

Commit. Act. Impact.

Yin and Yang

Understanding and Conveying Advantages of Your Climate-Smart Product Packaging



20. September. 2018







COMMIT. ACT. IMPACT.

Climate Collaborative Commitment Areas











Integrate carbon farming into the agricultural supply chains

Increase energy efficiency

Reduce food-waste in the supply chain

Remove commoditydriven deforestation from supply chains

Responsible engagement in climate policy









Reduce the climate impact of packaging

Commit to 100% renewable power

Reduce short-lived climate pollutant emissions

Reduce climate impacts of transportation

How to commit



TAKE ACTION

BLOG

MEDIA & RESOURCES

EVENTS

ABOUT

DONATE

Q



More companies are taking action to reverse climate change than ever before. They're tackling this global challenge not only because it's essential to the future of our planet but also because doing so offers tremendous opportunities for growth, job creation, and prosperity.

Companies can help reverse climate change by making a commitment to one or more of these initiatives.

WHY TAKE ACTION?

Climate change is both the greatest threat our planet has ever faced

MAKE A COMMITMENT

SIGNUP FOR UPDATES

Add Your Email Address





How many companies have committed?







301

Companies **Committing to Action**



Commitments































Independent **Natural Food** Retailers Association















Why take action?



Your consumers care:

70% of millennials say companies' environmental practices impact their purchasing decisions.¹



Why take action?



There is urgent need for action:

- 211 million people were affected every year by natural disasters between 2000 and 2013, caused in part by climate change leading to more intense weather events.
- It's estimated climate change could cause 250,000 additional deaths per year between 2030 and 2050.



How will we help you act



WELCOME TOOLKIT FOR COMMITTED COMPANIES

WELCOME!

We are so glad that you have made a commitment to climate action through the Climate Collaborative. So what's next?

- Help us tell your story: Let your stakeholders know about your commitments!
- Develop and implement a climate action plan: Use our resource base and learn from other committed companies and experts as you work toward implementing your climate commitments.
- 3. Track progress: Let us know how you are progressing!

- We will help you on your climate journey through:
 - Monthly webinars
 - Case studies
 - Action groups
 - Connections to partners and solutions providers
 - Events
 - Other resources



THANK YOU TO OUR DONORS!

Alter Eco

Annie's

Associated Brands

Califia Farms

California Olive Ranch

Cheer Pack

Clif Bar & Company

Connective Impact

Danone North

America

Decker and Jessica

Rolph

Dr. Bronner's

Elk Packaging

Gaia Herbs

General Mills

Good Earth Natural

Foods

GrandyOats

GreenSeed Contract

Packaging

Guayaki

Happy Family

INFRA

KeHE

Kuli Kuli Foods

Lotus Foods

Lundberg Family

Farms

MegaFood

Melt Organic

MOM's Organic

Market

Mountain Rose Herbs

National Co+op

Grocers

Natural Habitats

Nature's Path

New Hope Network

Numi

Nutiva

Oregon's Wild Harvest

Organic India

Organic Valley

Outpost Natural Foods

Patagonia

Plum Organics

Pluot Consulting

Presence Marketing

Rebbl

Stahlbush Island Farms

Stonyfield

Straus Family

Creamery

Studio Fab

Tacoma Park Silver

Spring Co-op

Traditional Medicinals

Trayak



Our Speakers



Moderator: **Lisa Spicka**Associate Director
Sustainable Food Trade
Association, SFTA



Reyna Bryan

VP of Strategy & R&D

Elk Packaging



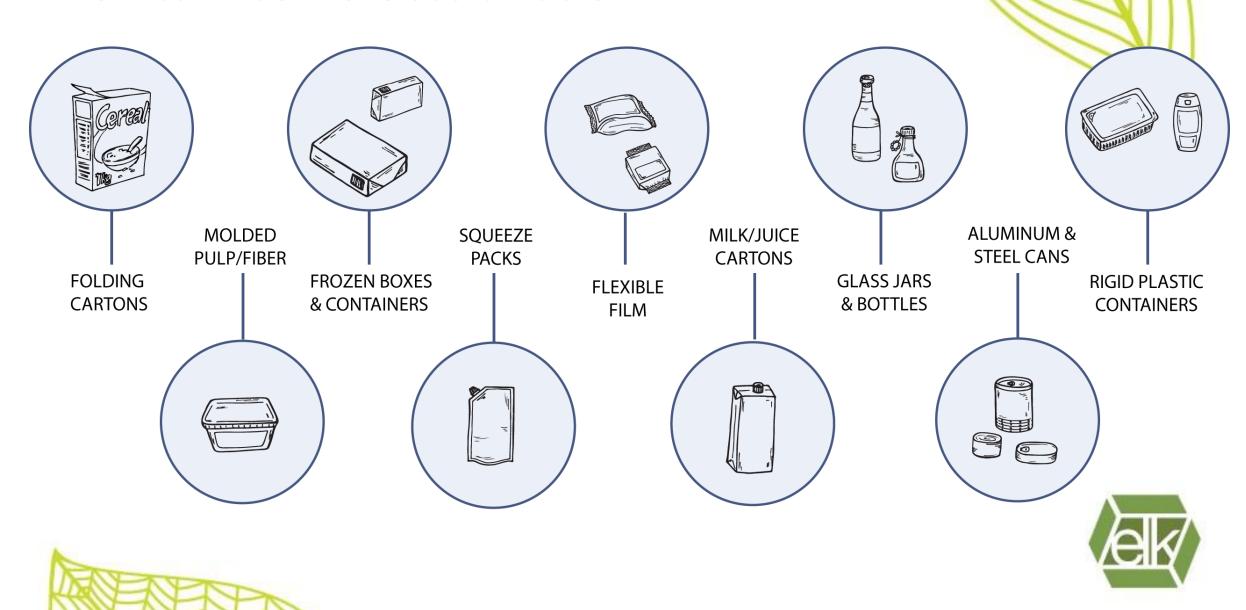
Gage Mitchell
Principal & Creative Director
Modern Species



