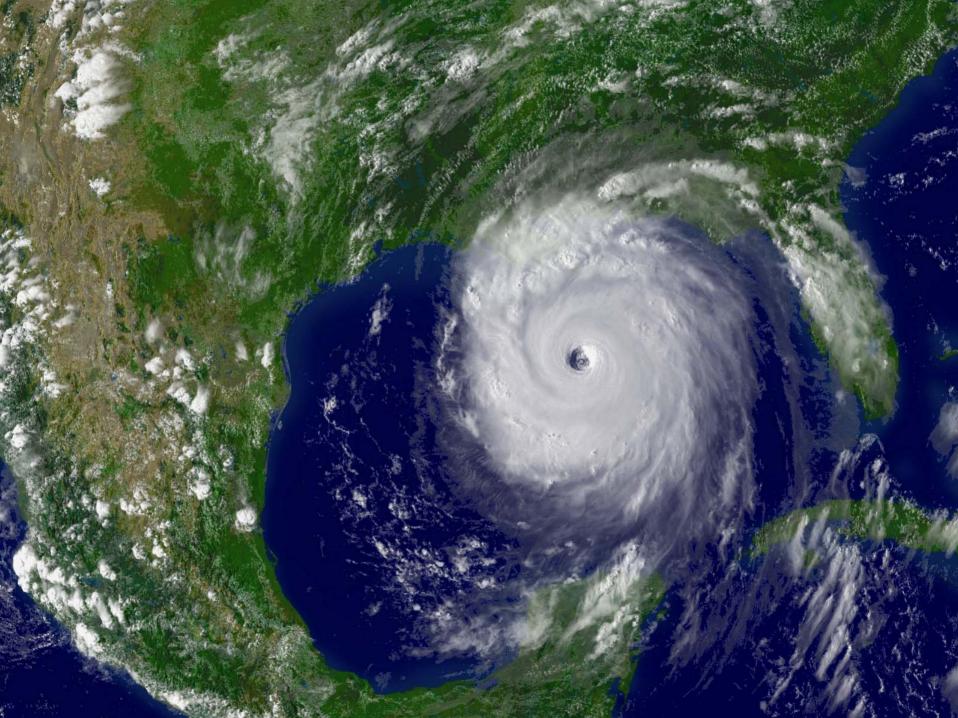
Wal-Mart Business Sustainability Chemical Intensive Products Strategy

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A Historic Opportunity



3

"Katrina asked this critical question, and I want to ask it of you: What would it take to be that company, at our best, all the time?

"What if we used our size and resources to make this country and this earth an even better place for all of us: customers, Associates, our children, and generations unborn?"

"What if the very things that many people criticize us for - our size and reach - became a trusted friend and ally to all, just as it did in Katrina?"

The Power of Size & Reach: 3x Compaction, One SKU



Gallons of Water Saved	478.1MM
Gallons of Diesel Saved	20.7MM
Reduced # of Trucks	2.79MM
Plastic Resin Reduction (lbs.)	128.9MM
Reduced # of out of Stocks	50%
Reduction in Labor	\$91.4MM

Wal-Mart Sustainability Goals







To be supplied 100% by renewable energy

- Stores 25% more efficient in 7 years
- Fleet 25% more efficient in 3 years

To create zero waste

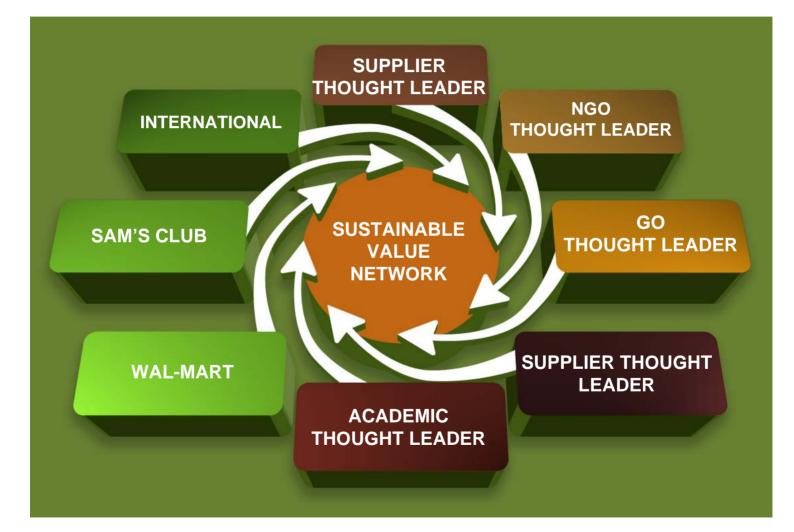
 25% reduction in solid waste in 3 years To sell products that sustain our resources & environment

 20% supply base aligned in 3 years

Sustainable Value Networks



Network structure



Current Networks

	Global Greenhouse Gas Strategy
Renewable Energy	Energy, Design Construction & Maintenance
	Global Logistics
	Alternative Fuels
Zero Waste	Operations & Internal Procurement
	Packaging
Sustainable Products	Textiles
	Electronics
	Food & Ag
	Forest & Paper
	Chemical Intensive Products
	Jewelry
	Seafood
	China

CIP Network Mission and Scope

It's All About the Customer!

