C0. Introduction

C0.1

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

At Darling Ingredients, we create sustainable food, feed and fuel ingredient solutions. We take the meat by-products from our animal-based diets and process them to reclaim valuable and essential bio-nutrients, fats, oils, proteins, meals and more that are used daily in personal, commercial, and industrial products. Our natural and sustainable ingredients are marketed internationally to the pharmaceutical, food, animal feed, pet food, biofuel, fertilizer, sports nutrition and cosmetic industries.

Our Feed and Pet Food solutions, by re-purposing organic bio-nutrient residuals, have grown into one of the world's leading suppliers of natural, sustainable feed ingredients. Additionally, the safe processing of organic meat co-products and animal mortalities has proven to be the most secure and efficient way of handling these materials, as compared to other methods which can harm the environment through the release of methane gases and pathogens.

What we do and how we do it helps protect the world's food chain from farm to table. Through our bio-security standards at our processing facilities, our customers can be assured that our food ingredients are fully traceable, and our products and processes are fully compliant with food safety regulations. Our industry is often referred to as "the gatekeeper," keeping our food chain safe from harmful materials. By processing unconsumed meat co-products into usable ingredients rather than disposing of them in landfills or compost piles, our facilities prevent more greenhouse gases from being released into the air rather than what they add to it during operations. By re-purposing this material, we also help protect our land and groundwater from pathogens that occur during nature's decomposition process. And, by ensuring our feed ingredients are traceable and safe, we protect the livestock that start this food cycle in motion. Through our secure operations, we are able to provide the world's food manufacturers and supply chains with a range of safe and tested food ingredients and products that are sustainable and natural, and economically and ecologically viable. We're the world's leading supplier of gelatin and collagen peptides. We provide global food and meat manufacturers with safe, fully traceable sausage casings and meat co-products. We contribute to innovative, healthy food concepts through our natural proteins and other natural dietary supplements.

Darling Ingredients has taken the lead in developing new opportunities in renewable energy. Whether from re-purposed animal fats, organic residuals or the oil and grease we collect from restaurants, our energy solutions are one more contribution towards a paradigm shift in the world's long-term energy balance. Our many years of experience in acquiring organic co-products and residuals and converting them into innovative, high-value products have positioned us as a global leader in renewable energy development. We were the first in the USA to pioneer the commercial production of biodiesel utilizing animal fats and used cooking oils. In 2001, we became Canada's first producer of biodiesel from animal fats and cooking oils. In 2013, together with Valero Energy Corporation, we constructed North America's largest facility to convert animal fats, used cooking oils and distiller oils into renewable diesel. In Europe, we are leading the way with innovative biofuel and renewable energy solutions.

At Darling Ingredients, we have over a century of experience in making the world a greener place. As an innovative developer of organic fertilizers, we take 'going green' quite literally, re-purposing industrial residuals and meat co-products into nutritional, life-sustaining solutions for horticultural gardens, organic farming, healthy sports turf and more. Using our fertilizer and soil enrichment solutions result in higher yields on conventional and organic farms, as well as greener golf courses, sports turf and lawns. We can also help to improve phosphate balances in agriculture. Developing these resources from residuals also means we make operations cleaner, smoother and more sustainable for a variety of industries. Our methods for storing, collecting and re-purposing these residuals demonstrate how our company serves as a leading steward of our planet's natural resources.

Commercial bakeries and snack manufacturers throughout North America rely on us for the full-service management of their residuals. Bakery Feeds we re-purpose them into a sustainable, quality ingredient for feed rations. Our services unburden the bakery and snack industry, add value to the feed industry, and improve the sustainability performance of both.

C0.2

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

<table>
<thead>
<tr>
<th>Reporting year</th>
<th>Start date</th>
<th>End date</th>
<th>Indicate if you are providing emissions data for past reporting years</th>
<th>Select the number of past reporting years you will be providing emissions data for</th>
</tr>
</thead>
<tbody>
<tr>
<td>January 1, 2020</td>
<td>December 31, 2020</td>
<td>Yes</td>
<td>2 years</td>
<td></td>
</tr>
</tbody>
</table>

C0.3
(C0.3) Select the countries/areas for which you will be supplying data.
Argentina
Australia
Belgium
Brazil
Canada
China
Czechia
France
Germany
Italy
Japan
Malaysia
Netherlands
Poland
Portugal
Spain
United Kingdom of Great Britain and Northern Ireland
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

C-AC0.6/C-FB0.6/C-PF0.6

(C-AC0.6/C-FB0.6/C-PF0.6) Are emissions from agricultural/forestry, processing/manufacturing, distribution activities or emissions from the consumption of your products – whether in your direct operations or in other parts of your value chain – relevant to your current CDP climate change disclosure?

<table>
<thead>
<tr>
<th>Relevance</th>
</tr>
</thead>
</table>
| Agriculture/Forestry | Elsewhere in the value chain only [Agriculture/Forestry] 
| Processing/Manufacturing | Both direct operations and elsewhere in the value chain [Processing/Manufacturing] 
| Distribution | Both direct operations and elsewhere in the value chain [Processing/Manufacturing] 
| Consumption | Elsewhere in the value chain only [Agriculture/Forestry] |

C-AC0.6b/C-FB0.6b/C-PF0.6b

(C-AC0.6b/C-FB0.6b/C-PF0.6b) Why are emissions from agricultural/forestry activities undertaken on your own land not relevant to your current CDP climate change disclosure?

Row 1

**Primary reason**
Do not own/manage land

**Please explain**
Darling does not own or directly manage any of these value chain lands.

C-AC0.7/C-FB0.7/C-PF0.7
Which agricultural commodity(ies) that your organization produces and/or sources are the most significant to your business by revenue? Select up to five.

**Agricultural commodity**
Other, please specify (Food ingredients such as gelatin & hydrolyzed collagen peptides, food grade fats, natural casings, functional proteins, bone and heparin.)

**% of revenue dependent on this agricultural commodity**
20-40%

**Produced or sourced**
Produced

**Please explain**
We take the meat by-products from the production of our animal-based diets and process them to reclaim valuable and essential bio-nutrients, fats, oils, proteins, meals and more that are used daily in personal, commercial, and industrial products. Our natural and sustainable ingredients are marketed internationally to the pharmaceutical, food, animal feed, pet food, biofuel, fertilizer, sports nutrition and cosmetic industries.

**Agricultural commodity**
Other, please specify (Feed ingredients such as fats, proteins, used cooking oils, blood products, pet food ingredients, bakery by-product meals and insect fats and proteins.)

**% of revenue dependent on this agricultural commodity**
40-60%

**Produced or sourced**
Produced

**Please explain**
We take the meat by-products from the production of our animal-based diets and process them to reclaim valuable and essential bio-nutrients, fats, oils, proteins, meals and more that are used daily in personal, commercial, and industrial products. Our natural and sustainable ingredients are marketed internationally to the pharmaceutical, food, animal feed, pet food, biofuel, fertilizer, sports nutrition and cosmetic industries.

**Agricultural commodity**
Other, please specify (Fuel Products such as green energy, green electricity, biogas, biodiesel and renewable diesel.)

**% of revenue dependent on this agricultural commodity**
Less than 10%

**Produced or sourced**
Produced

**Please explain**
We take the meat by-products from the production of our animal-based diets and process them to reclaim valuable and essential bio-nutrients, fats, oils, proteins, meals and more that are used daily in personal, commercial, and industrial products. Our natural and sustainable ingredients are marketed internationally to the pharmaceutical, food, animal feed, pet food, biofuel, fertilizer, sports nutrition and cosmetic industries.

### 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.

<table>
<thead>
<tr>
<th>Position of individual(s)</th>
<th>Please explain</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chief Executive Officer (CEO)</td>
<td>With respect to sustainability risks, the company's executive management assesses and manages climate-related and other ESG risks and opportunities through an interdisciplinary approach that coordinates the views of our operational, commercial, regulatory, financial and legal groups into long-term strategic planning. In addition, the company has a Global Sustainability Committee comprised of persons in leadership positions representing various disciplines throughout the company. The Global Sustainability Committee is managed by our Vice President of Global Communications and Sustainability and regularly reports progress to the CEO, who is the Chairman of the Board. The Committee provides input and guidance to our sustainability strategy and activities, and reviews metrics and strategies that can be used to measure advancement with environmental and other sustainability initiatives. In addition, the chairman of the Global Sustainability Committee provides periodic updates to the Board and senior executive management. In addition, we continually engage with stakeholders, including our shareholders, and monitor current and proposed climate and environmental related policies, laws and regulations and best practices to help us shape effective business strategies.</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Governance mechanisms into which climate-related issues are integrated</th>
<th>Scope of board-level oversight</th>
<th>Please explain</th>
</tr>
</thead>
<tbody>
<tr>
<td>Scheduled – some meetings</td>
<td>The Board is responsible for overseeing management’s execution of its risk management responsibilities and for assessing the company’s approach to risk management. The Board’s oversight of risk occurs as an integral and continuous part of the Board’s oversight of our business and seeks to ensure that management has processes in place to appropriately manage risk, including climate-related risks. The Board actively engages with senior management to understand and oversee the company’s various risks, and members of senior management regularly attend board meetings to provide periodic briefings on risk related matters, including with respect to climate related and cybersecurity risks. At least once per year, our executive management team has a formal strategic planning meeting with our full Board of Directors. This meeting addresses all aspects of the company’s businesses, including climate related risks and opportunities.</td>
<td></td>
</tr>
</tbody>
</table>

C1.2

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

<table>
<thead>
<tr>
<th>Name of the position(s) or committee(s)</th>
<th>Reporting line</th>
<th>Responsibility</th>
<th>Coverage of responsibility</th>
<th>Frequency of reporting to the board on climate-related issues</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chief Executive Officer (CEO)</td>
<td>&lt;Not Applicable&gt;</td>
<td>Both assessing and managing climate-related risks and opportunities</td>
<td>&lt;Not Applicable&gt;</td>
<td>More frequently than quarterly</td>
</tr>
<tr>
<td>Sustainability committee</td>
<td>&lt;Not Applicable&gt;</td>
<td>Assessing climate-related risks and opportunities</td>
<td>&lt;Not Applicable&gt;</td>
<td>Annually</td>
</tr>
</tbody>
</table>

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).

