

NESTLÉ JACKSONVILLE



As the leading nutrition, health and wellness company, Nestlé strives to enhance the quality of life for consumers everywhere with tasty, nutritious, and healthy food and beverages. They understand this sense of well-being also

requires their products are made in a caring and responsible way which helps to preserve the environment for future generations.

The Nestlé Jacksonville facility has steadily looked for improvement opportunities over the past two decades. This vision has resulted in environmental sustainability being engrained into the facility where they are focused on Reduce, Reuse, and Recycle programs. Since 2010, they have reduced the volume of material sent to landfill by 84%. They sent 496 tons in 2010 and reduced that to 81 tons in 2013. Production waste and the volume of material sent for recycling has also been reduced an additional 614 tons through a focus on converting to reusable materials.

In addition to waste minimization programs at the Nestlé Jacksonville facility, they have also pursued energy saving options. As an example, in 2010 they completed an interior lighting upgrade that reduced lighting energy usage 54% (or 1,236,331 kWh). In 2013, they completed an exterior LED lighting upgrade that reduced usage by 59% (or 50,918 kWh saved), installed 10 light tubes as a pilot trial in the facility to bring in natural lighting into the office area, and installed a 70 kW solar array that powers all exterior lights, its company store, and the security office.

“Environmental sustainability is one of our ten business principles.”

Daniel Gunasekaran
Group Engineering Manager,
Nestlé Jacksonville



istc.illinois.edu/govsawards

KEY STATISTICS

	1,110 tons of waste diverted from landfill annually since 2014
	50% of efficient installations originated as ideas from factory floor staff
	\$900,000 in annual savings from energy efficient upgrades

ABOUT NESTLÉ JACKSONVILLE

Location: Carnation Dr., Jacksonville, IL

of employees: **184**

Producer of: Food and beverage components

NAICS code: **311514**

Website: www.nestle.com

ABOUT THE ILLINOIS GOVERNOR'S SUSTAINABILITY AWARD

Since 1987, ISTC has presented Illinois Governor's Sustainability Awards to organizations in Illinois that have demonstrated a commitment to sustaining our environmental and economic health.

Any Illinois public or private organization is eligible to apply.

Find out more at:
istc.illinois.edu/govsawards
or email istc-info@illinois.edu



INGREDIENTS FOR SUCCESS

A breakdown of strategies and technologies that help Nestlé Jacksonville pursue true sustainability:

People

- ✓ Strong cultural engagement programs
- ✓ Encourages ideas from factory floor
- ✓ Shares lessons with other facilities

Planet

- ✓ Zero landfill commitment
- ✓ A net neutral company store
- ✓ Revival of urban agriculture

Prosperity

- ✓ High efficiency lighting
- ✓ Waste to energy via incineration
- ✓ Solar panel array for renewable energy

ABOUT ISTC

The Illinois Sustainable Technology Center is a division of the Prairie Research Institute at the University of Illinois at Urbana-Champaign.

ISTC's mission is to encourage and assist citizens, businesses and government agencies to prevent pollution, conserve natural resources and reduce waste to protect human health and the environment of Illinois and beyond.

Visit our website at: istc.illinois.edu

JOURNEY TO ZERO LANDFILL



In early 2013 Nestlé's Jacksonville environmental network set a lofty goal to have their factory achieve zero waste to landfill by the end of that year. They worked as a team to make that goal a reality. The network worked with representatives from all four U.S. beverage factories – Jacksonville, IL, Freehold, NJ, Waverly, IA, and Anderson, IN – and formed the Nestle Beverage Environmental Network. Collectively they worked on solutions to achieve zero landfill status at all four factories.

The team shared best practices and applied cross functional learning to identify ways to reduce waste, recycle the remaining waste, and capture the energy from what couldn't be recycled in the form of heat or in other words, a "waste-to-energy" program. The captured heat is either converted to electricity which feeds back to the electric grid or the heat is used to generate steam production for municipal use. During 2013, 81 tons of waste was diverted from landfills. In 2014 and 2015, the network recorded zero waste going into landfills.

As they continue their journey, the Nestlé Jacksonville factory is constantly looking at how they can improve their environmental performance. Efforts to improve production efficiency starting in 2011 proved so successful that they formed the key impetus that helped propel the Jacksonville facility toward its zero waste goal.

The next phases in their sustainability journey are to learn new technologies, continue to engage employees about sustainability, and teach others to reapply these lessons (at home and work).