

## Welcome to your CDP Climate Change Questionnaire 2022

**Respondent: EnerSys Inc.**

### **C0. Introduction**

#### **C0.1**

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

**EnerSys is a stored energy solutions provider for industrial applications. Among our products, we provide application-specific batteries, high-efficiency, and reliable chargers, monitoring and fleet management, complete energy systems, and a full range of services that ensure power delivery.**

**The company and our predecessor companies have been manufacturers of industrial batteries for over 100 years. With global manufacturing and operations serving over 10,000 customers in 100 countries, EnerSys is a recognized global leader for stored energy**

solutions and systems. Headquartered in the United States, with regional headquarters in Europe and Asia, EnerSys employs over nine thousand people and operates 32 manufacturing and assembly facilities worldwide.

Reliability, resilience, and sustainability are at the core of EnerSys’ beliefs since our products help address some of our world’s most significant challenges, such as efficient and affordable distribution of goods, grid reliability, telecommunications, medical safety, and even climate change. Moreover, our batteries and energy storage solutions are part of building a resilient, low-carbon future.

The company’s commitment to sustainability encompasses many important environmental, social, and governance issues. Sustainability is central to how EnerSys manages our operations. Minimizing our environmental footprint is a priority. Sustainability is our commitment to our employees, customers, and the communities we serve. Our products facilitate positive environmental, social, and economic impacts worldwide.

## C0.2

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

	Start date	End date	Indicate if you are providing emissions data for past reporting years	Select the number of past reporting years you will be providing emissions data for
Reporting year	January 1, 2021	December 31, 2021	Yes	3 years

## C0.3

**(C0.3) Select the countries/areas in which you operate.**

- Argentina
- Australia
- Austria
- Belgium
- Brazil
- Bulgaria

Canada  
Chile  
China  
Czechia  
Finland  
France  
Germany  
Greece  
Hungary  
India  
Italy  
Japan  
Kazakhstan  
Luxembourg  
Malaysia  
Mexico  
Morocco  
Netherlands  
New Zealand  
Philippines  
Poland  
Russian Federation  
Singapore  
Slovakia  
Spain  
Sweden  
Switzerland  
Turkey  
Ukraine  
United Arab Emirates

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

## C0.8

**(C0.8) Does your organization have an ISIN code or another unique identifier (e.g., Ticker, CUSIP, etc.)?**

Indicate whether you are able to provide a unique identifier for your organization	Provide your unique identifier
Yes, a Ticker symbol	ENS

# C1. Governance

## C1.1

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

Yes

## C1.1a

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

Position of individual(s)	Please explain
Chief Executive Officer (CEO)	<p>The Board of Directors, along with the CEO, are responsible for administering the Sustainability Program, by which EnerSys communicates and monitors information regarding compliance with our various policies. This includes oversight over its policies and programs including conflict minerals, environmental responsibility, climate change, supply chain, human rights, battery recycling and all other sustainability topics.</p> <p>Our ESG Steering Committee, comprised of members of senior management and subject matter experts, meets quarterly. We also maintain a talented sustainability team, which leads all efforts concerning climate change management, product sustainability, operations, supply chain management, workforce health and safety, diversity, equity, inclusion, and community engagement.</p> <p>The EnerSys climate commitment is codified in its Climate Change Policy, which sets forth how it, as an organization, plans to address emissions reduction and the mitigation of climate risk across the enterprise. The Climate Change Policy is administered and governed by the CEO. The management team is charged with monitoring, developing, implementing, and improving the environmental programs and procedures at the facilities worldwide. Each employee at EnerSys is ultimately responsible for the success of supporting the Climate Change Policy</p>
Board-level committee	<p>The Board of Directors, along with the CEO, are responsible for administering the Sustainability Program, by which EnerSys communicates and monitors information regarding compliance with our various policies. This includes oversight over its policies and programs including conflict minerals, environmental responsibility, climate change, supply chain, human rights, battery recycling and all other sustainability topics.</p> <p>Our ESG Steering Committee, comprised of members of senior management and subject matter experts, meets quarterly. We also maintain a talented sustainability team, which leads all efforts concerning climate change management, product sustainability,</p>

	<p>operations, supply chain management, workforce health and safety, diversity, equity, inclusion, and community engagement.</p> <p>The EnerSys climate commitment is codified in its Climate Change Policy, which sets forth how it, as an organization, plans to address emissions reduction and the mitigation of climate risk across the enterprise. The Climate Change Policy is administered and governed by the CEO. The management team is charged with monitoring, developing, implementing, and improving the environmental programs and procedures at the facilities worldwide. Each employee at EnerSys is ultimately responsible for the success of supporting the Climate Change Policy</p>
<p>Other, please specify</p> <p>Board of Directors</p>	<p>The Board of Directors, along with the CEO, are responsible for administering the Sustainability Program, by which EnerSys communicates and monitors information regarding compliance with our various policies. This includes oversight over its policies and programs including conflict minerals, environmental responsibility, climate change, supply chain, human rights, battery recycling and all other sustainability topics.</p> <p>Our ESG Steering Committee, comprised of members of senior management and subject matter experts, meets quarterly. We also maintain a talented sustainability team, which leads all efforts concerning climate change management, product sustainability, operations, supply chain management, workforce health and safety, diversity, equity, inclusion, and community engagement.</p> <p>The EnerSys climate commitment is codified in its Climate Change Policy, which sets forth how it, as an organization, plans to address emissions reduction and the mitigation of climate risk across the enterprise. The Climate Change Policy is administered and governed by the CEO. The management team is charged with monitoring, developing, implementing, and improving the environmental programs and procedures at the facilities worldwide. Each employee at EnerSys is ultimately responsible for the success of supporting the Climate Change Policy</p>

## C1.1b

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

Frequency with which climate-related issues are a scheduled agenda item	Governance mechanisms into which climate-related issues are integrated	Please explain

<p>Scheduled – all meetings</p>	<p>Reviewing and guiding strategy          Reviewing and guiding major plans of action          Reviewing and guiding risk management policies          Reviewing and guiding annual budgets          Reviewing and guiding business plans          Setting performance objectives          Monitoring implementation and performance of objectives          Overseeing major capital expenditures, acquisitions and divestitures          Monitoring and overseeing progress against goals and targets for addressing climate-related issues</p>	<p>At least quarterly Senior. Management Line of Business meetings, report to the Risk Committee, that reports to the Audit Committee, and ultimately the board. The Chair of each Board Committee regularly communicates with the Independent Non-Executive Chair of the Board and there is open communication between Directors and the CEO outside of reporting during a quarterly meeting. The Board and Committee agendas are established by each of their set Annual Calendars, and any ad hoc items are included and addressed as needed. The Independent Non-Executive Chair of the Board establishes the agenda for Board meetings and distributes it in advance to each Director. Such agenda reflects suggested agenda items requested to be included therein by any Director. Directors are encouraged to suggest items for inclusion on the agenda and may raise any other subject not specifically on the agenda for consideration and action at any meeting.</p> <p>Agenda items that fall within the scope of responsibilities of a Board committee are reviewed with the chair of that committee.</p> <p>As part of our Enterprise Risk Management process, EnerSys evaluates all risks that have the potential to impact its business, including climate change. The Quality and Sustainability Function is responsible for bringing these risks to the risk management process. The Executive Leadership Team is responsible for reviewing these risks and overseeing how they are managed. The Board oversees various risks affecting EnerSys through its committees. EnerSys has in place a risk management program, that, among other things, is designed to identify risks across the company with input from each business unit and function. Material risks are identified and prioritized by management and its risk committee that reports to the Audit Committee, and each prioritized risk is referred to the appropriate committee of the Board for oversight.</p> <p>The Board considers sustainability issues on a quarterly basis.</p>
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## C1.1d