Darling’s Global Sustainability Committee comprised of persons in leadership positions representing various disciplines throughout the company. The Committee provides guidance, feedback and regular reporting on material ESG matters, including climate-related, to the CEO. Darling recognizes the importance of monitoring climate-related issues at a high level within the organization and this group is strategically placed to bridge between corporate upper management and plant operations. Our VP of Sustainability, with guidance from the entire Global Sustainability Committee, is responsible for leading and implementing our sustainable strategy. The VP of Sustainability regularly interacts and presents to the company’s Board. The VP of Sustainability is also supported by a team of environmental professionals who facilitate sustainability efforts, including information gathering and opportunities for improvement related to the climate. The environmental professionals have direct oversight of emissions reporting, wastewater discharges, and overall environmental impact to the climate for global operations. Subsequent to the oversight, this group identifies targets for potential improvement in order to demonstrate Darling’s environmental excellence and stewardship.

C1.3

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

<table>
<thead>
<tr>
<th>Provide incentives for the management of climate-related issues</th>
<th>Comment</th>
</tr>
</thead>
<tbody>
<tr>
<td>Row 1 Yes</td>
<td></td>
</tr>
</tbody>
</table>
(C1.3a) Provide further details on the incentives provided for the management of climate-related issues (do not include the names of individuals).

<table>
<thead>
<tr>
<th>Entitled to incentive</th>
<th>Type of incentive</th>
<th>Activity incentivized</th>
<th>Comment</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chief Executive Officer (CEO)</td>
<td>Monetary reward</td>
<td>Other (please specify) (Establish relevant goals as part of global Environmental, Social and Governance (ESG) program)</td>
<td>Oversaw the publication of an updated ESG Factsheet, including the establishment of new five-year targeted goals to reduce energy and water usage.</td>
</tr>
</tbody>
</table>

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?

<table>
<thead>
<tr>
<th></th>
<th>From (years)</th>
<th>To (years)</th>
<th>Comment</th>
</tr>
</thead>
<tbody>
<tr>
<td>Short-term</td>
<td>0</td>
<td>5</td>
<td>Darling believes that short-term goals in conjunction to climate change may occur within the immediate to 5 years. Capital budgeting for each year allows each business unit to decipher year to year improvements and/or changes that would allow for climate impact changes. These changes could occur without additional installations but could be achieved by modifying current practices and/or equipment.</td>
</tr>
<tr>
<td>Medium-term</td>
<td>5</td>
<td>10</td>
<td>Darling believes that a roadmap would need to be developed in order to concentrate on how the company would positively change its climate impact. This could be accomplished by installing capital to accomplish the roadmap goals. However, other environmental groups would need to be consulted to discuss the approach.</td>
</tr>
<tr>
<td>Long-term</td>
<td>10</td>
<td>30</td>
<td>Darling believes that a roadmap would need to be developed in order to concentrate on how the company would positively change its climate impact over the long-term. This could be accomplished by completely changing the culture of how climate change is approached. Other environmental groups and/or academic experts would need to be consulted to discuss the approach.</td>
</tr>
</tbody>
</table>

C2.1b

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

The determination of the level of impact of a risk or opportunity on our business is dependent on the particular facts and circumstances at hand. In general, we would consider any business risk or opportunity that applies to both our direct operations and our supply chain, including those related to climate and water, that could have an impact of greater than 5% of our Adjusted EBITDA to have a “substantive financial or strategic impact” on our business. For example, if one or more sites representing more than 5% of our Adjusted EBITDA in the previous financial year experienced a prolonged shutdown due to a loss of operating capacity induced by a water shortage, this would be considered as substantive impact. A change could also be considered substantive if it directly impacted our corporate reputation and/or brand value and/or directly affected the wellbeing of our employees.
(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
The company's senior executives are responsible for day-to-day management of strategic, operational and compliance risks, including the creation of appropriate risk management policies and assigning responsibility and accountability for their implementation. These risks include, financial, regulatory, workforce, business performance, commodity, cybersecurity, reputational, water and climate related. The Board is responsible for overseeing management's execution of its risk management responsibilities and for assessing the company's approach to risk management. The Board's oversight of risk occurs as an integral and continuous part of the Board's oversight of our business and seeks to ensure that management has processes in place to appropriately manage risk, including climate-related risks. The Board actively engages with senior management to understand and oversee the company's various risks, and members of senior management regularly attend Board meetings to provide periodic briefings on risk related matters, including with respect to climate related and cybersecurity risks. At least once per year, our executive management team has a formal strategic planning meeting with our full Board of Directors. This meeting addresses all aspects of the company's businesses, including climate related risks and opportunities. With respect to sustainability risks, the company’s executive management assesses and manages climate related and other ESG risks and opportunities through an interdisciplinary approach that coordinates the views of our operational, commercial, regulatory, financial and legal groups into long-term strategic planning. In addition, the company has a Global Sustainability Committee comprised of persons in leadership positions representing various disciplines throughout the company. The Global Sustainability Committee is managed by our Vice President of Global Communications and Sustainability and regularly reports progress to the CEO, who is the Chairman of the Board. The Committee provides input and guidance to our sustainability strategy and activities; and reviews metrics and strategies that can be used to measure advancement with environmental and other sustainability initiatives. In addition, the chairman of the Global Sustainability Committee provides periodic updates to the Board and senior executive management. In addition, we continually engage with stakeholders, including our shareholders, and monitor current and proposed climate and environmental related policies, laws and regulations and best practices to help us shape effective business strategies.

C2.2a
(C2.3a) Which risk types are considered in your organization's climate-related risk assessments?

<table>
<thead>
<tr>
<th>Relevance &amp; inclusion</th>
<th>Please explain</th>
</tr>
</thead>
<tbody>
<tr>
<td>Current regulation</td>
<td>Our biofuels business may be affected by energy policies of U.S. and foreign governments. Pursuant to the requirements established by the Energy Independence and Security Act of 2007, the EPA finalized regulations for National Renewable Fuel Standard (RFS2) in 2010. The regulation mandated the domestic use of biomass-based diesel (biodiesel or renewable diesel) of 1.0 billion gallons in 2012. Beyond 2012, the regulation requires a minimum of 1.0 billion gallons of biomass-based diesel for each year through 2022, which amount is subject to increase by the Administrator of the EPA. The volume mandates for 2020 and 2021 were 2.4 billion gallons for biomass-based diesel and for 2020, 5.09 billion gallons for advanced biofuel and 20.09 billion gallons for renewable fuel. The EPA has not yet established final volume mandates for 2021 for either advanced biofuel or renewable fuel or the 2022 mandate for biomass-based diesel. Biomass-based diesel quality under the RFS2 rules must meet certain specific requirements to fulfill the biomass-based diesel requirement, the non-specified portion of the advanced biofuel requirement and the total renewable fuel requirement. In order to qualify as a ‘renewable fuel’ each type of fuel from each type of feedstock is required to meet greenhouse gas emissions (GHG) levels specified in the regulation. The EPA has determined that biofuels (either biodiesel or renewable diesel) produced from waste oils, fats and greases result in an 88% reduction in GHG emissions, exceeding the 50% requirement established by the regulation. Prices for our finished products may be impacted by worldwide government policies relating to renewable fuels and GHGs. Programs like RFS2 and low-carbon fuel standards (LCFS) (such as in the state of California) and tax credits for biofuels both in the United States and abroad may positively impact the demand for our finished products, the demand for and price of renewable and biodiesel.</td>
</tr>
<tr>
<td>Emerging regulation</td>
<td>Our operations are highly dependent on the use of natural gas, diesel fuel and electricity. As carbon pricing schemes develop, we could see impacts through carbon taxes, cap and trade programs and environmental regulations. We consume significant volumes of natural gas to operate boilers in our plants, which generate steam to heat raw materials. Natural gas prices represent a significant cost of facility operations included in cost of sales. We also consume significant volumes of diesel fuel to operate our fleet of tractors and trucks used to collect raw materials. Diesel fuel prices represent a significant component of cost of collection expenses included in cost of sales. We also require a significant amount of electricity in operating certain of our facilities, a disruption of which or a significant increase in the cost of which could have a material adverse effect on the business and results of operations of the affected facility.</td>
</tr>
<tr>
<td>Technology</td>
<td>We are a party to various lawsuits, claims and loss contingencies arising in the ordinary course of business, including assertions by certain regulatory and governmental agencies related to climate risks such as permitting requirements and/or air, wastewater and storm water discharges from the Company's processing facilities. The outcome of litigation, particularly class action lawsuits, and regulatory proceedings is difficult to assess or quantify. Plaintiffs (including governmental agencies) in these types of lawsuits and proceedings may seek recovery of very large or indeterminate amounts, and the magnitude of the potential loss relating to such lawsuits or proceedings may remain unknown for substantial periods of time. The costs of responding to or defending future litigation or regulatory proceedings may be significant and any future litigation or regulatory proceedings may divert the attention of management away from our strategic objectives. There may also be adverse publicity associated with litigation or regulatory proceedings that may decrease customer and investor confidence in our business, regardless of whether the allegations are valid or we are ultimately found liable. As a result, litigation or regulatory proceedings may have a material adverse effect on our business, results of operations and financial condition.</td>
</tr>
<tr>
<td>Legal</td>
<td>We produce a variety of raw materials and/or chemical products, some of which are used in the production of other products that are part of the Company’s operations. Our principal finished products include MBM, PM, BFT, YG, PG, and BBP which are feed grade commodity ingredients. We also manufacture and sell a number of other products that are derived from animal by-products and many of which are commodities or compete with commodities. The prices of these commodities are quoted on, or derived from prices quoted on, established commodity markets. Accordingly, our results of operations will be affected by fluctuations in the prevailing market prices of these finished products or other commodities that may be substituted for our products by our customers. Historically, market prices for commodity grains, fats and food stocks have fluctuated in response to a number of factors, including global changes in supply and demand resulting from changes in local and global economic conditions, changes in global government agriculture programs, changes in energy policies of U.S. and foreign governments, changes in international agricultural trading policies, impact of disease outbreaks on protein sources and the potential effect on supply and demand, as well as weather conditions during the growing and harvesting seasons. While we seek to mitigate the risks associated with price declines, including by diversifying our finished products offerings, through the use of formula pricing tied to commodity prices for a substantial portion of our raw materials (which may not protect our margins in periods of rapidly declining prices) and hedging, a significant decrease in the market price of any of our products or of other commodities that may be substituted for our products would have a material adverse effect on our results of operations and cash flow. Furthermore, rapid and material changes in finished goods prices, including competing agricultural-based alternative ingredients, generally have an adverse impact on our gross margin and profitability resulting from the brief lapse of time between the procurement of the raw materials and the sale of the finished goods.</td>
</tr>
<tr>
<td>Market</td>
<td>Reputational risks are included in our climate risk assessments. Media campaigns related to food and food ingredient production’s impact on climate change presents potential risks to our corporate name and brands. Individuals or organizations can use social media platforms to publicize inappropriate or inaccurate stories or perceptions about our food and food ingredient production industries or our company. Such practices could cause damage to the reputations of our company and the feed and food ingredient production industries in general.</td>
</tr>
<tr>
<td>Acute physical</td>
<td>Seasonal factors and severe weather changes can impact the availability, quality and volume of raw materials that we collect and process from the agri-food industry. Seasonal factors include holidays, when raw material volumes decline; severe weather changes of excessive snowfall, cold weather, hurricanes and flooding, which can impact our ability to collect the raw materials. In addition, extended warm weather can adversely affect the quality of raw materials processed and the yield on production due to rapidly degrading raw materials.</td>
</tr>
<tr>
<td>Chronic physical</td>
<td>Depending upon the location of our processing facilities and those of our suppliers, operations could be subject to weather impacts, including the physical impacts of climate changes, to include changes in rainfall patterns, water shortages, changing sea levels, changing storm patterns and intensities and changing temperatures levels. Physical damage, flooding, excessive snowfall or drought resulting from changing climate patterns could adversely impact our costs and business operations, the availability and costs of our raw materials, and the supply and demand for our end products.</td>
</tr>
</tbody>
</table>

