

Center for Sustainable Business

Overview of the Return on Sustainability Investment ("ROSI")TM Methodology & Collaboration

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Phase 2: April 2021

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Executive Summary

Apparel companies are leveraging 8 strategies to positively impact their financial performance and drive better outcomes for environment and society

- Strategies identified include circularity and innovation, investments in employee and supplier wellbeing, and improving energy management for brand partners
- Financial value accruing to companies in areas such as greater employee productivity and retention, improvements in sales & marketing, lower customer acquisition costs, and reduction in transportation costs
- One company found a \$1.6M in annual savings by prioritizing lower carbon distribution methods; another identified \$34M in annual savings from investments in employee well-being

In this presentation we share our novel Apparel Industry Sustainable Strategies Framework, several case narratives, and monetization tools.



Sustainability Creates Financial Value That is Not Being Tracked or Monetized

- Numerous studies find a positive correlation between corporate performance on material ESG issues and corporate financial performance
- However, individual corporations are not tracking the financial returns on their sustainability strategies



- This means both corporate and investor decision-making is weakened by the lack of relevant financial information
- The challenge: how to measure the return on sustainability investment to enable transparency for both corporation management and investors
- By determining the quantitative value, there is opportunity for expanded investment in sustainability initiatives

Most Companies & Investors are not Monetizing the Return on Sustainability Investment

For the following reasons, the Return on Sustainability Investment is typically not calculated; leaving financial value unlocked and limiting the opportunity for continued investments in sustainability

- Availability and quality of ESG Data
- Sustainability strategies are not tied to total return from the outset
- There are many different sustainability strategies (ESG); strategy and execution sit within different units
- Financial benefits are tracked differently (if at all) by different units and are not aggregated
- Some benefits are intangible and difficult to measure
- It is not clear to the Financial function that there is significant financial benefit that would justify tracking ROSI™
- Difficult to monetize risk avoided due to sustainability investments

Numerous studies find a positive correlation between corporate performance on material ESG issues and corporate financial performance. However, individual corporations are not consistently tracking the financial returns on their sustainability strategies. The ROSITM Framework allows companies to measure tangible and intangible benefits of their sustainability strategies and make the business case for sustainability investment.

ROSI™ Framework

Sustainability Driver's of Financial Performance and Competitive Advantage

Embed:

When companies include ESG risks and opportunities in their strategy and decision-making processes, they...

Improve:

Risk Management

Stakeholder Engagement

Operational Efficiency

Talent Management

Supplier Relations

Media Coverage

Customer Loyalty

Sales & Marketing

Innovation

Drive:

Revenue Growth

Greater Profitability

Higher Corporate Valuation

Deliver:

Quantifiable Business Value & Positive Societal Impact

Valuation



Center for Sustainable Business The framework captures the ROSI™ methodology created but the NYU Center for Sustainable Business.

By embedding ESG risk and opportunities, the return on sustainable investment can be quantified, delivering the possibility of both financial value and positive societal impact.

Benefits of the ROSI™ Framework

Like other robust ROI processes, ROSI™ can help corporation and investors

Corporations

Support decision-making on individual initiatives or among alternative courses of action

Relevant for monetizing the costs and benefits of BAU, ongoing projects, and/or potential new initiatives

Flexible in addressing common forecasting challenges (e.g., those related to: data availability; data quality/credibility; uncertainty; attribution; allocation of benefits: etc.

Investors

Map material sustainability strategies by sector and types of practices that create value

Useful for due diligence screening for potential investments

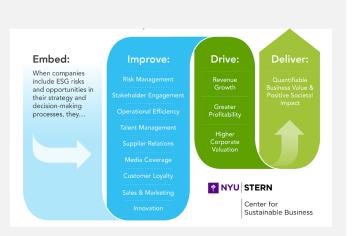
Provide questions to ask companies for research before owning stock/stake) and engagement (after owning stock/stake) purposes

Incorporate into valuation models when determining company intrinsic value

ROSI™ Methodology and Collaboration Process

For project collaborations, NYU Stern CSB works with company partners to implement the five-step ROSI™ framework process.

Identify material sustainability challenges. Identify Material ESG Issues (referencing frameworks such as SASB and GRI) & Strategies and how the business is addressing associated risks and/or opportunities Determine which practices have been or can be **Assess Practices** implemented to address sustainability strategies Define the types of economic benefits that could be **Define Benefits** expected from the changed practices through the ROSI™ mediating factors Estimate the magnitude of those benefits and when **Qualify Benefits** they could be realized Translate the benefits into economic value, stress Monetize test, and then forecast ROI



Overall approach across industries using ROSI

Companies and Investors can leverage industry-specific frameworks and tools for monetization casework. Additionally, companies can contribute to shifting industries by contributing to tools and cases. The NYU CSB implements the following approach using ROSI™ to collaborate with partners within various industries.







FRAMEWORK

We create industry specific thought leadership in quantifying benefits of material sustainability initiatives

Help companies understand which strategies and practices to prioritize

CASES

We partner with companies on cases linked to our identified strategies to prove the continued viability of the model

Provides a narrative overview and detailed accounting of our monetization method and results

TOOLS

We created excel tools focused on targeted practices to monetize and capture benefits for continued use after completion of the collaboration

Offers practical frameworks for companies to uncover benefits at their own organizations. May feed into other industry-wide or ESG frameworks like SASB.

Our ROSI™ Partners

NYU Stern CSB has collaborated with over 20 corporate and research partners to date on building and implementing ROSI™ including companies listed below











































The Apparel Industry faces numerous environmental challenges

Apparel manufacturing has significant environmental impacts spanning land use, water pollution, air pollution, and bio-diversity among others.











...as well as labor and social challenges.

Apparel manufacturing faces challenges with child & forced labor, low wages in retail and factories, harmful chemical exposure, and poor safety practices, among others.









The industry also faces numerous threats and disruptions

Challenges in traditional brick and mortar, the rise of ecommerce and the COVID pandemic create new challenges for the industry.







The Opportunity to Leverage ROSI™ for the Apparel Industry

Despite enormous challenge, the apparel industry is prioritizing and investing in sustainability strategies to address material ESG issues, innovate and discover new business models, and drive financial performance

The challenge is how to measure and quantify these investment to assess the value of benefits that can be accrued through more sustainable business practices

Through partner sponsorship with → HSBC , NYU CSB delivered the following project objectives based on the ROSI™ methodology. The project served as the foundation for the CSB's apparel work launching the *Apparel Industry Sustainable Strategies Framework;* which provides sustainability strategies and practices across the value chain

- Leverage the NYU Stern CSB Return on Sustainability Investment (ROSI) methodology to help estimate the tangible and intangible benefits accruing to apparel companies by prioritizing sustainability
- Develop a comprehensive framework that lays out the key strategies, practices, and sub-practices companies are prioritizing
- Map associated benefits, articulate monetization methods, and quantify benefits
- Develop case studies with partners
- Develop tools to help companies undertake this work at their own organizations and to feed into existing industry tools like HIGG Index or ESG frameworks like SASB or GRI

NYU ROSI™ Apparel Project Research Overview sponsored by



NYU CSB conducted desk research and primary research with industry associations, brands, and parts of the value chain that contributed to an in-depth understanding of the leading apparel industry sustainability strategies and the complexities of the industry at large.

