



BORN GREEN

SUBARU OF INDIANA AUTOMOTIVE INC.'S ENVIRONMENTAL STORY



DEFINING
SUSTAINABILITY
AT SIA:

Operating in a way that
meets our current needs
without compromising the
needs of the future.

BORN GREEN

In this day and age, consumers have an abundance of choices when it comes to buying “green” products. When it comes to purchasing a vehicle, the same is true.

While “green” technologies in automotive design are continually evolving, Subaru ensures that its vehicles are green from the moment they are “born”. Beginning with the huge coils of steel that are stamped into parts and ending with the rev of the engine as the vehicle is driven off the production line, every Subaru built at Subaru of Indiana Automotive, Inc. (SIA) is built with environmental stewardship as a guiding principal.

GREENFIRSTS

Being an environmental steward means that you are always thinking of the future. This forward-thinking has helped SIA achieve many firsts in our industry.



ISO certification means that an organization has met a specific set of standards developed by the International Organization of Standardization. ISO certification is internationally recognized.

- 1994:** 1st U.S. auto plant to become smoke-free
- 1998:** 1st U.S. auto plant to earn ISO 14001 Certification for Environmental Management
- 2002:** 1st U.S. auto plant to implement an on-site solvent recovery and reuse system
- 2003:** 1st U.S. auto plant to be designated a Backyard Wildlife Habitat by the National Wildlife Federation
- 2004:** 1st U.S. auto plant to achieve zero landfill
- 2012:** 1st U.S. auto plant to earn ISO 50001 Certification for Energy Management



the spirit of **KAIZEN**

"Kaizen" is a Japanese term that means "continuous improvement". At SIA, every Associate is encouraged and rewarded for finding ways in which we can improve quality, safety, efficiency and environmental stewardship.

The vast majority of the Kaizens implemented at SIA have come from the Associates on the production floor. It is their inventiveness and dedication that have helped SIA become a leader in environmental stewardship.



REDUCE

SIA's waste reduction efforts yield the largest return

Because SIA has reduced the amount of waste generated, we reduce the cost of shipping, handling and storing the material.



LEFT:

In the past, SIA would order coils of steel in stock sizes. By custom ordering coils to our exact needs, we've reduced steel waste significantly. Since 2000, SIA has reduced waste per unit by 55%.

TOP:

SIA now uses Ultrasonic technology to test its welds. This process results in more accurate testing and eliminates steel waste caused by traditional destructive weld testing.

BOTTOM:

By asking our parts suppliers to switch to boxes with partial tops, SIA has reduced cardboard waste. We've also reduced the need for box cutters, which improves safety.



REUSE

By reusing materials, SIA reduces costs and environmental impact.



OPPOSITE PAGE & TOP LEFT:

Plastic caps that are used to protect parts during shipping are collected and sent back to suppliers.

BOTTOM LEFT & RIGHT:

Plastic and Styrofoam packaging used to protect parts during shipment are sent back to suppliers to be reused.

TOP RIGHT:

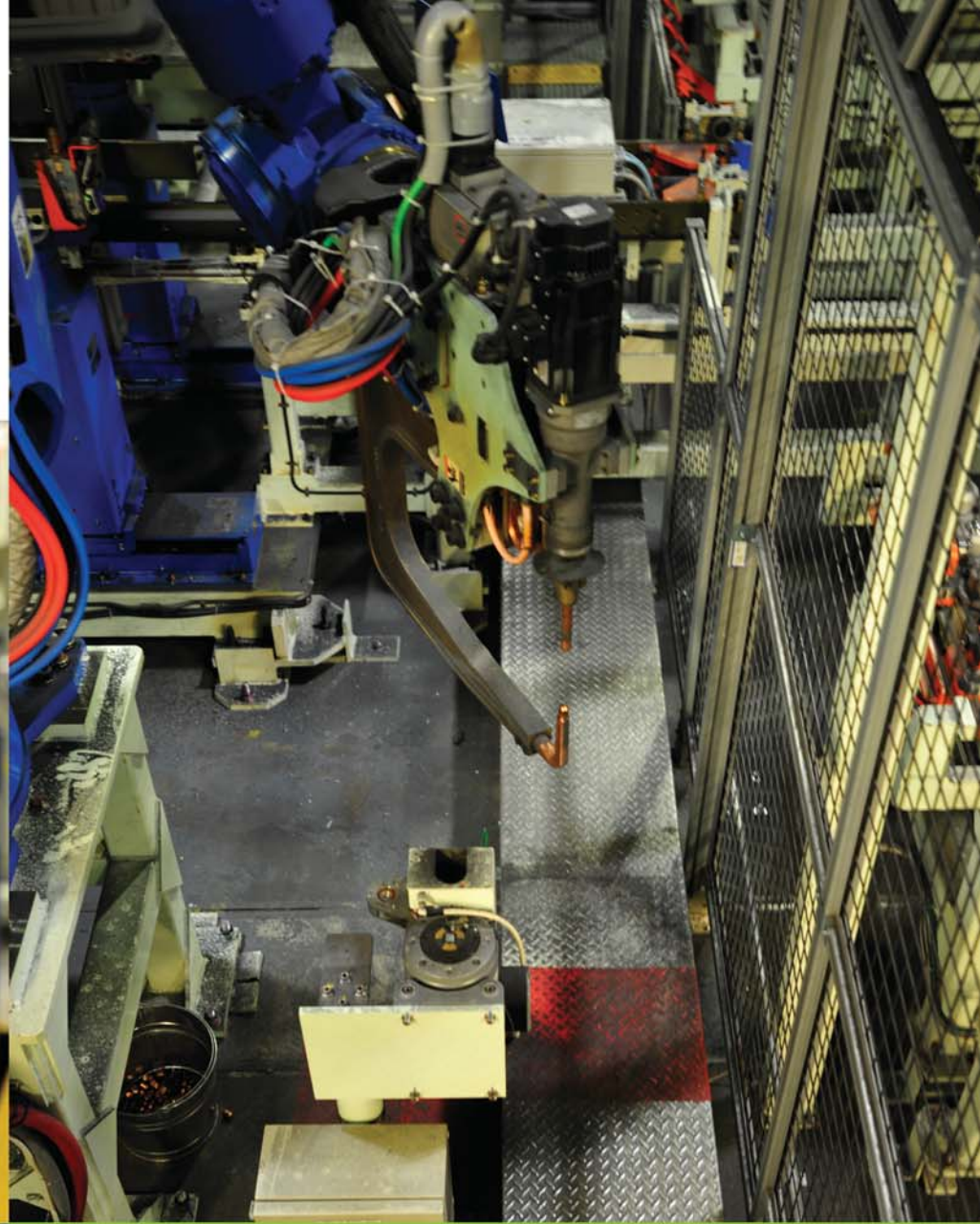
SIA works with suppliers to switch from cardboard boxes to reusable plastic totes.