**(C1.1d) Does your organization have at least one board member with competence on climate-related issues?**

**Board member(s) have competence on climate-related issues**

Row 1	Not assessed
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## C1.2

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

Name of the position(s) and/or committee(s)	Responsibility	Frequency of reporting to the board on climate-related issues
Chief Executive Officer (CEO)	Both assessing and managing climate-related risks and opportunities	Quarterly
Other C-Suite Officer, please specify Chief Legal Officer / General Counsel	Both assessing and managing climate-related risks and opportunities	More frequently than quarterly
Risk committee	Assessing climate-related risks and opportunities	Quarterly
Sustainability committee	Both assessing and managing climate-related risks and opportunities	Quarterly
Other, please specify Senior Director, Global Sustainability	Other, please specify monitoring, developing, implementing, and improving the environmental programs and procedures	More frequently than quarterly

## C1.2a

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

EnerSys addresses climate-related issues focusing on 4 key issues:

- 1. Governance:** The CEO administers and governs the Climate Change Policy, which sets how the organization plans to address emissions reduction and mitigation of climate risk. The management team is charged with monitoring, developing, implementing, and improving the environmental programs and procedures. Ultimately, employees at EnerSys are responsible for this policy as well.

2. **Metrics and targets:** In order to understand, measure and communicate the full lifecycle carbon footprint of the products, and develop ambition and achievable carbon reduction goals.
3. **Strategy:** Continue investment in products and services that enable low-carbon energy solutions.
4. **Risk management:** The risk management process includes climate risk assessment. The Quality and Sustainability Function is responsible for bringing these risks to the risk management process. The Executive Leadership Team is responsible for reviewing these risks and overseeing how they are managed. The Board oversees various risks affecting EnerSys through its committees. EnerSys has in place an Enterprise Risk Management program, that, among other things, is designed to identify risks across the company with input from each business unit and function. Material risks are identified and prioritized by management and its risk committee that reports to the Audit Committee, and each prioritized risk is referred to the appropriate committee of the Board for oversight.

The Board of Directors, along with the CEO, are responsible for administering the Sustainability Program, by which EnerSys communicates and monitors their information regarding compliance with their various policies. This includes oversight over policies and programs including conflict minerals, environmental responsibility, climate change, supply chain, human rights, battery recycling, and all other sustainability topics.

Furthermore, EnerSys has a full-time Sustainability team. This team is responsible for further accelerating the sustainability strategy that enables the company to take the steps needed to further embed responsible behaviors into all aspects of the business. Proactively addressing issues like climate change, diversity, equity, and inclusion, and investing in our communities are becoming expectations for companies like EnerSys.

## C1.3

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

	<b>Provide incentives for the management of climate-related issues</b>	<b>Comment</b>
Row 1	No, not currently but we plan to introduce them in the next two years	In our most recent fiscal year our CEO was incentivized to improve external ESG scores. We plan to introduce more specific goals, which may include climate, in the future.

## C2. Risks and opportunities

### C2.1

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

Yes

#### C2.1a

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

	From (years)	To (years)	Comment
Short-term	0	5	EnerSys applies a present to 5-year horizon to short-term climate-related assessments and strategies
Medium-term	5	10	EnerSys applies a 5 to 10-year horizon to medium-term climate-related assessments and strategies.
Long-term	10	30	EnerSys consider long-term climate-related assessments and strategy as 10 years or longer. 30 is chosen as a placeholder as there is no greater than option.

#### C2.1b

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

We define a substantive financial or strategic impact as anything that significantly affects our financial position or ability to manufacture or sell our products.

## C2.2

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

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#### **Value chain stage(s) covered**

Direct operations  
Upstream  
Downstream

#### **Risk management process**

Integrated into multi-disciplinary company-wide risk management process

#### **Frequency of assessment**

More than once a year

#### **Time horizon(s) covered**

Short-term  
Medium-term  
Long-term

#### **Description of process**

The Board of Directors, including our CEO, oversees the administration of our Sustainability Program and considers sustainability issues quarterly. The Nomination and Corporate Governance Committee has specific responsibilities to assist the Board in fulfilling its oversight responsibilities relating to the Company's policies and practices regarding sustainability matters – including climate change - that are significant to the Company.

The Audit Committee and the entire Board are also directly engaged with Environmental, Social and Governance (ESG) risk areas through our comprehensive Enterprise Risk Management program. The Board of Directors and our CEO administer our ESG Program by which EnerSys communicates and monitors our information regarding compliance with our various policies, including those for climate change.

The Corporate Risk Committee meets quarterly and also assesses all material risk to the company, including short, medium and long-term climate risk.

Climate change has the potential to disrupt the global economy. We work to address the potential negative impacts of climate change on our business while providing products that can help mitigate the effects associated with climate change. Our ESG Steering Committee consists of senior management and subject matter experts and meets quarterly. We also maintain a talented sustainability team, which leads our significant efforts concerning climate change management.

In 2022 we implemented a climate-related risk and opportunity (physical and transition) assessment process. As a provider of energy storage and services with customers and operations around the world, we believe climate change will present both risks and opportunities. Our products help tackle some of our world's most significant challenges, be it addressing the impacts of climate change, decarbonization, efficient and affordable distribution of goods, grid reliability, telecommunications, and even medical safety. Our batteries and energy storage solutions are part of building a resilient, low-carbon future.

The assessment and corresponding management analysis and response mechanisms are being designed according to best practice and aligned with the TCFD.

## C2.2a

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

	Relevance & inclusion	Please explain
Current regulation	Relevant, always included	EnerSys considers physical and transition climate risk at the international, national, regional and local levels. The EnerSys Board oversees various risks potentially affecting EnerSys both directly and indirectly through its committees, primarily through the Audit Committee. Our Enterprise Risk Management program is designed to identify risks across EnerSys. Material risks identified and prioritized by management and the risk committee are reported regularly to the Audit Committee. Each prioritized risk is referred to the appropriate committee of the Board or the full Board for oversight.

Emerging regulation	Relevant, always included	Changes in environmental and climate laws or regulations could lead to new or additional investment in production designs and could increase environmental compliance expenditures. For example, the European Union has enacted greenhouse gas emissions legislation, and continues to expand the scope of such legislation. Changes in climate change concerns, or in the regulation of such concerns, including greenhouse gas emissions, could subject us to additional costs and restrictions, including increased energy and raw materials costs. Future regulations may become more stringent or costly and our compliance costs and potential liabilities could increase, which may harm our business.
Technology	Relevant, always included	<p>Materials Sourcing: Manufacturing our products requires a supply of critical materials. Limited supply of these materials, as well as their concentration in countries that are subject to geopolitical risk, exposes us to supply chain disruptions, price volatility and possible human rights or environmental risks.</p> <p>Product Efficiency: With growing customer demand for better energy storage solutions as well as increasing competition in the energy storage market, we must strive to achieve technological advances to make our products the most efficient in the market.</p> <p>Product End-of-Life (Use): As battery use increases and more products reach the end of their lifecycle, we recognize that the impact of their disposal could be substantial.</p>
Legal	Relevant, always included	Failure to comply with laws and regulations, or to obtain or comply with regulatory requirements, could result in fines, criminal charges or other sanctions by regulators.
Market	Relevant, always included	Our operating results are directly affected by the general global economic conditions of the industries in which our major customer groups operate. Our business segments are highly dependent on the economic and market conditions in each of the geographic areas in which we operate. Our products are heavily dependent on the end markets that we serve and our operating results will vary by location, depending on the economic environment in these markets.
Reputation	Relevant, always included	The EnerSys brand is associated with reliability and high quality. The negative reputational impact from failure to address climate issues is a consideration point.
Acute physical	Relevant, always included	Climate change may result in, among other things, changes in rainfall and storm patterns and intensity and increased temperature and sea levels. For example, an increase in severe weather events, such as hurricanes, tropical storms, blizzards and ice storms, can create a greater amount of emergency restoration service work. This often also can result in delays or other negative consequences for our manufacturing operations, which could negatively impact our financial