NYU CSB collaborated with **corporate partners** to answer a variety of pertinent sustainability-related questions, including:

What are the monetary and intangible benefits of incorporating and promoting a sustainably-focused corporate culture?

What are the monetary and societal benefits of transitioning to more carbon-efficient transportation modes of product shipments?

What are the monetary and intangible benefits of implementing and promoting circular business models (and other forms of innovation) for current and prospective customers?

Corporate Partners





Reformation

*Project supported by HSBC, the sponsor of NYU Stern CSB's sustainable apparel project



Case Studies: Participants Involved & Focus Areas Continued

Through desk research and interviews with project corporate partners, the key areas were determined that could be used to derive the Return on Sustainable Investment specific to each company and their existing practices.



Investing in Circularity and Innovation



Improving Energy Management

S

Implement Product Take-Back Programs

Shifting away from Air Transportation



Investing in Circularity and Innovation

Implement Product Take-Back Programs



Investing in Employee and Supplier Well-Being

Invest in Indirect Benefits

ROSI[™] Apparel Work Completed & Looking Ahead

Through the sponsorship of HSBC and work with corporate partners, NYU CSB completed the following:

FRAMEWORK	We built the framework around 8 strategies, housing 25 practices and 66 sub-practices.
CASES	We partnered with companies on several cases linked to our identified strategies.
TOOLS	We created 18 excel tools focused on the circularity and innovation strategy to monetize and capture benefits.

By creating and disseminating a sustainable apparel framework, case studies in collaboration with apparel partners, and industry specific monetization tools, NYU Stern's CSB aims to encourage the development of sustainability initiatives across the industry.

Future work will include developing additional monetization tools and cases. We welcome partnership on future phases!



Apparel Industry Sustainable Strategies

In 2020, with funding from HSBC, we launched a framework with the apparel industry

We found that apparel companies are driving sustainability improvements using several strategies:



Defining the Sustainability Strategies

Reducing Chemical Impact

Improving Water Management

Improving Energy Management

Investing in Reduction of Material Waste

Implementing Sustainable Raw Material Sourcing

Investing in Circularity and Innovation

Investing in Employee and Supplier Well-Being

Investing in Sustainable Brand Marketing and Communications

Company reduces the impact of chemicals in its supply chain

Company focuses on water management through increased water efficiency, conservation, and reduction of wastewater quantity, while improving wastewater quality

Company focuses on practices to decrease greenhouse gas emissions by focusing on improving energy efficiency, changing distributions modes, and increasing use of renewable energy

Company implements practices to mitigate waste in areas such as fabric, consumer clothing, peripherals, and packaging

Company spurs innovation of new materials development and substitutes more sustainable materials in existing products and packaging

Company invests in innovation to achieve new circular business models which focus on product takeback and innovative design methods

Company improves labor conditions in their supply chain and across their corporate workforce through practices that directly and indirectly benefit the health and safety of the workforce

Company invests in marketing and education around sustainability through engagement campaigns and branding

Identified Sustainability Practices and Sub-practices

Through our research, we identified key sustainability **practices** and **sub-practices** companies implement to achieve their sustainability strategies.

The sub-practices provide specific methods to execute the sustainability practices designated within each strategy

The following diagram illustrates the methodology

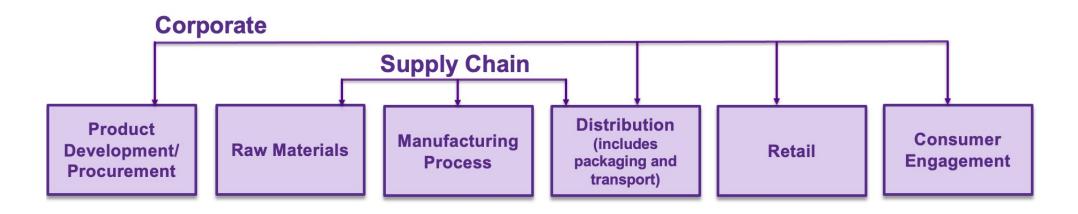


To the right is an example of how **practices** and corresponding **sub-practices** expand under the strategy of Reducing Chemical Impact



The Apparel Value Chain for the application of the Sustainable Strategies

We used a value chain approach to assess apparel sustainability efforts and map out the opportunities.



By differentiating between corporate and supply chain, we connected the practices within the sustainability strategies to the corresponding area(s) within the value chain.

We then determined where the responsibility lies and who could implement the practices, as well as the interdependencies helping to fortify a strategy that can drive change.

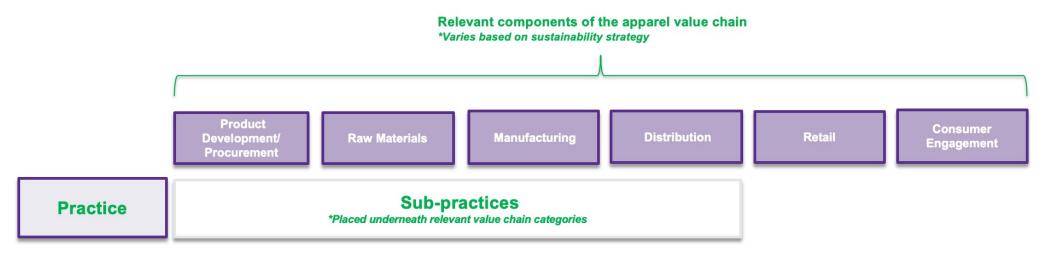
A challenge in implementation of key sustainability initiatives is understanding the drivers. With the complexity of the apparel system, the value chain is vital to determine the stakeholders for each practice as in some cases as many stakeholders and partnerships are often needed.

Sustainability Sub-practices mapped out along the value chain

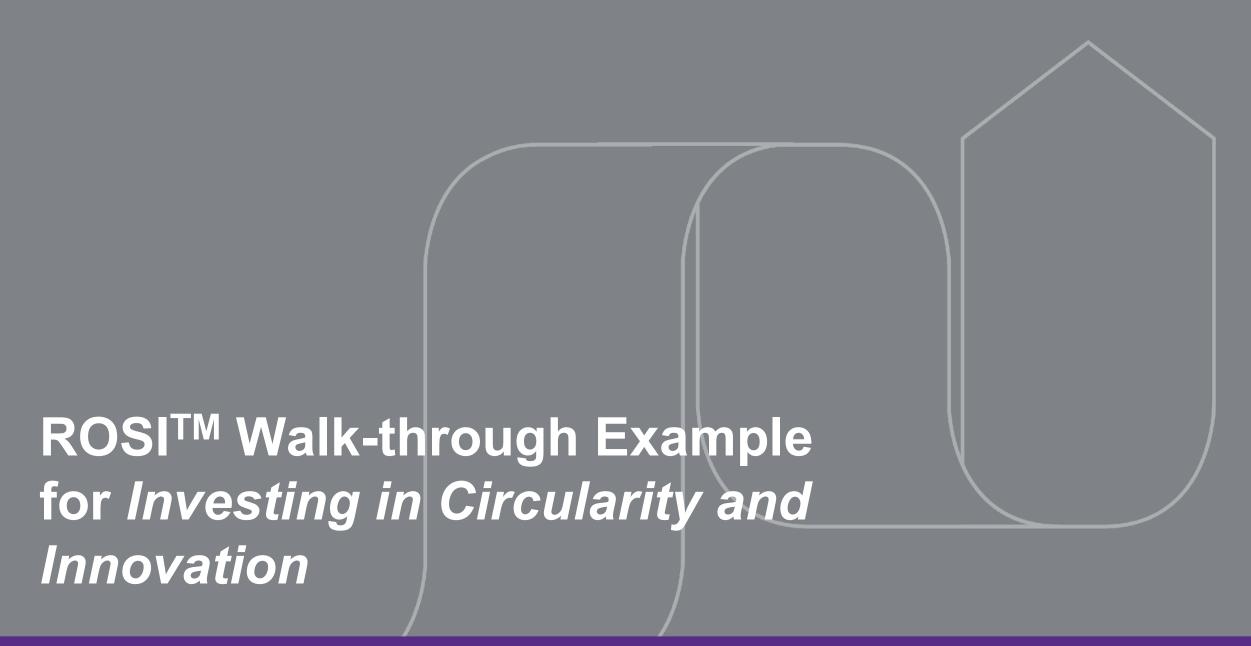
We mapped **sub-practices** to the relevant parts of the apparel value chain to determine the drivers and impacted stakeholders

