## Environment.aspx

Laddawn manufactures Smart Tech Bags™ in the United States using 100% renewable energy.

Smart Tech Bags™ are the perfect blend of technology and source reduction -- balancing strength, gauge, and cost to reduce the toxicity and amount of trash entering the waste stream.

Greater and more reliable physical performance enables you to buy lower gauge (thinner) bags, film and tubing, and increases the likelihood of reuse.

### Reduce / Reuse

Using less is the best way to save landfill space and energy and to reduce greenhouse gases. For every ton of low density polyethylene (LDPE) reduced or reused, energy consumption is lowered by 74 million BTUs.

That’s a little more energy than is required to power an average family car for one year. You’ll also reduce greenhouse emissions by 0.62 metric tons. ⱡ

### Recycle

Recycled plastics use about two thirds less energy than virgin material because they don’t have to be transformed from their raw state.

For every ton of LDPE recycled, 56 million BTUs of energy are saved. You’ll also reduce greenhouse gas emissions by 0.46 metric tons. ⱡ

### Smart Manufacturing

Not only are products made with Smart Tech Bags™ technologies non-toxic and completely recyclable, their production employs best practices to reduce energy consumption.

Better still, the manufacturing of Smart Tech Bags™ yields 0% pre-consumer waste.

### Energy Consumption & Greenhouse Gases

Manufacturing processes are energy intensive and almost all of the electricity produced in the U.S. comes from the combustion of fossil fuels like oil, coal and natural gas.

Carbon dioxide (CO2), a primary byproduct of fossil fuel combustion, is one of the most common greenhouse gases, which are recognized as contributing to global climate change.

Over 20 billion tons of CO2are generated through the combustion of fossil fuels alone each year. That is about two times the amount of CO2 that nature can convert.

*That’s it? And your point about Laddawn was? Text that follows taken from catalog:*

Smart Tech Bags™ are manufactured in the United States using 100% renewable energy. Laddawn now buys renewable energy generated from sources like wind and solar. For every 13,000 MWh of traditional electricity we eliminate from the manufacturing process, we avoid 18 million pounds of CO2 emissions. That’s the equivalent of taking 1,740 cars off the road for 1 year. §

### Plastic in Waste Stream

Over two thirds of garbage going into landfills is theoretically biodegradable. In reality, relatively little decomposition ever takes place. Source? <http://cullenmurphy.com/rubbish-the-archaeology-of-garbage> ?

Biodegradation happens when organic materials are exposed over time to the proper amounts of micro-organisms, moisture, oxygen and heat.

Unlike compost piles, where organic materials are cut up, stirred and kept moist, waste entering landfills is condensed and entombed.

*This topic is a bit of a tap dance. I might even consider eliminating it. Your point seems to be– “nothing is truly biodegradable, so what’s a little more plastic added on to the pile+”?*

*Biodegradability seems to be beside the point – one of the environmental issues with garbage, and in particular plastic waste, escaping the landfill or never reaching it:* [*http://www.nytimes.com/2009/11/10/science/10patch.html*](http://www.nytimes.com/2009/11/10/science/10patch.html)

*Some argue that paper bags are worse than plastic precisely because they are biodegradable, and in the process give off methane, another greenhouse gas.*

*The answer to “plastic in the waste stream” is already made elsewhere – reduce, reuse and recycle (and decrease population, but we won’t go there!)*

### Distributors

Bags, film and tubing made with Smart Tech Bags™ technologies are available exclusively through America’s packaging distributors.

If you are an end user, insist on Smart Tech Bags™ from your local packaging distributor.

If you are a packaging reseller, contact us at technicalservice@smarttechbags.com to become an authorized distributor of Smart Tech Bags™ products.

ⱡ Source: U.S. EPA/ Northeast Recycling Council (NERC)

§ Source: U.S. Department of Energy