		results. Climate change may also affect the conditions in which we operate, and in some cases, expose us to potentially increased liabilities associated with those environmental conditions.
Chronic physical	Relevant, always included	Our operating results are significantly influenced by weather, and major changes in historical weather patterns could significantly impact our future operating results. For example, if climate change results in drier weather and more accommodating temperatures over a greater period of time, we may be able to increase our productivity, which could positively impact our revenues and gross margins. Conversely, if climate change results in a greater amount of rainfall, snow, ice or other less accommodating weather conditions, we could experience reduced productivity, which could negatively impact our revenues and gross margins.

## C2.3

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

Yes

### C2.3a

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

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**Identifier**

Risk 1

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

Direct operations

**Risk type & Primary climate-related risk driver**

Emerging regulation

Enhanced emissions-reporting obligations

**Primary potential financial impact**

Increased direct costs

**Company-specific description**

EnerSys is an NYSE listed company subject to SEC regulations. The SEC has proposed climate change related disclosure obligations. There are also emerging climate change related regulations being developed in the EU and other regions which may also impact EnerSys.

**Time horizon**

Short-term

**Likelihood**

Virtually certain

**Magnitude of impact**

Low

**Are you able to provide a potential financial impact figure?**

No, we do not have this figure

**Potential financial impact figure (currency)**

**Potential financial impact figure – minimum (currency)**

**Potential financial impact figure – maximum (currency)**

**Explanation of financial impact figure**

**Cost of response to risk**

## Description of response and explanation of cost calculation

### Comment

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#### Identifier

Risk 2

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

Upstream

#### Risk type & Primary climate-related risk driver

#### Primary potential financial impact

Increased direct costs

#### Company-specific description

EnerSys receives questions from customers about GHG emissions, pressuring EnerSys to set goals focused on reducing GHG emissions. Moreover, the potential SEC rules that would require strategies and action to lower GHG emissions pose regulatory risks for EnerSys as the company works to meet compliance requirements. As climate-related disclosures are becoming mandatory and expected by investors, data accuracy is important. The various forms of required data create the risk of inaccurate data, which may be mitigated through routine auditing

#### Time horizon

Short-term

#### Likelihood

Virtually certain

#### Magnitude of impact

Low

**Are you able to provide a potential financial impact figure?**

No, we do not have this figure

**Potential financial impact figure (currency)**

**Potential financial impact figure – minimum (currency)**

**Potential financial impact figure – maximum (currency)**

**Explanation of financial impact figure**

**Cost of response to risk**

**Description of response and explanation of cost calculation**

**Comment**

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**Identifier**

Risk 3

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

Downstream

**Risk type & Primary climate-related risk driver**

Market  
Changing customer behavior

**Primary potential financial impact**

Decreased revenues due to reduced demand for products and services

**Company-specific description**

As with companies in the energy storage industry, EnerSys' customers are identifying and working to address the risks associated with meeting consumer demands for decarbonization technologies. EnerSys leads the U.S. in the industrial lead-acid battery market; this segment is expected to grow modestly through 2030. Renewable energy prices are on a downward trajectory (relative to fossil fuels), as is the costs of battery storage. This is leading to a surge in market deployments across the globe. The demand for lithium-ion batteries – and corresponding minerals and metals - is also increasing to follow the trajectory of the hybrid and electric vehicle (EV) market. Until there are technology developments that increase the duration component of energy storage (at a reasonable cost), effectively smoothing the imbalance between supply and demand, there is a risk of decreased system reliability during the energy transition - especially the electricity delivery system. For instance blackouts or potential blackouts currently being experienced during heatwaves that are linked to climate change, have the potential to impact our operations. In addition, there is a risk of inability to meet the rising demand for renewable and low-carbon energy storage.

References: <https://www.irena.org/newsroom/pressreleases/2021/Jun/Majority-of-New-Renewables-Undercut-Cheapest-Fossil-Fuel-on-Cost>

<https://www.nrel.gov/docs/fy21osti/79236.pdf>

[https://www.energy.gov/sites/prod/files/2020/12/f81/Energy Storage Market Report 2020\\_0.pdf](https://www.energy.gov/sites/prod/files/2020/12/f81/Energy_Storage_Market_Report_2020_0.pdf)

<https://www8.gsb.columbia.edu/articles/chazen-global-insights/path-decarbonizing-energy>

<https://www.mckinsey.com/business-functions/sustainability/our-insights/sectors-are-unevenly-exposed-in-the-net-zero-transition>

[https://www.jdsupra.com/legalnews/energy-storage-and-its-potential-impact-9502253/#\\_ftn12](https://www.jdsupra.com/legalnews/energy-storage-and-its-potential-impact-9502253/#_ftn12)

[https://afdc.energy.gov/vehicles/electric\\_batteries.html](https://afdc.energy.gov/vehicles/electric_batteries.html)

**Time horizon**

Medium-term

**Likelihood**

Very likely

**Magnitude of impact**

Medium-high

**Are you able to provide a potential financial impact figure?**

No, we do not have this figure

**Potential financial impact figure (currency)**

**Potential financial impact figure – minimum (currency)**

**Potential financial impact figure – maximum (currency)**

**Explanation of financial impact figure**

**Cost of response to risk**

**Description of response and explanation of cost calculation**

**Comment**

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**Identifier**

Risk 4

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

Downstream

**Risk type & Primary climate-related risk driver**

Technology

Substitution of existing products and services with lower emissions options

**Primary potential financial impact**

Decreased revenues due to reduced demand for products and services

**Company-specific description**

The market for energy storage solutions, especially for renewables and lower-emissions energy sources, is expected to grow through 2030. If EnerSys fails to (or does not continue to) adapt products and solutions to meet the growing push for energy and waste efficiency and lower emissions, there is a risk of 'falling behind' competitively and of decreased revenue due to the increased demand for these types of products and services.