Each strategy includes sub-practices under each relevant component of the value chain, (if not relevant to a part of the value chain, it is excluded)

Please see diagram below of the framework layout, which is illustrated for each strategy in the *Apparel Industry Sustainable Strategies Framework*

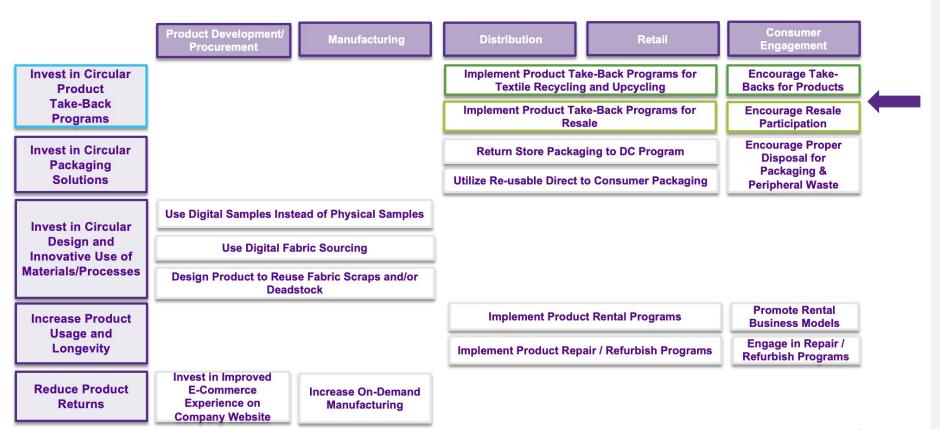


Compliance / enforcement practices are not explicitly listed in this framework but should be considered when implementing the eight strategies



Focusing on the Practice of Investing in Circular Product Take-Back Programs

For the project collaboration with *Reformation* and *Eileen Fisher*, NYU Stern CSB identified the Strategy of **Investing in Circularity and Innovation**.



The sub-practice of Implement
Take-Back Programs along
with Encouraging
Participation, whether taking
product back to a company or
resale purchases, was
determined as most material
under the practice of Invest in
Product Take-Back Programs
(as highlighted to the left)

The value chain most impacted with the implementation was Distribution, Retail, and Consumer Engagement.

Overview of Sample Benefits and Monetization Methods

Using the five-step ROSI™ framework process, the benefits, mediating factors and monetization methods were determined.

Each sub-practice led to a benefit (or multiple benefits) that intersect with different areas along the value chain. The proposed monetization methods captured the impacted areas and determined the value of the return on sustainability investments.

Practice	Sub-Practice	p-Practice Proposed Benefits		ating tors	Proposed Monetization Methods				
	Implement Product Take- Back Programs for Resale	Profit from reused items within resale programs *For strategic recommendations, working with third-parties is beneficial but there is upside to developing these capabilities in- house (incremental parent company profit, etc.)	IN	N	Calculate annual profit from resale program: annual revenue from resale program sales minus costs associated with selling reused items (i.e., sorting and cleaning costs)				
Invest in Circular Product Take- Back	Encourage Resale Participation	New purchase sales from participation in resale programs	CL	SM	Calculate incremental profit to the company from sales spurred by the existence of resale programs (i.e., shopping credit to purchase products) minus associated costs (i.e., shopping credit costs)				
Programs		Lower customer acquisition costs	CL	SM	Calculate estimated # of customers who purchase parent company products for the first time (via the resale program) multiplied by customer acquisition costs per customer to achieve avoided cost savings				
		Unpaid earned media	MC		Calculate cost per media exposure multiplied by # of unpaid media exposures (given program visibility) to achieve avoided cost savings				

Overview of Relevant Mediating Factors and Benefits for *Investing in Circular* **Product Take-Back Programs**

Benefits are quantified by mediating factors from the implemented sub-practices as illustrated below -

Relevant Mediating Factors

Innovation (INN)

Customer Loyalty (CL)

Sales & Marketing (SM)

Media Coverage (MC)

Benefits that...

Create new revenue streams using sustainable business models

Attract an increasing number of conscious buyers & consumers, while reducing retention costs

Increase volume of sales through brand and marketing policies

Increase a company's media presence with the development of both traditional and social media content

Overview of Circularity Monetization Tools

Using the 'Implement Product Take-Back Programs for Resale' practice as an example – over the next few slides, we illustrate the monetization of the following three benefits:

- 1. New purchase sales: Sales generated by the parent company** from customer participation in resale programs E.g., a customer who gives in a used item of clothing (to the resale program) is provided a gift card to spend at the parent company; the customer spend is defined as 'new purchase sales'
- **Lower customer acquisition costs:** Cost savings due to attraction of "free" resale customers to parent company products
- **Unpaid earned media:** Value of "free" media generated due to resale program visibility

^{*}Benefit monetization examples assume it's an in-house resale program

^{**}Parent company owns the in-house resale program but has separate benefits to monetize

Case 1: By Implementing the RENEW Circular Take-Back Program, EILEEN FISHER Accrues Financial and Brand-related Benefits





Profit from RENEW program



Incremental EILEEN FISHER profit from RENEW program



Customer acquisition cost reduction



Increase in earned media

Total net benefit of \$1.8 million for 2019

NYU Stern CSB collaborated with Eileen Fisher to monetize the implementation of a Circular Take –Back Program





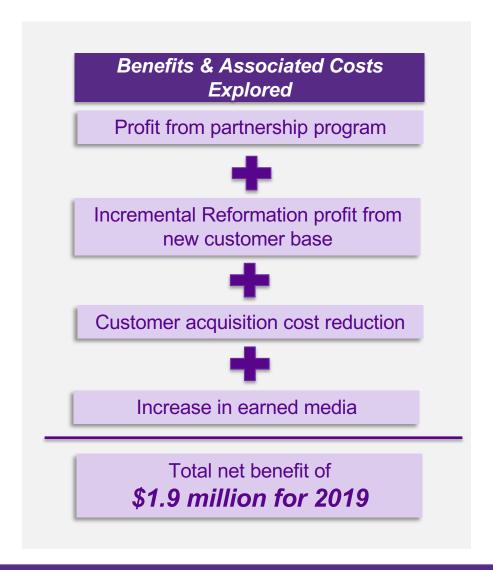




Photos by EILEEN FISHER

Reformation

Case 2: By Partnering with thredUP on a Circular Take-Back Program, Reformation Accrues Financial and Brand-related Benefits



