BMSC - Beauty Manufacturing Solutions Corp. - Climate Change 2021

C0. Introduction

C0.1

(C0.1) Give a general description and introduction to your organization.

Beauty Manufacturing Solutions Corporate is a contract manufacture of beauty care, personal care, baby care products. approximate 75% of the products produced are creams, lotions and non-alcohol based liquids, 10% alcohol based products(fragrances, cosmetic brush cleaners, etc.) and 15% press powder cosmetics. BMSC operations consist of receipt of raw materials, pre-weigh, blending of products per customer specifications, filling and packaging. BMSC is registered with the FDA to produce OTCs and are Health Canada certified. Through our commitment to going green, BMSC uses 100%

renewable energy to offset environmental impact.

The current building is approximately 320,000 square feet in total, with two stories of manufacturing and office space (approximately 240,000 square feet) and one-story of high-bay warehouse space (80,000 square feet).

Operations consist of the receipt of raw materials, pre-weigh, blending of products per customer specifications, filling, and packaging. There are 22 filling/assembly lines (including three alcohol filling lines), an alcohol compounding room, and two packaging rooms (one alcohol, one creams/lotions) on the 1st floor, four powder blending rooms (jet mill, ribbon blenders and pulverizers, product staging), and a powder press room (including two foundation assembly lines) on the 2nd floor, and a raw materials/finished goods warehouse. Ancillary operations include a maintenance shop, equipment
sanitation (sanitation operations on each production floor), three small bench top laboratories (one quality and two R&D), a reverse osmosis process for incoming water, a wastewater treatment operation (Dissolved Air Floatation – DAF, with a belowground pit), and operation of two natural gas boilers (6.3 mmBtu each), air compressors, chiller units (R-134A refrigerant), a natural gas emergency
generator, and a groundwater abstraction well for geothermal and future irrigation uses.

C0.2

(C0.2) State the start and end date of the year for which you are reporting data.

	Start date	End date	Indicate if you are providing emissions data for past reporting years	Select the number of past reporting years you will be providing emissions data for
Reporting year	July 1 2020	June 30 2021	Yes	3 years

C0.3

(C0.3) Select the countries/areas for which you will be supplying data.

United States of America

C0.4

(C0.4) Select the currency used for all financial information disclosed throughout your response.

USD

C0.5

(C0.5) Select the option that describes the reporting boundary for which climate-related impacts on your business are being reported. Note that this option should align with your chosen approach for consolidating your GHG inventory.

Operational control

C1. Governance

C1.1

(C1.1) Is there board-level oversight of climate-related issues within your organization?

Yes

C1.1a

(C1.1a) Identify the position(s) (do not include any names) of the individual(s) on the board with responsibility for climate-related issues.

Position of individual(s)	Please explain
Chief Executive Officer (CEO)	• Provides the organization with the vision and leadership to carry out its environmental mission • Environmental strategic planning and management. • Seeks out opportunities to improve environmental operations and shift organizational philosophy to integrate departments and programs to function as a strong, cohesive operation • Develops environmental policies and strategies for financial management • Guides and integrates the department heads' efforts to realign all business processes and reinforce organizational structure to ensure the effectiveness of environmental programs and initiatives by focusing energies and operations to achieve agreed upon objectives. • Encourages and facilitates the application of technology to enable the re-engineering of programs and processes to make optimal use of resources
Director on board	• Ensure the safe and effective operation of a variety of complex equipment • Develop and promote a safety culture through the Safety Manager and Safety Committee. Ensure equipment is engineered for safety. BMSC operates a Class 1 Division 1 batching operation including alcohols and fragrances that require PSM and detailed safety knowledge. • Integration with Quality, Regulatory, and Compliance requirements including, but not limited to, Equipment Validation (DQ/IQ/OQ/PQ), Process and Filling Validation Support, Change Management, Preventive Maintenance, and Environmental Monitoring. • Support Notice of Event (NOE) investigations and CAPAs for Quality issues that arise. • Create a structure and culture for ongoing team development by developing and manage training programs for the continued growth of the engineering team.
Other, please specify (EHS Manager)	• Manage environmental programs of wastewater, storm water, waste management and air pollution control to ensure compliance with laws and regulations. • Prepare and submit environmental reports for EPA, TCEQ, City and TRA to ensure compliance with permit conditions, including Annual Waste Summary (AWS), Pollution Prevention(P2) plan, wastewater semi-annual report, and storm water bench-mark reports. • Conduct workplace safety and environmental audit and external reporting for customer EHS audit and assessment, including CDP and ECOVADIS reporting, • Develop companywide environmental standards, Work Instruction, and SOP. • Manage and update STEERS, NOR, Wastewater permit, storm water pollution prevention plan (SWPPP), SPCC and Air Pollution Control PBR Permit. • Manage wastewater projects, including project scope, budget, schedule and City permitting; Evaluate wastewater treatment processes to ensure treatment process is effective and economic; Solving treatment and operational issues. • Manage RCRA Hazardous and Non-Hazardous Waste classification, profile, sorting, labelling, disposal, recycle, shipping preparation and DOT transportation. Develop waste minimization and cost reductive plan and achieve zero landfill goal. • Inspect and audit plant environmental programs for conformance to EPA, TCEQ and local applicable environmental regulations and maintain records. • Work with management teams to identify, develop, and implement continuous improvement and sustainability projects applicable to both regulatory and operational improvements. • Stay current with laws and regulations set forth by State, Local, and Federal Agencies as it relates to Environmental Health and Safety

C1.1b

(C1.1b) Provide further details on the board's oversight of climate-related issues.

Frequency with which climate-related issues are a scheduled agenda item	Governance mechanisms into which climate-related issues are integrated	Scope of board-level oversight	Please explain
Sporadic - as important matters arise	Reviewing and guiding strategy Reviewing and guiding major plans of action Reviewing and guiding risk management policies Reviewing and guiding annual budgets Reviewing and guiding business plans Setting performance objectives Monitoring implementation and performance of objectives Overseeing major capital expenditures, acquisitions and divestitures Monitoring and overseeing progress against goals and targets for addressing climate-related issues	<Not Applicable>	scheduled monthly meeting with Facility managers reviewing and guiding major plans, including solving environmental program issues of non-compliance, resource reduction, environmental goal and sustainability development, review capital plans and annual budget.
Sporadic - as important matters arise	Reviewing and guiding strategy Reviewing and guiding major plans of action Reviewing and guiding risk management policies Reviewing and guiding annual budgets Reviewing and guiding business plans Setting performance objectives Monitoring implementation and performance of objectives Overseeing major capital expenditures, acquisitions and divestitures Monitoring and overseeing progress against goals and targets for addressing climate-related issues	<Not Applicable>	sporadic meeting with EHS manager when important matter of waste reduction, no-compliance discharging, budget control of environmental projects, energy reduction and waste usage.

C1.2

(C1.2) Provide the highest management-level position(s) or committee(s) with responsibility for climate-related issues.

Name of the position(s) and/or committee(s)	Reporting line	Responsibility	Coverage of responsibility	Frequency of reporting to the board on climate-related issues
Chief Executive Officer (CEO)	<Not Applicable>	Both assessing and managing climate-related risks and opportunities	<Not Applicable>	More frequently than quarterly
Environmental, Health, and Safety manager	<Not Applicable>	Both assessing and managing climate-related risks and opportunities	<Not Applicable>	More frequently than quarterly

C1.2a

(C1.2a) Describe where in the organizational structure this/these position(s) and/or committees lie, what their associated responsibilities are, and how climate-related issues are monitored (do not include the names of individuals).

EHS manager is in plant management team.

The EHS Manager conducts a variety of environmental and safety activates, reporting, and data analysis/entry functions in support of regulatory compliance assignments. Assists in the management of site-specific regulatory permit programs and communicates with regulatory agencies. Helps in managing safety and environmental activities for plant level associates.