(C2.3) Have you identified any inherent climate-related risks with the potential to have a substantive financial or strategic impact on your business? No

(C2.3b) Why do you not consider your organization to be exposed to climate-related risks with the potential to have a substantive financial or strategic impact on your business?

<table>
<thead>
<tr>
<th>Primary reason</th>
<th>Please explain</th>
</tr>
</thead>
<tbody>
<tr>
<td>Row 1</td>
<td>Risks exist, but none with potential to have a substantive financial or strategic impact.</td>
</tr>
</tbody>
</table>

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

Opportunity type
Products and services

Primary climate-related opportunity driver
Development and/or expansion of low emission goods and services

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

Company-specific description
In August 2018, the DGD Joint Venture completed an expansion project that increased the DGD Facility's annual production capacity from 160 million gallons of renewable diesel to 275 million gallons and expanded outbound logistics for servicing the many developing low carbon fuel markets in North America and worldwide. In November 2018, the joint venture partners approved the DGD Joint Venture moving forward with another expansion project, which is expected to grow the facility’s annual production capacity by an additional 400 million gallons from the current capacity of 275 million gallons of renewable diesel to 675 million gallons of renewable diesel and provide the capability to produce 30 million gallons of renewable naphtha for sale into low carbon fuel markets. DGD estimates completion and start-up of the expansion project in the fourth quarter of 2021. The expansion will be in the form of a parallel facility located next to the current facility. The planned expansion will also include expanded inbound and outbound logistics for servicing the many developing low carbon fuel markets around North America and worldwide. The total cost of the expansion project, including the naphtha production and improved logistics capability, is estimated to be approximately $1.1 billion entity level which 50% would be Darling’s share $550.0 million of the costs. Note that Diamond Green Diesel is debt free and expansion costs have been sourced from earnings at DGD.

Time horizon
Short-term

Likelihood
Very likely

Magnitude of impact
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)
759375000

Potential financial impact figure – maximum (currency)
810000000

Explanation of financial impact figure
The Diamond Green Diesel II expansion project due for completion Q4 2021 will estimate production of renewable diesel at 675 million gallons using a conservative EBITDA assumption of $2.25 per gallon in physical year 2022 (this assumes the governmental energy policies and programs like the low-carbon fuel standards (LCFS) continue worldwide through 2022) calculating a total EBITDA of $1,518,750,000 which 50% is Darling's share at $759,375,000 EBITDA thus making the conservative minimum estimate $759,375,000 EBITDA in 2022 from DGD II expansion. The maximum potential figure using EBITDA assumption of $2.40 per gallon in the same physical year 2022. Those figures would be 675 million gallons at $2.40 per gallon arriving at a total EBITDA of $1,620,000,000 which 50% is Darling's share at $810,000,000 EBITDA thus making the maximum financial potential estimated at $810,000,000 EBITDA in the year 2022 when DGD II is fully operational.

Cost to realize opportunity
Strategy to realize opportunity and explanation of cost calculation
Diamond Green Diesel (“DGD”), our 50/50 joint venture with Valero Energy Corporation, has proven to be the lowest-cost and highest green premium producer of renewable diesel in the world. The demand for low carbon alternative fuels to meet the ever growing demand from governmental programs, such as the National Renewable Fuel Standard Program (RFS2) and low carbon fuel standards (LCFS) (such as in the state of California) has driven the decision for expansion at DGD. We remain confident in its positioning to service both the U.S. renewable fuel standard demands as well as to satisfy the growing global demand for low carbon markets, which will drive enhanced margin opportunities. The evaluation of the DGD expansion determined that the DGD JV has evolved into an integral and integrated part of the company's ongoing operations. Our partnership with Valero through DGD has created a sustainable and efficient process of converting Darling’s feedstocks of waste fats and oils to high quality renewable fuels to meet the needs of our customers around the world. Darling's strategy to remain the largest most efficient collector and processor of animal fats and oils as a vertical integration with DGD to enhance its ability to be the best low-cost producer of the greenest fuel to the world market place.

Comment
Impacts and costs are estimates for the expanded production of 400 million gallons of renewable diesel to a total of 675 million gallons of renewable diesel and additional 30 million gallons of renewable naphtha at the entity level of the DGD JV in 2022 full run year. EBITDA estimates of $2.25 to $2.40 per gallon have been achieved in production at DGD for 2020 thus provided a conservative estimate for the 2022 production of renewable fuels.

C3. Business Strategy

C3.1

(C3.1) Have climate-related risks and opportunities influenced your organization’s strategy and/or financial planning?
Yes, and we have developed a low-carbon transition plan
C3.1a

(C3.1a) Is your organization’s low-carbon transition plan a scheduled resolution item at Annual General Meetings (AGMs)?

<table>
<thead>
<tr>
<th>Row</th>
<th>Is your low-carbon transition plan a scheduled resolution item at AGMs?</th>
<th>Comment</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>No, and we do not intend it to become a scheduled resolution item within the next two years</td>
<td></td>
</tr>
</tbody>
</table>

C3.2

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

Yes, qualitative

C3.2a

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

<table>
<thead>
<tr>
<th>Climate-related scenarios and models applied</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Other, please specify (GSC - Risk Analysis Process)</td>
<td>Darling’s Global Sustainability Committee (GSC) includes senior executives responsible for day-to-day management of strategic, operational and compliance risks, including the creation of appropriate risk management policies and the assignment of responsibility and accountability for their implementation. With respect to climate-related risks and opportunities, the GCS assesses scenarios that may impact Darling's future financial position. These climate related risks and opportunities include those risks related to the transition to a lower carbon economy, those risks related to the physical impacts of climate change as well as opportunities associated with efforts to mitigate and adapt to climate change.</td>
</tr>
</tbody>
</table>