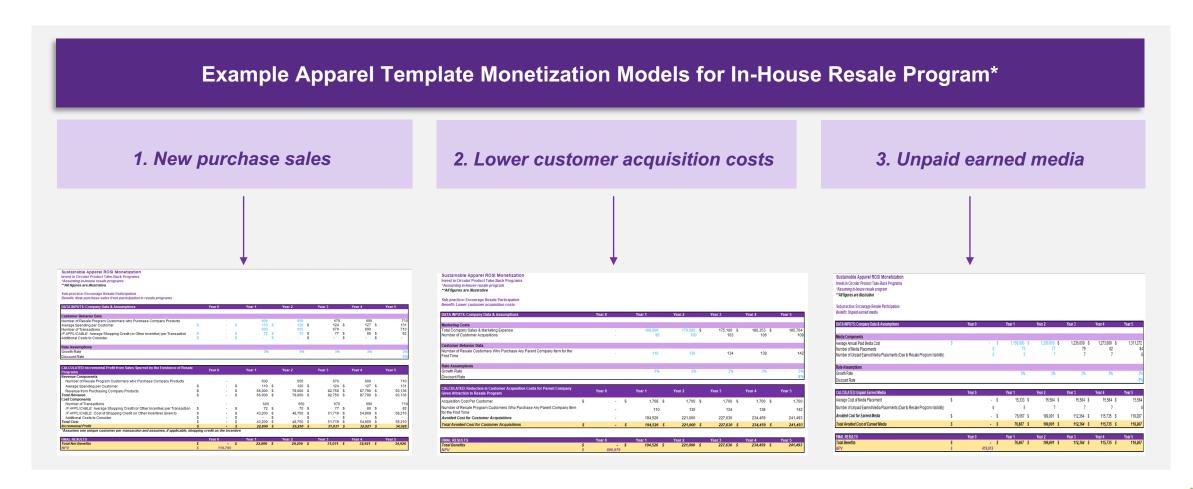
NYU Stern CSB collaborated with Reformation to monetize the implementation of a Circular Take—Back Program





Monetization Tools for Industry Application: Circularity Examples

With the development of template monetization models, apparel companies can leverage these tools for future sustainable investment decisions:



Example 1: New Purchase Sales Template Monetization Model

Benefit: New purchase sales for the parent company from participation in resale programs

Invest in Circular Product Take-Back Programs												
*Assuming in-house resale programs **All figures are illustrative												
Sub-practice: Encourage Resale Participation Benefit: New purchase sales from participation in resale programs												
DATA INPUTS: Company Data & Assumptions		Year 0		Year 1		Year 2	Ye	ear 3		Year 4		Year 5
Customer Behavior Data												
Number of Resale Program Customers who Purchase Company Products		-		600		650		670		690		71
Average Spending per Customer	\$	-	\$	110	\$	120	5	124	\$	127	\$	13
Number of Transactions		-		600		650	_	670	_	690	_	71
F APPLICABLE: Average Shopping Credit (or Other Incentive) per Transaction	\$	-	\$	72	\$	75	-	77	-	80	_	8
Additional Costs to Consider	\$	-	\$	-	\$	- ;	Б	-	\$	-	\$	-
ate Assumptions												
rowth Rate				3%		3%		3%		3%		3
discount Rate												8
CALCULATED: Incremental Profit from Sales Spurred by the Existence of Resale		Vear ()		Voar 1		Voar 2	V	par 3		Voar /		
CALCULATED: Incremental Profit from Sales Spurred by the Existence of Resale Programs		Year 0		Year 1		Year 2	Y	ear 3		Year 4		Year 5
CALCULATED: Incremental Profit from Sales Spurred by the Existence of Resale Programs Revenue Components		Year 0					Y					Year 5
CALCULATED: Incremental Profit from Sales Spurred by the Existence of Resale Programs Revenue Components Number of Resale Program Customers who Purchase Company Products		Year 0	•	600	•	650		670	•	690	•	Year 5
CALCULATED: Incremental Profit from Sales Spurred by the Existence of Resale Programs Revenue Components Number of Resale Program Customers who Purchase Company Products Average Spending per Customer	\$	Year 0 -	\$	600 110	-	650 120	5	670 124	-	690 127	-	Year 5 71 13
CALCULATED: Incremental Profit from Sales Spurred by the Existence of Resale Programs Revenue Components Number of Resale Program Customers who Purchase Company Products Average Spending per Customer Revenue from Purchasing Company Products	\$ \$	Year 0	\$	600 110 66,000	\$	650 120 78,000	5 5	670 124 82,750	\$	690 127 87,790	\$	Year 5 71 13 93,13
CALCULATED: Incremental Profit from Sales Spurred by the Existence of Resale Programs Revenue Components Number of Resale Program Customers who Purchase Company Products Average Spending per Customer Revenue from Purchasing Company Products Total Revenue	\$	Year 0		600 110	\$	650 120	5 5	670 124	\$	690 127	\$	Year 5 71 13 93,13
CALCULATED: Incremental Profit from Sales Spurred by the Existence of Resale Programs Revenue Components Number of Resale Program Customers who Purchase Company Products Average Spending per Customer Revenue from Purchasing Company Products Total Revenue Cost Components	\$ \$	Year 0	\$	600 110 66,000 66,000	\$	650 120 78,000 78,000	5 5	670 124 82,750 82,750	\$	690 127 87,790 87,790	\$	Year 5 71 13 93,13 93,13
CALCULATED: Incremental Profit from Sales Spurred by the Existence of Resale Programs Revenue Components Number of Resale Program Customers who Purchase Company Products Average Spending per Customer Revenue from Purchasing Company Products Total Revenue Cost Components Number of Transactions	\$ \$	Year 0	\$	600 110 66,000 66,000	\$	650 120 78,000 78,000 650	5 5 5	670 124 82,750 82,750	\$	690 127 87,790 87,790	\$	Year 5 71 13 93,13 93,13
CALCULATED: Incremental Profit from Sales Spurred by the Existence of Resale Programs Revenue Components Number of Resale Program Customers who Purchase Company Products Average Spending per Customer Revenue from Purchasing Company Products Total Revenue Cost Components Number of Transactions IF APPLICABLE: Average Shopping Credit (or Other Incentive) per Transaction	\$ \$ \$	Year 0	\$ \$	600 110 66,000 66,000 600 72	\$ \$	650 120 78,000 78,000 650 75	5 5 5	670 124 82,750 82,750 670 77	\$ \$	690 127 87,790 87,790 690 80	\$ \$	Year 5 71 13 93,13 93,13 7
CALCULATED: Incremental Profit from Sales Spurred by the Existence of Resale Programs Revenue Components Number of Resale Program Customers who Purchase Company Products Average Spending per Customer Revenue from Purchasing Company Products Total Revenue Cost Components Number of Transactions IF APPLICABLE: Average Shopping Credit (or Other Incentive) per Transaction IF APPLICABLE: Cost of Shopping Credit (or Other Incentive) Given to	\$ \$	Year 0	\$	600 110 66,000 66,000	\$ \$	650 120 78,000 78,000 650 75 48,750	5 5 5	670 124 82,750 82,750	\$ \$	690 127 87,790 87,790	\$ \$	71 13 93,13 93,13 7 8 58,21
CALCULATED: Incremental Profit from Sales Spurred by the Existence of Resale Programs Revenue Components Number of Resale Program Customers who Purchase Company Products Average Spending per Customer Revenue from Purchasing Company Products Total Revenue Cost Components Number of Transactions IF APPLICABLE: Average Shopping Credit (or Other Incentive) per Transaction IF APPLICABLE: Cost of Shopping Credit (or Other Incentive) Given to Additional Costs to Consider	\$ \$ \$ \$	Year 0	\$ \$	600 110 66,000 66,000 600 72 43,200	\$ \$ \$ \$ \$	650 120 78,000 78,000 650 75 48,750	5 5 5	670 124 82,750 82,750 670 77 51,719	\$ \$ \$ \$ \$	690 127 87,790 87,790 690 80	\$ \$ \$ \$ \$	Year 5 71 13 93,13 93,13 77 8 58,21
CALCULATED: Incremental Profit from Sales Spurred by the Existence of Resale Programs Revenue Components Number of Resale Program Customers who Purchase Company Products Average Spending per Customer Revenue from Purchasing Company Products Fotal Revenue Cost Components Number of Transactions IF APPLICABLE: Average Shopping Credit (or Other Incentive) per Transaction IF APPLICABLE: Cost of Shopping Credit (or Other Incentive) Given to Additional Costs to Consider Fotal Cost Incremental Profit	5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	- - - - - - - -	\$\$ \$\$\$\$\$	600 110 66,000 66,000 72 43,200 - 43,200 22,800	\$ \$ \$ \$ \$ \$	650 120 78,000 78,000 650 75 48,750	5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	670 124 82,750 82,750 670 77 51,719	\$ \$ \$ \$ \$ \$ \$ \$	690 127 87,790 87,790 690 80 54,869	\$ \$ \$ \$ \$ \$ \$	Year 5 71 13 93,13 93,13 7 7 8 58,21
CALCULATED: Incremental Profit from Sales Spurred by the Existence of Resale Programs Revenue Components Number of Resale Program Customers who Purchase Company Products Average Spending per Customer Revenue from Purchasing Company Products Fotal Revenue Cost Components Number of Transactions IF APPLICABLE: Average Shopping Credit (or Other Incentive) per Transaction IF APPLICABLE: Cost of Shopping Credit (or Other Incentive) Given to Additional Costs to Consider Fotal Cost Incremental Profit	5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	- - - - - - - -	\$\$ \$\$\$\$\$	600 110 66,000 66,000 72 43,200 - 43,200 22,800	\$ \$ \$ \$ \$ \$	650 120 78,000 78,000 650 75 48,750 48,750	5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	670 124 82,750 82,750 670 77 51,719	\$ \$ \$ \$ \$ \$ \$ \$	690 127 87,790 87,790 690 80 54,869	\$ \$ \$ \$ \$ \$ \$	Year 5 71 13 93,13 93,13 77 8 58,21
Average Spending per Customer Revenue from Purchasing Company Products Total Revenue Cost Components Number of Transactions IF APPLICABLE: Average Shopping Credit (or Other Incentive) per Transaction IF APPLICABLE: Cost of Shopping Credit (or Other Incentive) Given to	5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	- - - - - - - -	\$\$ \$\$\$\$\$	600 110 66,000 66,000 72 43,200 - 43,200 22,800	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	650 120 78,000 78,000 650 75 48,750 48,750	6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	670 124 82,750 82,750 670 77 51,719	\$ \$ \$ \$ \$	690 127 87,790 87,790 690 80 54,869	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	Year 5 71 13 93,13 93,13 77 8

