

The Business Case for Sustainable Apparel

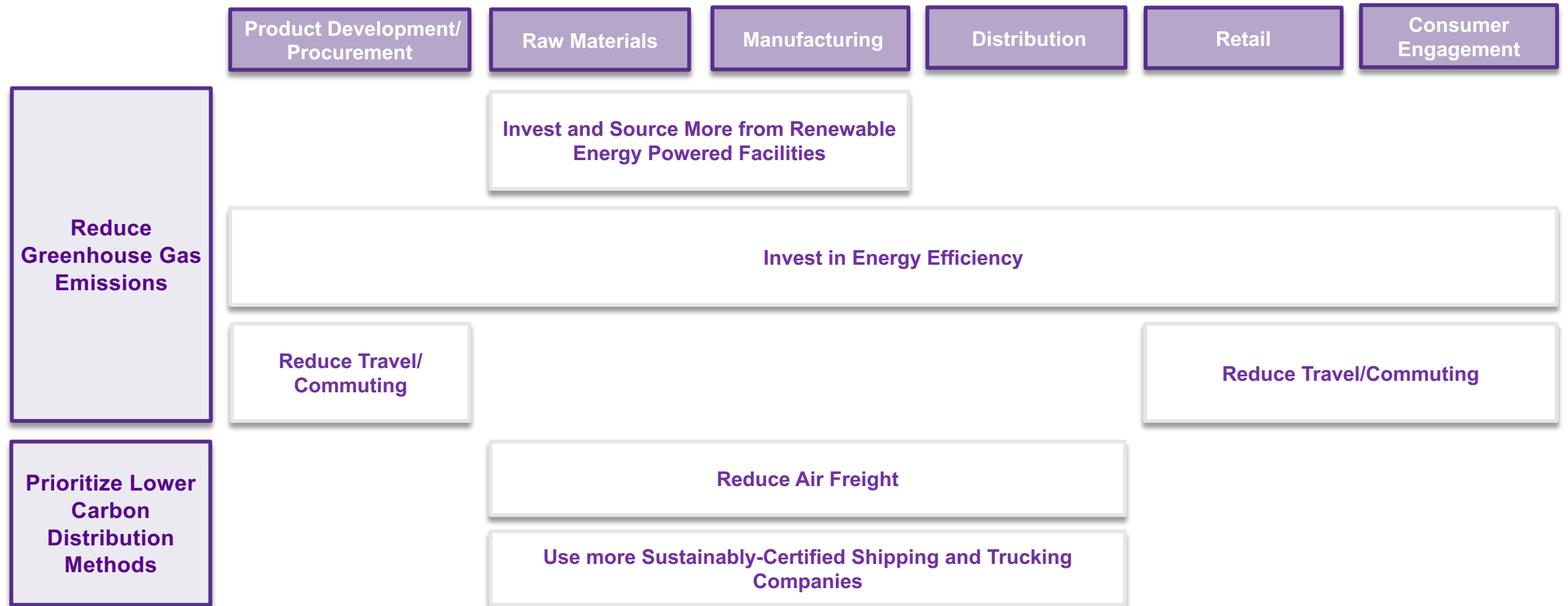
Strategy for Improving Energy Management

Phase 1: December 2020

Phase 2: April 2021



Improving Energy Management



Improving Energy Management

Overview of Sustainability Strategy and Relevant Mediating Factors

In the following slides, we will focus on the benefits realized from *Improving Energy Management*, which are categorized based on the relevant mediating categories highlighted below:

Sustainability Strategy Definition

Improving Energy Management

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

Relevant Mediating Factors

Customer Loyalty (CL)

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

Employee Relations (ER)

Improve employee workplace culture and retain talent

Operational Efficiency (OE)

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

Risk Management (RM)

Encourage risk mitigation and resilience within the value chain

Sales & Marketing (SM)

Increase volume of sales through brand and marketing policies

Supplier Relations (SR)

Improve upon the relationships between the company and its suppliers

Stakeholder Engagement (SE)

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



Improving Energy Management

Overview of Benefits and Monetization Methods (1/2)

Practice	Sub-Practice	Proposed Benefits	Mediating Factors		Proposed Monetization Methods	Financial Impact Priority
Reduce Greenhouse Gas Emissions	Invest and Source More from Renewable Energy-Powered Facilities	Reduce costs by sourcing more from supplier and manufacturing partners that use renewable power <i>*No upfront CapEx from company; sourcing and manufacturing method only</i>	OE	SR	Calculate cost differential of supplier and production costs before and after sourcing with manufacturing partners using renewable energy to power. Include incremental cost of sourcing from new facilities (on-boarding, development, testing, production-run process, etc.) <i>*Manufacturing partners to analyze per unit cost of renewable energy used compared to per unit cost of traditional energy and input into costs assigned per product produced</i>	
		Investing/co-investing with suppliers in onsite equipment for renewable power <i>*Shared or total CapEx from company for renewable energy usage at supplier facility</i>	OE	SR	Calculate upfront investment cost's impact on supplier production costs vs existing production costs using traditional/non-renewable energy sources <i>*Volume and cost of energy consumed for manufacturers per unit produced</i> <ul style="list-style-type: none"> Company investment for renewable power sources and infrastructure – cost differential before and after installation with company obtaining total savings included in product cost Co-invest for renewable power sources and infrastructure – cost differential before and after installation with company obtaining <u>shared</u> savings in the product costs 	✓



= If implemented, this benefit can realize substantial financial impact



Improving Energy Management

Overview of Benefits and Monetization Methods (1/2 Cont.)