C3.3

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

<table>
<thead>
<tr>
<th>Have climate-related risks and opportunities influenced your strategy in this area?</th>
<th>Description of influence</th>
</tr>
</thead>
<tbody>
<tr>
<td>Products and services</td>
<td>Risks and opportunities related to the growing demand for alternative fuels to meet the low-carbon fuel standards rising around the world; led Darling to the original investment in Diamond Green Diesel (DGD) our 50/50 joint venture with Valero Energy. This initial investment has expanded since 2011 to the point that it is now integral to how Darling operates its business. Darling traditionally collected and converted used cooking oil and animal fats into feed ingredients which were sold on a caloric value to feed animals as well as for industrial technical uses. Over the past decade, the world’s increasing focus on climate change and greenhouse gas has provided a new finished market for the Company’s finished fats ingredients. With Darling’s significant fats ownership, this has and continues to transform how Darling operates. In 2020, a large portion of Darling’s total U.S. finished fats products were sold to the DGD Norco Facility as feedstock for renewable diesel. This percentage is expected to noticeably increase both in 2021 and beyond due to the recent DGD capacity expansion completed in August 2018 and the even larger expansion to be finished in late 2021. In 2020, 2019 and 2018, DGD was the Company’s largest finished product customer in terms of sales, with the Company recording sales to DGD in those years of $264.1 million, $208.7 million and $131.8 million, respectively.</td>
</tr>
<tr>
<td>Supply chain and/or value chain</td>
<td>Clima-related risks and opportunities have not yet influenced our supply chain and/or value chain, as we are initially focused on evaluating the risks and opportunities relating to our own operations. We plan to develop a supply chain management program in the next few years and have begun that process with a Supplier Code of Conduct adopted in 2020.</td>
</tr>
<tr>
<td>Investment in R&amp;D</td>
<td>Yes</td>
</tr>
<tr>
<td>Operations</td>
<td>Evaluation in progress</td>
</tr>
</tbody>
</table>

C3.4

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

<table>
<thead>
<tr>
<th>Financial planning elements that have been influenced</th>
<th>Description of influence</th>
</tr>
</thead>
<tbody>
<tr>
<td>Revenues</td>
<td>DGD is a large factor EBITDA and it weighs heavily on where certain facilities will send their fats, oils, and feedstock material.</td>
</tr>
</tbody>
</table>
C3.4a

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

C4. Targets and performance

C4.1

(C4.1) Did you have an emissions target that was active in the reporting year?
No target

C4.1c

(C4.1c) Explain why you did not have an emissions target, and forecast how your emissions will change over the next five years.

<table>
<thead>
<tr>
<th>Primary reason</th>
<th>Five-year forecast</th>
<th>Please explain</th>
</tr>
</thead>
<tbody>
<tr>
<td>We are planning to introduce a target in the next two years</td>
<td>In 2019, we conducted a feasibility analysis around what a meaningful energy use reduction target would be for Darling. Our Sustainability Committee established a target to reduce our Collagen/Gelatin business line’s energy intensity per unit of production and our Rendering &amp; Specialties business lines’ per unit of raw material processed by 5% within 5 years, from our new baseline year of 2020. Several activities have been identified to help us work towards this goal and we will continue to look for innovative technologies that help us reduce energy use and associated GHG emissions.</td>
<td></td>
</tr>
</tbody>
</table>

Our industry is often referred to as the “original recycler.” Through our diverse global family of brands, we collect and repurpose millions of metric tons of inedible materials annually. Beef, poultry and pork by-product streams are converted into usable and specialty ingredients, such as gelatin, tallow, feed-grade fats, meat and bone meal, poultry meal, yellow grease, fuel feedstocks, green energy, natural casings and hides, which are sold to the pharmaceutical, food, pet food, feed, fuel, bio-energy and fertilizer industries around the world. The nature of this business is to sequester carbon into our products that would otherwise be emitted into the atmosphere through decomposition, composting, landfilling and the like. The net effect of Darling’s operations is a negative carbon footprint where for every pound of carbon emitted we prevent the release of almost 5 pounds.

C4.2

(C4.2) Did you have any other climate-related targets that were active in the reporting year?
Other climate-related target(s)

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**
  - 2020

- **Target coverage**
  - Other, please specify (Rendering & Specialties business lines)

- **Target type: absolute or intensity**
  - Intensity

- **Target type: category & Metric (target numerator if reporting an intensity target)**
  - Energy consumption or efficiency [GJ]

- **Target denominator (intensity targets only)**
  - Other, please specify (per 100 lb of raw material processed)

- **Base year**
  - 2020

- **Figure or percentage in base year**
  - 0.114

- **Target year**
  - 2025

- **Figure or percentage in target year**
  - 0.064

- **Figure or percentage in reporting year**
  - 0.114

- **% of target achieved [auto-calculated]**
  - 0
Is this target part of an emissions target?
We are committed to measuring our direct and indirect emissions on a regular basis. 2020 marked the fourth year we have conducted a greenhouse gas (GHG) emissions inventory to generate a comprehensive understanding of our energy use and emissions output across our operations. At anticipated levels of growth and changes in our energy mix, our energy intensity goal will translate into reductions in absolute scope 1 and 2 emissions.

Is this target part of an overarching initiative?
No, it's not part of an overarching initiative

Please explain (including target coverage)
We used the Operational Control approach and the GHG Protocol Corporate Standard as guidance.

Target reference number
Oth 2

Year target was set
2020

Target coverage
Other, please specify ( Collagen/Gelatin business line)

Target type: absolute or intensity
Intensity

Target type: category & Metric (target numerator if reporting an intensity target)
Energy consumption or efficiency

Target denominator (intensity targets only)
Other, please specify (per 100 lb per unit of production)

Base year
2020

Figure or percentage in base year
4.016

Target year
2025

Figure or percentage in target year
3.966

Figure or percentage in reporting year
4.016

% of target achieved [auto-calculated]
0

Target status in reporting year
Underway

Is this target part of an emissions target?
We are committed to measuring our direct and indirect emissions on a regular basis. 2020 marked the fourth year we have conducted a greenhouse gas (GHG) emissions inventory to generate a comprehensive understanding of our energy use and emissions output across our operations. At anticipated levels of growth and changes in our energy mix, our energy intensity goal will translate into reductions in absolute scope 1 and 2 emissions.

Is this target part of an overarching initiative?
No, it's not part of an overarching initiative

Please explain (including target coverage)
We used the Operational Control approach and the GHG Protocol Corporate Standard as guidance.

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.
No

C4.3d

(C4.3d) Why did you not have any emissions reduction initiatives active during the reporting year?
Each year we invested in several initiatives to reduce our consumption of energy, and the associated GHG emissions. Our initiatives included retrofitting LED lightings, installing capacitor banks, upgrading boiler controls to investing in electrical upgrades to improve efficiency at several of our plants. We are in the process of defining calculation method in terms of CO2e savings.
Yes

(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**
Our industry is often referred to as the “original recycler.” Through our diverse global family of brands, we collect and repurpose millions of metric tons of inedible materials annually. Beef, poultry and pork by-product streams are converted into usable and specialty ingredients, such as gelatin, tallow, feed-grade fats, meat and bone meal, poultry meal, yellow grease, fuel feedstocks, green energy, natural casings and hides, which are sold to the pharmaceutical, food, pet food, feed, fuel, bio-energy and fertilizer industries around the world. The nature of this business is to sequester carbon into our products that would otherwise be emitted into the atmosphere through decomposition, composting, landfilling and the like. The net effect of Darling’s operations is a negative carbon footprint where for every pound of carbon emitted we prevent the release of almost 5 pounds.

**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**
Please select

**% revenue from low carbon product(s) in the reporting year**
100

**% of total portfolio value**
<Not Applicable>

**Asset classes/ product types**
<Not Applicable>

**Comment**
Many of the finished products that Darling produces have been analyzed to determine carbon footprint or carbon intensity. These values are then utilized to compare with carbon footprint data on competing products in both the animal and petfood industry as well as our renewable diesel operations.

---

C5. Emissions methodology

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

Scope 1
- **Base year start**: January 1, 2018
- **Base year end**: December 31, 2018
- **Base year emissions (metric tons CO2e)**: 1,365,763.318

**Comment**
Darling Ingredients Inc. is restating its 2018 Scope 1 emissions figures due to changes in the methodology used to calculate its emissions data.

Scope 2 (location-based)
- **Base year start**: January 1, 2018
- **Base year end**: December 31, 2018
- **Base year emissions (metric tons CO2e)**: 392,544.469

**Comment**
Darling Ingredients Inc. is restating its 2018 Scope 1 emissions figures due to changes in the methodology used to calculate its emissions data.

Scope 2 (market-based)
- **Base year start**: January 1, 2018
- **Base year end**: December 31, 2018
- **Base year emissions (metric tons CO2e)**: 420,977.365

**Comment**
Darling Ingredients Inc. is restating its 2018 Scope 1 emissions figures due to changes in the methodology used to calculate its emissions data.

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

**C6. Emissions data**

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

<table>
<thead>
<tr>
<th>Reporting year</th>
<th>Gross global Scope 1 emissions (metric tons CO2e)</th>
<th>Start date</th>
<th>End date</th>
<th>Comment</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1389803.181</td>
<td>January 1 2020</td>
<td>December 31 2020</td>
<td></td>
</tr>
</tbody>
</table>

Past year 1

<table>
<thead>
<tr>
<th>Gross global Scope 1 emissions (metric tons CO2e)</th>
<th>Start date</th>
<th>End date</th>
<th>Comment</th>
</tr>
</thead>
<tbody>
<tr>
<td>1434228.044</td>
<td>January 1 2019</td>
<td>December 31 2019</td>
<td>Darling Ingredients Inc. is restating its 2019 Scope 1 emissions figures due to changes in the methodology used to calculate its emissions data.</td>
</tr>
</tbody>
</table>

Past year 2

<table>
<thead>
<tr>
<th>Gross global Scope 1 emissions (metric tons CO2e)</th>
<th>Start date</th>
<th>End date</th>
<th>Comment</th>
</tr>
</thead>
<tbody>
<tr>
<td>1365763.318</td>
<td>January 1 2018</td>
<td>December 31 2018</td>
<td>Darling Ingredients Inc. is restating its 2018 Scope 1 emissions figures due to changes in the methodology used to calculate its emissions data.</td>
</tr>
</tbody>
</table>

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

Row 1

- **Scope 2, location-based**
  - We are reporting a Scope 2, location-based figure

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

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

Reporting year
Scope 2, location-based
351767.633
Scope 2, market-based (if applicable)
404737.093
Start date
January 1 2020
End date
December 31 2020
Comment
Past year 1
Scope 2, location-based
348549.374
Scope 2, market-based (if applicable)
394921.65
Start date
January 1 2019
End date
December 31 2019
Comment
Darling Ingredients Inc. is restating its 2019 Scope 2 emissions figures due to changes in the methodology use to calculate its emissions data.