^{*}Figures are illustrative



Example 2: Lower Customer Acquisition Costs Template Monetization Model

Benefit: Lower customer acquisition costs, given attraction of resale customers to parent company products

Sustainable Apparel ROSI Monetization									
Invest in Circular Product Take-Back Programs									
*Assuming in-house resale program									
**All figures are illustrative									
Sub-practice: Encourage Resale Participation									
Benefit: Lower customer acquisition costs									
DATA INDUTO: Common Data & Account		V0		Vasad		V2	V2	V	V
DATA INPUTS: Company Data & Assumptions		Year 0		Year 1		Year 2	Year 3	Year 4	Year 5
Marketing Costs									
Total Company Sales & Marketing Expense			- \$	168,000	\$	170,000 \$			185,764
Number of Customer Acquisitions			-	95		100	103	106	10:
Customer Behavior Data									
Number of Resale Customers Who Purchase Any Parent Company Item for the			_	110		130	134	138	14
First Time				110		130	154	150	14.
Rate Assumptions									
Growth Rate				3%		3%	3%	3%	39
Discount Rate									89
CALCULATED: Reduction in Customer Acquisition Costs for Parent Company									
Given Attraction to Resale Program		Year 0		Year 1		Year 2	Year 3	Year 4	Year 5
Acquisition Cost Per Customer	\$		- \$	1,768	\$	1,700 \$	1,700	\$ 1,700 \$	1,700
Number of Resale Program Customers Who Purchase Any Parent Company Item			_	110		130	134	138	142
for the First Time	_		_		_				
Avoided Cost for Customer Acquisitions	\$		- \$	194,526		221,000 \$			241,493
Total Avoided Cost for Customer Acquisitions	\$		- \$	194,526	\$	221,000 \$	227,630	\$ 234,459 \$	241,493
FINAL RESULTS		Year 0		Year 1		Year 2	Year 3	Year 4	Year 5
Total Benefits	\$		- \$	194,526	6	221,000 \$	227,630	\$ 234,459 \$	241,493

^{*}Figures are illustrative

Example 3: Unpaid Earned Media Template Monetization Model

Benefit: Unpaid earned media for the parent company due to resale program visibility

Sustainable Apparel ROSI Monetization								
Invest in Circular Product Take-Back Programs *Assuming in-house resale program								
**All figures are illustrative								
Sub-practice: Encourage Resale Participation Benefit: Unpaid earned media								
belletit. Otipala eartied thedia								
DATA INPUTS: Company Data & Assumptions		Year 0		Year 1	Year 2	Year 3	Year 4	Year 5
Media Components								
Average Annual Paid Media Cost	S.		- S	1,150,000 \$	1.200.000 \$	1.236.000 \$	1,273,080 \$	1,311.
Number of Media Placements	•		0	75	77	79	82	1,011,
Number of Unpaid Earned Media Placements (Due to Resale Program Visibility)			0	5	7	7	7	
Rate Assumptions								
Growth Rate				3%	3%	3%	3%	
Discount Rate								
CALCULATED: Unpaid Earned Media		Year 0		Year 1	Year 2	Year 3	Year 4	Year 5
verage Cost of Media Placement	\$		- \$	15,333 \$	15,584 \$	15,584 \$	15,584 \$	15
lumber of Unpaid Earned Media Placements (Due to Resale Program Visibility)			0	5	7	7	7	
	\$		- \$	76,667 \$	109,091 \$	112,364 \$	115,735 \$	119,
voided Cost for Earned Media			- \$	76,667 \$	109,091 \$	112,364 \$	115,735 \$	119
	\$							
Avoided Cost for Earned Media Total Avoided Cost for Earned Media FINAL RESULTS	\$	Year 0		Year 1	Year 2	Year 3	Year 4	Year 5