Practice	Sub-Practice	Proposed Benefits	Mediating Factors		Proposed Monetization Methods	Financial Impact Priority
Reduce Greenhouse Gas Emissions	Invest and Source More from Renewable Energy-Powered Facilities	Increased societal benefit through a reduction in GHG Emissions based on energy (kWh) displacement	SR	SE	Calculate savings in societal benefit using the displacement/reduction of kWh (converted into GHG emissions) by the social cost of carbon	
		Reduced supply chain disruption, given less supplier dependency on fossil fuels as energy sources	RM		Calculate estimated reduction in # of supply chain disruptions before and after usage of renewable energy powered facilities multiplied by cost per disruption (or loss of sales per disruption) to achieve estimated cost savings <i>*Based on Forecast of traditional energy price volatility and expected renewable energy growth for a 3-5 year period</i>	
		Reduced risk for future carbon regulations	RM		Calculate cost differential of kWh usage and associated costs before and after sourcing more from renewable energy powered facilities and use NPV to determine future cost savings on increase REC costs	✓

Improving Energy Management

Overview of Benefits and Monetization Methods (1/2 Cont.)

Practice	Sub-Practice	Proposed Benefits	Mediating Factors	Proposed Monetization Methods	Financial Impact Priority
Reduce Greenhouse Emissions	Invest in Energy Efficiency Source	Reduce costs for energy usage/consumption	OE	Calculate the cost differential between an upgrade to efficient energy usage (including investment costs of switching to energy efficient resources, total energy usage costs, efficiency investment costs (to program administrator)) and traditional energy usage	✓
		Increased Societal Benefit through a reduction in GHG Emissions, based on energy (kWh) usage	SE	Calculate savings in societal benefit using the reduction of kWh (converted into GHG emissions) by the social cost of carbon	
		Increased brand value from investing in energy efficiency	CL SM	Calculate incremental profit to the company from sales spurred by the existence of energy efficiency minus associated costs of utilizing efficient resources	

Improving Energy Management

Overview of Benefits and Monetization Methods (1/2 Cont.)

Practice	Sub-Practice	Proposed Benefits	Mediating Factors	Proposed Monetization Methods	Financial Impact Priority
Reduce Greenhouse Gas Emissions	Reduce Travel / Commuting	Reduce costs from reduction in travel with reduction of use of private aircraft, transitioning to commercial flights or less carbon intensive methods of transport when feasible	OE	Calculate cost differential between company savings in reduction of travel (by use of private aircraft and/or research, development, and production trips) and quantified associated costs (potential product quality/ design concerns/delivery delays, potential lost productivity, additional capex expenditure for technology where feasible)	✓
		Increase productivity with less time on commuting/increase work from home <i>*This includes but not limited to offering flexible work from home policies, providing employee mass transit benefits, and transitioning to teleconference when feasible</i>	OE	Calculate cost differential between company productivity metrics before and after program implementation and compare against associated costs (employee mass transit benefits, CapEx for teleconference equipment/technology, laptops/phones) and saving (decrease in office overhead, such as office space and peripherals)	
		Increase in employee productivity due to reduced work commute, i.e. increase remote work opportunities	ER	Calculate monetary increase by multiplying number of employees by average annual salary and then multiplying by industry standard productivity increase from investment in direct benefits	
		Reduce impact for future disruptions through implementation of reduced travel/commuting programs, technology, infrastructure, operations, and other associated strategies	RM	Calculate estimated reduction in # of disruptions before and after implementation of reduction of travel and commuting multiplied by cost per disruption to achieve avoided cost savings	

Improving Energy Management

Overview of Benefits and Monetization Methods (2/2)

Practice	Sub-Practice	Proposed Benefits	Mediating Factors	Proposed Monetization Methods	Financial Impact Priority
Prioritize Lower Carbon Distribution 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	✓
		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	
	Use More Sustainable Certified Shipping and Trucking Companies Source Assuming DC to store transport <i>*For this sub-practice, we focused on trucking with air under the 'reduce air freight practice'. We can research sustainable certified sea shipping if needed.</i>	Reduced costs by utilizing shared services for full truckload (TL) (ex. flock freight – partner of US Environmental Protection Agency's SmartWay Transport Program)	OE	Calculate cost differential of shipping costs before and after transition to sustainable shipping to achieve avoided cost savings	✓
		Increase customer loyalty from company participation in sustainable certified shipping and trucking	CL	Calculate incremental profit to the company from sales spurred by the existence of more sustainable-certified shipping and trucking companies minus associated costs	

Improving Energy Management

Overview of Benefits and Monetization Methods (2/2 Cont.)

Practice	Sub-Practice	Proposed Benefits	Mediating Factors		Proposed Monetization Methods	Financial Impact Priority
Prioritize Lower Carbon Distribution Methods	Use More Sustainably-Certified Shipping and Trucking Companies	Increased sales due to delivery of product by more efficient transport <i>*Increasing speed to market without air transport should increase customer loyalty and sales</i>	CL	SM	Calculate incremental profit due to usage of more sustainable-certified shipping and trucking in on-time delivery of product based on optimized shipping routes and reduced timeframe for transport	
		Increased Societal Benefit through a reduction in GHG emissions	SE		Calculate savings in societal benefit using the reduction of GHG emissions (from shift to sustainable- certified shipping and trucking) quantified by the social cost of carbon	
		Reduce impact for transport disruptions by utilizing more efficient shared services	RM		Calculate estimated reduction in # of transport disruptions before and after implementation of more sustainable-certified shipping and trucking and multiplied by cost per disruption to achieve avoided cost savings	✓
		Reduced impact for future regulations on emissions	RM		Calculate differential of GHG emissions before and after shift in transport (to more sustainable-certified shipping and trucking) and use NPV to determine future cost savings on estimated carbon and regulatory taxes	