Jane Franch
Director of Quality, Sourcing &
Sustainability
Numi Organic Tea

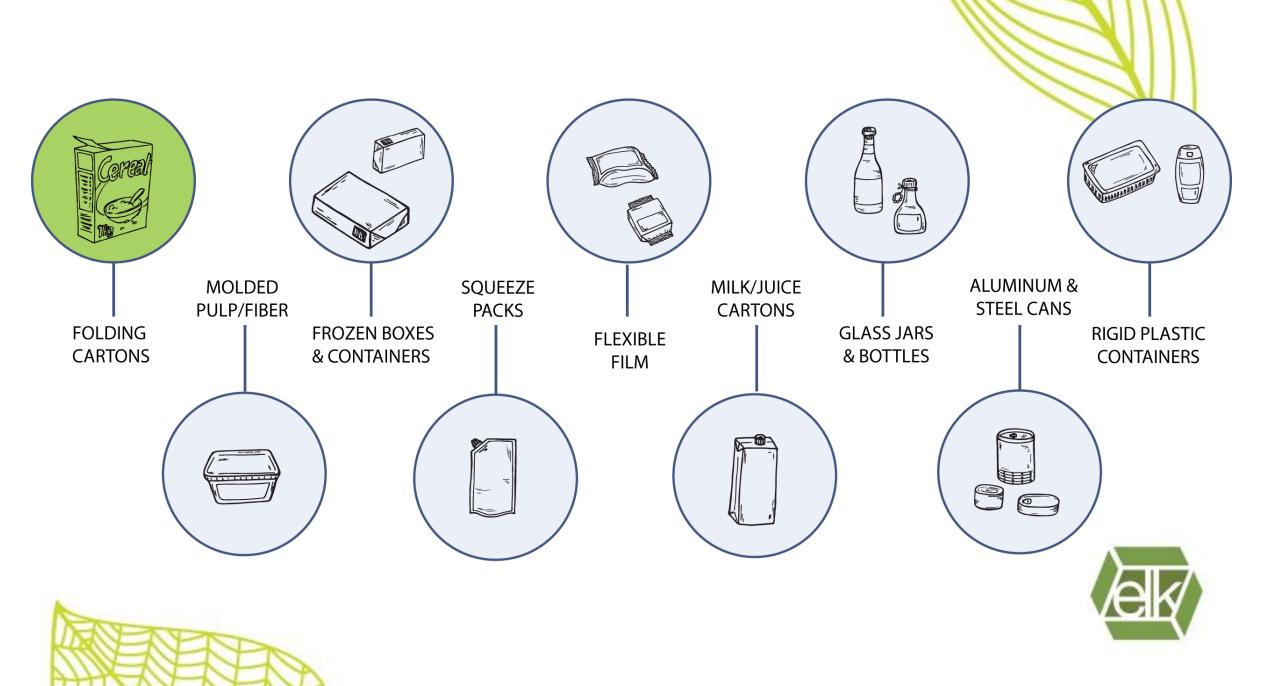


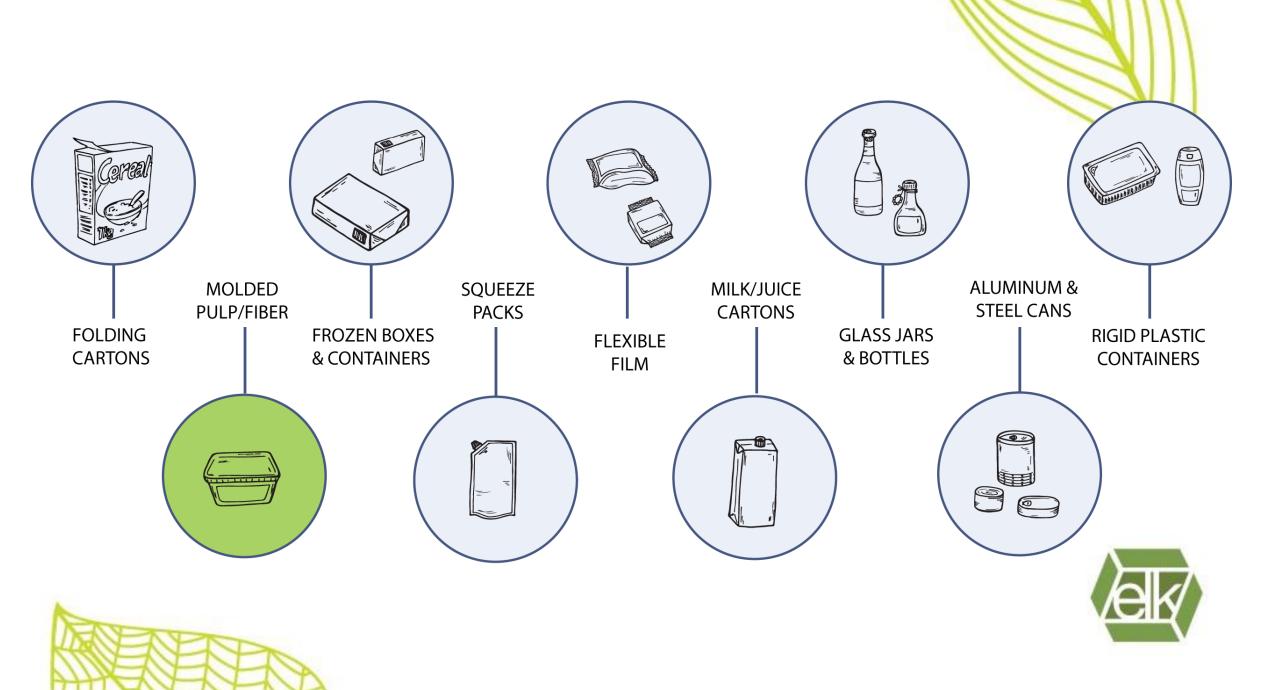
How can I be more sustainable?



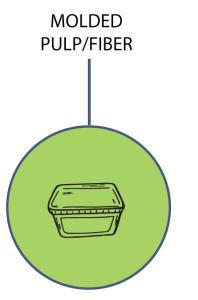
General Guidelines

- Performance Does packaging protect product?
- Minimize Materials Can you down gauge and maintain integrity?
- Material Inputs Where does your raw material come from?
- Material EOL and Value What is the end-market for your material?
- Consumer Awareness Have I communicated proper disposal?
- LCA Guidance Can I use LCA to better inform my decision?
- Support Sustainable Packaging Development How can I support emerging markets and technologies?









Molded Pulp & Sustainability

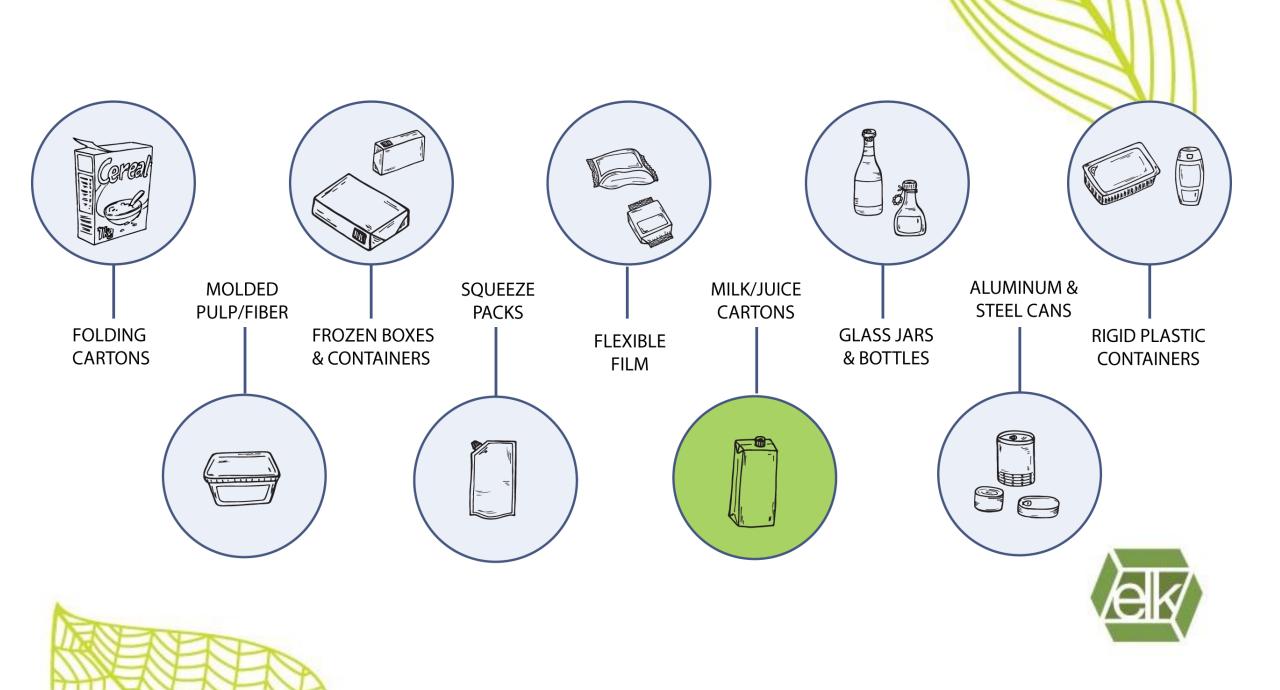
Benefits

- Price competitive alternative to rigid plastics
- Made from renewable raw materials
- Typically both recyclable and compostable
- Strong and functional, capable of deep 3D shapes