^{*}Figures are illustrative





Case 3: EILEEN FISHER Finds Financial Cost Savings and Societal **Benefit by Shifting Away from Air Transportation**



NYU Stern CSB collaborated with Eileen Fisher to monetize shifting its transportation mix away from air and towards sea and trucking transports

Transportation Cost Savings

In 2019, the company spent ~\$1.6 million less in transportation costs than in 2015

Societal Benefit

From 2015 to 2019, the company achieved a cumulative societal benefit of ~\$150,000* due to the reduction in its GHG emissions



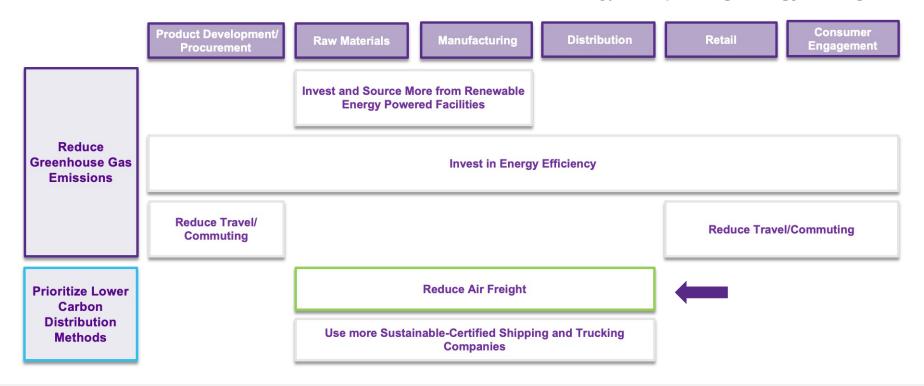


^{*}Using \$50 per MT CO₂e as the social cost of carbon



Focusing on the Practice of *Prioritizing Lower Carbon Distribution Methods*

For the project collaboration with *Eileen Fisher*, NYU Stern CSB identified the Strategy of **Improving Energy Management**



Under the practice of **Prioritize Lower Carbon Distribution Methods**, the sub-practice of **Reduce Air Freight** was determined as most material (as highlighted above).

The value chain most impacted with the implementation was Raw Materials, Manufacturing, and Distribution.

Overview of Sample Benefits and Monetization Methods for sub-practice of *Reduce Air Freight*

Practice	Sub-Practice	Proposed Benefits	Mediating Factors	Proposed Monetization Methods
	Reduce Air Freight	Reduced transportations costs (by shifting transport towards sea and trucking)	OE	Calculate cost differential of shipping costs before and after shift in transport mode (from air to sea and trucking) to achieve avoided cost savings
Prioritize Lower Carbon Distribution Methods		Increased Societal Benefit through a reduction in GHG emissions	SE	Calculate savings in societal benefit using the reduction of GHG emissions (from shift in transport mode) by the social cost of carbon
		Reduced impact for future regulations on emissions	RM	Calculate differential of GHG emissions before and after shift in transport mode (from air to sea and trucking) and use NPV to determine future cost savings on estimated carbon and regulatory taxes

Benefits are quantified by mediating factors from the implemented sub-practices as illustrated below -

Operational Efficiency (OE)

Stakeholder Engagement (SE)

Risk Management (RM)

Optimize corporate and supply chain efficiencies to lower cost and increase profits

Improve goodwill amongst the broader stakeholder community (i.e. NGOs)

Encourage resilience within the supply base by decreasing supplier dependency

Case 4: REI's Sustainability Program Delivers HR Results



NYU Stern CSB collaborated with REI to monetize investment in Employee Sustainability Programs





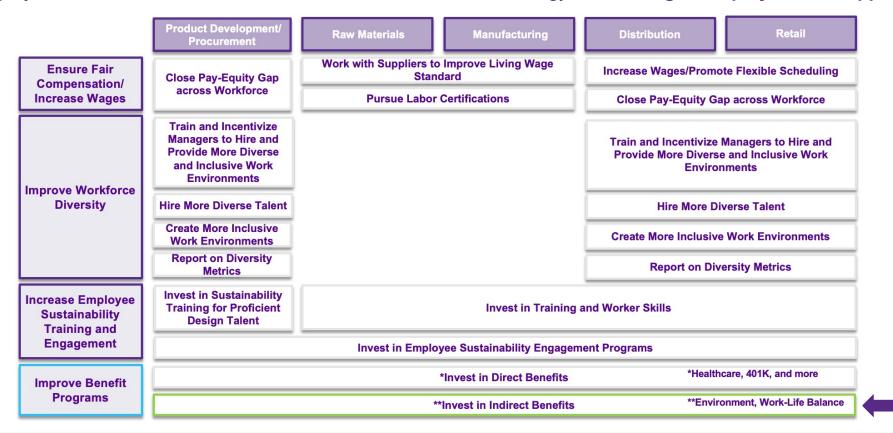


^{*}This figure is ~5% of payroll expenses



Focusing on the Strategy of *Improve Benefit Programs*

For the project collaboration with REI, NYU Stern CSB identified the Strategy of Investing in Employee and Supplier Well-Being



The sub-practice of **Invest in Indirect Benefits** was determined to be most material under the practice of **Improve Benefit Programs** as highlighted above.

Overview of Sample Benefits and Monetization Methods for sub-practice of *Invest in Indirect Benefits*

Practice	Sub-Practice	Proposed Benefits	Mediating Factors	Proposed Monetization Methods
	Invest in Indirect Benefits (Environment, Work-Life Balance)	Increase in net benefits associated with programs such as employee well-being	ER	Calculate monetary benefit by assigning a value (such as # of days off) to a daily wage multiplier
		Increase in employee productivity due to investment in indirect benefits	ER	Calculate monetary increase by multiplying number of employees by average annual salary and then multiplying by industry standard productivity increase from investment in indirect benefits
		Reduce costs associated with turnover rates	ER	Calculate turnover rate differential between company and industry standard turnover rates, then multiply by number of employees, annual salary, and turnover cost as a percentage of salary
		Reduce costs associated with hiring	ER	Calculate turnover rate differential and multiply by the number of employees and the cost of hiring per employee

Benefits are quantified by mediating factor(s) from the implemented sub-practices as illustrated below -

Employee Relations (ER)

Improve employee workplace culture and retain talent



Press for NYU Stern CSB Apparel Work

Apparel Project Launch



HSBC, Eileen Fisher, REI on Driving Profits Through Sustainability

At the Bloomberg Sustainable Business Summit, CSB Director Tensie Whelan moderates a panel of participating project partners as they discuss Return on Sustainability Investment (ROSI) across the apparel industry and in their companies.



