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Illinois Sustainable  
Technology Center

**NEWS**

## FEBRUARY 2020 FOOD & BEVERAGE MANUFACTURING NEWS



### **The basics of cleaning and sanitation in food plants**

*Food Engineering, January 7, 2020*

Understanding the difference between cleaning and sanitizing is critical.

When deciding how to clean and sanitize your equipment, [consider its environmental impact](#). ISTC's technical assistance engineers can help you improve your environmental footprint and save money. [Schedule a site visit today](#).

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## Brewer perfects algae solution to remedy beer's impact on climate change

*The New Daily, 01/15/20*

In an Australian first, a 400-litre bag of algae has been installed at a Sydney brewery to reduce carbon emissions and produce food, pharmaceuticals and even bio-plastic. [Read the New Daily story](#) or [watch the video from ABC News \(Australia\)](#) about the project.

In related research, a [University of Maryland scientist](#) is studying whether spent grain might prevent algal blooms when added to small ponds. [Read more about her project in Outside Magazine](#).



## Nestlé to invest up to \$2B in sustainable packaging

*Supply Chain Dive, 01/17/20*

Nestlé [plans to spend as much as 2 billion Swiss francs](#) (\$2.1 billion) to shift its packaging from virgin plastics to food-grade recycled plastics and increase its development of more sustainable solutions.

The food giant said it will buy up to 2 million metric tons of food-grade recycled plastics and devote more than 1.5 billion Swiss francs (\$1.6 billion) to pay a premium for these materials between now and 2025.

The company also will launch a sustainable packaging venture fund with 250 million Swiss francs (\$260 million) to invest in start-up companies focusing on these areas.



## Perrier reveals winners of its sustainable innovation program

*Packaging Insights, 02/03/20*

Nestlé's French bottled water brand Perrier has launched The Next Packaging Movement, a sustainable innovation program to allow for better collaborative packaging solutions.

Perrier selected three winners that address different aspects of packaging challenges, ranging from source materials, alternative solutions beyond the bottle and packaging end-of-life. With Perrier's support, the projects aim to bring their solutions to market by 2025. The three winners include:

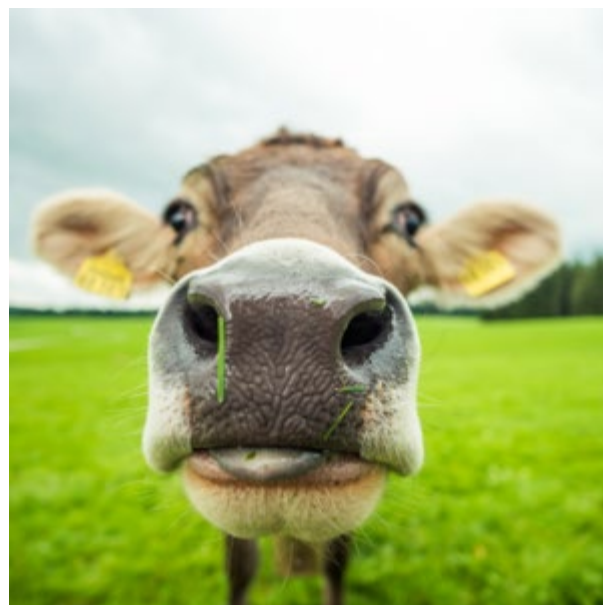
- **Biotic:** A bio-based and biodegradable plastic, produced from agricultural waste. The project also creates well-paying jobs for women in Africa, where it's based.
- **Flexikeg & Perrier:** An "eco-llaboration" to deliver beverages, including water, in a re-usable flexible keg with the aim to reduce plastic waste and carbon emissions.
- **PlastiSkul:** Micro factories for waste transformation that combine low- and high-tech solutions from waste collection to transformation. The factories can be implemented in developing countries and have a strong social impact, including a training program for local entrepreneurs.



## Turning cow waste into clean power on a national scale

*The Hill, 01/28/20*

Dominion Energy, Vanguard Renewables, and the Dairy Farmers of America are collaborating on the first nationwide waste-to-energy project for dairy. Dominion Energy and Vanguard already have a renewable natural gas partnership with Smithfield Foods. By harnessing methane from livestock manure in both projects, the company hopes to simultaneously heat homes and combat climate change.



## Tyson Foods starts coalition to tackle sustainable protein

*Food Dive, 01/22/20*

Tyson Foods has created the [Coalition for Global Protein](#), a group that will focus on efforts to advance the future of sustainable protein. The



coalition will include leaders from the protein industry, academics, non-governmental organizations and financial institutions. The first meeting took place at the World Economic Forum in Davos, Switzerland.

The purpose of the coalition is to get groups in the food and agriculture sector to identify and implement creative solutions to sustainably feed the world's growing population and address issues like food waste and conservation.



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## OTHER STORIES

### Breweries, distilleries, & wineries

- [English wine industry 'must do more to be sustainable'](#) [*The Drinks Business*, 02/12/20]

### Climate

- [General Mills earns spot on sustainability A List](#) [*Food Business News*, 02/04/20]
- [Nestlé pushes innovation with plant-based partnership](#) [*Food Manufacture*, 01/24/20]

### Energy, water, & waste

- [Danone invests in food waste start-up Phenix: 'We can reinvent tomorrow's food system'](#) [*Food Navigator*, 02/11/20]
- ['Use by' or 'best before'? Nestlé signs food waste pact to tackle label confusion on-pack](#) [*Food Navigator*, 02/04/20]

### Packaging

- [40% of food in America ends up in the trash. Is nanopackaging the answer?](#) [*Massive Science*, 02/02/20]
- [Berry growers commit to 100 percent recycle-ready packaging](#) [*AndNowUKnow*, 02/04/20]
- [GoGo squeeZ to transition to 100% recyclable pouches by 2022: 'This is a critical step in the evolution of our brand'](#) [*Food Navigator*, 01/21/20]
- [Nestlé launches second product in recyclable paper packaging as part of its 2025 plastic waste pledge](#) [*Confectionery News*, 01/29/20]
- [Perfecting recycled plastic](#) [*Recycling Today*, 01/24/20]
- [This compostable packaging can tell you when your food is going bad](#) [*Fast Company*, 02/02/20]

### Supply chain

- [Report looks at creating a sustainable future for European dairy](#) [*Food Navigator*, 02/04/20]

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## REPORTS AND USEFUL LINKS

- [7 Things You're Likely Missing to Win with Water Tracking](#) [Webinar archive]
- [Food Manufacturing Pollution Prevention Techniques](#)
- [Pollution Prevention 101 LibGuide: Food Manufacturing](#)

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## UPCOMING EVENTS



### 2020 Emerging Contaminants in the Environment Conference

ISTC's 2020 Emerging Contaminants Conference includes sessions on fluorinated replacement chemicals (a.k.a., PFAS) in food packaging and pharmaceuticals and other emerging contaminants in raw water. Drinking water and wastewater regulations for certain classes of emerging contaminants are also on the horizon. [Register today](#) to stay up to date on these developments.

**April 2:** [Three Key Trends Defining the Future of Food](#)

**May 4-7:** [2020 Food Safety Summit](#) [Donald E. Stephens Convention Center, Rosemont IL]

**July 28:** [Food Safety: How Regulations are Impacting Emerging Technologies](#)

**September 17:** [What's Trending for Wastewater Issues and Treatment Technologies](#)



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