· Support Plant Management and the company's EHS Department with all aspects of regulatory compliance and program management

· Manage environmental and safety projects with internal staff and external contractors/consultants at individual sites including review and interpretation of compliance data

· Manage permit activities associated with but not exclusive to USEPA, OSHA, Local Air Pollution Control Districts, Regional and State Water Resources Control Boards, County Environmental Health Agencies, FDA, and DOT

· Work directly with plant personnel to manage permits including, but not limited to: Waste Discharge Requirements, Supply Water Permits, Title V and Non-Title V Air Permits, Hazardous Material and Waste Facility Registrations

· Ensure timely completion of activities and tasks assigned through the company EHS Management System

· Assist in managing and maintaining the current and accurate condition of regulatory documentation

· Assist in the preparation and submittal of regulatory reports

· Assist site management in the application and management of wastewater land application areas

· Work with and direct contracted water system operators to ensure permit compliance is maintained

· Work with management teams to identify, develop, and implement continuous improvement projects applicable to both regulatory and operational improvements as well as document control

· Stay current with laws and regulations set forth by State, Local, and Federal Agencies as it relates to Environmental Health and Safety

· Assist with safety improvement and initiatives

C1.3

(C1.3) Do you provide incentives for the management of climate-related issues, including the attainment of targets?

	Provide incentives for the management of climate-related issues	Comment
Row 1	Yes	aligned with performance

C1.3a

(C1.3a) Provide further details on the incentives provided for the management of climate-related issues (do not include the names of individuals).

Entitled to incentive	Type of incentive	Activity inventivized	Comment
All employees	Monetary reward	Efficiency project	All salaried employees receive monetary reward from cost reduction of projects, utility and energy usage.

C2. Risks and opportunities

C2.1

(C2.1) Does your organization have a process for identifying, assessing, and responding to climate-related risks and opportunities?
Yes

C2.1a

(C2.1a) How does your organization define short-, medium- and long-term time horizons?

	From (years)	To (years)	Comment
Short-term	0	1	Plant management team conducts plant wide monthly inspection, including climate related dust control, air pollution control, waste management, wastewater treatment plant operation and environmental emergency plans. short term project of wastewater overflow pipe relocation has been completed within 3 month. Pre-weight expansion along with adding dust collections has completed. non-hazardous waste recycle has increased 50%. All identified risks will be evaluated and taken into account. plant conducts monthly manager meeting to monitor ongoing projects. New projects will be evaluated and created annually.
Medium-term	1	5	Medium goal of environmental waste management is achieving zero waste to landfill within 3 years, adding Solar energy to emergency generator as backup of powder outage to minimize production loss, bucket reuse to minimize waste, and printing directly into carton to limit use of labels.
Long-term	5	10	Our Business is growing very fast. Plant planned expansion in 3 years which projected Wastewater treatment plant, waste storage area, and dust control expansion. Along with production increase, plant needs to add further pollution control device.

C2.1b

(C2.1b) How does your organization define substantive financial or strategic impact on your business?

Energy use is the major source of greenhouse gas emissions for our company. The contribution of direct and indirect emissions to the GHG will shape our risk management strategies. Our climate related risk management strategies are:

- reduce or mitigates cost related risks
- cost effective strategy for reducing GHG.
- Move to lower GHG fuels.
- Reduces waste to landfill

C2.2

(C2.2) Describe your process(es) for identifying, assessing and responding to climate-related risks and opportunities.

Value chain stage(s) covered
Direct operations

Risk management process
Integrated into multi-disciplinary company-wide risk management process

Frequency of assessment
Annually

Time horizon(s) covered
Long-term

Description of process
Energy-related risk is managed through purchasing 100% wind no-emit energy source for company wide electricity to reduce indirect emissions to the GHG.

Value chain stage(s) covered
Direct operations

Risk management process
Integrated into multi-disciplinary company-wide risk management process

Frequency of assessment
Annually

Time horizon(s) covered
Long-term

Description of process
We manage energy-related risks. Scope 1 energy used in our company is nature gas which is clean energy with low GHG direct emission and lower regulatory risks.

Value chain stage(s) covered
Direct operations

Risk management process
Integrated into multi-disciplinary company-wide risk management process

Frequency of assessment
Annually

Time horizon(s) covered
Long-term

Description of process
We initiated solid waste recycling programs of waste energy recovery and waste to compost, instead of waste to landfill.

C2.2a

(C2.2a) Which risk types are considered in your organization's climate-related risk assessments?

	Relevance & inclusion	Please explain
Current regulation	Relevant, always included	Risk assessments include the review of current regulations, permits , compliance report and internal sample test reports to ensure all environmental programs are in compliance. We use natural gas as lower GHG fuels which demonstrates lower regulatory risks for on-site use.
Emerging regulation	Relevant, sometimes included	Emerging regulations are difficult to assess consistently as they change regularly and drastically. We review the upcoming regulations that we believe will impact the project, but usually do not review unless there is certainty on the implementation. Our electricity is 100% no-emit wind energy.
Technology	Relevant, sometimes included	Control technologies are evaluated for large scale projects that could impact the overall business, but not necessarily on individual projects. Technologies such Waste Systems would review the specific technologies involved in improve the processes. we initiated waste to energy and waste to compost programs in 2019.
Legal	Relevant, always included	Along with company's business increase domestically and internationally, there are more regulations on productions. Legal implications must be reviewed in order to stay compliant.
Market	Relevant, always included	As market dynamics shift, it's important to evaluate the way the market will evaluate the change. This must be part of the decision making process to ensure good decisions for the long term business. The assessment of how the market will interpret the change. we purchase 100% wind generated electricity green energy.
Reputation	Relevant, always included	As a family owned business, the reputation is critical. It is both part of our mission statement and part of how we review each product.
Acute physical	Relevant, always included	Immediate corrective action will be taken when acute physical issues are identified. Environmental Safety assessments are part of each risk assessment.
Chronic physical	Relevant, always included	identified chronic physical will be in our short term projects. Environmental Safety assessments are part of each risk assessment.

C2.3

(C2.3) Have you identified any inherent climate-related risks with the potential to have a substantive financial or strategic impact on your business?

Yes

C2.3a

(C2.3a) Provide details of risks identified with the potential to have a substantive financial or strategic impact on your business.

Identifier

Risk 1

Where in the value chain does the risk driver occur?

Direct operations

Risk type & Primary climate-related risk driver

Technology	Transitioning to lower emissions technology

Primary potential financial impact

Increased direct costs

Climate risk type mapped to traditional financial services industry risk classification

<Not Applicable>

Company-specific description

wastewater sludge and mineral oil waste are sent to compost instead of landfill.

Time horizon

Long-term

Likelihood

Likely

Magnitude of impact

Medium

Are you able to provide a potential financial impact figure?

Yes, a single figure estimate

Potential financial impact figure (currency)

Potential financial impact figure – minimum (currency)

<Not Applicable>

Potential financial impact figure – maximum (currency)

<Not Applicable>

Explanation of financial impact figure

cost of Compost is $23,600 cost of Landfill is: $66,000 Saving: $42,400

Cost of response to risk

Description of response and explanation of cost calculation

Wastewater Sludge and Mineral Oil waste were sent to landfill before. we initiated recycle of compost program in 2019. Total Waste sent to compost is 50,702 Gal. cost is $25,327.36. is the waste is sent to landfill, cost would be $66,048.53. Therefore saving of compost is: $40,721.17. Waste to Compost If waste to Landfill Volume(Gal) Cost($) Cost($) Total 50702 25327.36 66048.53 Saving 66048.53 - 25327.36 = $40721.17

Comment
this is a long-term program we are implementing.

Identifier
Risk 2

Where in the value chain does the risk driver occur?
Upstream

Risk type & Primary climate-related risk driver

Technology	Substitution of existing products and services with lower emissions options

Primary potential financial impact
Increased direct costs

Climate risk type mapped to traditional financial services industry risk classification
<Not Applicable>

Company-specific description
Product info will be printed directly to carton instead of labels. This improvement will limit use of labels .