In the Press



The Business Case for Sustainable Apparel



Resale's contradiction: Selling 'new" on secondhand sites



There's a New Apparel Sustainability
Framework - and Eileen Fisher, Reformation,
and REI Are on Board



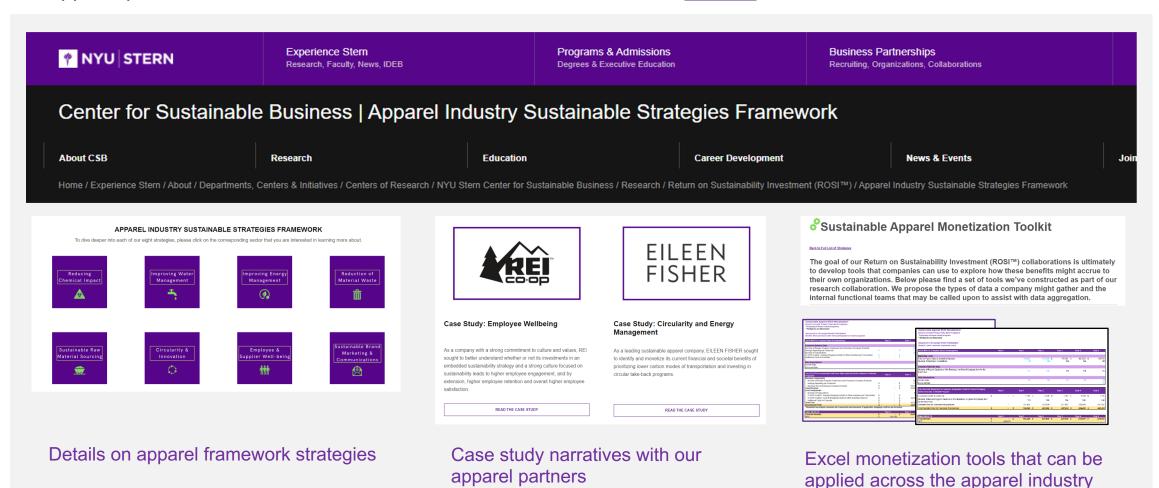
<u>Circular Business Model Lessons from</u> IKEA, REI, and Eileen Fisher



Fashion Goes Green to Raise Capital

ROSI Apparel Resources & Tools

NYU Stern CSB offers in-depth resources on the apparel framework, including details by strategy, case studies with our apparel partners, and Excel monetization tools for download at our <u>website</u>



Recent Thought Leadership from NYU Stern CSB (as of April 2021)

ESG Research

Report: Determining the Financial Impact of ESG Investing Meta-studies examining the relationship between environmental, social, and governance ("ESG") and financial performance have a decades-long history. Almost all the articles they cover, however, were written before 2015. Those analyses found positive correlations between ESG performance and operational efficiencies, stock performance, and lower cost of capital. In collaboration with Rockefeller Asset Management, we examine the relationship between ESG and financial performance in more than 1,000 research papers from 2015 – 2020.

Consumer Insights Research

<u>Updated Sustainable</u> Share Market Index In the latest installment of the Sustainable Share Market Index[™] launched in 2019, NYU Stern CSB finds that sustainability-marketed products are responsible for more than half of the growth in consumer-packaged goods from 2015 to 2019, and that this growth continues despite the COVID-19 pandemic.

Articles

Making a Better Business Case for ESG In a recent article in the Stanford Social Innovation Review, NYU Stern CSB Director Tensie Whelan explains how embedding ESG initiatives into core business strategy is not only good for profits, but also essential to customer allegiance and risk mitigation - as proven by ROSI.

How to Talk to Your

<u>CFO about</u>

Sustainability

By now most companies have committed to sustainability efforts—and yet many CFOs still see those efforts as a cost rather than a source of value. That makes it hard to unlock the internal financing needed to scale them up. Particularly now, as companies scrutinize budgets threatened by the COVID-19 pandemic, the ROSI analysis can help CFOs improve organizational finances through sustainability investments that create value for investors, employees, customers, and the world at large.

Boards Are Obstructing
ESG – at Their Own
Peril

Given recent developments in 2020, investors and chief executives now take ESG seriously in their decision making; however, one impactful group is lagging: corporate boards. Recent research conducted by NYU Stern CSB illustrates that many corporate boards have minimum ESG-related expertise, and many do not recognize the need to pay attention to material sustainability issues.



Center for Sustainable Business

Appendix



CSB contributors to the apparel project include **Tensie Whelan**, **Sophie Rifkin**, **Rithu Raman**, **Kevin** Eckerle, Elyse Douglas, and Randi Kronthal-Sacco.

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Reducing Chemical Impact

Product Development/ Procurement

Raw Materials

Manufacturing

Reduce Chemicals in Manufacturing **Process**

Invest in R&D to Develop Sustainable Manufacturing Processes

Reduce Toxic Chemicals in Materials, Dyes, and **Processing**

Reduce Chemical Waste

Expand product offering to use more bio-based alternatives for chemicals and dyes in materials

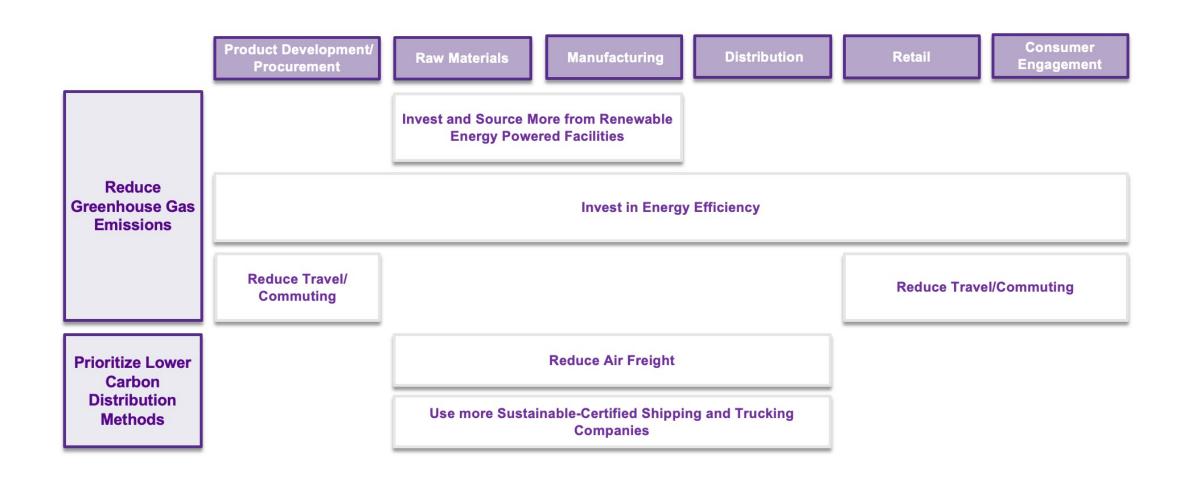
Substitute Bio-based alternatives for chemicals in dyes and materials