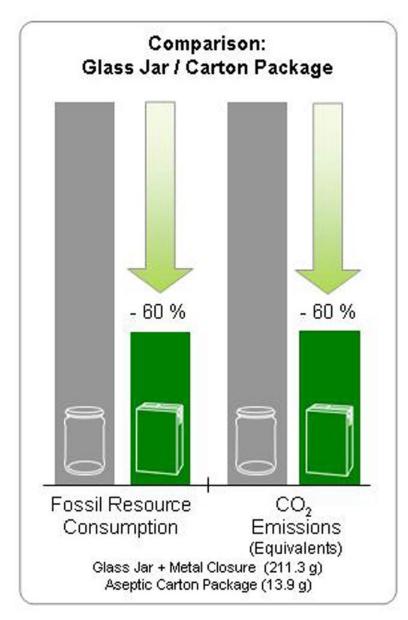
Challenges

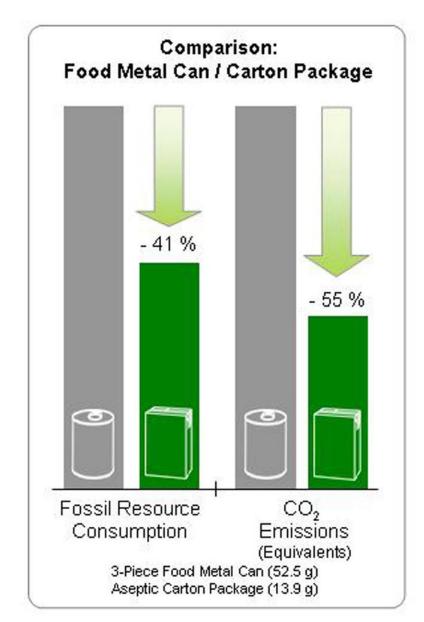
- Manufacturing energy intensive and slow
- High up-front capital investment for new designs
- Surface printing can be limiting
- Emerging risks for toxicity of coatings, specifically grease barriers