<https://www.nrel.gov/docs/fy21osti/79236.pdf>

[https://www.energy.gov/sites/prod/files/2020/12/f81/Energy Storage Market Report 2020\\_0.pdf](https://www.energy.gov/sites/prod/files/2020/12/f81/Energy_Storage_Market_Report_2020_0.pdf)

<https://www8.gsb.columbia.edu/articles/chazen-global-insights/path-decarbonizing-energy>

<https://www.mckinsey.com/business-functions/sustainability/our-insights/sectors-are-unevenly-exposed-in-the-net-zero-transition>

[https://www.jdsupra.com/legalnews/energy-storage-and-its-potential-impact-9502253/#\\_ftn12](https://www.jdsupra.com/legalnews/energy-storage-and-its-potential-impact-9502253/#_ftn12)

[https://afdc.energy.gov/vehicles/electric\\_batteries.html](https://afdc.energy.gov/vehicles/electric_batteries.html)

**Time horizon**

Medium-term

**Likelihood**

Likely

**Magnitude of impact**

Medium-high

**Are you able to provide a potential financial impact figure?**

No, we do not have this figure

**Potential financial impact figure (currency)**

**Potential financial impact figure – minimum (currency)**

**Potential financial impact figure – maximum (currency)**

**Explanation of financial impact figure**

**Cost of response to risk**

**Description of response and explanation of cost calculation**

**Comment**

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**Identifier**

Risk 5

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

Direct operations

**Risk type & Primary climate-related risk driver**

Technology

Unsuccessful investment in new technologies

**Primary potential financial impact**

Increased direct costs

**Company-specific description**

There is a risk of financial losses from the unsuccessful investment in new technologies and climate-friendly solutions

**Time horizon**

Unknown

**Likelihood**

About as likely as not

**Magnitude of impact**

Medium-low

**Are you able to provide a potential financial impact figure?**

No, we do not have this figure

**Potential financial impact figure (currency)**

**Potential financial impact figure – minimum (currency)**

**Potential financial impact figure – maximum (currency)**

**Explanation of financial impact figure**

**Cost of response to risk**

## Description of response and explanation of cost calculation

### Comment

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#### Identifier

Risk 6

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

Direct operations

#### Risk type & Primary climate-related risk driver

Technology

Transitioning to lower emissions technology

#### Primary potential financial impact

Increased direct costs

#### Company-specific description

Costs for fossil fuel-based energy and products are increasing, so there is a risk of increased costs for traditional fueling of sites, fleets, networks, and other operations. While working to meet increasing demand for reliable energy storage, EnerSys is also working to decarbonize its operations and to set a climate and emissions reduction goal. Due to these efforts, there are both risks and costs associated with decarbonizing manufacturing and production operations and switching to lower-carbon energy sources at sites and offices. Fortunately, as previously noted, renewable energy prices are falling, and installations are increasing in availability. Decarbonizing operations will require a significant capital investment in the short- to mid-term, but the energy storage industry is expected to benefit from other industries' decarbonization in terms of both revenue and job creation.

#### Time horizon

Medium-term

**Likelihood**

Virtually certain

**Magnitude of impact**

Medium

**Are you able to provide a potential financial impact figure?**

No, we do not have this figure

**Potential financial impact figure (currency)**

**Potential financial impact figure – minimum (currency)**

**Potential financial impact figure – maximum (currency)**

**Explanation of financial impact figure**

**Cost of response to risk**

**Description of response and explanation of cost calculation**

**Comment**

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**Identifier**

Risk 7

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

Direct operations

**Risk type & Primary climate-related risk driver**

Market

Increased cost of raw materials

**Primary potential financial impact**

Increased direct costs

**Company-specific description**

Costs for raw materials are increasing due to several factors: including physical climate risks, policy changes, carbon pricing, and increasing energy costs. This presents risks of direct financial implications, as well as business continuity risks if materials availability is limited.

Global investment in EVs and related infrastructure has grown faster than any new-energy sector in recent years, but there are concerns about the scaling of production not being able to meet expected demands. The price of lithium has soared, and there is an overall shortage of the element. Similar to lithium, cobalt and other critical, at-risk materials pose supply chain risks due to concerns about limited availability leading to rising costs, unjust labor conditions, human rights issues, land degradation, water scarcity, etc

References: <https://www.irena.org/newsroom/pressreleases/2021/Jun/Majority-of-New-Renewables-Undercut-Cheapest-Fossil-Fuel-on-Cost>

<https://www.nrel.gov/docs/fy21osti/79236.pdf>

[https://www.energy.gov/sites/prod/files/2020/12/f81/Energy Storage Market Report 2020\\_0.pdf](https://www.energy.gov/sites/prod/files/2020/12/f81/Energy_Storage_Market_Report_2020_0.pdf)

<https://www8.gsb.columbia.edu/articles/chazen-global-insights/path-decarbonizing-energy>

<https://www.mckinsey.com/business-functions/sustainability/our-insights/sectors-are-unevenly-exposed-in-the-net-zero-transition>

[https://www.jdsupra.com/legalnews/energy-storage-and-its-potential-impact-9502253/#\\_ftn12](https://www.jdsupra.com/legalnews/energy-storage-and-its-potential-impact-9502253/#_ftn12)

[https://afdc.energy.gov/vehicles/electric\\_batteries.html](https://afdc.energy.gov/vehicles/electric_batteries.html)

**Time horizon**

Medium-term

**Likelihood**

Likely

**Magnitude of impact**

Medium-high

**Are you able to provide a potential financial impact figure?**

No, we do not have this figure

**Potential financial impact figure (currency)**

**Potential financial impact figure – minimum (currency)**

**Potential financial impact figure – maximum (currency)**

**Explanation of financial impact figure**

**Cost of response to risk**

**Description of response and explanation of cost calculation**

**Comment**

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**Identifier**

Risk 8

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

Downstream

**Risk type & Primary climate-related risk driver**

Reputation

Shifts in consumer preferences

**Primary potential financial impact**

Decreased revenues due to reduced demand for products and services

**Company-specific description**

The market for energy storage solutions, especially for renewables and lower-emissions energy sources, is expected to grow through 2030. If EnerSys fails to (or does not continue to) adapt products and solutions to meet the growing push for energy and waste efficiency and lower emissions, there is a risk of 'falling behind' competitively and of decreased revenue due to the increased demand for these types of products and services.

**Time horizon**

Unknown

**Likelihood**

Likely

**Magnitude of impact**

Medium

**Are you able to provide a potential financial impact figure?**

**Potential financial impact figure (currency)**

**Potential financial impact figure – minimum (currency)**

**Potential financial impact figure – maximum (currency)**

**Explanation of financial impact figure**

**Cost of response to risk**

**Description of response and explanation of cost calculation**

**Comment**

---

**Identifier**

Risk 9

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

Downstream

**Risk type & Primary climate-related risk driver**

Reputation

Increased stakeholder concern or negative stakeholder feedback

**Primary potential financial impact**

Decreased access to capital

**Company-specific description**

There is an increased awareness and expectation in the investor community for companies to disclose their impact on ESG factors. EnerSys receives requests and questions from shareholders concerning ESG-related topics, disclosures and targets. Not disclosing information relevant to carbon-related activities and failing to make progress toward goals could potentially damage the Company's reputation.

**Time horizon**

Unknown

**Likelihood**

Likely

**Magnitude of impact**

Low

**Are you able to provide a potential financial impact figure?**

No, we do not have this figure

**Potential financial impact figure (currency)**

**Potential financial impact figure – minimum (currency)**

**Potential financial impact figure – maximum (currency)**

**Explanation of financial impact figure**

**Cost of response to risk**

**Description of response and explanation of cost calculation**

## Comment

### C2.4

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

Yes

### C2.4a

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

---

**Identifier**

Opp1

**Where in the value chain does the opportunity occur?**

Direct operations

**Opportunity type**

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**

EnerSys delivers solutions that meet our customers’ most critical energy services and storage challenges. We also enable our customers to reduce their greenhouse gas emissions and provide affordable and reliable access to energy – often referred to as “climate technology.” Our products support a wide range of industries and applications, from ensuring the reliability of broadband in rural communities to powering submarines and satellites to the manufacture and distribution of food supplies and critical health infrastructure.