Invest in Circular Manufacturing Processes to reduce and reuse chemicals

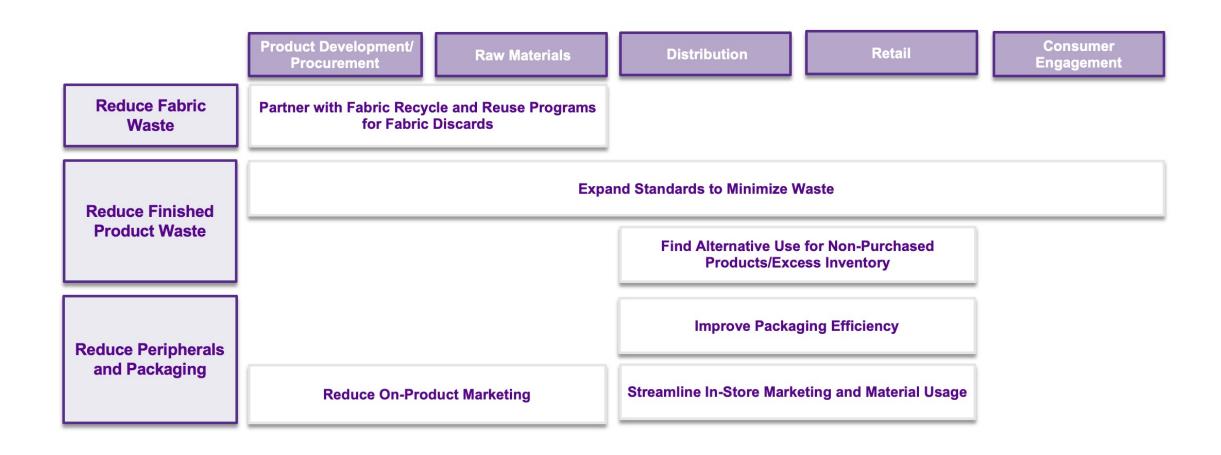
Improving Water Management

Product Development/ Consumer **Raw Materials** Manufacturing **Procurement Engagement Improve Water Establish Internal Invest in Reduced-Water-Usage Solutions Price on Water Efficiency** Partner with NGOS on Watershed Replenishment Programs **Conserve Water** Resources (Replenishment) **Invest in Community Stewardship Watershed Programs Invest in Wastewater Reduction programs Improve Wastewater** Management **Invest in Improving Wastewater Quality**

Improving Energy Management

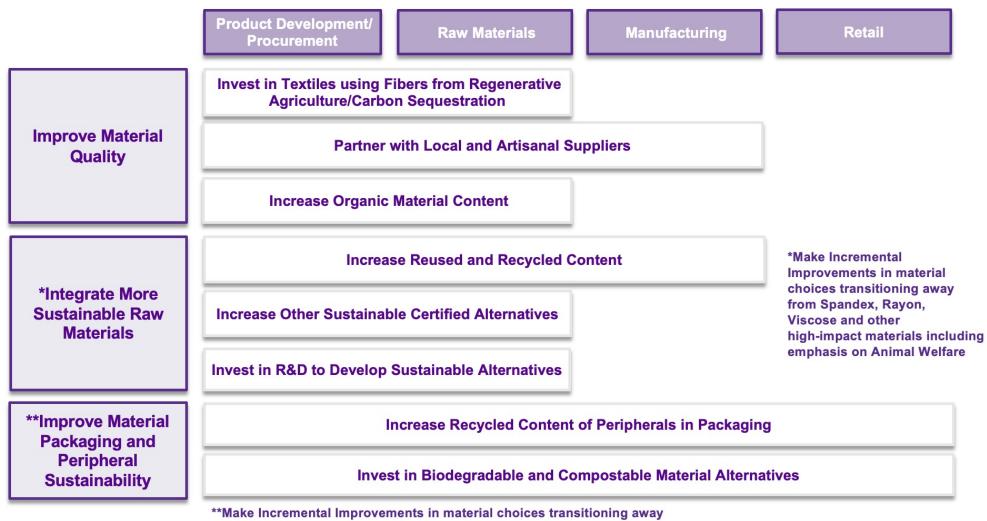


Investing in Reduction of Material Waste*



*Includes Fabric, Packaging, Consumer

Implementing Sustainable Raw Material Sourcing

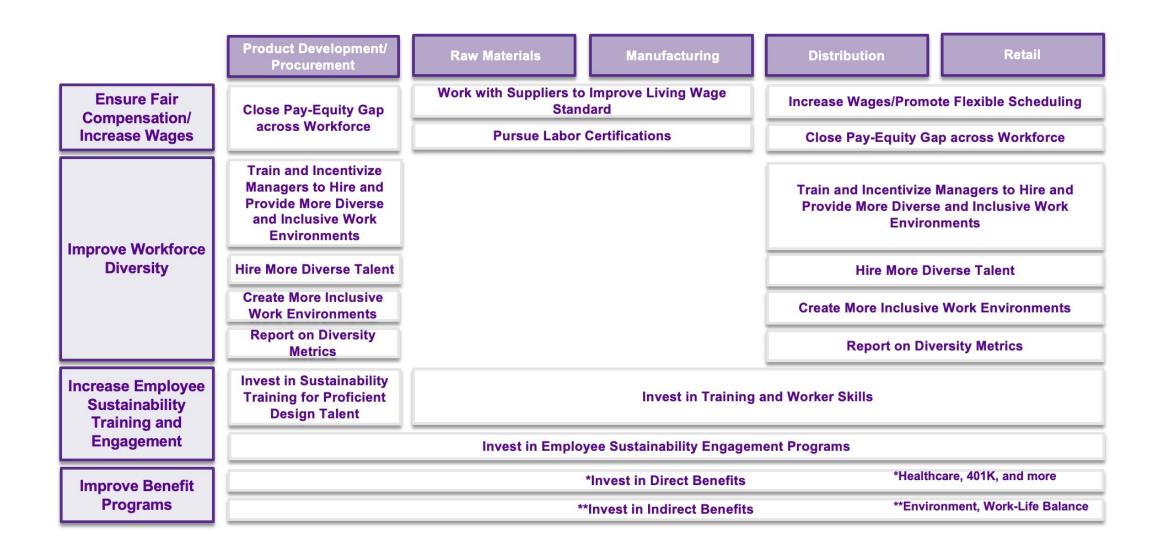


from plastics and high-impact materials including emphasis on FSC Certification

Investing in Circularity and Innovation

Consumer Product Development/ Manufacturing Distribution Retail **Engagement Procurement** Invest in Circular **Implement Product Take-Back Programs for Encourage Take-Textile Recycling and Upcycling Backs for Products Product** Take-Back **Implement Product Take-Back Programs for Encourage Resale** Resale **Participation Programs Encourage Proper Invest in Circular Return Store Packaging to DC Program** Disposal for **Packaging** Packaging & **Solutions Utilize Re-usable Direct to Consumer Packaging Peripheral Waste Use Digital Samples Instead of Physical Samples Invest in Circular Design and Use Digital Fabric Sourcing** Innovative Use of **Materials/Processes** Design Product to Reuse Fabric Scraps and/or Deadstock **Promote Rental Implement Product Rental Programs Increase Product Business Models Usage and** Engage in Repair / Longevity Implement Product Repair / Refurbish Programs **Refurbish Programs Invest in Improved Reduce Product** E-Commerce Increase On-Demand Returns Experience on Manufacturing **Company Website**

Investing in Employee and Supplier Well-Being



Investing in Sustainable Brand Marketing and Communications*



^{*}Includes Employees, Customers, and Other Stakeholders



Center for Sustainable Business