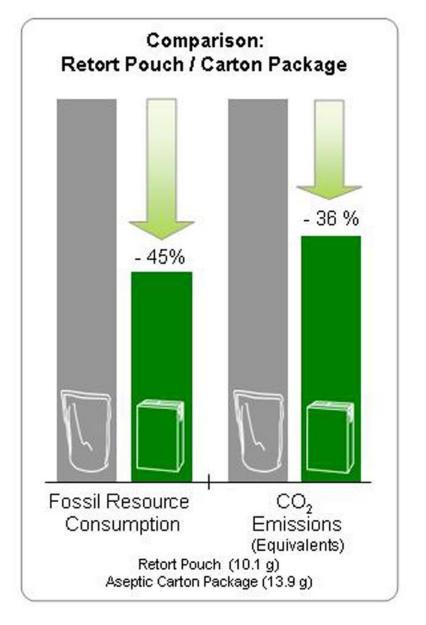




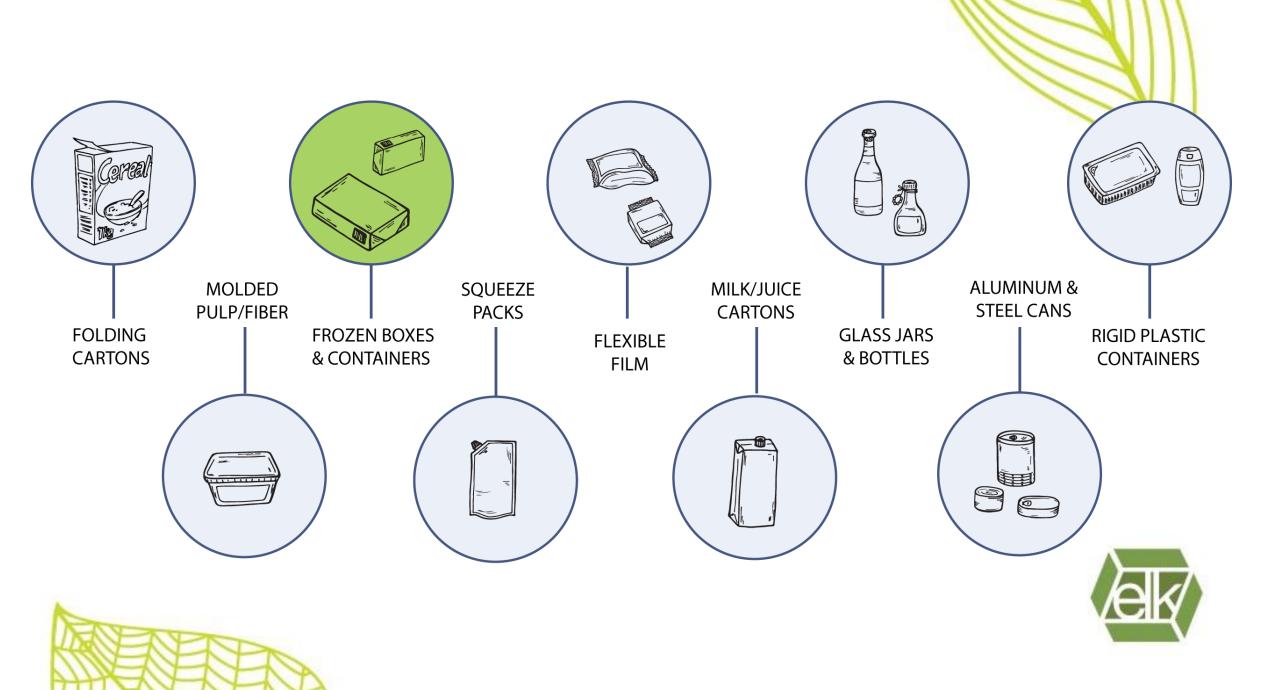


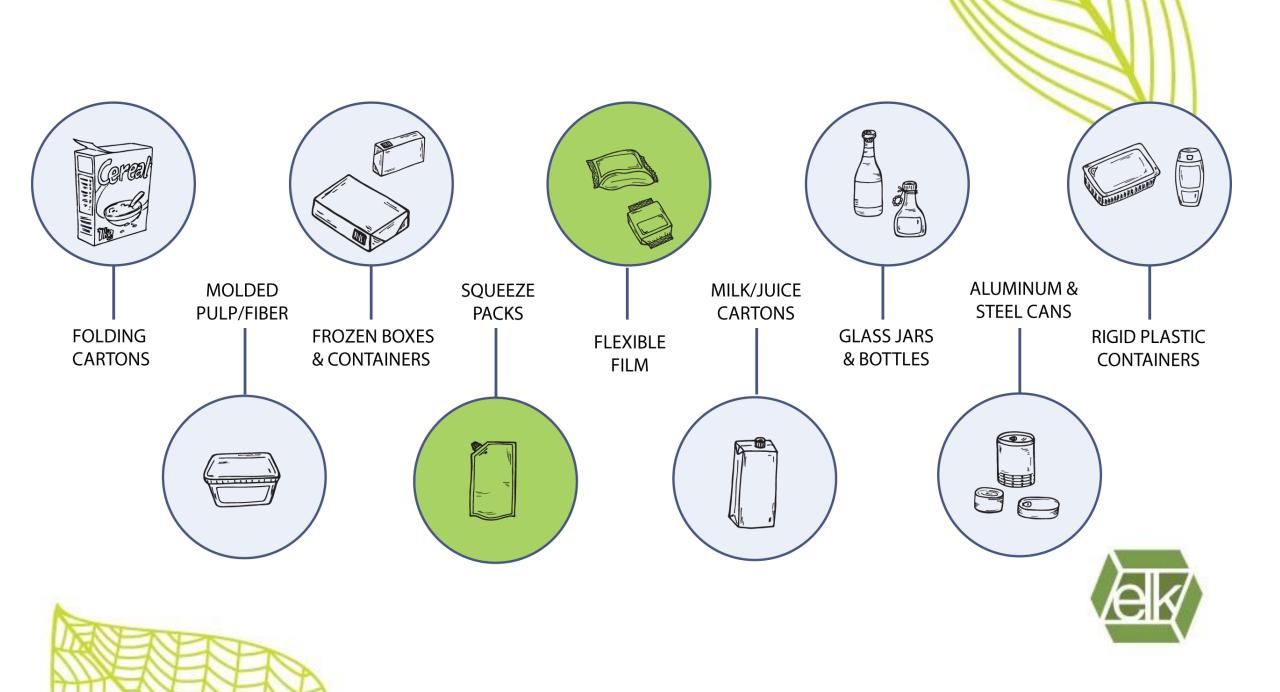












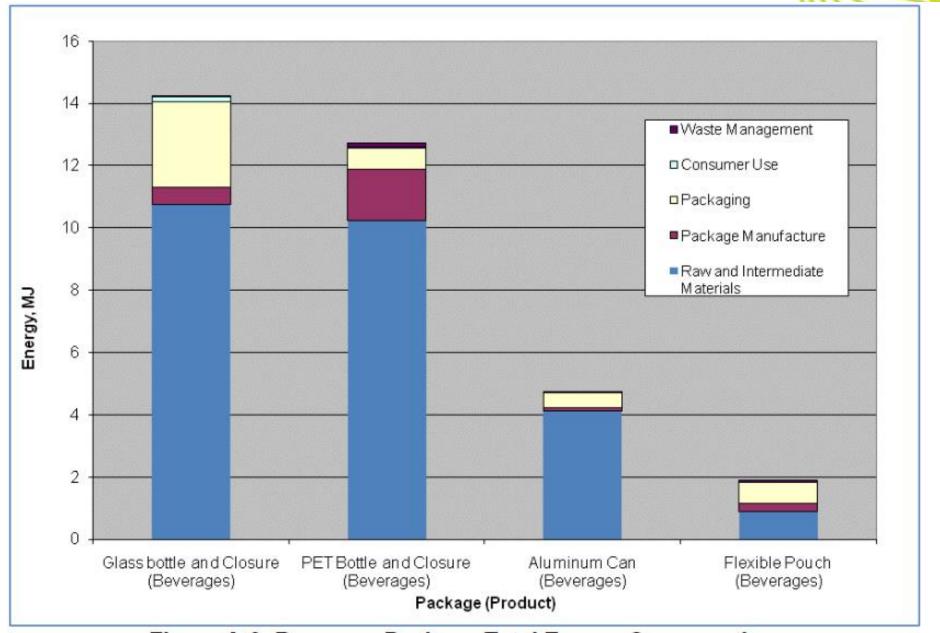


Figure A-9. Beverage Package Total Energy Consumption.



US PLASTIC GENERATION & RECOVERY GENERATION~ RECOVERY

Municipal Solid Waste in the U.S.: Facts & Figures. EPA 2007

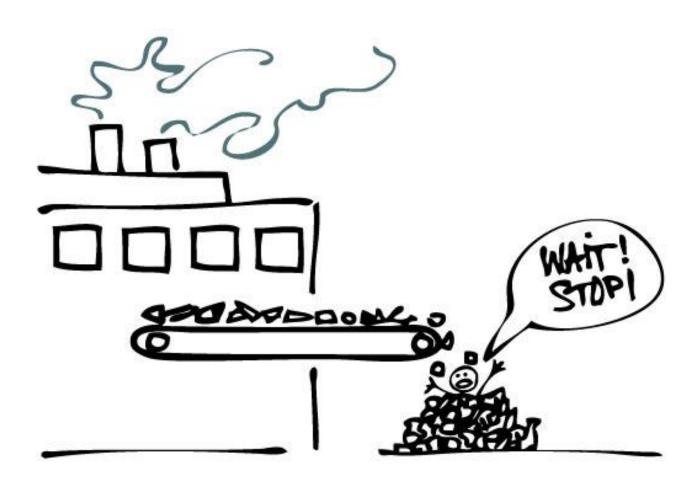
1990

1980

1970

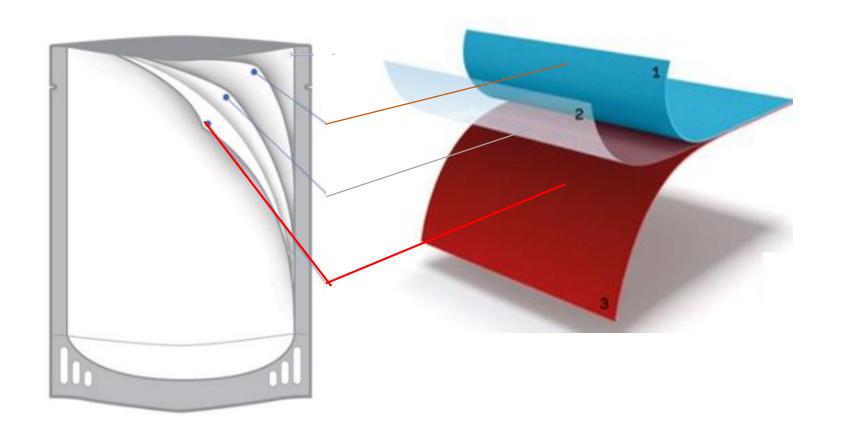
1960

2000





Flexible Film Basics





Flexible Film Supply Chain











Polymer Resins Blown Film Extrusion

Film Finishing Print & Lamination

Pouching



What is possible today... Heat sealable, dry, shelf-stable

COMPOSTABLE High Barrier Metalized & Clear Structures: Stand-up pouches – Granola, Grains, Nuts/Seeds, Salty Snacks Overwrap – Granola Bars, Candy, Tea Sachets, Protein Powder Preformed – Coffee, Dried Soup







