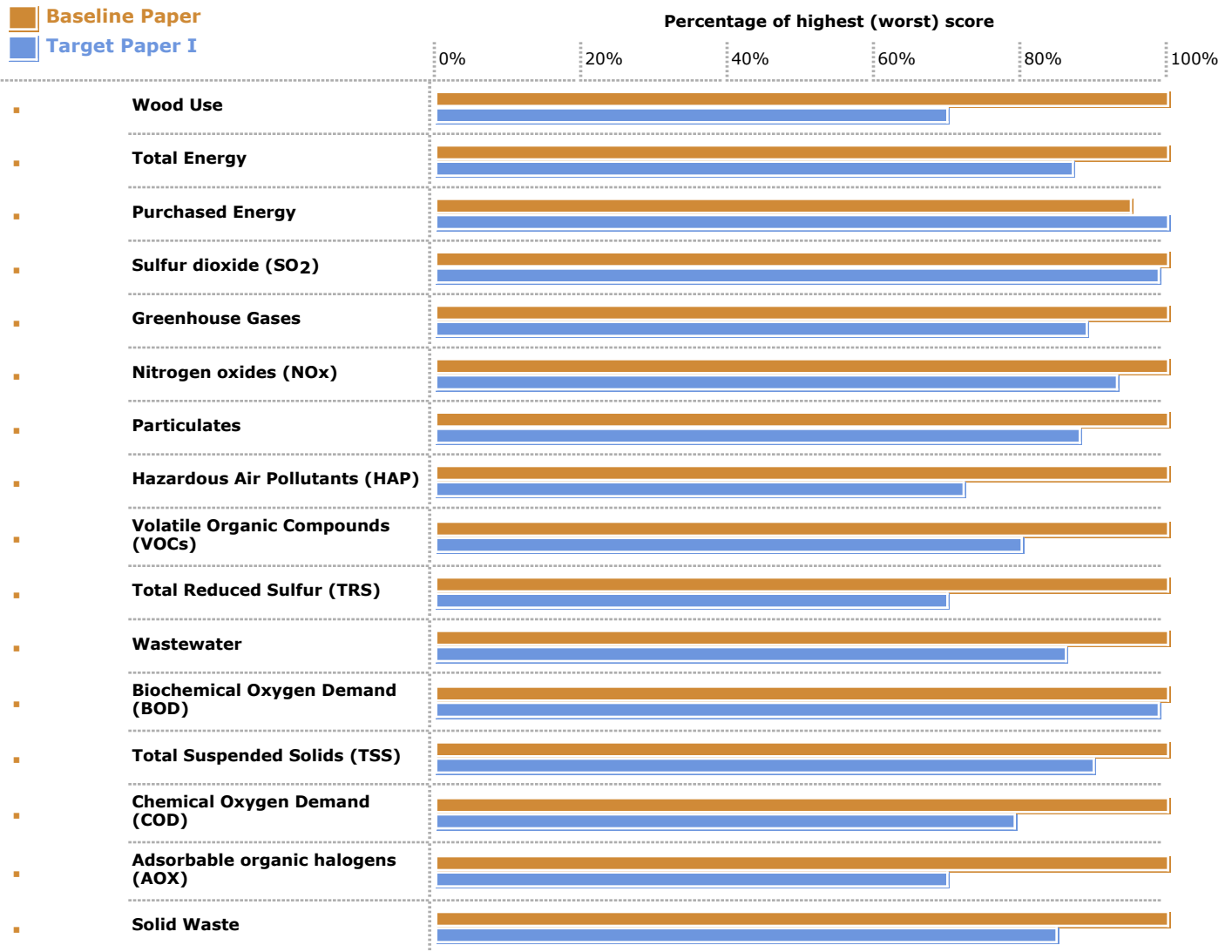
The Paper Calculator is based on research done by the Paper Task Force, a peer-reviewed study of the lifecycle environmental impacts of paper production and disposal. The underlying data is updated regularly.

For more information, contact Environmental Defense:  
[papercalculator@environmentaldefense.org](mailto:papercalculator@environmentaldefense.org)

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## **Baseline Paper**

**Uncoated Freesheet (e.g. copy paper)**

**1320 Tons**

**0% Postconsumer Recycled**

**PULP CONTENT OF PAPER 78%**

### **PULP TYPES AND SOURCES**

#### **VIRGIN PULP TYPES**

Kraft Bleached 100%

Kraft Unbleached 0%

Stone or pressurized groundwood 0%

Thermochemical (TMCP) 0%

#### **RECYCLED PULP SOURCES**

Recycled Office Paper (De-inked kraft) 0%

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) 2.4%

Bleached ECF (100% D) 57.9%

Bleached Enhanced ECF (100% D) 39.7%

#### **KRAFT UNBLEACHED COMPOSITION**

Linerboard 0%

Medium 0%

Integrated 0%

Non-integrated 0%



## **Target Paper I**

**Uncoated Freesheet (e.g. copy paper)**

**1320 Tons**

**30% Postconsumer Recycled**

**PULP CONTENT OF PAPER 78%**

### **PULP TYPES AND SOURCES**

#### **VIRGIN PULP TYPES**

Kraft Bleached 70%

Kraft Unbleached 0%

Stone or pressurized groundwood 0%

Thermochemical (TMCP) 0%

#### **RECYCLED PULP SOURCES**

Recycled Office Paper (De-inked kraft) 30%

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) 1.68%

Bleached ECF (100% D) 40.53%

Bleached Enhanced ECF (100% D) 27.79%

#### **KRAFT UNBLEACHED COMPOSITION**

Linerboard 0%

Medium 0%

Integrated 0%

Non-integrated 0%