Time horizon
Medium-term

Likelihood
Virtually certain

Magnitude of impact
Medium-high

Are you able to provide a potential financial impact figure?
Yes, an estimated range

Potential financial impact figure (currency)
<Not Applicable>

Potential financial impact figure – minimum (currency)

Potential financial impact figure – maximum (currency)

Explanation of financial impact figure
equipment purchase + investigation cost + Labor cost+ trial cost+ management cost + waste disposal cost

Cost of response to risk

Description of response and explanation of cost calculation
engineering management team takes the responsibility, supported by operations management, waste is managed by EHS Manager, all project is directed by CEO,

Comment
This project will reduce total usage of labels.

Identifier
Risk 3

Where in the value chain does the risk driver occur?
Direct operations

Risk type & Primary climate-related risk driver

Technology	Substitution of existing products and services with lower emissions options

Primary potential financial impact
Increased direct costs

Climate risk type mapped to traditional financial services industry risk classification
<Not Applicable>

Company-specific description
We initiated waste to energy recovery program in 2019. 90% non-hazardous waste of raw material, bulk and finished products are sent to energy recovery, instead of landfill.

Time horizon
Long-term

Likelihood
Very likely

Magnitude of impact
Medium-high

Are you able to provide a potential financial impact figure?
Yes, a single figure estimate

Potential financial impact figure (currency)

Potential financial impact figure – minimum (currency)

<Not Applicable>

Potential financial impact figure – maximum (currency)
<Not Applicable>

Explanation of financial impact figure
All waste of raw material, bulk and finished goods were sent to landfill before. This is costly and not environmental friendly. Our goal of EHS is zero landfill in 2025. Now we have made significant progress.

Cost of response to risk

Description of response and explanation of cost calculation
Total Waste sent to Energy recovery is 305,43 Ton. Cost is $93,412.06. if the same amount of waste sent to landfill, cost of landfill disposal is $224,741.04. Therefore saving is : $131,328.98. Energy Recovery If Landfill Date Weight Cost($) cost Total 305.43 93,412.06 224,741.04 Saving 131,328.98

Comment
This is significant saving.

C2.4

(C2.4) Have you identified any climate-related opportunities with the potential to have a substantive financial or strategic impact on your business?
Yes

C2.4a

(C2.4a) Provide details of opportunities identified with the potential to have a substantive financial or strategic impact on your business.

Identifier
Opp1

Where in the value chain does the opportunity occur?
Direct operations

Opportunity type
Energy source

Primary climate-related opportunity driver
Use of new technologies

Primary potential financial impact
Reduced indirect (operating) costs

Company-specific description
Geo Thermal(Well Water) System is used for heating in winter and cooling in summer at receiving and shipping warehouse.

Time horizon
Unknown

Likelihood
Likely

Magnitude of impact
Medium

Are you able to provide a potential financial impact figure?
Yes, an estimated range

Potential financial impact figure (currency)
<Not Applicable>

Potential financial impact figure – minimum (currency)

Potential financial impact figure – maximum (currency)

Explanation of financial impact figure
Total Electricity consumption in 2018 is $204,383. total building is 320,000 ft^2. warehouse is 80,000 ft^2. Warehouse uses Geo-thermal system. electricity saving: minimum = 204,383/10 is approximate $20,000; Maximum = 204.383/4 is approximate $50,000 Reduced direct utility cost.

Cost to realize opportunity

Strategy to realize opportunity and explanation of cost calculation
Plant considered environmentally friendly during new plant design and construction. Electrical renewable energy reduced GHG emission. Geothermal system reduced electricity cost greatly.

Comment
Geo Thermal system significantly reduced energy cost and eliminated GHG emission.

Identifier
Opp2

Where in the value chain does the opportunity occur?
Direct operations

Opportunity type

Resource efficiency

Primary climate-related opportunity driver
Use of more efficient modes of transport

Primary potential financial impact
Increased revenues resulting from increased demand for products and services

Company-specific description
As waste to energy recovery and waste to compost are initiated, waste to landfill decreased significantly. Consolidating different streams of waste reduced transportation cost significantly.

Time horizon
Medium-term

Likelihood
Likely

Magnitude of impact
Medium

Are you able to provide a potential financial impact figure?
Yes, an estimated range

Potential financial impact figure (currency)
<Not Applicable>

Potential financial impact figure – minimum (currency)

Potential financial impact figure – maximum (currency)

Explanation of financial impact figure
This is direct cost reduction strategy through waste management Cost of transportation is $ 1,200/trip to 2,000/trip. Estimated total consolidated trips is approximate 10. so total cost is estimated $12,000 to $20,000/year.

Cost to realize opportunity

Strategy to realize opportunity and explanation of cost calculation
Strategies of reducing or mitigates cost. Cost of transportation is $ 1,200/trip to 2,000/trip. Estimated total consolidated trips is approximate 10. so total cost is estimated $12,000 to $20,000/year.

Comment
Previously, waste shipment to landfill, energy recovery and compost were separated. Now we are able to consolidated ship all of the waste to same truck by adding stops. Stop rate is only $50 /stop. Cost of transportation is reduced significantly. Waste Storage Unit is managed efficiently.

Identifier
Opp3

Where in the value chain does the opportunity occur?
Direct operations

Opportunity type
Resource efficiency

Primary climate-related opportunity driver
Reduced water usage and consumption

Primary potential financial impact
Reduced direct costs

Company-specific description
Currently, some of our product info is printed on labels, and then stick on cartons. We are processing a project of printing info directly on cartons to limit the labels.

Time horizon
Medium-term

Likelihood
Likely

Magnitude of impact
Medium

Are you able to provide a potential financial impact figure?
Yes, an estimated range

Potential financial impact figure (currency)
<Not Applicable>

Potential financial impact figure – minimum (currency)

Potential financial impact figure – maximum (currency)

Explanation of financial impact figure
the estimation is based on current cost of labels.

Cost to realize opportunity

Strategy to realize opportunity and explanation of cost calculation
The printing of info to labels and then to carton is costly of Labor, equipment, and waste disposal. Optimize production and eliminating unnecessary processes reduced Cost of equipment, cost of material and cost of Labor.

Comment

cost of new technology reference.

C3. Business Strategy

C3.1

(C3.1) Have climate-related risks and opportunities influenced your organization's strategy and/or financial planning?

Yes

C3.1b

(C3.1b) Does your organization intend to publish a low-carbon transition plan in the next two years?

	Intention to publish a low-carbon transition plan	Intention to include the transition plan as a scheduled resolution item at Annual General Meetings (AGMs)	Comment
Row 1	No, we do not intend to publish a low-carbon transition plan in the next two years	<Not Applicable>	

C3.2

(C3.2) Does your organization use climate-related scenario analysis to inform its strategy?

Yes, quantitative

C3.2a

(C3.2a) Provide details of your organization's use of climate-related scenario analysis.

Climate-related scenarios and models applied	Details
Other, please specify (US EPA Energy and Climate Risk Management)	BMSC committed to use clean and renewable energy to eliminate or reduce green house gas emission. Energy usage is the major source of greenhouse gas emission for our company. The contribution of direct and indirect emission to the GHG footprint will shape risk management strategies. Our 97% scope 1 emission comes from nature gas. Scope 2 emission is zero from 100% renewable wind energy.
Other, please specify (US EPA Energy and Climate Risk Management)	Scope 3 emission also considered in our risk management strategies through waste and transportation reduction. We have created a 5 year action plan to achieve zero landfill. We will implement the action plan, evaluate progress and recognize the achievements of the plan every year.

C3.3

(C3.3) Describe where and how climate-related risks and opportunities have influenced your strategy.

	Have climate-related risks and opportunities influenced your strategy in this area?	Description of influence
Products and services	Yes	Provide products with low risk of impact to the climate ensure the sustainability of the business. It drives decisions in the product type and how the product evolves over time.
Supply chain and/or value chain	Yes	It has driven us to find different suppliers that reduce the impact of climate change
Investment in R&D	Yes	Sustainably sourced material usage is a key area of R&D especially in new product development. New Materials that have lower climate risks are sourced and used in new product development.
Operations	Yes	This has driven investments into infrastructure updates that reduce impact such as closed loop heating systems and geothermal cooling.