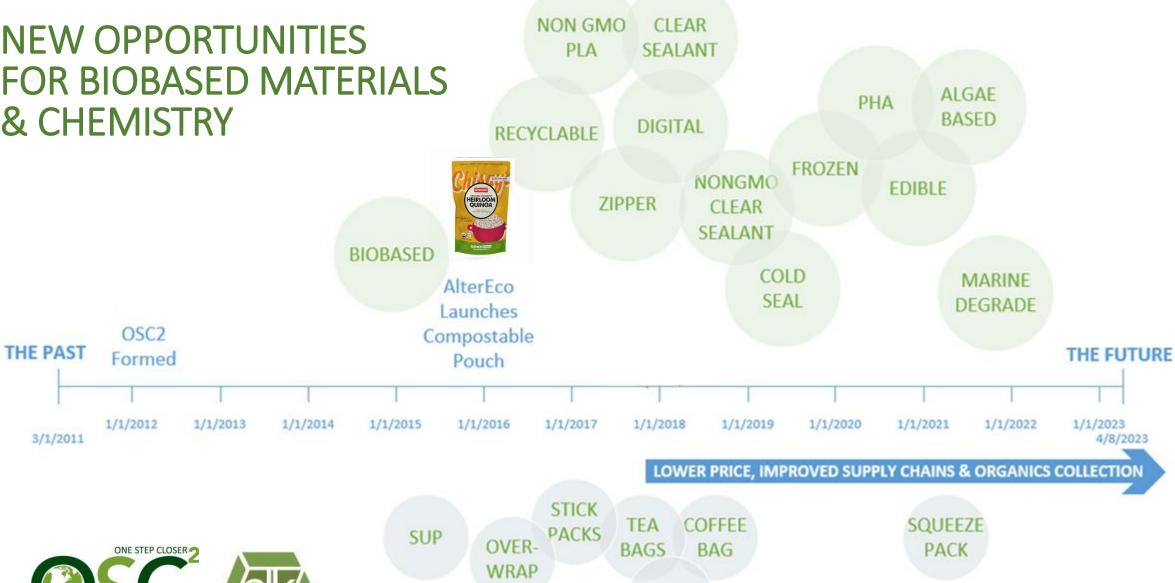








NEW OPPORTUNITIES FOR BIOBASED MATERIALS & CHEMISTRY



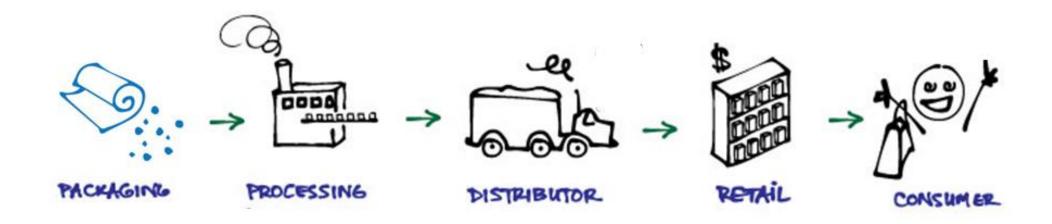






CHIPS

Pathway to Sustainability: Collaboration Across the Value Chain



Where do I fit in the value chain? If I do not take action, who will?





Key Takeaways

- End markets are important, and they are our responsibility
- We have optimized our current packaging paradigm, and it is not good enough. It is time to jump to the next innovation curve
- LCA only provides part of the picture are you using it to justify status quo?
- The packaging industry is a **big sleepy dinosaur** and requires outside influence to innovate
- Its **time we all row in the same direction** we need participation from the entire value chain not just a handful of brands.

Thank you for listening.

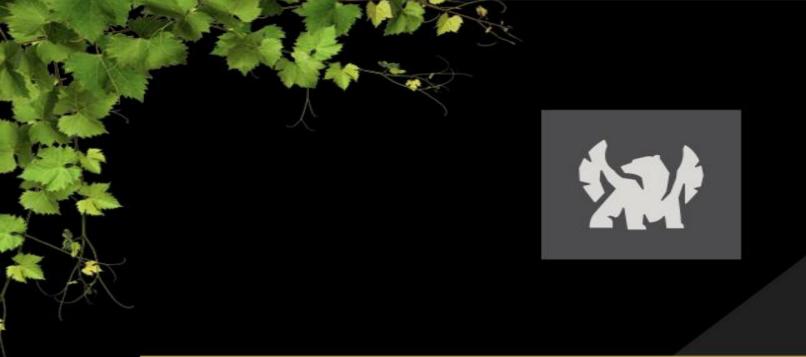
Let's connect, collaborate and innovate!

Reyna Bryan
Elk Packaging - Director of R&D

www.elkpackaging.com







EFFECTIVE SUSTAINABILITY COMMUNICATION

- Climate Collaborative Packaging Webinar -

OUR AGENDA

- 1 Trust & Loyalty
- **2** Values & Loyalty
- Influence Behavior
- 4 Make It Fun
- 5 Any Questions?



TRUST & LOYALTY

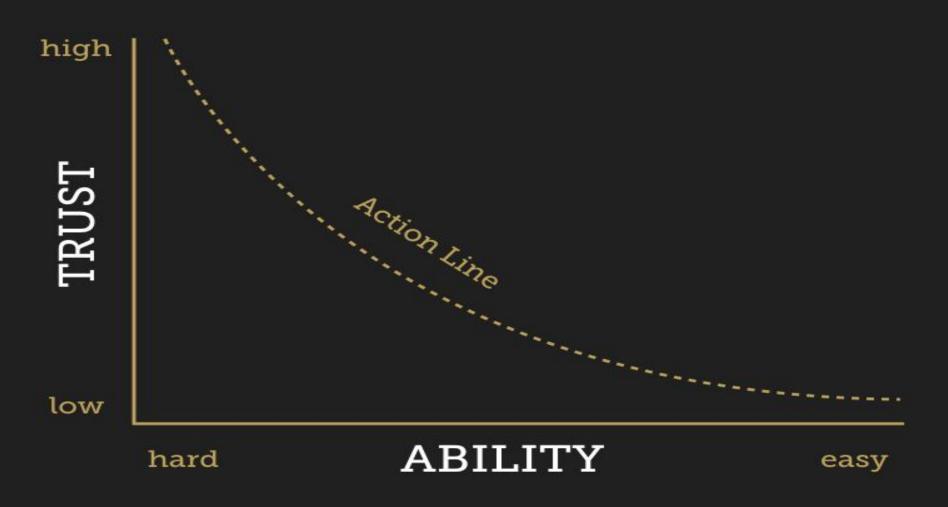


CONSUMER BEHAVIOR

People often buy for **emotional** reasons, and will go out of their way for a brand they **trust**.



BRAND TRUST MODEL



Brand Trust Model © BJ Fogg & Gage Mitchell



BRAND TRUST MODEL



Brand Trust Model © BJ Fogg & Gage Mitchell



WHY BRANDING WORKS

A strong brand **fulfills its promises** to its customers,
building **trust**, and therefore **brand loyalty** over time.





VALUES & LOYALTY





VALUES ALIGNMENT

Today's consumers **want to feel** that what they buy
fits their lifestyle and aligns
with their **personal values**.

Inc.com



DEMONSTRATE YOUR COMMITMENT

Despite the difficult economic climate **Millennials** are willing to **pay extra** for sustainable offerings.