Past year 2
Scope 2, location-based
392544.469
Scope 2, market-based (if applicable)
420977.365
Start date
January 1 2018
End date
December 31 2018
Comment
Darling Ingredients Inc. is restating its 2018 Scope 2 emissions figures due to changes in the methodology use to calculate its emissions data.

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?
No

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, 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
We have made estimates for internal discussions but have not yet completed comprehensive accounting per the GHG Protocol. We hope to have this evaluation completed in the near future.
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
We have made estimates for internal discussions but have not yet completed comprehensive accounting per the GHG Protocol. We hope to have this evaluation completed in the near future.

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

Evaluation status
Relevant, calculated

Metric tonnes CO2e
318523.458

Emissions calculation methodology

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

Please explain
This category includes emissions related to the production of fuels and energy purchased and consumed by the reporting company in the reporting year that are not included in scope 1 or scope 2.

Upstream transportation and distribution

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
We have made estimates for internal discussions but have not yet completed comprehensive accounting per the GHG Protocol. We hope to have this evaluation completed in the near future.

Waste generated in operations

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
We have made estimates for internal discussions but have not yet completed comprehensive accounting per the GHG Protocol. We hope to have this evaluation completed in the near future.
Business travel

Evaluation status
Relevant, calculated

Metric tonnes CO2e
8839

Emissions calculation methodology
Darling Ingredients follows the GHG Protocol's Corporate Value Chain (Scope 3) Standard to calculate Scope 3 Emissions. Business travel includes air travel, lodging and rental cars. Emissions are calculated using spend data and emission factors based on economic input-output (IO) tables from Carnegie Mellon Economic Input-Output Life-Cycle Assessment (EIO-LCA).

Percentage of emissions calculated using data obtained from suppliers or value chain partners
Please explain
This category includes emissions from the transportation of employees in vehicles owned or operated by third parties, such as aircraft, trains, buses, and passenger cars. Emissions from hotel stays are also included. Due to COVID-19 travel restriction, we assume 2019 inventory to represent an alignment with business as usual scenario for 2020 calculation.

Employee commuting

Evaluation status
Relevant, calculated

Metric tonnes CO2e
2554

Emissions calculation methodology
Darling Ingredients follows the GHG Protocol's Corporate Value Chain (Scope 3) Standard to calculate Scope 3 Emissions. The commute emissions are calculated by deriving an average commute emissions per FTE in 2019 using the results of the Employee Commute Survey conducted by Darling Ingredients. This average emissions per FTE is multiplied to total number of FTE in 2019. Emission factors used come from US EPA Emission Factors for GHG Inventories.

Percentage of emissions calculated using data obtained from suppliers or value chain partners
Please explain
This category includes emissions from the transportation of employees between their homes and their worksites. Due to COVID-19 commuting restriction, we assume 2019 inventory to represent an alignment with business as usual scenario for 2020 calculation.

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
We have made estimates for internal discussions but have not yet completed comprehensive accounting per the GHG Protocol. We hope to have this evaluation completed in the near future.

Downstream transportation and distribution

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
We have made estimates for internal discussions but have not yet completed comprehensive accounting per the GHG Protocol. We hope to have this evaluation completed in the near future.

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
We have made estimates for internal discussions but have not yet completed comprehensive accounting per the GHG Protocol. We hope to have this evaluation completed in the near future.
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
We have made estimates for internal discussions but have not yet completed comprehensive accounting per the GHG Protocol. We hope to have this evaluation completed in the near future.

End of life treatment 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
We have made estimates for internal discussions but have not yet completed comprehensive accounting per the GHG Protocol. We hope to have this evaluation completed in the near future.

Downstream leased assets

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

Franchises

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

Investments

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
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

Other (downstream)

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

(C-AC6.6/C-FB6.6/C-PF6.6)

(C-AC6.6/C-FB6.6/C-PF6.6) Can you break down your Scope 3 emissions by relevant business activity area?

No

(C-AC6.6b/C-FB6.6b/C-PF6.6b)

(C-AC6.6b/C-FB6.6b/C-PF6.6b) Why can you not report your Scope 3 emissions by business activity area?

Row 1

Primary reason
Not an immediate business priority

Please explain
We are in the early stage of our Scope 3 GHG emissions evaluation and we hope to have this evaluation completed in the near future.

(C-AC6.8/C-FB6.8/C-PF6.8)

(C-AC6.8/C-FB6.8/C-PF6.8) Is biogenic carbon pertaining to your direct operations relevant to your current CDP climate change disclosure?

Yes

(C-AC6.8a/C-FB6.8a/C-PF6.8a)

(C-AC6.8a/C-FB6.8a/C-PF6.8a) Account for biogenic carbon data pertaining to your direct operations and identify any exclusions.

CO2 emissions from biofuel combustion (processing/manufacturing machinery)

Emissions (metric tons CO2)

Methodology

Please explain

CO2 emissions from biofuel combustion (other)

Emissions (metric tons CO2)
133653.542

Methodology
Default emissions factors

Please explain
Do you collect or calculate greenhouse gas emissions for each commodity reported as significant to your business in C-AC0.7/FB0.7/PF0.7?

**Agricultural commodities**
Other (Food ingredients such as gelatin & hydrolyzed collagen peptides, food grade fats, natural casings, functional proteins, bone and heparin.)

**Do you collect or calculate GHG emissions for this commodity?**

No, not currently but intend to collect or calculate this data within the next two years

**Please explain**
We take the meat by-products from the production of our animal-based diets, and process them to reclaim valuable and essential bio-nutrients, fats, oils, proteins, meals and more that are used daily in personal, commercial, and industrial products. Our natural and sustainable ingredients are marketed internationally to the pharmaceutical, food, animal feed, pet food, biofuel, fertilizer, sports nutrition and cosmetic industries. We have calculated GHG emissions from some of these products but not all.

---

**Agricultural commodities**
Other (Feed ingredients such as fats, proteins, used cooking oils, blood products, pet food ingredients, bakery by-product meals and insect fats and proteins.)

**Do you collect or calculate GHG emissions for this commodity?**

No, not currently but intend to collect or calculate this data within the next two years

**Please explain**
We take the meat by-products from the production of our animal-based diets, and process them to reclaim valuable and essential bio-nutrients, fats, oils, proteins, meals and more that are used daily in personal, commercial, and industrial products. Our natural and sustainable ingredients are marketed internationally to the pharmaceutical, food, animal feed, pet food, biofuel, fertilizer, sports nutrition and cosmetic industries. We have calculated GHG emissions from some of these products but not all.

---

**Agricultural commodities**
Other (Fuel Products such as green energy, green electricity, biogas, biodiesel and renewable diesel.)

**Do you collect or calculate GHG emissions for this commodity?**

No, not currently but intend to collect or calculate this data within the next two years

**Please explain**
We take the meat by-products from the production of our animal-based diets, and process them to reclaim valuable and essential bio-nutrients, fats, oils, proteins, meals and more that are used daily in personal, commercial, and industrial products. Our natural and sustainable ingredients are marketed internationally to the pharmaceutical, food, animal feed, pet food, biofuel, fertilizer, sports nutrition and cosmetic industries. We have calculated GHG emissions from some of these products but not all.
(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
0.155

Metric numerator (Gross global combined Scope 1 and 2 emissions, metric tons CO2e)
1741570.81

Metric denominator
Other, please specify (MT of raw material processed)

Metric denominator: Unit total
11260163

Scope 2 figure used
Location-based

% change from previous year
0.01

Direction of change
Decreased

Reason for change
Change is not substantive and reflects normal business operation and better data assurance.

Intensity figure
5.443

Metric numerator (Gross global combined Scope 1 and 2 emissions, metric tons CO2e)
1741570.81

Metric denominator
unit of production

Metric denominator: Unit total
319953

Scope 2 figure used
Location-based

% change from previous year
0.04

Direction of change
Decreased

Reason for change
Change is not substantive and reflects normal business operation and better data assurance.

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).

<table>
<thead>
<tr>
<th>Greenhouse gas</th>
<th>Scope 1 emissions (metric tons of CO2e)</th>
<th>GWP Reference</th>
</tr>
</thead>
<tbody>
<tr>
<td>CO2</td>
<td>1384506.891</td>
<td>IPCC Fifth Assessment Report (AR5 – 100 year)</td>
</tr>
<tr>
<td>CH4</td>
<td>1535.764</td>
<td>IPCC Fifth Assessment Report (AR5 – 100 year)</td>
</tr>
<tr>
<td>N2O</td>
<td>3751.975</td>
<td>IPCC Fifth Assessment Report (AR5 – 100 year)</td>
</tr>
<tr>
<td>HFCs</td>
<td>8.951</td>
<td>IPCC Fifth Assessment Report (AR5 – 100 year)</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Country/Region</th>
<th>Scope 1 emissions (metric tons CO2e)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Australia</td>
<td>1706.682</td>
</tr>
<tr>
<td>Belgium</td>
<td>57994.653</td>
</tr>
<tr>
<td>Brazil</td>
<td>1056.117</td>
</tr>
<tr>
<td>Canada</td>
<td>79852.053</td>
</tr>
<tr>
<td>China</td>
<td>171540.754</td>
</tr>
<tr>
<td>France</td>
<td>34005.516</td>
</tr>
<tr>
<td>Germany</td>
<td>8298.096</td>
</tr>
<tr>
<td>Italy</td>
<td>1908.94</td>
</tr>
<tr>
<td>Netherlands</td>
<td>119666.953</td>
</tr>
<tr>
<td>Poland</td>
<td>36212.105</td>
</tr>
<tr>
<td>Portugal</td>
<td>8.699</td>
</tr>
<tr>
<td>Spain</td>
<td>10392.694</td>
</tr>
<tr>
<td>United Kingdom of Great Britain and Northern Ireland</td>
<td>227.268</td>
</tr>
<tr>
<td>United States of America</td>
<td>665422.072</td>
</tr>
<tr>
<td>Other, please specify (No specific country (all facilities))</td>
<td>129510.579</td>
</tr>
</tbody>
</table>

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.

