NERC’s Fall 2015 Forum: Manufacturer Making Glass Containers From Cullet

Ryan Modlin, Owens-Illinois, Inc.
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Our global presence

79 plants in 21 countries

Global and North America HQ, Perrysburg, Ohio

Europe HQ, Lausanne, Switzerland

Latin America HQ, Sao Paolo, Brazil

Asia Pacific HQ, Melbourne, Australia
Our global customers
O-I’s initial sustainability goals

- Ambitious goals set in 2010 with 2017 targets
  - Set against a 2007 baseline*
- Goals designed to drive breakthrough thinking
- Goals still valid today
- Making progress against each goal
- Goals are first phase in a journey
- Will be adding goals to address other areas

*Safety goal against 2011 baseline due to data availability
Recycled glass – good for O-I, good for the planet

- Strive to use as much recycled glass as we can get
- For every 10% increase in recycled glass used:
  - 3% reduction in energy
  - 5% reduction in carbon emissions
- In 2014, used 4.7 million tonnes of post-consumer recycled glass
  - Largest purchaser of recycled glass
- Global goal -- 60% cullet in our production
- Largest challenge is obtaining clean and steady supply of cullet at competitive price
Using recycled materials has energy and environmental benefits

- Glass is 100-percent and endlessly recyclable
- Every 10% of recycled glass used in the manufacturing process =
  - 2-3 percent drop per plant energy costs
  - 4-10 percent reduction per plant GHG emissions
- For every six tons of recycled glass used, one less ton of carbon dioxide is emitted
Thank You