**Time horizon**

Unknown

**Likelihood**

Virtually certain

**Magnitude of impact**

High

**Are you able to provide a potential financial impact figure?**

No, we do not have this figure

**Potential financial impact figure (currency)**

**Potential financial impact figure – minimum (currency)**

**Potential financial impact figure – maximum (currency)**

**Explanation of financial impact figure**

**Cost to realize opportunity**

## Strategy to realize opportunity and explanation of cost calculation

### Comment

---

#### Identifier

Opp2

#### Where in the value chain does the opportunity occur?

Direct operations

#### Opportunity type

Resource efficiency

#### Primary climate-related opportunity driver

Use of more efficient production and distribution processes

#### Primary potential financial impact

Reduced direct costs

#### Company-specific description

We recognize that building a sustainable future starts at home. While our products and the services we provide are critical to the low carbon transition, so is reducing the impact of their manufacturing, transporting and distribution. In 2021, we focused on advancing our Environmental, Social and Governance (ESG) initiatives internally to drive down our energy usage, build a more diverse, equitable and inclusive company culture and provide our stockholders with updates on our goals and accomplishments.

#### Time horizon

Unknown

#### Likelihood

**Magnitude of impact**

**Are you able to provide a potential financial impact figure?**

No, we do not have this figure

**Potential financial impact figure (currency)**

**Potential financial impact figure – minimum (currency)**

**Potential financial impact figure – maximum (currency)**

**Explanation of financial impact figure**

**Cost to realize opportunity**

**Strategy to realize opportunity and explanation of cost calculation**

**Comment**

---

**Identifier**

Opp3

**Where in the value chain does the opportunity occur?**

Direct operations

**Opportunity type**

Resource efficiency

**Primary climate-related opportunity driver**

Reduced water usage and consumption

**Primary potential financial impact**

Reduced direct costs

**Company-specific description**

Water plays a crucial role in our manufacturing operations and is used for multiple processes, including preparing electrolytes, plate manufacturing, battery formation and washing finished production equipment and manufacturing areas. It is imperative that we drive efficiency in our operations, reduce our freshwater usage and reuse water wherever possible to minimize our impact on the environment.

**Time horizon**

Unknown

**Likelihood**

More likely than not

**Magnitude of impact**

Unknown

**Are you able to provide a potential financial impact figure?**

No, we do not have this figure

**Potential financial impact figure (currency)**

**Potential financial impact figure – minimum (currency)**

**Potential financial impact figure – maximum (currency)**

**Explanation of financial impact figure**

**Cost to realize opportunity**

**Strategy to realize opportunity and explanation of cost calculation**

**Comment**

---

**Identifier**

Opp4

**Where in the value chain does the opportunity occur?**

Downstream

**Opportunity type**

Energy source

**Primary climate-related opportunity driver**

Use of lower-emission sources of energy

**Primary potential financial impact**

Increased revenues resulting from increased demand for products and services

### **Company-specific description**

Battery storage and energy systems allow for more effective and rapid decarbonization by connecting when power is made from intermittent renewable sources to when power is needed. This supports global greenhouse gas emissions reduction goals and helps to slow the impacts of climate change. Our technologies also support communities when they need it most by providing reliable and affordable access to energy. EnerSys products are climate technology, and we are energized by the impact they have worldwide. As countries and companies set emissions reduction and electrification goals in line with COP26 – the climate conference held in Glasgow, Scotland in November 2021 – EnerSys products will enable them to bridge the gap between their ambitious targets and current infrastructure realities. Energy storage is vital to the global energy transition and the expansion of intermittent renewable power sources like wind and solar. Batteries add resilience and adaptability to the power grid and will be critical to expanding the infrastructure needed for the widespread adoption of electric vehicles.

### **Time horizon**

Unknown

### **Likelihood**

Virtually certain

### **Magnitude of impact**

High

### **Are you able to provide a potential financial impact figure?**

No, we do not have this figure

### **Potential financial impact figure (currency)**

### **Potential financial impact figure – minimum (currency)**

### **Potential financial impact figure – maximum (currency)**

### **Explanation of financial impact figure**

**Cost to realize opportunity**

**Strategy to realize opportunity and explanation of cost calculation**

**Comment**

---

**Identifier**

Opp5

**Where in the value chain does the opportunity occur?**

Downstream

**Opportunity type**

Energy source

**Primary climate-related opportunity driver**

Use of new technologies

**Primary potential financial impact**

Increased revenues resulting from increased demand for products and services

**Company-specific description**

Battery storage and energy systems allow for more effective and rapid decarbonization by connecting when power is made from intermittent renewable sources to when power is needed. This supports global greenhouse gas emissions reduction goals and helps to slow the impacts of climate change. Our technologies also support communities when they need it most by providing reliable and affordable access to energy.

EnerSys products are climate technology, and we are energized by the impact they have worldwide. As countries and companies set emissions

reduction and electrification goals in line with COP26 – the climate conference held in Glasgow, Scotland in November 2021 – EnerSys products will enable them to bridge the gap between their ambitious targets and current infrastructure realities. Energy storage is vital to the global energy transition and the expansion of intermittent renewable power sources like wind and solar. Batteries add resilience and adaptability to the power grid and will be critical to expanding the infrastructure needed for the widespread adoption of electric vehicles.

**Time horizon**

Unknown

**Likelihood**

Virtually certain

**Magnitude of impact**

High

**Are you able to provide a potential financial impact figure?**

No, we do not have this figure

**Potential financial impact figure (currency)**

**Potential financial impact figure – minimum (currency)**

**Potential financial impact figure – maximum (currency)**

**Explanation of financial impact figure**

**Cost to realize opportunity**

**Strategy to realize opportunity and explanation of cost calculation**

## Comment

---

### Identifier

Opp6

### Where in the value chain does the opportunity occur?

Direct operations

### 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

Battery storage and energy systems allow for more effective and rapid decarbonization by connecting when power is made from intermittent renewable sources to when power is needed. This supports global greenhouse gas emissions reduction goals and helps to slow the impacts of climate change. Our technologies also support communities when they need it most by providing reliable and affordable access to energy. EnerSys products are climate technology, and we are energized by the impact they have worldwide. As countries and companies set emissions reduction and electrification goals in line with COP26 – the climate conference held in Glasgow, Scotland in November 2021 – EnerSys products will enable them to bridge the gap between their ambitious targets and current infrastructure realities. Energy storage is vital to the global energy transition and the expansion of intermittent renewable power sources like wind and solar. Batteries add resilience and adaptability to the power grid and will be critical to expanding the infrastructure needed for the widespread adoption of electric vehicles.

### Time horizon

Unknown

**Likelihood**

Virtually certain

**Magnitude of impact**

High

**Are you able to provide a potential financial impact figure?**

No, we do not have this figure

**Potential financial impact figure (currency)**

**Potential financial impact figure – minimum (currency)**

**Potential financial impact figure – maximum (currency)**

**Explanation of financial impact figure**

**Cost to realize opportunity**

**Strategy to realize opportunity and explanation of cost calculation**

**Comment**

**Identifier**

Opp7

**Where in the value chain does the opportunity occur?**

Downstream

**Opportunity type**

Products and services

**Primary climate-related opportunity driver**

Shift in consumer preferences

**Primary potential financial impact**

Increased revenues resulting from increased demand for products and services

**Company-specific description**

Battery storage and energy systems allow for more effective and rapid decarbonization by connecting when power is made from intermittent renewable sources to when power is needed. This supports global greenhouse gas emissions reduction goals and helps to slow the impacts of climate change. Our technologies also support communities when they need it most by providing reliable and affordable access to energy. EnerSys products are climate technology, and we are energized by the impact they have worldwide. As countries and companies set emissions reduction and electrification goals in line with COP26 – the climate conference held in Glasgow, Scotland in November 2021 – EnerSys products will enable them to bridge the gap between their ambitious targets and current infrastructure realities. Energy storage is vital to the global energy transition and the expansion of intermittent renewable power sources like wind and solar. Batteries add resilience and adaptability to the power grid and will be critical to expanding the infrastructure needed for the widespread adoption of electric vehicles.