C3.4

(C3.4) Describe where and how climate-related risks and opportunities have influenced your financial planning.

	Financial planning elements that have been influenced	Description of influence
Row 1	Revenues Direct costs Capital expenditures	Capital Expenditures: Investment into equipment that lowers the environmental impact is evaluated each year. These investments usually pay-out financially a well Direct Costs: Sourcing materials from sustainable sources typically has a higher cost, so it has driving up the material costs over time. Revenues: Proper planning and evaluation as typically added positive benefit to the bottom line. For example, waste reduction drives increases in profitability.

C3.4a

(C3.4a) Provide any additional information on how climate-related risks and opportunities have influenced your strategy and financial planning (optional).

Sales and customer strategies are also influenced by climate impact opportunities. As consumers and customers continue to push for more sustainable practices, those companies such as BMSC that invest into these technologies will continue to drive better and faster growth. BMSC uses these benchmarks when evaluating which customers we want to add as we know they will value the investments we are making.

C4. Targets and performance

C4.1

(C4.1) Did you have an emissions target that was active in the reporting year?
Intensity target

C4.1b

(C4.1b) Provide details of your emissions intensity target(s) and progress made against those target(s).

Target reference number
Int 1

Year target was set
2019

Target coverage
Company-wide

Scope(s) (or Scope 3 category)
Scope 1+2 (market-based)

Intensity metric
Other, please specify (Grams of CO2e per product unit)

Base year
2019

Intensity figure in base year (metric tons CO2e per unit of activity)
21.12

% of total base year emissions in selected Scope(s) (or Scope 3 category) covered by this intensity figure
100

Target year
2024

Targeted reduction from base year (%)
20

Intensity figure in target year (metric tons CO2e per unit of activity) [auto-calculated]
16.896

% change anticipated in absolute Scope 1+2 emissions
5

% change anticipated in absolute Scope 3 emissions
20

Intensity figure in reporting year (metric tons CO2e per unit of activity)
15.69

% of target achieved [auto-calculated]
128.551136363636

Target status in reporting year
Achieved

Is this a science-based target?
Yes, we consider this a science-based target, but it has not been approved by the Science Based Targets initiative

Target ambition
1.5°C aligned

Please explain (including target coverage)
our target of 20% reduction in 2024 was set in 2019 as Grams of CO2e of total Scop 1 &2 per unit of product. Total units product in 2019 is 45,241,113. Total units product in 2021 is 49,334,713 CO2e of Scope 1 & 2 in 2019 is 955,3400,00 Grams. CO2e of Scope 1 & 2 in 2021 is 774,300,000 Grams. Grams of CO2e/Unit product in 2019 is 21.12. Grams of CO2e/Unit product in 2021 is 15.69. % decrease is: 25.7%

C4.2

(C4.2) Did you have any other climate-related targets that were active in the reporting year?
Target(s) to increase low-carbon energy consumption or production
Other climate-related target(s)

C4.2a

(C4.2a) Provide details of your target(s) to increase low-carbon energy consumption or production.

Target reference number
Low 1

Year target was set
2019

Target coverage
Company-wide

Target type: absolute or intensity
Absolute

Target type: energy carrier
Electricity

Target type: activity
Consumption

Target type: energy source
Renewable energy source(s) only

Metric (target numerator if reporting an intensity target)
kWh

Target denominator (intensity targets only)
<Not Applicable>

Base year
2019

Figure or percentage in base year
4730540.85

Target year
2024

Figure or percentage in target year
100

Figure or percentage in reporting year
100

% of target achieved [auto-calculated]
100

Target status in reporting year
Achieved

Is this target part of an emissions target?
Yes, this is target part of an Scope 2 emission. Our goal is continuously purchasing 100% Renewable energy. Our scope 2 electricity purchased is 100% Wind energy. We commit to continuing purchasing 100% renewable energy. 1. purchasing 100% renewable energy. 2. electricity consumption/ Product Unit being less or equal than 0.10 of target setting in 2019.

Is this target part of an overarching initiative?
Science-based targets initiative

Please explain (including target coverage)
Electricity consumption In 2019 is 4,730,540.85KWH, 100% renewable wind Energy. Units produced is 45241113, KWH/Unit is 0.10 In 2020 is 5,082,734 KWH, 100% renewable wind Energy. Unit Produced is 4,4895,405, KWH/Unit is 0.11 In 2021 is 5,163,042.40, 100% renewable wind Energy. Units produced is 49,334,713, KWH/Unit is 0.10 Target wasn't achieve in 2020. Target are achieved in 2021.

C4.2b

(C4.2b) Provide details of any other climate-related targets, including methane reduction targets.

Target reference number
Oth 1

Year target was set
2019

Target coverage
Company-wide

Target type: absolute or intensity
Absolute

Target type: category & Metric (target numerator if reporting an intensity target)

Waste management	Percentage of sites operating at zero-waste to landfill

Target denominator (intensity targets only)
<Not Applicable>

Base year
2020

Figure or percentage in base year
100

Target year
2025

Figure or percentage in target year
0

Figure or percentage in reporting year
20.13

% of target achieved [auto-calculated]
79.87

Target status in reporting year
Underway

Is this target part of an emissions target?
Yes. Waste send to recycle instead of landfill will reduce GHG emission.

Is this target part of an overarching initiative?
Science Based Targets initiative

Please explain (including target coverage)
In 2020 Our total waste generated is 1187 Ton. total waste to landfill is 387 Ton, % of Landfill is 32.6%, Total to Recycle is 68.4% GHG Emission is 298 Ton In 2021 we increased waste to energy recovery, waste to compost and water to fuel blending Total waste generated is 2929 Ton Total waste to landfill is 590 Ton % of landfill is 21.25%. Total to Recycle is 78.75% GHG Emission is 542Ton Our goal is Zero Landfill in 2025. Goal achieved is 34.8% Estimated GHG reduction is 370 Ton

C4.3

(C4.3) Did you have emissions reduction initiatives that were active within the reporting year? Note that this can include those in the planning and/or implementation phases.
Yes

C4.3a

(C4.3a) Identify the total number of initiatives at each stage of development, and for those in the implementation stages, the estimated CO2e savings.

	Number of initiatives	Total estimated annual CO2e savings in metric tonnes CO2e (only for rows marked *)
Under investigation	1	86
To be implemented*	2	44
Implementation commenced*	1	86
Implemented*	2	286
Not to be implemented	1	15.8

C4.3b

(C4.3b) Provide details on the initiatives implemented in the reporting year in the table below.

Initiative category & Initiative type

Low-carbon energy consumption	Wind

Estimated annual CO2e savings (metric tonnes CO2e)
86

Scope(s)
Scope 2 (market-based)

Voluntary/Mandatory
Voluntary

Annual monetary savings (unit currency – as specified in C0.4)
0

Investment required (unit currency – as specified in C0.4)
0

Payback period
No payback

Estimated lifetime of the initiative
Ongoing

Comment
Our Electricity purchased is 100% wind energy. Estimated saving comparing to local based EF 0.1107 lb/KWH Electricity consumption is 5,163,042.40KWH CO2 Saving is 86 Ton

Initiative category & Initiative type

Energy efficiency in buildings	Other, please specify (Geothermal System)

Estimated annual CO2e savings (metric tonnes CO2e)
26

Scope(s)
Scope 2 (market-based)

Voluntary/Mandatory
Voluntary

Annual monetary savings (unit currency – as specified in C0.4)
7000

Investment required (unit currency – as specified in C0.4)
1500

Payback period
<1 year

Estimated lifetime of the initiative
3-5 years

Comment
We use Geothermal system to cool warehouse in summer. the estimated GHG saving is 26 Ton comparing with location based electricity.

C4.3c

(C4.3c) What methods do you use to drive investment in emissions reduction activities?