<table>
<thead>
<tr>
<th>Activity</th>
<th>Scope 1 emissions (metric tons CO2e)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stationary Combustion</td>
<td>1259961.701</td>
</tr>
<tr>
<td>Mobile Combustion (transport)</td>
<td>129832.929</td>
</tr>
<tr>
<td>Fugitive missions</td>
<td>8.551</td>
</tr>
</tbody>
</table>

C-AC7.4/C-FB7.4/C-PF7.4

(C-AC7.4/C-FB7.4/C-PF7.4) Do you include emissions pertaining to your business activity(ies) in your direct operations as part of your global gross Scope 1 figure?

Yes

C-AC7.4b/C-FB7.4b/C-PF7.4b

(C-AC7.4b/C-FB7.4b/C-PF7.4b) Report the Scope 1 emissions pertaining to your business activity(ies) and explain any exclusions. If applicable, disaggregate your agricultural/forestry by GHG emissions category.

Activity Processing/Manufacturing

Emissions category <Not Applicable>

Emissions (metric tons CO2e) 1259962

Methodology Default emissions factor

Please explain For the mechanical emissions figure, we accounted for the emissions from all the machinery in our processing operations. We used default emissions factors as inputs in the GHGs Accounting tool to calculate our total CO2e figure.

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

<table>
<thead>
<tr>
<th>Country/Region</th>
<th>Scope 2, location-based (metric tons CO2e)</th>
<th>Scope 2, market-based (metric tons CO2e)</th>
<th>Purchased and consumed electricity, heat, steam or cooling (MWh)</th>
<th>Purchased and consumed low-carbon electricity, heat, steam or cooling accounted for in Scope 2 market-based approach (MWh)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Australia</td>
<td>1921.336</td>
<td>1921.336</td>
<td>2669590</td>
<td></td>
</tr>
<tr>
<td>Belgium</td>
<td>10713.152</td>
<td>9616.51</td>
<td>51241592</td>
<td></td>
</tr>
<tr>
<td>Brazil</td>
<td>4103.244</td>
<td>4103.244</td>
<td>41123800</td>
<td></td>
</tr>
<tr>
<td>Canada</td>
<td>1688.751</td>
<td>1688.751</td>
<td>49021847.4</td>
<td></td>
</tr>
<tr>
<td>China</td>
<td>61625.718</td>
<td>61625.718</td>
<td>100588080</td>
<td></td>
</tr>
<tr>
<td>France</td>
<td>2893.811</td>
<td>2133.197</td>
<td>40381000</td>
<td></td>
</tr>
<tr>
<td>Germany</td>
<td>21050.96</td>
<td>32904.079</td>
<td>54012390</td>
<td></td>
</tr>
<tr>
<td>Italy</td>
<td>734.657</td>
<td>1228.149</td>
<td>2657600</td>
<td></td>
</tr>
<tr>
<td>Netherlands</td>
<td>60459.298</td>
<td>83711.405</td>
<td>150774310</td>
<td></td>
</tr>
<tr>
<td>Poland</td>
<td>13430.065</td>
<td>16088.146</td>
<td>19838152</td>
<td></td>
</tr>
<tr>
<td>Portugal</td>
<td>45.198</td>
<td>39.429</td>
<td>154000</td>
<td></td>
</tr>
<tr>
<td>Spain</td>
<td>3121.314</td>
<td>4284.996</td>
<td>12504000</td>
<td></td>
</tr>
<tr>
<td>United Kingdom of Great Britain and Northern Ireland</td>
<td>444.886</td>
<td>681.795</td>
<td>1962000</td>
<td></td>
</tr>
<tr>
<td>United States of America</td>
<td>169535.243</td>
<td>184690.339</td>
<td>398032734.97</td>
<td></td>
</tr>
</tbody>
</table>

### Indicate which gross global Scope 2 emissions breakdowns you are able to provide.

By activity

### Break down your total gross global Scope 2 emissions by business activity.

<table>
<thead>
<tr>
<th>Activity</th>
<th>Scope 2, location-based (metric tons CO2e)</th>
<th>Scope 2, market-based (metric tons CO2e)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Purchased Electricity</td>
<td>351767.633</td>
<td>404737.003</td>
</tr>
</tbody>
</table>

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

**Decreased**

### 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.

<table>
<thead>
<tr>
<th>Change in emissions (metric tons CO2e)</th>
<th>Direction of change</th>
<th>Emissions value (percentage)</th>
<th>Please explain calculation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Change in renewable energy consumption</td>
<td>&lt;Not Applicable&gt;</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Other emissions reduction activities</td>
<td>&lt;Not Applicable&gt;</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Divestment</td>
<td>&lt;Not Applicable&gt;</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Acquisitions</td>
<td>&lt;Not Applicable&gt;</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mergers</td>
<td>&lt;Not Applicable&gt;</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Change in output</td>
<td>&lt;Not Applicable&gt;</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Change in methodology</td>
<td>&lt;Not Applicable&gt;</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Change in boundary</td>
<td>&lt;Not Applicable&gt;</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Change in physical operating conditions</td>
<td>41206.605</td>
<td>Decreased</td>
<td>0.0231</td>
</tr>
<tr>
<td>Change is not substantive and we interpret a fluctuation is due to normal business variation and improved data assurance.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Unidentified</td>
<td>&lt;Not Applicable&gt;</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Other</td>
<td>&lt;Not Applicable&gt;</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
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?

Location-based

C8. Energy

C8.1

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

More than 5% but less than or equal to 10%

C8.2

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

<table>
<thead>
<tr>
<th>Activity</th>
<th>Indicate whether your organization undertook this energy-related activity in the reporting year</th>
</tr>
</thead>
<tbody>
<tr>
<td>Consumption of fuel (excluding feedstocks)</td>
<td>Yes</td>
</tr>
<tr>
<td>Consumption of purchased or acquired electricity</td>
<td>Yes</td>
</tr>
<tr>
<td>Consumption of purchased or acquired heat</td>
<td>No</td>
</tr>
<tr>
<td>Consumption of purchased or acquired steam</td>
<td>No</td>
</tr>
<tr>
<td>Consumption of purchased or acquired cooling</td>
<td>No</td>
</tr>
<tr>
<td>Generation of electricity, heat, steam, or cooling</td>
<td>Yes</td>
</tr>
</tbody>
</table>

C8.2a

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

<table>
<thead>
<tr>
<th>Activity</th>
<th>Heating value</th>
<th>MWh from renewable sources</th>
<th>MWh from non-renewable sources</th>
<th>Total (renewable and non-renewable) MWh</th>
</tr>
</thead>
<tbody>
<tr>
<td>Consumption of fuel (excluding feedstocks)</td>
<td>HHV (higher heating value)</td>
<td>398014.23</td>
<td>7046719.3</td>
<td>7444733.53</td>
</tr>
<tr>
<td>Consumption of purchased or acquired electricity</td>
<td>&lt;Not Applicable&gt;</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Consumption of purchased or acquired heat</td>
<td>&lt;Not Applicable&gt;</td>
<td></td>
<td>933502</td>
<td></td>
</tr>
<tr>
<td>Consumption of purchased or acquired steam</td>
<td>&lt;Not Applicable&gt;</td>
<td></td>
<td>&lt;Not Applicable&gt;</td>
<td></td>
</tr>
<tr>
<td>Consumption of purchased or acquired cooling</td>
<td>&lt;Not Applicable&gt;</td>
<td></td>
<td>&lt;Not Applicable&gt;</td>
<td></td>
</tr>
<tr>
<td>Consumption of self-generated non-fuel renewable energy</td>
<td>&lt;Not Applicable&gt;</td>
<td></td>
<td>&lt;Not Applicable&gt;</td>
<td></td>
</tr>
<tr>
<td>Total energy consumption</td>
<td>&lt;Not Applicable&gt;</td>
<td>398014.23</td>
<td>7980221.3</td>
<td>8378235.53</td>
</tr>
</tbody>
</table>

C8.2b

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

<table>
<thead>
<tr>
<th>Activity</th>
<th>Indicate whether your organization undertakes this fuel application</th>
</tr>
</thead>
<tbody>
<tr>
<td>Consumption of fuel for the generation of electricity</td>
<td>Yes</td>
</tr>
<tr>
<td>Consumption of fuel for the generation of heat</td>
<td>Yes</td>
</tr>
<tr>
<td>Consumption of fuel for the generation of steam</td>
<td>No</td>
</tr>
<tr>
<td>Consumption of fuel for the generation of cooling</td>
<td>No</td>
</tr>
<tr>
<td>Consumption of fuel for co-generation or tri-generation</td>
<td>No</td>
</tr>
</tbody>
</table>

C8.2c

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

Fuels (excluding feedstocks)