RECYCLE

H020
WEIGHT: 304

SIA recycles
99.96% of our
waste generated



even our dust

At SIA, nothing is too small to recycle. Even the dust that is produced from weld slag in our body shop is swept into drums and then sent to a recycling facility where the copper can be reclaimed.

ZERO LANDFILL

If you had breakfast this morning and put your napkin in the trash, you've already sent more to a landfill than SIA's 3.5 million square foot plant has since 2004.

Putting it all into perspective

In 2014, SIA recycled

32,583

tons of scrap metal

690

tons of cardboard and paper

79

tons of wood

It can be difficult to put into perspective the true impact of SIA's environmental initiatives.

Think of it
this way...



123,901,000

kw-hrs of electricity

This is enough power to fulfill the annual electricity needs of more than 15,110 homes

The recycling of this quantity of packaging and raw materials avoided their manufacturing and disposal, thereby conserving:



11,829,000

gallons of water

This is enough water to meet the daily freshwater needs of 157,720 Americans



40,500
gallons of gasoline

This is enough gasoline to drive 1,134,000 miles in a Subaru Outback



29,100
mature trees

This is enough timber to produce more than 360,549,000 sheets of newspaper



71,300
cubic yards of landfill airspace

This is enough airspace to fulfill the municipal waste disposal needs for 91,549 Americans for one year



782,000
gallons of oil

This is enough energy to heat and cool more than 3,876 homes for one year



Subaru of Indiana Automotive was the first
U.S. auto manufacturer to be designated a

BACKYARD WILDLIFE HABITAT

by the National Wildlife Federation



We preserve the land, water and air around us to provide a clean and healthy environment for native plants and wildlife to thrive.





One of SIA's projects, a 30-acre prairie restoration, hosts a variety of plants including some with deep root systems that help to intercept and break down pollutants. By restoring the grounds with native plants, we also help attract and support native wildlife.

At lunch, SIA Associates put any food waste into collection bins. The compostable material is placed into an in-vessel composter where it is turned into nutrient-rich compost that Associates can take home to their own gardens.



In 2013, SIA reduced food waste by 28,539 pounds



Born from the ideas and innovation of our Associates, SIA's environmental stewardship continues to evolve and grow. We are fortunate to be able to share our best practices with other businesses, schools and organizations and have benefited from a **net savings of over \$1 million per year** over the past five years. And over the years, as we've achieved milestones and successes, we've been honored to receive several awards recognizing our efforts along the way.

- 2003: *Received 2003 Governor's Award for Environmental Excellence (Recycling/Reuse category)*
- 2006: *Received 2006 Governor's Award for Environmental Excellence (Five Years Continuous Improvement category)*
- 2006: *Received 2006 EPA WasteWise New Partner Gold Achievement Award*
- 2007: *Received 2007 EPA WasteWise Industrial Material Recycling Gold Achievement Award*
- 2008: *Received 2008 EPA WasteWise Climate Change Gold Achievement Award*
- 2010: *Received 2009 EPA WasteWise Community Involvement Gold Achievement Award*
- 2011: *Named "Greenest Manufacturing Plant in America" at the 15th Annual Urban Wheel Awards*
- 2011: *Received American Manufacturing Strategies' Green Manufacturing Award*
- 2012: *Named finalist for Sustania Award, an international award recognizing sustainable solutions around the world*
- 2013: *Received Campbell Institute/Stewardship Action Council Innovation Challenge Award for zero waste achievement*
- 2014: *Received 2014 Governor's Award for Environmental Excellence in the category of Energy/Renewable Resources*

Although there are many advantages to being "green", in the end, SIA makes the choice to be good stewards of the environment because it is the right thing to do.





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www.subaru-sia.com