Inc.com



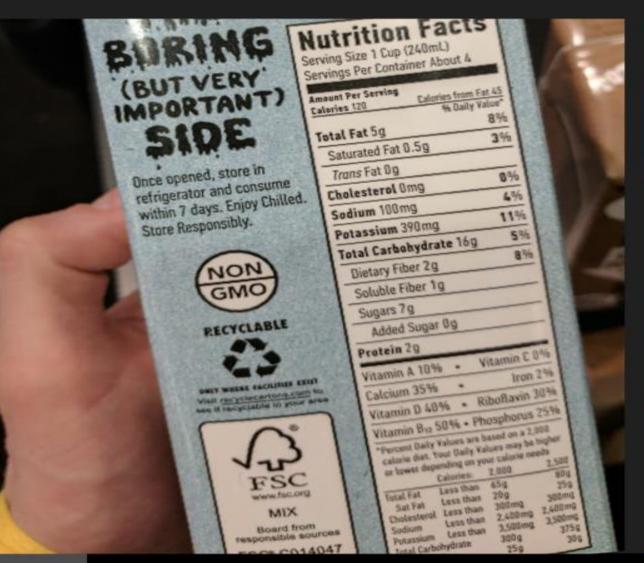
WEAR YOUR MISSION ON YOUR PACK

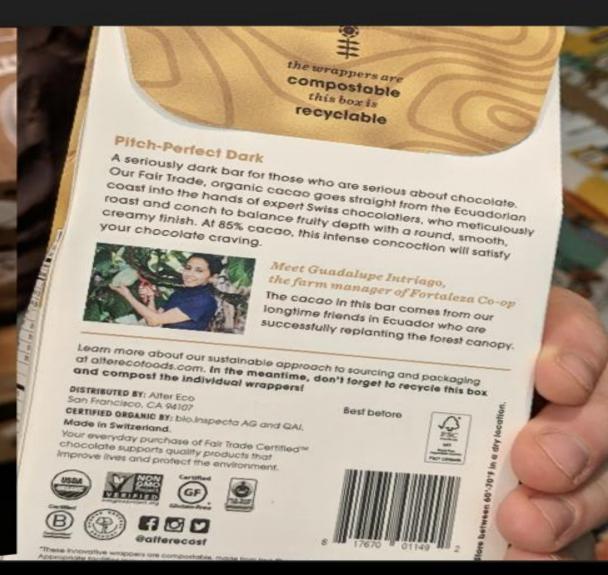






PROVE YOUR COMMITMENT







INFLUENCE BEHAVIOR





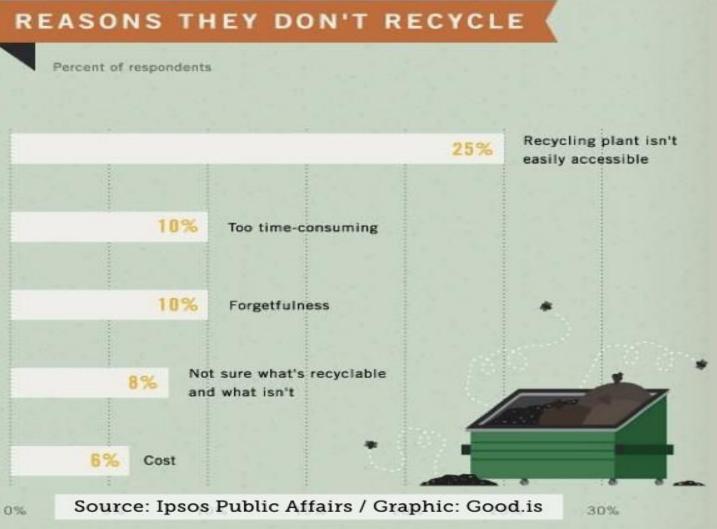
BEYOND INTENTIONS

Sustainable packaging isn't sustainable, if despite your intentions, it ends up in the landfill.



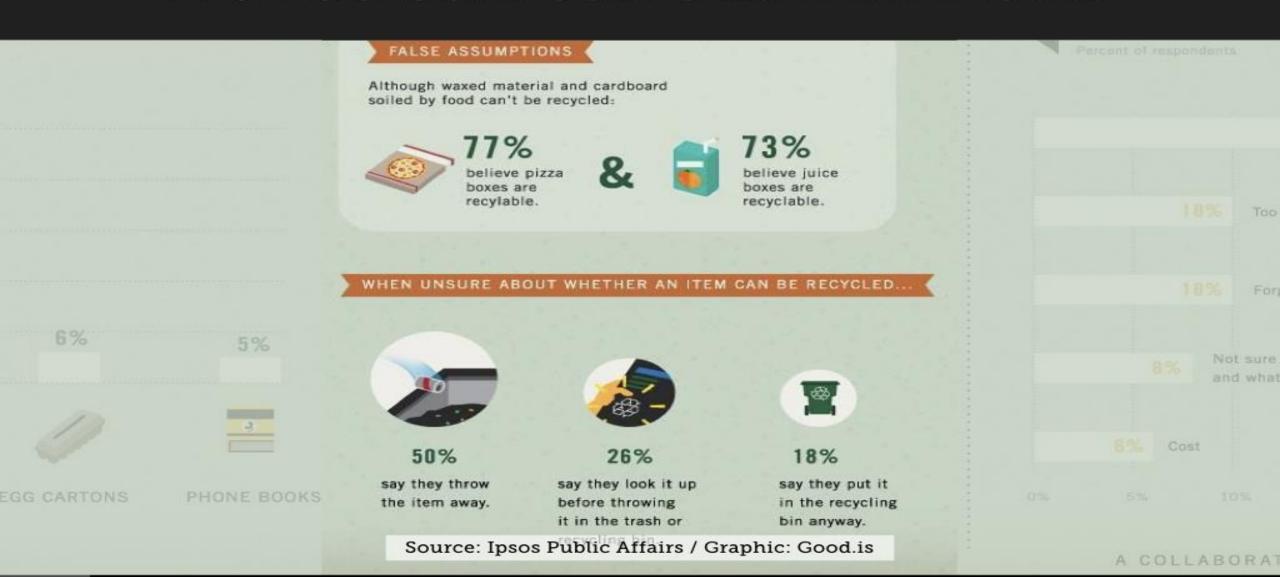
IT'S TOO CONFUSING AND DIFFICULT







IT'S TOO CONFUSING AND DIFFICULT





HELP CONSUMERS KNOW WHAT TO DO





SO IT GETS WHERE YOU INTENDED





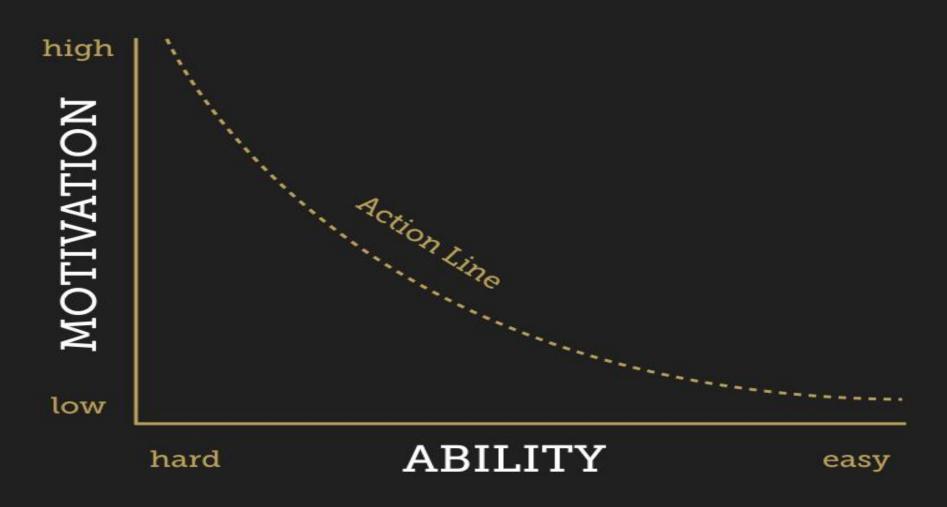
HUMAN BEHAVIOR

For a **behavior** to occur, there needs to be a combination of **motivation**, **ability**, and a **trigger**.