**Time horizon**

Unknown

**Likelihood**

Virtually certain

**Magnitude of impact**

High

**Are you able to provide a potential financial impact figure?**

No, we do not have this figure

**Potential financial impact figure (currency)**

**Potential financial impact figure – minimum (currency)**

**Potential financial impact figure – maximum (currency)**

**Explanation of financial impact figure**

**Cost to realize opportunity**

**Strategy to realize opportunity and explanation of cost calculation**

**Comment**

---

**Identifier**

Opp8

**Where in the value chain does the opportunity occur?**

Downstream

**Opportunity type**

Markets

**Primary climate-related opportunity driver**

Access to new markets

**Primary potential financial impact**

Increased revenues through access to new and emerging markets

**Company-specific description**

Battery storage and energy systems allow for more effective and rapid decarbonization by connecting when power is made from intermittent renewable sources to when power is needed. This supports global greenhouse gas emissions reduction goals and helps to slow the impacts of climate change. Our technologies also support communities when they need it most by providing reliable and affordable access to energy. EnerSys products are climate technology, and we are energized by the impact they have worldwide. As countries and companies set emissions reduction and electrification goals in line with COP26 – the climate conference held in Glasgow, Scotland in November 2021 – EnerSys products will enable them to bridge the gap between their ambitious targets and current infrastructure realities. Energy storage is vital to the global energy transition and the expansion of intermittent renewable power sources like wind and solar. Batteries add resilience and adaptability to the power grid and will be critical to expanding the infrastructure needed for the widespread adoption of electric vehicles.

**Time horizon**

Unknown

**Likelihood**

**Magnitude of impact**

Unknown

**Are you able to provide a potential financial impact figure?**

**Potential financial impact figure (currency)**

**Potential financial impact figure – minimum (currency)**

**Potential financial impact figure – maximum (currency)**

**Explanation of financial impact figure**

**Cost to realize opportunity**

**Strategy to realize opportunity and explanation of cost calculation**

**Comment**

---

**Identifier**

Opp9

**Where in the value chain does the opportunity occur?**

Downstream

**Opportunity type**

Markets

**Primary climate-related opportunity driver**

Use of public-sector incentives

**Primary potential financial impact**

Increased revenues resulting from increased demand for products and services

**Company-specific description**

Battery storage and energy systems allow for more effective and rapid decarbonization by connecting when power is made from intermittent renewable sources to when power is needed. This supports global greenhouse gas emissions reduction goals and helps to slow the impacts of climate change. Our technologies also support communities when they need it most by providing reliable and affordable access to energy. EnerSys products are climate technology, and we are energized by the impact they have worldwide. As countries and companies set emissions reduction and electrification goals in line with COP26 – the climate conference held in Glasgow, Scotland in November 2021 – EnerSys products will enable them to bridge the gap between their ambitious targets and current infrastructure realities. Energy storage is vital to the global energy transition and the expansion of intermittent renewable power sources like wind and solar. Batteries add resilience and adaptability to the power grid and will be critical to expanding the infrastructure needed for the widespread adoption of electric vehicles.

**Time horizon**

Unknown

**Likelihood**

**Magnitude of impact**

Unknown

**Are you able to provide a potential financial impact figure?**

**Potential financial impact figure (currency)**

**Potential financial impact figure – minimum (currency)**

**Potential financial impact figure – maximum (currency)**

**Explanation of financial impact figure**

**Cost to realize opportunity**

**Strategy to realize opportunity and explanation of cost calculation**

**Comment**

---

**Identifier**

Opp10

**Where in the value chain does the opportunity occur?**

Downstream

**Opportunity type**

Resilience

**Primary climate-related opportunity driver**

Participation in renewable energy programs and adoption of energy-efficiency measures

**Primary potential financial impact**

Increased revenues resulting from increased demand for products and services

**Company-specific description**

Sustainability, reliability and resilience are at the core of who we are and what we do at EnerSys every day. Our products help tackle some of our world's most significant challenges, be it addressing the impacts of climate change, decarbonization, efficient and affordable distribution of goods, grid reliability, telecommunications, and even medical safety. Our batteries and energy storage solutions are part of building a resilient, low-carbon future.

Battery storage and energy systems allow for more effective and rapid decarbonization by connecting when power is made from intermittent renewable sources to when power is needed. This supports global greenhouse gas emissions reduction goals and helps to slow the impacts of climate change. Our technologies also support communities when they need it most by providing reliable and affordable access to energy. EnerSys products are climate technology, and we are energized by the impact they have worldwide. As countries and companies set emissions reduction and electrification goals in line with COP26 – the climate conference held in Glasgow, Scotland in November 2021 – EnerSys products will enable them to bridge the gap between their ambitious targets and current infrastructure realities. Energy storage is vital to the global energy transition and the expansion of intermittent renewable power sources like wind and solar. Batteries add resilience and adaptability to the power grid and will be critical to expanding the infrastructure needed for the widespread adoption of electric vehicles.

**Time horizon**

Unknown

**Likelihood**

**Magnitude of impact**

Unknown

**Are you able to provide a potential financial impact figure?**

No, we do not have this figure

**Potential financial impact figure (currency)**

**Potential financial impact figure – minimum (currency)**

**Potential financial impact figure – maximum (currency)**

**Explanation of financial impact figure**

**Cost to realize opportunity**

**Strategy to realize opportunity and explanation of cost calculation**

**Comment**

## **C3. Business Strategy**

### **C3.1**

**(C3.1) Does your organization’s strategy include a transition plan that aligns with a 1.5°C world?**

**Row 1**

---

**Transition plan**

No, but our strategy has been influenced by climate-related risks and opportunities, and we are developing a transition plan within two years

**Explain why your organization does not have a transition plan that aligns with a 1.5°C world and any plans to develop one in the future**

At this time EnerSys is focused on further developing and implementing sustainability initiatives and programs throughout the company. We are undertaking an analysis that would allow EnerSys to construct a transition plan that aligns with a 1.5°C world, within 2 years.

## C3.2

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

	Use of climate-related scenario analysis to inform strategy	Primary reason why your organization does not use climate-related scenario analysis to inform its strategy	Explain why your organization does not use climate-related scenario analysis to inform its strategy and any plans to use it in the future
Row 1	No, but we anticipate using qualitative and/or quantitative analysis in the next two years	Important but not an immediate priority	Although EnerSys believes climate-related scenario analysis is important and would be interested in developing strategies utilizing climate-related scenario analysis, the company is still working on fully implementing a sustainability program throughout the company. EnerSys has begun the process of broad and mostly qualitative climate risk analysis to gain understanding of its transition risks, physical risks at offices and production sites, and associated mitigation strategies EnerSys would like to have a climate strategy informed by a climate-related scenario analysis, however, timing remains unclear. Regardless, EnerSys continues to work towards a net-zero carbon future.