Method	Comment
Compliance with regulatory requirements/standards	We use clean energy of natural gas instead of fossil fuel energy company wide. Emission of Natural gas is low and has lower regulatory risks.
Dedicated budget for energy efficiency	Our commitment is cost effective for reducing GHG. Our electricity purchased is 100% renewable wind energy.
Dedicated budget for low-carbon product R&D	GeoThermal system uses well water to either cool or heat warehouse.
Internal incentives/recognition programs	We set zero landfill in 2025 as waste management goal to incentive development of waste to recycling programs, instead of waste to landfill.
Dedicated budget for other emissions reduction activities	We consolidate waste pick up of waste to energy recovery, waste to compost and waste to landfill to one vendor which reduced transportation cost significantly and reduce GHG as well.
Financial optimization calculations	We plan to replace existing lights to energy saving LED lights to reduce cost of electricity.

C4.5

(C4.5) Do you classify any of your existing goods and/or services as low-carbon products or do they enable a third party to avoid GHG emissions?
Yes

C4.5a

(C4.5a) Provide details of your products and/or services that you classify as low-carbon products or that enable a third party to avoid GHG emissions.

Level of aggregation
Company-wide

Description of product/Group of products
we use 100% reusable wind product of electricity company wide.

Are these low-carbon product(s) or do they enable avoided emissions?
Low-carbon product and avoided emissions

Taxonomy, project or methodology used to classify product(s) as low-carbon or to calculate avoided emissions
Low-Carbon Investment (LCI) Registry Taxonomy

% revenue from low carbon product(s) in the reporting year
5

% of total portfolio value
<Not Applicable>

Asset classes/ product types
<Not Applicable>

Comment
Electricity we purchased is 100% wind energy which helps our supplier and customers to avoid GHG emission.

C5. Emissions methodology

C5.1

(C5.1) Provide your base year and base year emissions (Scopes 1 and 2).

Scope 1

Base year start
July 1 2018

Base year end
June 30 2019

Base year emissions (metric tons CO2e)
955

Comment
Scope 1 - Natural Gas CO2 Emission Usage(CCF/yr) 174299 EF(kg/SCF) 0.0544 GHG Emission(Grams 948,190,000) GHG Emission(T) 948 Total Unit produced in 2019: 17,429,900 GHG Emission/Product Unit(Grams/Unit) 21.12 Scope 1 - Diesel Fuel in 2019 EF(kg/Gal) 10.21 Diesel Consumption(Gal) 701 GHG Emission(Kg) 7157.21 CO2e(Grams): 7,157,210 GHG Emission(T/yr) 7.15721 Total CO2e of Scope 1 in 2019 is 955,340,000 Gram = 955 Ton

Scope 2 (location-based)

Base year start
July 1 2018

Base year end
June 30 2019

Base year emissions (metric tons CO2e)
0

Comment
Our electricity is purchased from market. Scope 2 is not location based.

Scope 2 (market-based)

Base year start
July 1 2018

Base year end
June 30 2019

Base year emissions (metric tons CO2e)
0

Comment
Scope 2- Electricity Emission CO2 Emission is 0 because we use 100% wind generated electricity. Renewable Energy Certificate provided by electricity provider indicates the electricity is generated 100% wind.

C5.2

(C5.2) Select the name of the standard, protocol, or methodology you have used to collect activity data and calculate emissions.

US EPA Center for Corporate Climate Leadership: Indirect Emissions From Purchased Electricity
US EPA Center for Corporate Climate Leadership: Direct Emissions from Stationary Combustion Sources
US EPA Center for Corporate Climate Leadership: Direct Emissions from Mobile Combustion Sources
US EPA Mandatory Greenhouse Gas Reporting Rule
US EPA Emissions & Generation Resource Integrated Database (eGRID)

C6. Emissions data

C6.1

(C6.1) What were your organization's gross global Scope 1 emissions in metric tons CO2e?

Reporting year

Gross global Scope 1 emissions (metric tons CO2e)
774

Start date
July 1 2020

End date
June 30 2021

Comment
Scope 1 emission comes from Natural Gas and diesel used by company owned truck Natural Gas usage 140177 CCF. EF CO2 0.05444 KG CO2/SCF CO2 Emission: 763 Ton Diesel Usage 1094.29 Gal EF 10.21 kg CO2/Gal CO2 Emission: 11Ton Total CO2 Emission: 774 Ton

Past year 1

Gross global Scope 1 emissions (metric tons CO2e)
850

Start date
July 1 2019

End date
June 30 2020

Comment
Scope 1 emission comes from Natural Gas and diesel used by company owned truck Natural Gas usage 149,064 CCF. EF CO2 0.05444 KG CO2/SCF CO2 Emission: 811 Ton Diesel Usage 3749 Gal EF 10.21 kg CO2/Gal CO2 Emission: 38Ton Total CO2 Emission: 850 Ton

Past year 2

Gross global Scope 1 emissions (metric tons CO2e)
955

Start date
July 1 2018

End date
June 30 2019

Comment
Scope 1 emission comes from Natural Gas and diesel used by company owned truck Natural Gas usage 174,299 CCF. EF CO2 0.05444 KG CO2/SCF CO2 Emission: 948 Ton Diesel Usage 701 Gal EF 10.21 kg CO2/Gal CO2 Emission: 7.16Ton Total CO2 Emission: 955 Ton

Past year 3

Gross global Scope 1 emissions (metric tons CO2e)
724

Start date
July 1 2017

End date
June 30 2018

Comment
Scope 1 emission comes from Natural Gas and diesel used by company owned truck Natural Gas usage 133,300 CCF. EF CO2 53.06KG CO2/mmBTU CO2 Emission: Ton Diesel Usage : 0 Gal EF 10.21 kg CO2/Gal CO2 Emission: 0Ton Total CO2 Emission: 724 Ton

C6.2

(C6.2) Describe your organization's approach to reporting Scope 2 emissions.

Row 1

Scope 2, location-based
We are not reporting a Scope 2, location-based figure

Scope 2, market-based
We are reporting a Scope 2, market-based figure

Comment
Electricity is purchased 100% wind renewable energy which is no-emit Renewable Energy source. Emission of CO2e is 0.

C6.3

(C6.3) What were your organization's gross global Scope 2 emissions in metric tons CO2e?

Reporting year

Scope 2, location-based
<Not Applicable>

Scope 2, market-based (if applicable)
0

Start date
July 1 2020

End date
June 30 2021

Comment
Electricity is purchased 100% wind renewable energy which is no-emit Renewable Energy source. Emission of CO2e is 0.

Past year 1

Scope 2, location-based
<Not Applicable>

Scope 2, market-based (if applicable)
0

Start date
July 1 2019

End date
June 30 2020

Comment
Electricity is purchased 100% wind renewable energy which is no-emit Renewable Energy source. Emission of CO2e is 0.

Past year 2

Scope 2, location-based
<Not Applicable>

Scope 2, market-based (if applicable)
0

Start date
July 1 2018

End date
June 30 2019

Comment
Electricity is purchased 100% wind renewable energy which is no-emit Renewable Energy source. Emission of CO2e is 0.

Past year 3

Scope 2, location-based
<Not Applicable>

Scope 2, market-based (if applicable)
0

Start date
July 1 2017

End date
June 30 2018

Comment
Electricity is purchased 100% wind renewable energy which is no-emit Renewable Energy source. Emission of CO2e is 0.

C6.4

(C6.4) Are there any sources (e.g. facilities, specific GHGs, activities, geographies, etc.) of Scope 1 and Scope 2 emissions that are within your selected reporting boundary which are not included in your disclosure?

Yes

C6.4a

(C6.4a) Provide details of the sources of Scope 1 and Scope 2 emissions that are within your selected reporting boundary which are not included in your disclosure.

Source

Refrigeration and air conditioning leakage are not reported because the GHG emission is less than 5% of total emission.

Relevance of Scope 1 emissions from this source

Emissions are relevant but not yet calculated

Relevance of location-based Scope 2 emissions from this source

No emissions from this source

Relevance of market-based Scope 2 emissions from this source (if applicable)

No emissions excluded

Explain why this source is excluded

We purchase 100% renewable electricity company-wide.

C6.5

(C6.5) Account for your organization's gross global Scope 3 emissions, disclosing and explaining any exclusions.