Fogg Behavioral Model © BJ Fogg



FOGG BEHAVIORAL MODEL



Fogg Behavioral Model © BJ Fogg



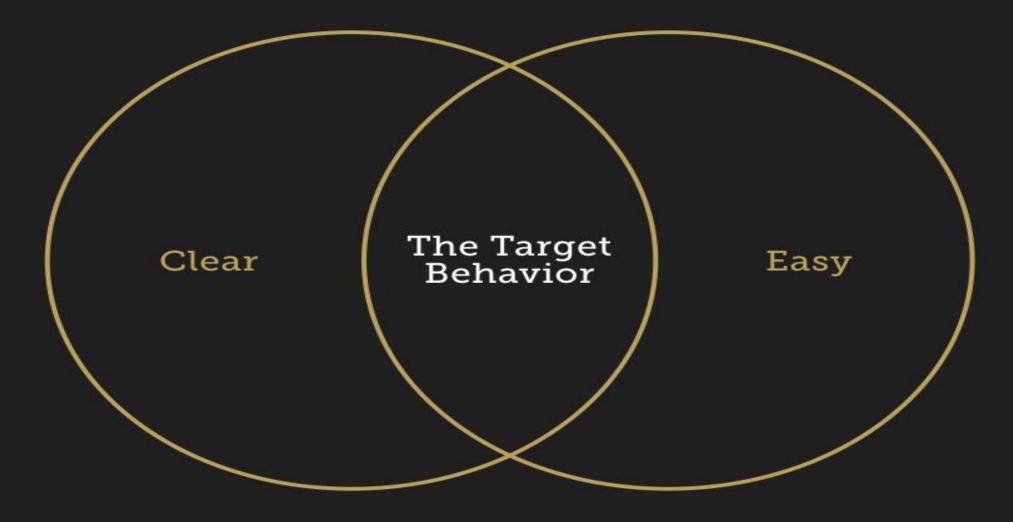
FOGG BEHAVIORAL MODEL



Fogg Behavioral Model © BJ Fogg



MAKE IT CLEAR AND EASY





CLEAR LABELING AND EASY ACTION





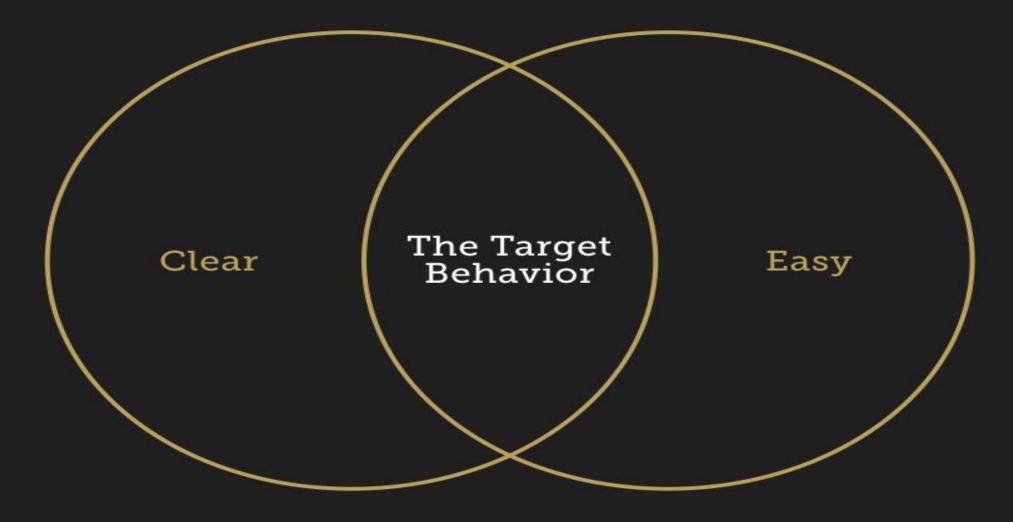
TRY TO AVOID COMPLEX ACTIONS





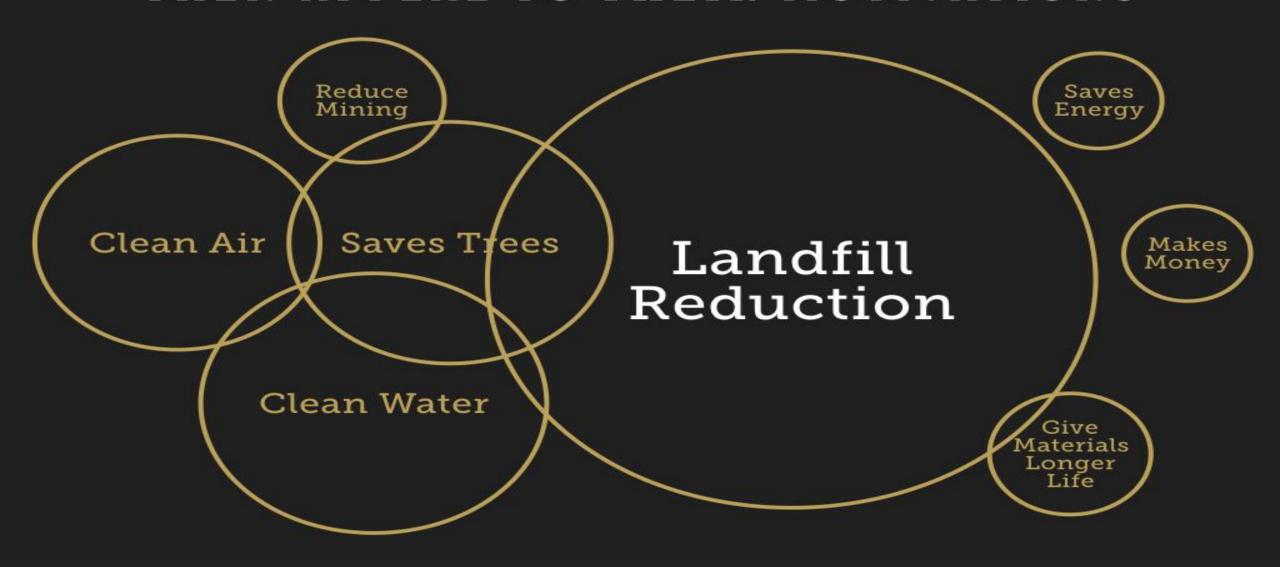


MAKE IT CLEAR AND EASY





THEN APPEAL TO THEIR MOTIVATIONS



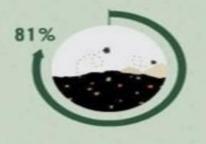


CONSUMER RESEARCH

PEOPLE UNDERSTAND THE BENEFITS

What are the advantages of recycling?

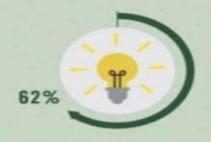
Percent of respondents



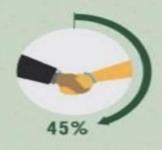




SAVES TREES



CONSERVES ENERGY



CREATES JOBS



MAKES MONEY

REASONS THEY DON'T RECYCLE

Percent of responds

Although waxed material and cardboard solled by food can't be recycled:

Source: Ipsos Public Affairs / Graphic: Good.is



HELP THEM ENVISION THE OUTCOME



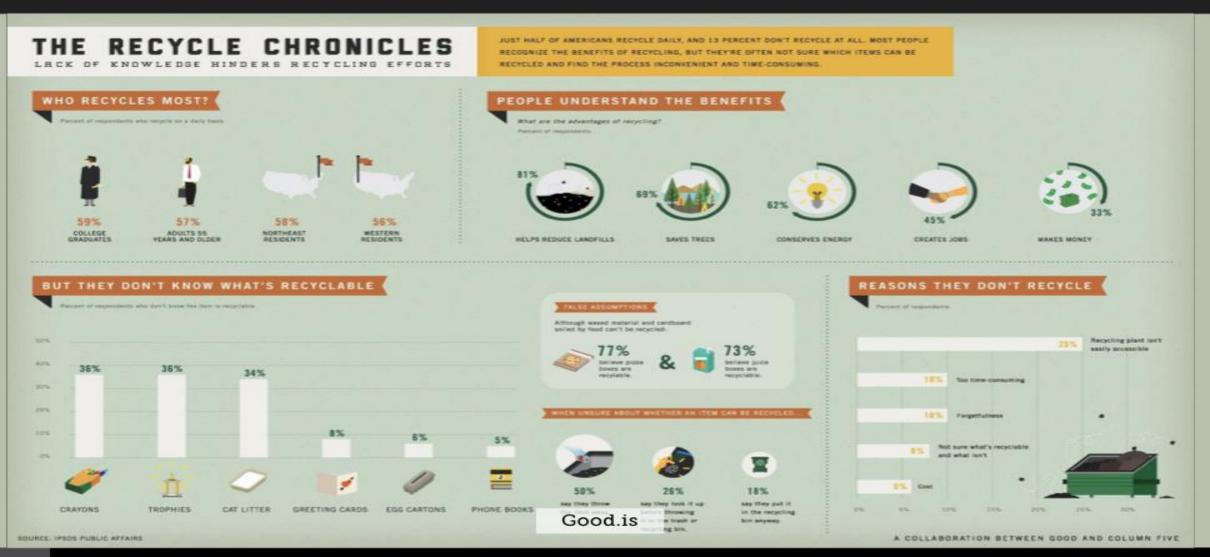


REMIND THEM WHY THEY CARE





FULL GRAPHIC FROM GOOD MAGAZINE





MAKE IT FUN



GET CREATIVE

Modern consumers have short attention spans,
To get their attention be brief, visual, and entertaining.