<table>
<thead>
<tr>
<th>Fuel Type</th>
<th>Heating value</th>
<th>Total fuel MWh consumed by the organization</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wood</td>
<td>HHV (higher heating value)</td>
<td>314587.6</td>
</tr>
<tr>
<td>Fuel Type</td>
<td>MWh fuel consumed for self-generation of electricity</td>
<td>MWh fuel consumed for self-generation of heat</td>
</tr>
<tr>
<td>-----------------------------------------------</td>
<td>------------------------------------------------------</td>
<td>-----------------------------------------------</td>
</tr>
<tr>
<td>Coal</td>
<td>314587.6</td>
<td>&lt;Not Applicable&gt;</td>
</tr>
<tr>
<td>Emission factor</td>
<td>1.1556</td>
<td></td>
</tr>
<tr>
<td>Unit</td>
<td>kg CO2e per million Btu</td>
<td></td>
</tr>
<tr>
<td>Comment</td>
<td>Wood and Wood Residuals</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Fuel Type</th>
<th>MWh fuel consumed for self-generation of electricity</th>
<th>MWh fuel consumed for self-generation of heat</th>
<th>MWh fuel consumed for self-generation of steam</th>
<th>MWh fuel consumed for self-generation of cooling</th>
<th>MWh fuel consumed for self-cogeneration or self-trigeneration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Diesel</td>
<td>509384</td>
<td>509384</td>
<td>&lt;Not Applicable&gt;</td>
<td>&lt;Not Applicable&gt;</td>
<td>&lt;Not Applicable&gt;</td>
</tr>
<tr>
<td>Emission factor</td>
<td>95.402</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Unit</td>
<td>kg CO2e per million Btu</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Comment</td>
<td>Mixed (Industrial Sector)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Fuel Type</th>
<th>MWh fuel consumed for self-generation of electricity</th>
<th>MWh fuel consumed for self-generation of heat</th>
<th>MWh fuel consumed for self-generation of steam</th>
<th>MWh fuel consumed for self-generation of cooling</th>
<th>MWh fuel consumed for self-cogeneration or self-trigeneration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Diesel</td>
<td>66477</td>
<td>66477</td>
<td>&lt;Not Applicable&gt;</td>
<td>&lt;Not Applicable&gt;</td>
<td>&lt;Not Applicable&gt;</td>
</tr>
<tr>
<td>Emission factor</td>
<td>10.21648</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Unit</td>
<td>kg CO2e per gallon</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Emissions factor source

Comment
Diesel Light-duty trucks

Fuels (excluding feedstocks)
Diesel

Heating value
HHV (higher heating value)

Total fuel MWh consumed by the organization
414474

MWh fuel consumed for self-generation of electricity
414474

MWh fuel consumed for self-generation of heat

MWh fuel consumed for self-generation of steam

MWh fuel consumed for self-generation of cooling

MWh fuel consumed for self-co-generation or self-trigeneration

Emission factor
10.22169

Unit
kg CO2e per gallon

Emissions factor source

Comment
Diesel Medium- and Heavy-duty Vehicles

Fuels (excluding feedstocks)
Fuel Oil Number 2

Heating value
HHV (higher heating value)

Total fuel MWh consumed by the organization
37

MWh fuel consumed for self-generation of electricity
37

MWh fuel consumed for self-generation of heat

MWh fuel consumed for self-generation of steam

MWh fuel consumed for self-generation of cooling

MWh fuel consumed for self-co-generation or self-trigeneration

Emission factor
10.24268

Unit
kg CO2e per gallon

Emissions factor source

Comment
Distillate Fuel Oil No. 2

Fuels (excluding feedstocks)
Biodiesel

Heating value
HHV (higher heating value)

Total fuel MWh consumed by the organization
3510

MWh fuel consumed for self-generation of electricity
MWh fuel consumed for self-generation of heat
3510
MWh fuel consumed for self-generation of steam
<Not Applicable>
MWh fuel consumed for self-generation of cooling
<Not Applicable>
MWh fuel consumed for self-cogeneration or self-trigeneration
<Not Applicable>
Emission factor
0.00657
Unit
kg CO2 per gallon
Emissions factor source
Comment
Biodiesel (100%)

Fuels (excluding feedstocks)
Jet Kerosene
Heating value
HHV (higher heating value)
Total fuel MWh consumed by the organization
28943
MWh fuel consumed for self-generation of electricity
28943
MWh fuel consumed for self-generation of heat
28943
MWh fuel consumed for self-generation of steam
<Not Applicable>
MWh fuel consumed for self-generation of cooling
<Not Applicable>
MWh fuel consumed for self-cogeneration or self-trigeneration
<Not Applicable>
Emission factor
9.8295
Unit
kg CO2e per gallon
Emissions factor source
Comment
Kerosene-Type Jet Fuel

Fuels (excluding feedstocks)
Natural Gas
Heating value
HHV (higher heating value)
Total fuel MWh consumed by the organization
6022812.4
MWh fuel consumed for self-generation of electricity
6022812.4
MWh fuel consumed for self-generation of heat
6022812.4
MWh fuel consumed for self-generation of steam
<Not Applicable>
MWh fuel consumed for self-generation of cooling
<Not Applicable>
MWh fuel consumed for self-cogeneration or self-trigeneration
<Not Applicable>
Emission factor
0.53115
Unit
kg CO2e per million Btu
Emissions factor source
CDP

### Comment

**Fuels (excluding feedstocks)**

**Biogas**

**Heating value**

HHV (higher heating value)

**Total fuel MWh consumed by the organization**

24845

**MWh fuel consumed for self-generation of electricity**

24845

**MWh fuel consumed for self-generation of heat**

24845

**MWh fuel consumed for self-generation of steam**

<Not Applicable>

**MWh fuel consumed for self-generation of cooling**

<Not Applicable>

**MWh fuel consumed for self-cogeneration or self-trigeneration**

<Not Applicable>

**Emission factor**

0.25655

**Unit**

kg CO2e per million Btu

**Emissions factor source**


**Comment**

Other Biomass Gases

---

**Fuels (excluding feedstocks)**

**Propane Liquid**

**Heating value**

HHV (higher heating value)

**Total fuel MWh consumed by the organization**

4592

**MWh fuel consumed for self-generation of electricity**

4592

**MWh fuel consumed for self-generation of heat**

4592

**MWh fuel consumed for self-generation of steam**

<Not Applicable>

**MWh fuel consumed for self-generation of cooling**

<Not Applicable>

**MWh fuel consumed for self-cogeneration or self-trigeneration**

<Not Applicable>

**Emission factor**

5.74081

**Unit**

kg CO2e per gallon

**Emissions factor source**


**Comment**

Propane

---

**Fuels (excluding feedstocks)**

**General Municipal Waste**

**Heating value**

HHV (higher heating value)

**Total fuel MWh consumed by the organization**

48549

**MWh fuel consumed for self-generation of electricity**

48549

**MWh fuel consumed for self-generation of heat**

48549
MWh fuel consumed for self-generation of steam
<Not Applicable>

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

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

Emission factor
20.034

Unit
kg CO2e per short ton

Emissions factor source
EPA, “Emission Factors for Greenhouse Gas Inventories,” Table 1 Stationary Combustion Emission Factors, March 26, 2020

Comment
Paper, but categorized as Municipal Solid Waste

Fuels (excluding feedstocks)
Animal Fat

Heating value
HHV (higher heating value)

Total fuel MWh consumed by the organization
6522.1

MWh fuel consumed for self-generation of electricity
MWh fuel consumed for self-generation of heat
6522.1

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

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

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

Emission factor
0.05995

Unit
kg CO2e per million Btu

Emissions factor source
EPA, “Emission Factors for Greenhouse Gas Inventories,” Table 1 Stationary Combustion Emission Factors, March 26, 2020

Comment
Rendered Animal Fat

C8.2d

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

<table>
<thead>
<tr>
<th></th>
<th>Total Gross generation (MWh)</th>
<th>Generation that is consumed by the organization (MWh)</th>
<th>Gross generation from renewable sources (MWh)</th>
<th>Generation from renewable sources that is consumed by the organization (MWh)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Electricity</td>
<td>59837</td>
<td>0</td>
<td>59837</td>
<td>0</td>
</tr>
<tr>
<td>Heat</td>
<td>6934839.47</td>
<td>6934839.47</td>
<td>398014.23</td>
<td>398014.23</td>
</tr>
<tr>
<td>Steam</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cooling</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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.

Sourcing method
None (no purchases of low-carbon electricity, heat, steam or cooling)

Low-carbon technology type
<Not Applicable>

Country/area of consumption of low-carbon electricity, heat, steam or cooling
<Not Applicable>

MWh consumed accounted for at a zero emission factor
<Not Applicable>

Comment

C9. Additional metrics

C9.1

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

C10. Verification

C10.1

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

<table>
<thead>
<tr>
<th>Scope</th>
<th>Verification/assurance status</th>
</tr>
</thead>
<tbody>
<tr>
<td>Scope 1</td>
<td>No third-party verification or assurance</td>
</tr>
<tr>
<td>Scope 2 (location-based or market-based)</td>
<td>No third-party verification or assurance</td>
</tr>
<tr>
<td>Scope 3</td>
<td>No third-party verification or assurance</td>
</tr>
</tbody>
</table>

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)?
Yes

C11.1a

(C11.1a) Select the carbon pricing regulation(s) which impacts your operations.
Canada federal fuel charge
Other carbon tax, please specify (Quebec CaT)
Other carbon tax, please specify (Nova Scotia CaT)

C11.1c
(C11.1c) Complete the following table for each of the tax systems you are regulated by.

