



# SUSTAINABILITY PRACTICES



## MATERIAL

- Ranpak paper is made from all-natural kraft paper that is 100% biodegradable, recyclable and renewable
- Ranpak paper is available with up to 100% recycled content
- Ranpak paper can be easily recycled along with used corrugated boxes, newspapers or other paper waste
- Most of the virgin pulp material used in Ranpak's paper is derived from sawmill residuals (left over wood chips after the dimensional lumber is cut from a log). These are domestic trees, primarily pine and fir, harvested then replanted for the lumber and building material industry
- Ranpak works with SFI Certified paper suppliers ensuring our paper comes from a responsible source, backed by a rigorous, third-party certification audit
  - Ranpak's paper suppliers must also comply with the Lacey Act which prevents illegal logging practices

## MANUFACTURING

- Over 99% of Ranpak's manufacturing scrap is recycled or sold for reuse
  - Paper scrap and cardboard cores
  - Plastic from obsolete machinery
  - Returned machinery
  - Used equipment oil
- Preventative maintenance is performed routinely on all paper converting equipment to optimize uptime and energy efficiencies
- Scrap metal from the machines is separated and sold for reuse
  - Scrap is stored on site until a full truck load is available maximizing fuel efficiencies
- Ranpak continuously reviews our manufacturing processes to see where waste can be reduced and minimized

## TRANSPORTATION

- 5 manufacturing facilities located worldwide to optimize shipping distances to our distributors while reducing the carbon footprint
- Most of Ranpak's products can be double-stacked for optimized truck space utilization
- Navigation software is available to all of Ranpak's external sales force and service technicians to optimize trips for increased fuel efficiency and a lower carbon footprint
- Ranpak maintains a fleet of high-efficiency vehicles that are constantly updated ensuring the best fuel efficiency
- Ranpak offers free package design to all of our customers ensuring the optimal amount of material is used to maximize container space and transportation costs

## OFFICE

- Paper recycle bins located in all common areas to encourage employee recycling
- Employees are encouraged to turn off lights and computer equipment when not in use for increased energy savings
- Outsourced collateral material is printed on papers certified by FSC suppliers
- All obsolete computer equipment is recycled
  - Used toner cartridges are sent back to the manufacturer for recycling
- HVAC system is computer regulated to optimize heating/air conditioning usage and to save energy
- High efficiency toilets have been installed to reduce water usage and wastewater costs
- Printers have been programmed to use the 2-sided printing option as the default setting to reduce paper usage



For over 35 years, **Ranpak** has been and always will be **easy to use** and **recycle**.

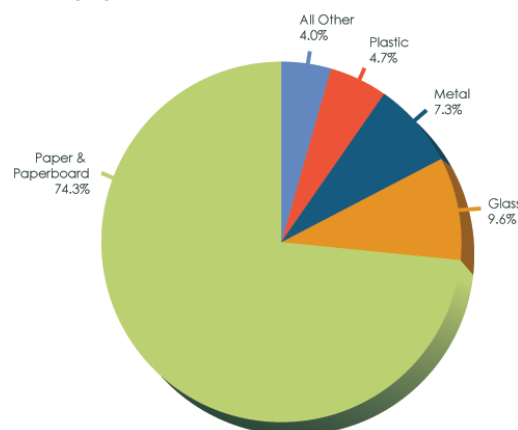
## Paper is Easy to Recycle

- Paper and paperboard accounted for nearly 75% of all packaging material recovered in 2007, making paper the most recovered packaging material<sup>4</sup>
- In 2008, a record high 57.4% of the paper consumed in the U.S. (51.8 million tons) was recovered for recycling<sup>4</sup>

## Plastic is Difficult to Recycle

- Only 10% of all households have the ability to recycle all plastics (resin identification codes #1-#7) in their community<sup>5</sup>
- Most are still made with #4 plastic, which, in 2006, less than 1% of #4 plastics were recycled nationally<sup>6</sup>
- When communities do accept plastics for recycling, it is usually #1 or #2, not #4<sup>6</sup>

Packaging Recovery



2007 Packaging Recovery Rates  
www.paperrecycles.org



## Additional Benefits of Ranpak's Paper Packaging

### Disposal

Ranpak paper is 100% recyclable and biodegradable. It can be easily recycled along with used corrugated boxes, newspapers or other paper waste.

### Renewable Source

Most of the virgin pulp material used in Ranpak's paper is derived from sawmill residuals (left over wood chips after the dimensional lumber is cut from a log). These are domestic trees, primarily pine and fir, harvested then replanted for the lumber and building material industry.

### Sustainable Source

The forest products industry plants more than 1.7 million trees per day, growing more than is harvested annually to ensure a reliable source of raw materials. Over the past 50 years, the forests in the U.S. have increased by nearly 40% and by 10 million acres between 1987 and 2002<sup>7</sup>.

### SFI Certified Paper Suppliers

Ranpak works with SFI Certified paper suppliers ensuring our paper comes from a responsible source, backed by a rigorous, third-party certification audit.



<sup>4</sup>www.paperrecycles.org, 03/16/10

<sup>5</sup>www.americanchemistry.com/plastics, 03/16/10

<sup>6</sup>www.greenerchoices.org, 03/16/10

<sup>7</sup>www.abundantforests.org, 03/16/10