

Business Energy Success Story

PolyFlex, Inc. – Walworth, Wisconsin

Background:

In 2001, PolyFlex used 4,304,615 pounds of plastic resin to blow mold 379,406 basketball hoop bases - for just one customer!

PolyFlex makes parts for a variety of products. To meet growing customer demand, the company wanted to add new, more energy-efficient equipment to their line.



Alliant Energy solution:

With the help of Alliant Energy and the [Shared Savings](#) program, in 2001 PolyFlex purchased a dual head Davis-Standard blow molder to replace its existing 1980's vintage blow molders.

By running chilled water through the product die, the new blow molder and ancillary equipment are able to cool the part much faster and quickly discharge it from the machine.

Results:

The new blow molders allow PolyFlex to reduce energy costs per part as well as labor and material costs since the new machines also use less resin per part.

"The new blow molder has increased production and uses 18 times less energy per part for the same product – thanks to state-of-the art production and cooling techniques," said Chris Seitz, Alliant Energy account manager serving PolyFlex.

"When production is increased using this faster cooling technology, the energy that was wasted between part production cycles with the old machine is now used to make additional parts," said Dick Van Landuyt, PolyFlex general manager.

Recommendation:

PolyFlex has purchased a total of eight blow molders through Alliant Energy's Shared Savings program. Since 1996, Shared Savings has provided PolyFlex with over \$6,000,000 for new, energy-efficient equipment.

"Shared Savings provided the funds to streamline our operation and we are repaying Alliant Energy out of energy savings," said Landuyt. "It's just a great program."

Learn more:

[Shared Savings performance contracting](#)