Purchased goods and services

Evaluation status

Relevant, calculated

Metric tonnes CO2e

715

Emissions calculation methodology

Purchased Goods(Use Ton-MIle method) via US EPA sgec_tool; Heavy duty truck Ton-mile 3,052,052.80 EF KG/ton-mile 0.207, CO2 emission 631 Ton Waterborne Ton-Mile 262959.77 EF KG/Ton-mile 0.04, CO2 emission 10.5 Ton aircraft Ton-Mile 57524.38 EF KG/Ton-mile 1.265 , CO2 Emission 72.8 Ton Total CO2 Emission is 715Ton

Percentage of emissions calculated using data obtained from suppliers or value chain partners

0

Please explain

Data is obtained from our supply chain.

Capital goods

Evaluation status

Relevant, not yet calculated

Metric tonnes CO2e

<Not Applicable>

Emissions calculation methodology

<Not Applicable>

Percentage of emissions calculated using data obtained from suppliers or value chain partners

<Not Applicable>

Please explain

As a small business, it is difficult to calculate emission from capital goods. According to US EPA Guide to Greenhouse Gas Management for Small Business & Low Emitters, it is not required for small business to calculate emission from capital goods.

Fuel-and-energy-related activities (not included in Scope 1 or 2)

Evaluation status

Not relevant, explanation provided

Metric tonnes CO2e

<Not Applicable>

Emissions calculation methodology

<Not Applicable>

Percentage of emissions calculated using data obtained from suppliers or value chain partners

<Not Applicable>

Please explain

There are no Fuel-energy -related activities not included in Scope 1 or 2.

Upstream transportation and distribution

Evaluation status
Relevant, calculated

Metric tonnes CO2e
715

Emissions calculation methodology
Calculation method used is On-Road Vehicle Product Transport by Vehicle-Miles from USEPA sgec_tool.

Percentage of emissions calculated using data obtained from suppliers or value chain partners
0

Please explain
Data are obtained from our supply chain. Purchased Goods Ton-mile Heavy duty truck is 3,052,053, Waterborne is 262960 Aircraft is 57524 EF KG/ton-mile Heavy duty truck is 0.207 Waterborne is 0.04 Aircraft is 1.265 CO2e emission total is 715Ton

Waste generated in operations

Evaluation status
Relevant, calculated

Metric tonnes CO2e
542

Emissions calculation methodology
USEPA AP-42 Total Weight X EF = CO2e Emission(Ton)

Percentage of emissions calculated using data obtained from suppliers or value chain partners
90

Please explain
Emission from Waste to Landfill is 590 Ton X 0.63 Ton CO2e/Ton = 371 Ton Emission from Waste to energy Recovery is 588 Ton x 0.05 Ton CO2e/Ton = 29.4 Ton Emission from Waste to Compost is 1002 Ton x 0.09 Ton CO2e/Ton =90.18 Ton Emission From Mixed Recyclable is 343 Ton x 0.09 Ton CO2e/Ton = 30.84 Ton Emission From Recycle is 407 Ton x 0.05 Ton CO2e/Ton = 20.35Ton Total Emission CO2e is 542 Ton

Business travel

Evaluation status
Relevant, calculated

Metric tonnes CO2e
1.1

Emissions calculation methodology
USEPA Center for Corporate Climate Leadership : total mile X CO2e EF = Ton

Percentage of emissions calculated using data obtained from suppliers or value chain partners
0

Please explain
Total Travel by air is 6800 mile EF is 0.229KG/mile CO2e is 1.12 Ton

Employee commuting

Evaluation status
Relevant, calculated

Metric tonnes CO2e
1095

Emissions calculation methodology
USEPA Center for Corporate Climate Leadership : total mile X CO2e EF = Ton

Percentage of emissions calculated using data obtained from suppliers or value chain partners
0

Please explain
Total Distance(mile) 4669800 Total Employee 543 EF(kg/vehicle/ Mile) 0.335 CO2 Emission(T/yr) 1564 Commute Emission(T/yr) 1095

Upstream leased assets

Evaluation status
Relevant, not yet calculated

Metric tonnes CO2e
<Not Applicable>

Emissions calculation methodology
<Not Applicable>

Percentage of emissions calculated using data obtained from suppliers or value chain partners
<Not Applicable>

Please explain
Emission is less than 5% of total. so it is not calculated.

Downstream transportation and distribution

Evaluation status
Relevant, calculated

Metric tonnes CO2e
0.16

Emissions calculation methodology
Calculation method used is On-Road Vehicle Product Transport by Vehicle-Miles from USEPA sgec_tool.

Percentage of emissions calculated using data obtained from suppliers or value chain partners
0

Please explain
Ton-mile 752.7368182 EF KG/ton-mile 0.207 CO2 KG 156 Ton 0.16

Processing of sold products

Evaluation status
Relevant, not yet calculated

Metric tonnes CO2e
<Not Applicable>

Emissions calculation methodology
<Not Applicable>

Percentage of emissions calculated using data obtained from suppliers or value chain partners
<Not Applicable>

Please explain
Emission is less than 5% of total. so it is not calculated.

Use of sold products

Evaluation status
Relevant, not yet calculated

Metric tonnes CO2e
<Not Applicable>

Emissions calculation methodology
<Not Applicable>

Percentage of emissions calculated using data obtained from suppliers or value chain partners
<Not Applicable>

Please explain
Emission is less than 5% of total. so it is not calculated.

End of life treatment of sold products

Evaluation status
Not relevant, explanation provided

Metric tonnes CO2e
<Not Applicable>

Emissions calculation methodology
<Not Applicable>

Percentage of emissions calculated using data obtained from suppliers or value chain partners
<Not Applicable>

Please explain
we do not treat sold products.

Downstream leased assets

Evaluation status
Relevant, not yet calculated

Metric tonnes CO2e
<Not Applicable>

Emissions calculation methodology
<Not Applicable>

Percentage of emissions calculated using data obtained from suppliers or value chain partners
<Not Applicable>

Please explain
Emission is less than 5% of total. so it is not calculated.

Franchises

Evaluation status
Relevant, not yet calculated

Metric tonnes CO2e
<Not Applicable>

Emissions calculation methodology
<Not Applicable>

Percentage of emissions calculated using data obtained from suppliers or value chain partners
<Not Applicable>

Please explain
Emission is less than 5% of total. so it is not calculated.

Investments

Evaluation status
Not evaluated

Metric tonnes CO2e
<Not Applicable>

Emissions calculation methodology
<Not Applicable>

Percentage of emissions calculated using data obtained from suppliers or value chain partners
<Not Applicable>

Please explain
Emission is less than 5% of total. so it is not calculated.

Other (upstream)

Evaluation status
Not evaluated

Metric tonnes CO2e
<Not Applicable>

Emissions calculation methodology
<Not Applicable>

Percentage of emissions calculated using data obtained from suppliers or value chain partners
<Not Applicable>

Please explain
As a smll business, Emission is less than 5% of total. So it is not calculated.

Other (downstream)

Evaluation status
Relevant, not yet calculated

Metric tonnes CO2e
<Not Applicable>

Emissions calculation methodology
<Not Applicable>

Percentage of emissions calculated using data obtained from suppliers or value chain partners
<Not Applicable>

Please explain
Emission is less than 5% of total. so it is not calculated.

C6.7

(C6.7) Are carbon dioxide emissions from biogenic carbon relevant to your organization?
No

C6.10

(C6.10) Describe your gross global combined Scope 1 and 2 emissions for the reporting year in metric tons CO2e per unit currency total revenue and provide any additional intensity metrics that are appropriate to your business operations.

Intensity figure
0.000016

Metric numerator (Gross global combined Scope 1 and 2 emissions, metric tons CO2e)
774

Metric denominator
unit of production

Metric denominator: Unit total
49334713

Scope 2 figure used
Market-based

% change from previous year
7.56

Direction of change
Decreased

Reason for change
Unit of products increased from 44,895,405 to 49,333,713. Emission of CO2e decreased from 850Ton to 774.