Canada federal fuel charge

Period start date
January 1 2020

Period end date
December 31 2020

% of total Scope 1 emissions covered by tax

Total cost of tax paid

Comment

Other carbon tax, please specify

Period start date
January 1 2020

Period end date
December 31 2020

% of total Scope 1 emissions covered by tax

Total cost of tax paid

Comment

Quebec CaT

Other carbon tax, please specify

Period start date
January 1 2020

Period end date
December 31 2020

% of total Scope 1 emissions covered by tax

Total cost of tax paid

Comment

Nova Scotia CaT

C11.1d

(C11.1d) What is your strategy for complying with the systems you are regulated by or anticipate being regulated by?

Our strategy would include primarily efficiency upgrades and then purchase of carbon credits as needed. We are in the process of creating an internal carbon price as a tool to help manage future potential carbon costs.

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?

Yes

C11.3a
(C11.3a) Provide details of how your organization uses an internal price on carbon.

Objective for implementing an internal carbon price
- Drive energy efficiency

GHG Scope
- Please select

Application
- We would use the existing carbon prices applied through the Carbon Tax or Cap & Trade when evaluating payback for energy efficiency/equipment upgrade projects.

Actual price(s) used (Currency / metric ton)

Variance of price(s) used

Type of internal carbon price
- Please select

Impact & implication

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
- Please select

% of customers by number
- 10

% of customer-related Scope 3 emissions as reported in C6.5
- <Not Applicable>

Portfolio coverage (total or outstanding)
- Please explain the rationale for selecting this group of customers and scope of engagement
- We have engaged with select customers regarding carbon footprint of our petfood ingredients to determine interest in low-carbon footprint ingredients.

Impact of engagement, including measures of success
- We have planted the seed and started customers thinking about this aspect of their finished product and how our low carbon footprint ingredients play a significant role.

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?
- Trade associations
- Funding research organizations

C12.3b

(C12.3b) Are you on the board of any trade associations or do you provide funding beyond membership?
- Yes
Enter the details of those trade associations that are likely to take a position on climate change legislation.

**Trade association**
North American Renderers Association

**Is your position on climate change consistent with theirs?**
Consistent

**Please explain the trade association’s position**
As Congress continues to consider the implementation of a national cap and trade scheme, the rendering industry should be considered a viable source of emission offsets. Allowing the rendering industry to participate would create financial incentives for farmers and ranchers to properly dispose of dead animals while avoiding additional greenhouse gases, reducing concerns over the spread of disease and freeing up limited landfill space. Also, discriminating against products already recycled through rendering as “not new,” but recognizing protocols for placing fallen animals in anaerobic digesters or in landfills to trap and burn off the methane produced as “new” would put rendering at a competitive disadvantage and result in the disposal of these organic materials rather than directing them to their highest and best use through recycling, which is also more environmentally advantageous. The result would be awarding offsets for shifting carbon from recycling to disposal with no net reduction (and a probable increase) in greenhouse gas emissions.

**How have you influenced, or are you attempting to influence their position?**
Yes, we support the position of the NARA.

**Trade association**
American Feed Industry Association

**Is your position on climate change consistent with theirs?**
Consistent

**Please explain the trade association’s position**
They value working with reliable partners to adopt sustainable practices that help us protect the environment for current and future generations.

**How have you influenced, or are you attempting to influence their position?**
Yes, we support the position of AFIA

**Trade association**
US Roundtable for Sustainable Poultry and Eggs

**Is your position on climate change consistent with theirs?**
Consistent

**Please explain the trade association’s position**
They believe sustainability success starts with measurement and is improved by investing in work that improves sustainability for our poultry, our planet and its people.

**How have you influenced, or are you attempting to influence their position?**
Yes, we support the position of US-RSPE

(C12.3d) Do you publicly disclose a list of all research organizations that you fund?
Yes

(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?
Any such activities, should they occur, are coordinated through our executive leadership team, and/or our Board of Directors, which ensure consistency with our overall climate change strategy.

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**
In voluntary sustainability report

**Status**
Underway – previous year attached

**Attach the document**
Darling_II_ESG_Report_6-2021.pdf

**Page/Section reference**
Pages 7-22, ESG Report

**Content elements**
Governance
Emissions figures
Other metrics

**Comment**
Our 2021 ESG Factsheet with 2020 climate related metrics will be due out Sept. 1, 2021, which will include strategy, energy and water intensity targets.

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C15. Signoff

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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.

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C15.1

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

<table>
<thead>
<tr>
<th>Row</th>
<th>Job title</th>
<th>Corresponding job category</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Vice President Global Communications &amp; Sustainability</td>
<td>Other, please specify (Officer of the Company)</td>
</tr>
</tbody>
</table>

---

SC. Supply chain module

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SC0.0
At Darling Ingredients, we create sustainable food, feed and fuel ingredient solutions. We take the meat by-products from our animal-based diets, and process them to reclaim valuable and essential bio-nutrients, fats, oils, proteins, meals and more that are used daily in personal, commercial, and industrial products. Our natural and sustainable ingredients are marketed internationally to the pharmaceutical, food, animal feed, pet food, biofuel, fertilizer, sports nutrition and cosmetic industries. Our Feed and Pet Food solutions, by re-purposing organic bio-nutrient residuals, have grown into one of the world's leading suppliers of natural, sustainable feed ingredients. Additionally, the safe processing of organic meat co-products and animal mortalities has proven to be the most secure and efficient way of handling these materials, as compared to other methods which can harm the environment through the release of methane gases and pathogens. What we do and how we do it helps protect the world's food chain from farm to table. Through our bio-security standards at our processing facilities, our customers can be assured that our food ingredients are fully traceable and our products and processes are fully compliant with food safety regulations. Our industry is often referred to as “the gatekeeper,” keeping our food chain safe from harmful materials. By processing unconsumed meat co-products into usable ingredients rather than disposing of them in landfills or compost piles, our facilities prevent more greenhouse gases from being released into the air rather than what they add to it during operations. By re-purposing this material, we also help protect our land and groundwater from pathogens that occur during nature’s decomposition process. And, by ensuring our feed ingredients are traceable and safe, we protect the livestock that start this food cycle in motion. Through our secure operations, we are able to provide the world’s food manufacturers and supply chains with a range of safe and tested food ingredients and products that are sustainable and natural, and economically and ecologically viable. We're the world’s leading supplier of gelatin and collagen peptides. We provide global food and meat manufacturers with safe, fully traceable sausage casings and meat co-products. We contribute to innovative, healthy food concepts through our natural proteins and other natural dietary supplements. Darling Ingredients has taken the lead in developing new opportunities in renewable energy. Whether from re-purposed animal fats, organic residuals or the oil and grease we collect from restaurants, our energy solutions are one more contribution towards a paradigm shift in the world’s long-term energy balance. Our many years of experience in acquiring organic co-products and residuals and converting them into innovative, high-value products have positioned us as a global leader in renewable energy development. We were the first in the USA to pioneer the commercial production of biodiesel utilizing animal fats and used cooking oils. In 2001, we became Canada's first producer of biodiesel from animal fats and cooking oils. In 2013, together with Valero Energy Corporation, we constructed North America's largest facility to convert animal fats into usable ingredients for feed rations. In Europe, we are leading the way with innovative biofuel and renewable energy solutions. At Darling Ingredients, we have over a century of experience in making the world a greener place. As an innovative developer of organic fertilizers, we take ‘going green’ quite literally, re-purposing industrial residuals and meat co-products into nutritional, life-sustaining solutions for horticultural gardens, organic farming, healthy sports turf and more. Using our fertilizer and soil enrichment solutions result in higher yields on conventional and organic farms, as well as greener golf courses, sports turf and lawns. We can also help to improve phosphate balances in agriculture. Developing these resources from residuals also means we make operations cleaner, smoother and more sustainable for a variety of industries. Our methods for storing, collecting and re-purposing these residuals demonstrate how our company serves as a leading steward of our planet’s natural resources. Commercial bakeries and snack manufacturers throughout North America rely on us for the full-service management of their residuals. Bakery Feeds we re-purpose them into a sustainable, quality ingredient for feed rations. Our services unburden the bakery and snack industry, add value to the feed industry, and improve the sustainability performance of both.

---

**SC0.1**

**SC0.1** What is your company’s annual revenue for the stated reporting period?

<table>
<thead>
<tr>
<th>Annual Revenue</th>
</tr>
</thead>
<tbody>
<tr>
<td>3571923000</td>
</tr>
</tbody>
</table>

**SC0.2**

**SC0.2** Do you have an ISIN for your company that you would be willing to share with CDP?

Yes

**SC0.2a**

**SC0.2a** Please use the table below to share your ISIN.

<table>
<thead>
<tr>
<th>ISIN country code (2 letters)</th>
<th>ISIN numeric identifier and single check digit (10 numbers overall)</th>
</tr>
</thead>
<tbody>
<tr>
<td>US</td>
<td>2372661015</td>
</tr>
</tbody>
</table>

**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.

**SC1.2**

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

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

<table>
<thead>
<tr>
<th>Allocation challenges</th>
<th>Please explain what would help you overcome these challenges</th>
</tr>
</thead>
<tbody>
<tr>
<td>Diversity of product lines makes accurately accounting for each product/product line cost ineffective</td>
<td>We are in the process of developing product specific carbon footprints for select finished products. The difficulty lies in collecting specific input data.</td>
</tr>
</tbody>
</table>

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

SC1.4a Describe how you plan to develop your capabilities.
We are in the process of collecting product specific production data to aid in the accurate determination of specific product carbon footprints.

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

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

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

<table>
<thead>
<tr>
<th>I am submitting to</th>
<th>Public or Non-Public Submission</th>
<th>Are you ready to submit the additional Supply Chain questions?</th>
</tr>
</thead>
<tbody>
<tr>
<td>I am submitting my response</td>
<td>Investors, Customers</td>
<td>Public</td>
</tr>
</tbody>
</table>

Please confirm below
I have read and accept the applicable Terms