## C3.3

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

	Have climate-related risks and opportunities influenced your strategy in this area?	Description of influence
Products and services	Yes	At its core, EnerSys delivers solutions that meet our customers' most critical energy services and storage challenges. We also enable our customers to reduce their greenhouse gas emissions and provide affordable and reliable access to energy – often referred to as “climate technology.” Our products support a wide range of industries and applications, from ensuring the reliability of broadband in rural communities to powering submarines and satellites to the manufacture and distribution of food

		<p>supplies and critical health infrastructure.</p> <p>Battery storage and energy systems allow for more effective and rapid decarbonization by connecting when power is made from intermittent renewable sources to when power is needed. This supports global greenhouse gas emissions reduction goals and helps to slow the impacts of climate change. Our technologies also support communities when they need it most by providing reliable and affordable access to energy. EnerSys products are climate technology, and we are energized by the impact they have worldwide</p> <p>We are keenly aware that there is no single solution to the array of challenges the world faces as it transforms our energy production and consumption. Batteries of all chemistries will be a key component to decarbonization globally. As countries and companies set emissions reduction and electrification goals in line with COP26 – the climate conference held in Glasgow, Scotland in November 2021 – EnerSys products will enable them to bridge the gap between their ambitious targets and current infrastructure realities. Energy storage is vital to the global energy transition and the expansion of intermittent renewable power sources like wind and solar. Batteries add resilience and adaptability to the power grid and will be critical to expanding the infrastructure needed for the widespread adoption of electric vehicles.</p>
Supply chain and/or value chain	Yes	We help move essential goods and materials for industries that keeps supply chains moving so products can get to their end destinations faster, safer and with a lower environmental impact. We engage our suppliers to improve their environmental sustainability and conduct due diligence accordingly.
Investment in R&D	Yes	Our customers rely on EnerSys to provide reliable and resilient products for critical applications when the stakes are high. We invest significant resources into research and development and testing and certification to ensure that our products remain safe for our customers and consumers. In 2021, this totaled over \$3.8 million towards research and development. Our continuous improvement commitment means constantly innovating, enhancing safety, improving performance and developing new technologies.

Operations	Yes	We recognize that building a sustainable future starts at home. While our products and the services we provide are critical to the low carbon transition, so is reducing the impact of their manufacturing, transporting and distribution. In 2021, we focused on advancing our Environmental, Social and Governance (ESG) initiatives internally to drive down our energy usage, build a more diverse, equitable and inclusive company culture and provide our stockholders with updates on our goals and accomplishments.
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### C3.4

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

	Financial planning elements that have been influenced	Description of influence
Row 1	Direct costs Indirect costs Capital expenditures Liabilities	<p>Due to the nature of the company’s operations, various levels of laws and regulations mandate operations regarding registering, handling, processing, storing, transporting, and disposing of hazardous substances. These laws and regulations do result in extra costs and liabilities for EnerSys.</p> <p>Furthermore, direct costs, indirect costs, and capital expenditures may be incurred due to research and development costs, restructuring costs, changes in supply chain, employee training, upgrading or purchasing physical assets, and other areas as EnerSys continues to work towards a net-zero carbon future via more sustainable practices.</p>

## 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.**

	Primary reason	Five-year forecast	Please explain
Row 1	We are planning to introduce a target in the next two years	We are working to establish a robust, ambitious and measurable climate goal aligned with key customer, investor and other stakeholder expectations in 2022.	Our operations and the energy they require have an impact on the environment and the climate. As the world's leading energy storage manufacturer, we recognize our responsibility to reduce our footprint while supporting our customers' carbon goals through the highest quality energy storage products and services. Consequently, we are actively seeking to reduce our direct and indirect greenhouse gas emissions by increasing the efficiency of our operations and exploring renewable energy sources for our facilities

## 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**

2021

**Target coverage**

Site/facility

**Target type: absolute or intensity**

Intensity

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

Energy productivity

Other, please specify

KwH of energy storage produced

**Target denominator (intensity targets only)**

GJ

**Base year**

2020

**Figure or percentage in base year**

100

**Target year**

2030

**Figure or percentage in target year**

75

**Figure or percentage in reporting year**

**% of target achieved relative to base year [auto-calculated]**

**Target status in reporting year**

Underway

**Is this target part of an emissions target?**

This is our target as part of the US Dept. of Energy Better Plants Program

**Is this target part of an overarching initiative?**

Other, please specify

This is our target as part of the US Dept. of Energy Better Plants Program

**Please explain target coverage and identify any exclusions**

Target is to reduce GJ/Kwh of storage produced by 25% over 10 years from 2020 to 2030 in 5 US based manufacturing facilities

**Plan for achieving target, and progress made to the end of the reporting year**

Identifying efficiency opportunities and executing on them.

**List the actions which contributed most to achieving this target**

### C4.3

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

Yes

### C4.3a

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

	Number of initiatives	Total estimated annual CO2e savings in metric tonnes CO2e (only for rows marked *)
Under investigation	1	
To be implemented*		

Implementation commenced*	1	1,500
Implemented*		
Not to be implemented		

### C4.3b

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

**Initiative category & Initiative type**

Energy efficiency in buildings

Other, please specify

Multiple initiatives in the drop down menu. Specific savings for each not available

**Estimated annual CO2e savings (metric tonnes CO2e)**

1,500

**Scope(s) or Scope 3 category(ies) where emissions savings occur**

Scope 1

Scope 2 (market-based)

**Voluntary/Mandatory**

Voluntary

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

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

**Payback period**

**Estimated lifetime of the initiative**

**Comment**

As part of our efforts to reduce energy intensity, a multitude of pathways are being explored and implemented

### C4.3c

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

Method	Comment
Compliance with regulatory requirements/standards	We are underway with multiple initiatives including plant-level analysis and implementation, training for managers and above on climate and other sustainability topics as well as integration of sustainability considerations into goals and incentives
Employee engagement	We are underway with multiple initiatives including plant-level analysis and implementation, training for managers and above on climate and other sustainability topics as well as integration of sustainability considerations into goals and incentives
Financial optimization calculations	We are underway with multiple initiatives including plant-level analysis and implementation, training for managers and above on climate and other sustainability topics as well as integration of sustainability considerations into goals and incentives

### C4.5

**(C4.5) Do you classify any of your existing goods and/or services as low-carbon products?**

Yes

## C4.5a

**(C4.5a) Provide details of your products and/or services that you classify as low-carbon products.**

---

**Level of aggregation**

Group of products or services

**Taxonomy used to classify product(s) or service(s) as low-carbon**

No taxonomy used to classify product(s) or service(s) as low carbon

**Type of product(s) or service(s)**

Batteries

Other, please specify

EnerSys delivers solutions that meet our customers' most critical energy services and storage challenges. Our batteries and energy storage solutions are part of building a resilient, low-carbon future.

**Description of product(s) or service(s)**

"EnerSys® is an industrial technology leader serving the global community with mission critical stored energy solutions that meet the growing demand for energy efficiency, reliability and sustainability. We consider our products and services to be low carbon. . The products enable our customers to choose low-carbon energy. Our services facilitate this effort or directly facilitate the reduction in environmental impacts – like recycling.