C7. Emissions breakdowns

C7.1

(C7.1) Does your organization break down its Scope 1 emissions by greenhouse gas type?
Yes

C7.1a

(C7.1a) Break down your total gross global Scope 1 emissions by greenhouse gas type and provide the source of each used greenhouse warming potential (GWP).

Greenhouse gas	Scope 1 emissions (metric tons of CO2e)	GWP Reference
CO2	774	Other, please specify (USEPA GHG Emission Factors Hub)
N2O	0.7	Other, please specify (USEPA GHG Emission Factors Hub)
Other, please specify (CO)	0.6	Other, please specify (USEPA GHG Emission Factors Hub)
Other, please specify (SO2)	0.004	Other, please specify (USEPA GHG Emission Factors Hub)

C7.2

(C7.2) Break down your total gross global Scope 1 emissions by country/region.

Country/Region	Scope 1 emissions (metric tons CO2e)
United States of America *Our company has one site only.*	774

C7.3

(C7.3) Indicate which gross global Scope 1 emissions breakdowns you are able to provide.
By activity

C7.3c

(C7.3c) Break down your total gross global Scope 1 emissions by business activity.

Activity	Scope 1 emissions (metric tons CO2e)
Scope 1 Nature Gas for production and office CCF 140,177 EF CO2 KG CO2/SCF 0.05444 CO2e Ton: 744 Scope 1 - Diesel Fuel for company owned truck EF(kg/Gal) 10.21 Diesel Consumption(Gal) 1094 CO2e Emission(T/yr) 11 Total CO2e of Scope 1 is 744Ton	

C7.5

(C7.5) Break down your total gross global Scope 2 emissions by country/region.

Country/Region	Scope 2, location-based (metric tons CO2e)	Scope 2, market-based (metric tons CO2e)	Purchased and consumed electricity, heat, steam or cooling (MWh)	Purchased and consumed low-carbon electricity, heat, steam or cooling accounted for in Scope 2 market-based approach (MWh)
United States of America	0	0	0	5163

C7.6

(C7.6) Indicate which gross global Scope 2 emissions breakdowns you are able to provide.
By facility

C7.6b

(C7.6b) Break down your total gross global Scope 2 emissions by business facility.

Facility	Scope 2, location-based (metric tons CO2e)	Scope 2, market-based (metric tons CO2e)
we have only one facility. CO2e from market-based electricity via 100% renewable is 0 ton.	0	0

C7.9

(C7.9) How do your gross global emissions (Scope 1 and 2 combined) for the reporting year compare to those of the previous reporting year?
Decreased

C7.9a

(C7.9a) Identify the reasons for any change in your gross global emissions (Scope 1 and 2 combined), and for each of them specify how your emissions compare to the previous year.

	Change in emissions (metric tons CO2e)	Direction of change	Emissions value (percentage)	Please explain calculation
Change in renewable energy consumption	0	No change	0	CO2e emission doesn't change because electricity purchased is 100% renewable.
Other emissions reduction activities	76	Decreased	8.94	Scope 1 emission from Natural Gas and diesel: CO2e in 2021 is 774 Ton, in 2020 is 850 Ton Emission decreased 76 Ton 8.94%
Divestment		<Not Applicable>		
Acquisitions		<Not Applicable>		
Mergers		<Not Applicable>		
Change in output		<Not Applicable>		
Change in methodology		<Not Applicable>		
Change in boundary		<Not Applicable>		
Change in physical operating conditions		<Not Applicable>		
Unidentified		<Not Applicable>		
Other		<Not Applicable>		

C7.9b

(C7.9b) Are your emissions performance calculations in C7.9 and C7.9a based on a location-based Scope 2 emissions figure or a market-based Scope 2 emissions figure?

Market-based

C8. Energy

C8.1

(C8.1) What percentage of your total operational spend in the reporting year was on energy?

More than 0% but less than or equal to 5%

C8.2

(C8.2) Select which energy-related activities your organization has undertaken.

	Indicate whether your organization undertook this energy-related activity in the reporting year
Consumption of fuel (excluding feedstocks)	Yes
Consumption of purchased or acquired electricity	Yes
Consumption of purchased or acquired heat	No
Consumption of purchased or acquired steam	No
Consumption of purchased or acquired cooling	No
Generation of electricity, heat, steam, or cooling	Yes

C8.2a

(C8.2a) Report your organization's energy consumption totals (excluding feedstocks) in MWh.

	Heating value	MWh from renewable sources	MWh from non-renewable sources	Total (renewable and non-renewable) MWh
Consumption of fuel (excluding feedstock)	LHV (lower heating value)		4259	4259
Consumption of purchased or acquired electricity	<Not Applicable>	5163		
Consumption of purchased or acquired heat	<Not Applicable>	<Not Applicable>	<Not Applicable>	<Not Applicable>
Consumption of purchased or acquired steam	<Not Applicable>	<Not Applicable>	<Not Applicable>	<Not Applicable>
Consumption of purchased or acquired cooling	<Not Applicable>	<Not Applicable>	<Not Applicable>	<Not Applicable>
Consumption of self-generated non-fuel renewable energy	<Not Applicable>	0	<Not Applicable>	0
Total energy consumption	<Not Applicable>	5163	4259	9422

C8.2b

(C8.2b) Select the applications of your organization's consumption of fuel.

	Indicate whether your organization undertakes this fuel application
Consumption of fuel for the generation of electricity	Yes
Consumption of fuel for the generation of heat	Yes
Consumption of fuel for the generation of steam	No
Consumption of fuel for the generation of cooling	Yes
Consumption of fuel for co-generation or tri-generation	No

C8.2c

(C8.2c) State how much fuel in MWh your organization has consumed (excluding feedstocks) by fuel type.

Fuels (excluding feedstocks)
Natural Gas

Heating value
LHV (lower heating value)

Total fuel MWh consumed by the organization
4215

MWh fuel consumed for self-generation of electricity
11

MWh fuel consumed for self-generation of heat
0

MWh fuel consumed for self-generation of steam
<Not Applicable>

MWh fuel consumed for self-generation of cooling

MWh fuel consumed for self-cogeneration or self-trigeneration
<Not Applicable>

Emission factor
53.06

Unit
kg CO2e per million Btu

Emissions factor source
USEPA AP-42 USEPA GHG Emission Factors Hub

Comment
CO2e from Natural Gas is 4215 mmBTU x 53.06 kg/mmBTU =763,000 kg = 763 Ton

C8.2d

(C8.2d) Provide details on the electricity, heat, steam, and cooling your organization has generated and consumed in the reporting year.

	Total Gross generation (MWh)	Generation that is consumed by the organization (MWh)	Gross generation from renewable sources (MWh)	Generation from renewable sources that is consumed by the organization (MWh)
Electricity	11.49	11.49	0	0
Heat	10744	10744	0	0
Steam	0	0	0	0
Cooling	0	0	0	0

C8.2e

(C8.2e) Provide details on the electricity, heat, steam, and/or cooling amounts that were accounted for at a zero emission factor in the market-based Scope 2 figure reported in C6.3.

C9. Additional metrics

C9.1

(C9.1) Provide any additional climate-related metrics relevant to your business.

Description
Waste

Metric value
542

Metric numerator
Ton CO2e

Metric denominator (intensity metric only)
2930 Ton Waste Generated

% change from previous year
26.2

Direction of change
Please select

Please explain
in 2020 Waste Generated = 1189 Ton. CO2e = 297.7Ton, Waste /CO2e = 0.25 In 2021 Waste Generated = 2930 Ton, CO2e = 542 ton. waste /CO2e = 0.18 % Change decrease is 26.2%

C10. Verification

C10.1

(C10.1) Indicate the verification/assurance status that applies to your reported emissions.

	Verification/assurance status
Scope 1	Third-party verification or assurance process in place
Scope 2 (location-based or market-based)	Third-party verification or assurance process in place
Scope 3	Third-party verification or assurance process in place

C10.1a

(C10.1a) Provide further details of the verification/assurance undertaken for your Scope 1 emissions, and attach the relevant statements.