Mission



Provide to our customers affordable and effective products where all chemical ingredients are preferred for Mother, Child and the Environment delivered in the most efficient and effective way.

Scope

Products we sell or use that are composed primarily of chemical ingredients (eg., liquids, powders, plastics, etc.) and are of primary relevance, utility and/or concern to parents.

The Opportunity

- 1. Business Sustainability transcends basic product safety and compliance
- 2. Some ingredients in products present known concerns for humans and/or the environment
- 3. Preferred substitutes exist that are cost effective and perform as needed

Vision of success: A store with no warning labels

Specific Actions

- 1. Preferred Chemical Principles set direction
- 2. Priority Chemicals Plan drive innovation away from chemicals of concern
- 3. Scorecard assess products against principles and reward innovation

Safe Products for Mother, Child, and the Environment

When we suspect that an ingredient in a product or the product itself is capable of causing harm to human health and the environment, we will act to find better alternatives.

We will favor those products that do not contain the following:

Chemicals Harmful to Human Health Carcinogens – can cause cancer Mutagens – can damage genetic material Reproductive Toxicants – may affect reproduction or the unborn

Chemicals Harmful to the Environment Persistent – do not break down in the environment Bioaccumulative – builds up in the food chain Toxic – causes death or damage to organisms in the environment

Priority Chemicals Plan

- Goal: Inspire focused innovation effort on specific chemicals of concern
- Potential "Priority Chemicals" are any chemicals with characteristics that do not meet the Wal-Mart Preferred Chemical Principles
- Goal set to address 20 Priority Chemicals over 2 years

First 3 Priority Chemicals

1. PROPOXUR

- Insecticide
- Probable human carcinogen (US EPA)
- Largely replaced by preferred chemicals

2. PERMETHRIN

- Insecticide
- Likely human carcinogen (US EPA)
- Still common in household use

3. NONYL PHENOL ETHOXYLATE

- Class of chemicals used as surfactant in some 'down the drain' cleaning products
- Harmful to environmental organisms and not readily biodegradable
- Preferred replacements exist and are in use

WAL+MART	Wal-Mart Stores, Inc. Sustainability Scorecard			Packaging Scorecard:				
CERTIFICATION	Review Answers			ecal	a:			
Q Welcome, D	Background & Product Info.			<u> </u>		~ ~	~ ~	
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	🕜 Supplier Number?	Scot Case			•			
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a second second	Product SKU? (14 Digits)	12345678912345						
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	What is the estimated number of items sold to the above purchaser?	140646719						
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	Selling Unit Packaging materials		an to share what we'v	1000000000000000000000000000000000	and the second se			
-	What is the percentage of cube utilization?	8		using preferable materials. We are asking that you activity participate				
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	What is the first packaging material?	PLA (polylactic acid)		scorecard				
	What is the total weight per package for this material?	Package & Model Scores	fra l	Research and				
	How far did this material travel before packaging occurred?	Betw @ Metric		Raw Score	Rank	Weight		
	Transport Packaging Materials	Greenhouse Gas Emissions from Package Production		0.1041	50%	COLORED TO A COLORED	ali	
	is this item a break pack?	Y Evaluation of Material Type		2.3159	50%	15%		
	What is the percentage of cube utilization?	Average Distance to Transport Material		5.6829	50%	10%	_	
	How many materials are used to transport the selling unit package?			1.7094	50%	15%		
	aignificantly reduce cost as well as the amount	Cube Utilization		0.2850	50%	15%		
	Packaging Metrics	Recycled Content		0.0009	50%	10%		
	Product to Package	Recovery		1.6857	50%	10%	h an	
	Package Recovery	Renewable Energy to Power Each Facility		0.3300	50%	5%	ws	
		Innovation Different from Energy Standard		0.3300	50%	5%	w	
		Total Normalized Score (out of 10)			5.5600			
	Sustainable Product							
At Beta Testing, we think you shouldn't need to n produced in a sustainable way. We are dedicate purchase product at our stores and are committed Begin Modeling This Package Now!					d d			
Children St	Packaging Metrics Material Type Recycled Content Package Innovation	Renew Revenue Read						

Challenges & Opportunities

- Creating value for customers and for the company
 - Eliminating cost/liability of hazardous product returns
 - Differentiating products in the marketplace and making them affordable
 - Helping customers make a difference through their purchases for their families, their world
- How do we change the product landscape
 - Eliminating chemicals of concern (transparency is first step)
 - Promoting products that are "better" (labels/certifications)
 - Partnering with suppliers (and their suppliers) to innovate
 - Helping disruptive innovators to scale and market new "green chemistry" products
 - Creating a scorecard system to rate products against peers
 - Rewarding suppliers who lead

Improving Customer Value: Product Reformulation

Glass Cleaner





Original Formulation

Water	Deionized
Surfactants	Alkyl Phenol Ethoxylates & Sodium Lauryl Ether Sulfates
Sequestrant	EDTA
Alcohol	Isopropyl Alcohol
Builder	Ammonium Hydroxide
Colorant	Dye
Fragrance	Terpene Based

New Formulation

Deionized

Linear Ethoxylated Alcohols & Alkyl Polyglucosides

Gluconates

Lactate Ester

Hydrogen Peroxide (1%)

Food Colorant

No Added Fragrance