RECYCLING PLASTIC INFOGRAPHIC

GOOD

Recycling Plastic Is Surprisingly Complex. Here's What Happens After the Bin. ...











PET is one of the most commonly used plastics in single-use products. Does NOT contain BPAs.

COMMON USES

Single serve soda/water bottles, cooking oil bottles, peanut butter jars, food storage.containers

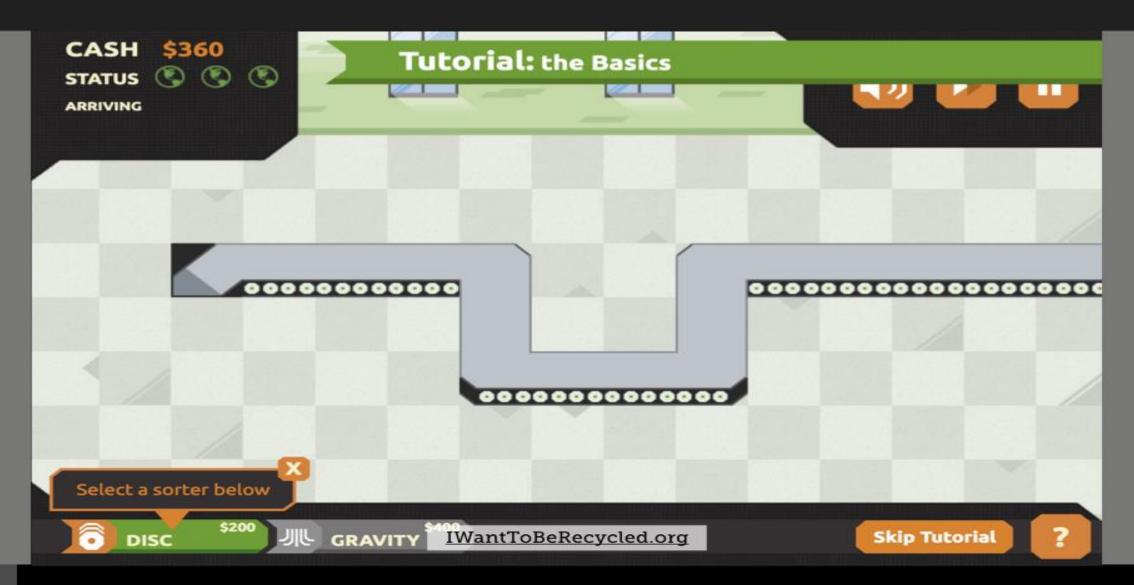


Good.is





RECYCLING SORTING GAME





HILARIOUS VIDEO ABOUT ORGANIC MILK







ANY QUESTIONS?





VOLVED



MODERN SPECIES®

@ModSpec

ModernSpecies.com



Celebrating people, planet and pure tea

Yin & Yang of Sustainable Packaging September 20th, 2018

Packaging Milestones

- 1999: First product offerings, avoiding the use of unnecessary shrink wrap
- 2005: Tea boxes converted to 100% recycled paperboard with 85% minimum PCW content
- 2009: Tea bag wrappers converted to 72% PCW material, reducing overall weight by 22%
- 2012: 1st company to certify filter bags as non-GMO, setting new NGP standard to include teabag & tea
- 2013: Founding member of OSC2 Packaging Collaborative
- 2017: Numi Supplier Code of Conduct incorporates our packaging expectations for 1st & 2nd tier suppliers
- **2018:** Launching 1st plant based, non-GMO compostable tea bag wrapper





The Last Mile – Teabag Wrapper

- Priorities:
 - Plant Based
 - Non-GMO
 - Compostable







The Last Mile – Teabag Wrapper

- Priorities:
 - Plant Based
 - Non-GMO
 - Compostable
- Challenges:
 - Cost
 - Novel materials
 - Time to market







Numi packaging update: Compostable Wrapper!

For 18 years, Numi has been a committed leader in sustainability. We're excited to introduce the next phase of our journey to **Leaf no Trace** with sustainable packaging.

- Introducing our new plant-based, non-GMO, commercially compostable tea bag wrapper!*
- Consciously crafted from eucalyptus and designed to reduce waste while preserving the quality of our tea.
- SKUs featuring this innovative new wrapper are made with non-GMO renewable materials and will be **zero-waste**:
 - ✓ New compostable tea bag wrappers*
 - ✓ Biodegradable filter paper tea bags
 - ✓ <u>Recyclable</u> boxes made of 90% post-consumer waste

Products Featuring Compostable Wrappers*:

- Moroccan Mint
- Aged Earl Grey

Timing:

- Flow-through on-shelf: Q1 2019
- No changes to UPCs or SRPs





^{*} Per ASTM D6400. Wrapper will compost in commercial facilities. Appropriate facilities may not exist in your area. Locate composting facilities at www.findacomposter.com. Not suitable for home composting.

Packaging - regulatory call outs





Packaging - regulatory call outs





Campaign Objective



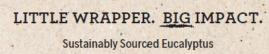


Inform, engage and ignite trade, customers, and consumers with an impactful, compelling campaign that drives loyalty and purchase

- Press Release
- Partnership with Alter Eco for Expo launch
- Consumer Campaign to drive compostable awareness
- Website education & landing page



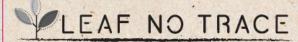
Marketing Activation: Leaf No Trace



Ethically Sourced Sugarcane Resin

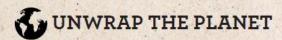
Zero Waste!

We are a small company taking important steps to Leaf No Trace. Join the movement at #LEAFNOTRACE



Compostable Tea Bag Wrappers*

Consciously crafted from Non-GMO plants, this wrapper reduces waste while preserving taste.



On average, Americans throw away their own body weight in trash every

Month

B Year

@ Week

Unwrap label for answer.





Numi is a proud founding member of OSC2, a coalition of forwardthinking brands working together to change the face of packaging.

Product not labeled for sale.

*Will compost safely in a municipal or commercial facility. Not suitable for backyard composting.



Our new innovation would not have been possible without the work of our partners at ELK Packaging. For more information:

WWW.ELKPACKAGING.COM

INFO@ELKPACKAGING.COM



Marketing Activation: Leaf No Trace



- Joint happy hour with Alter Eco
- Featured
 Ahmed, Alter
 Eco founders,
 and OSC2 –
 talk about
 compost and
 packaging



Marketing Activation: Leaf No Trace



Joint signage
 on banners
 and garbage
 cans with info
 & booth call
 out



Marketing Activation: Leaf No Trace, Booth Takeover





Takeaways



- Timelines: be realistic; expect delays
- Talking points: align internally Operations, Sales, Marketing should be using the same terminology
- ASTM D6400: required for claims
- Certification: recommended for customer acceptance,
 AND for municipal compost facilities





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- @theclimatecollaborative

www.climatecollaborative.com

a project of