Verification or assurance cycle in place
Annual process

Status in the current reporting year
Complete

Type of verification or assurance
High assurance

Attach the statement
Copy of Emission_Factors_from_Cross_Sector_Tools_March_2017.xlsx
Natural Gas.pdf

Page/ section reference
Attached are monthly usage of natural gas and EF from USEPA.

Relevant standard
Corporate GHG verification guidelines from ERT

Proportion of reported emissions verified (%)
95

C10.1b

(C10.1b) Provide further details of the verification/assurance undertaken for your Scope 2 emissions and attach the relevant statements.

Scope 2 approach
Scope 2 market-based

Verification or assurance cycle in place
Triennial process

Status in the current reporting year
Complete

Type of verification or assurance
Third party verification/assurance underway

Attach the statement
Electricity 100% wind-2021.pdf

Page/ section reference
1. Verification of 100% wind Energy

Relevant standard
Other, please specify (Certification of 100% wind renewable energy)

Proportion of reported emissions verified (%)
100

C10.1c

(C10.1c) Provide further details of the verification/assurance undertaken for your Scope 3 emissions and attach the relevant statements.

Scope 3 category
Scope 3: Purchased goods and services

Verification or assurance cycle in place
Annual process

Status in the current reporting year
Complete

Type of verification or assurance
High assurance

Attach the statement
Copy of Emission_Factors_from_Cross_Sector_Tools_March_2017.xlsx

Page/section reference
business Travel, Commuting, Waste

Relevant standard
Corporate GHG verification guidelines from ERT

Proportion of reported emissions verified (%)
80

C10.2

(C10.2) Do you verify any climate-related information reported in your CDP disclosure other than the emissions figures reported in C6.1, C6.3, and C6.5?
No, but we are actively considering verifying within the next two years

C11. Carbon pricing

C11.1

(C11.1) Are any of your operations or activities regulated by a carbon pricing system (i.e. ETS, Cap & Trade or Carbon Tax)?
No, and we do not anticipate being regulated in the next three years

C11.2

(C11.2) Has your organization originated or purchased any project-based carbon credits within the reporting period?
No

C11.3

(C11.3) Does your organization use an internal price on carbon?
No, and we do not currently anticipate doing so in the next two years

C12. Engagement

C12.1

(C12.1) Do you engage with your value chain on climate-related issues?
Yes, our customers

C12.1b

(C12.1b) Give details of your climate-related engagement strategy with your customers.

Type of engagement
Education/information sharing

Details of engagement
Share information about your products and relevant certification schemes (i.e. Energy STAR)

% of customers by number
30

% of customer - related Scope 3 emissions as reported in C6.5
80

Portfolio coverage (total or outstanding)
<Not Applicable>

Please explain the rationale for selecting this group of customers and scope of engagement
We are contract manufacturing company. We share some reports and information with customers. We engaged top 10 customers per quantity of shippers.

Impact of engagement, including measures of success
The engagement is picked from top 10 customers.

C12.3

(C12.3) Do you engage in activities that could either directly or indirectly influence public policy on climate-related issues through any of the following?
Direct engagement with policy makers

C12.3a

(C12.3a) On what issues have you been engaging directly with policy makers?

Focus of legislation	Corporate position	Details of engagement	Proposed legislative solution
Other, please specify (United Nations Global Compact)	Support	We have been accepted as a Signatory of the United Nation Global Compact.	We commit to the Global Compact's principles in the areas of human rights, labor, environment and anti-corruption.

C12.3f

(C12.3f) What processes do you have in place to ensure that all of your direct and indirect activities that influence policy are consistent with your overall climate change strategy?

We identified emission sources, calculated air emissions and claimed PBR Pwemir, but it is no-re portable.

Energy efficiency and cost efficiency are considered during risk management process.

waste reduction and waste recycling are considered during risk management evaluation.

C12.4

(C12.4) Have you published information about your organization's response to climate change and GHG emissions performance for this reporting year in places other than in your CDP response? If so, please attach the publication(s).

Publication
Other, please specify

Status
Complete

Attach the document
Ecovadis_Survey_Full_17_06_2020 (3).pdf

Page/Section reference
page 1 - 12

Content elements
Governance
Strategy
Risks & opportunities
Emissions figures
Emission targets

Comment
We report EcoVadis every year and share with our customers.

C15. Signoff

C-FI

(C-FI) Use this field to provide any additional information or context that you feel is relevant to your organization's response. Please note that this field is optional and is not scored.

C15.1

(C15.1) Provide details for the person that has signed off (approved) your CDP climate change response.

	Job title	Corresponding job category
Row 1	CEO	Chief Executive Officer (CEO)

SC. Supply chain module

SC0.0

(SC0.0) If you would like to do so, please provide a separate introduction to this module.

SC0.1

(SC0.1) What is your company's annual revenue for the stated reporting period?

	Annual Revenue
Row 1	115603429

SC0.2

(SC0.2) Do you have an ISIN for your company that you would be willing to share with CDP?
No

SC1.1

(SC1.1) Allocate your emissions to your customers listed below according to the goods or services you have sold them in this reporting period.

Requesting member
L'Oréal

Scope of emissions
Scope 1

Allocation level
Company wide

Allocation level detail
<Not Applicable>

Emissions in metric tonnes of CO2e
774

Uncertainty (±%)
2

Major sources of emissions
Natural Gas & Diesel Fuel

Verified
No

Allocation method
Allocation based on the market value of products purchased

Please explain how you have identified the GHG source, including major limitations to this process and assumptions made
Purchased Natural Gas is used for company owned building's heating and boilers. This is emission from company owned and controlled stationary sources. Purchased Diesel is used for company owned truck. This is emission from company owned mobile source.

Requesting member
L'Oréal

Scope of emissions
Scope 2

Allocation level
Company wide

Allocation level detail
<Not Applicable>

Emissions in metric tonnes of CO2e
0

Uncertainty (±%)
0

Major sources of emissions
Electricity purchased.

Verified
Yes

Allocation method
Allocation based on the market value of products purchased

Please explain how you have identified the GHG source, including major limitations to this process and assumptions made
We purchase 100% renewable energy from market based source. The emission is 0.

SC1.2

(SC1.2) Where published information has been used in completing SC1.1, please provide a reference(s).

Usage of Natural Gas, Diesel Fuel and Electricity are received monthly from suppliers' invoices. Emission are calculated based on USEPA AP-42 and Hub.

SC1.3

(SC1.3) What are the challenges in allocating emissions to different customers, and what would help you to overcome these challenges?

Allocation challenges	Please explain what would help you overcome these challenges
Customer base is too large and diverse to accurately track emissions to the customer level	This calculation are based on top 10 customers. So this is the challenge of allocating emission data. it would be more accurate if LOREAL is able to provide data for BMSC.

SC1.4

(SC1.4) Do you plan to develop your capabilities to allocate emissions to your customers in the future?
Yes

SC1.4a

(SC1.4a) Describe how you plan to develop your capabilities.

collaborate with transportation of each customer.

SC2.1

(SC2.1) Please propose any mutually beneficial climate-related projects you could collaborate on with specific CDP Supply Chain members.

Requesting member
L'Oréal

Group type of project
Relationship sustainability assessment

Type of project
Sustainability audit of existing relationship

Emissions targeted
Actions that would reduce both our own and our customers' emissions

Estimated timeframe for carbon reductions to be realized
1-3 years

Estimated lifetime CO2e savings
20

Estimated payback
1-3 years

Details of proposal
We committed to reduce 20% of scope 1 emission/Unit produced, continue purchasing 100% renewable energy of scope 2 and increase scope3 assessment.

SC2.2

(SC2.2) Have requests or initiatives by CDP Supply Chain members prompted your organization to take organizational-level emissions reduction initiatives?
No

SC4.1

(SC4.1) Are you providing product level data for your organization's goods or services?
No, I am not providing data

Submit your response

In which language are you submitting your response?
English

Please confirm how your response should be handled by CDP

	I am submitting to	Public or Non-Public Submission	Are you ready to submit the additional Supply Chain questions?
I am submitting my response	Customers	Non-public	<Not Applicable>

Please confirm below
I have read and accept the applicable Terms