**Have you estimated the avoided emissions of this low-carbon product(s) or service(s)**

No

**Methodology used to calculate avoided emissions**

**Life cycle stage(s) covered for the low-carbon product(s) or services(s)**

**Functional unit used**

**Reference product/service or baseline scenario used**

**Life cycle stage(s) covered for the reference product/service or baseline scenario**

**Estimated avoided emissions (metric tons CO<sub>2</sub>e per functional unit) compared to reference product/service or baseline scenario**

**Explain your calculation of avoided emissions, including any assumptions**

**Revenue generated from low-carbon product(s) or service(s) as % of total revenue in the reporting year**

## **C5. Emissions methodology**

### **C5.1**

**(C5.1) Is this your first year of reporting emissions data to CDP?**

Yes

### **C5.2**

**(C5.2) Provide your base year and base year emissions.**

**Scope 1**

---

**Base year start**

January 1, 2018

**Base year end**

**Base year emissions (metric tons CO2e)**

**Comment**

**Scope 2 (location-based)**

---

**Base year start**

January 1, 2018

**Base year end**

**Base year emissions (metric tons CO2e)**

**Comment**

**Scope 2 (market-based)**

---

**Base year start**

**Base year end**

**Base year emissions (metric tons CO2e)**

**Comment**

**Scope 3 category 1: Purchased goods and services**

---

**Base year start**

**Base year end**

**Base year emissions (metric tons CO2e)**

**Comment**

**Scope 3 category 2: Capital goods**

---

**Base year start**

**Base year end**

**Base year emissions (metric tons CO2e)**

**Comment**

**Scope 3 category 3: Fuel-and-energy-related activities (not included in Scope 1 or 2)**

---

**Base year start**

**Base year end**

**Base year emissions (metric tons CO<sub>2</sub>e)**

**Comment**

**Scope 3 category 4: Upstream transportation and distribution**

---

**Base year start**

**Base year end**

**Base year emissions (metric tons CO<sub>2</sub>e)**

**Comment**

**Scope 3 category 5: Waste generated in operations**

---

**Base year start**

**Base year end**

**Base year emissions (metric tons CO2e)**

**Comment**

**Scope 3 category 6: Business travel**

---

**Base year start**

**Base year end**

**Base year emissions (metric tons CO2e)**

**Comment**

**Scope 3 category 7: Employee commuting**

---

**Base year start**

**Base year end**

**Base year emissions (metric tons CO2e)**

**Comment**

**Scope 3 category 8: Upstream leased assets**

---

**Base year start**

**Base year end**

**Base year emissions (metric tons CO<sub>2</sub>e)**

**Comment**

**Scope 3 category 9: Downstream transportation and distribution**

---

**Base year start**

**Base year end**

**Base year emissions (metric tons CO<sub>2</sub>e)**

**Comment**

**Scope 3 category 10: Processing of sold products**

---

**Base year start**

**Base year end**

**Base year emissions (metric tons CO2e)**

**Comment**

**Scope 3 category 11: Use of sold products**

---

**Base year start**

**Base year end**

**Base year emissions (metric tons CO2e)**

**Comment**

**Scope 3 category 12: End of life treatment of sold products**

---

**Base year start**

**Base year end**

**Base year emissions (metric tons CO2e)**

**Comment**

**Scope 3 category 13: Downstream leased assets**

---

**Base year start**

**Base year end**

**Base year emissions (metric tons CO2e)**

**Comment**

**Scope 3 category 14: Franchises**

---

**Base year start**

**Base year end**

**Base year emissions (metric tons CO2e)**

**Comment**

**Scope 3 category 15: Investments**

---

**Base year start**

**Base year end**

**Base year emissions (metric tons CO2e)**

**Comment**

**Scope 3: Other (upstream)**

---

**Base year start**

**Base year end**

**Base year emissions (metric tons CO2e)**

**Comment**

**Scope 3: Other (downstream)**

---

**Base year start**

**Base year end**

**Base year emissions (metric tons CO2e)**

**Comment**

## **C5.3**

**(C5.3) Select the name of the standard, protocol, or methodology you have used to collect activity data and calculate emissions.**

IEA CO2 Emissions from Fuel Combustion

IPCC Guidelines for National Greenhouse Gas Inventories, 2006

The Climate Registry: Electric Power Sector (EPS) Protocol

The Climate Registry: General Reporting Protocol

The Climate Registry: Local Government Operations (LGO) Protocol

The Climate Registry: Oil & Gas Protocol

The Greenhouse Gas Protocol: A Corporate Accounting and Reporting Standard (Revised Edition)

The Greenhouse Gas Protocol: Scope 2 Guidance

## **C6. Emissions data**

### **C6.1**

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

**Reporting year**

---

**Gross global Scope 1 emissions (metric tons CO2e)**

51,600

**Start date**

January 1, 2021

**End date**

December 31, 2021

**Comment**

Aligned with our electrification efforts our scope 1 emissions continue to decline, despite an increase in production (energy storage)

**Past year 1**

---

**Gross global Scope 1 emissions (metric tons CO2e)**

58,900

**Start date**

January 1, 2020

**End date**

December 31, 2020

**Comment**

Aligned with our electrification efforts our scope 1 emissions continue to decline, despite an increase in production (energy storage)

**Past year 2**

---

**Gross global Scope 1 emissions (metric tons CO2e)**

60,900

**Start date**

January 1, 2019

**End date**

December 31, 2019

**Comment**

**Past year 3**

---

**Gross global Scope 1 emissions (metric tons CO2e)**

61,200

**Start date**

January 1, 2018

**End date**

December 31, 2018

**Comment**

## C6.2

**(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 have operations where we are able to access electricity supplier emission factors or residual emissions factors, but are unable to report a Scope 2, market-based figure

**Comment**

**C6.3**

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

**Reporting year**

---

**Scope 2, location-based**

242,800

**Start date**

January 1, 2021

**End date**

December 31, 2021

**Comment**

**Past year 1**

---

**Scope 2, location-based**

222,500

**Start date**

January 1, 2020

**End date**

December 31, 2020

**Comment**

## Past year 2

---

**Scope 2, location-based**

210,300

**Start date**

January 1, 2019

**End date**

December 31, 2019

**Comment**

## Past year 3

---

**Scope 2, location-based**

226,800

**Start date**

January 1, 2018

**End date**

December 31, 2018

**Comment**

## 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

#### **Please explain**

In 2021, we put the processes in place required to accurately compile and transparently report our energy usage and Scope 1 and Scope 2 greenhouse gas emissions. We also began the initial steps to quantify our Scope 3 emissions. Understanding the impact associated with the production, distribution and use of our products is critical in developing impactful projects that reduce our footprint.

### **Capital goods**

---

#### **Evaluation status**

Relevant, not yet calculated

#### **Please explain**

In 2021, we put the processes in place required to accurately compile and transparently report our energy usage and Scope 1 and Scope 2 greenhouse gas emissions. We also began the initial steps to quantify our Scope 3 emissions. Understanding the impact associated with the production, distribution and use of our products is critical in developing impactful projects that reduce our footprint.

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

---

### Evaluation status

Relevant, not yet calculated

### Please explain

In 2021, we put the processes in place required to accurately compile and transparently report our energy usage and Scope 1 and Scope 2 greenhouse gas emissions. We also began the initial steps to quantify our Scope 3 emissions. Understanding the impact associated with the production, distribution and use of our products is critical in developing impactful projects that reduce our footprint.

## Upstream transportation and distribution

---

### Evaluation status

Relevant, not yet calculated

### Please explain

In 2021, we put the processes in place required to accurately compile and transparently report our energy usage and Scope 1 and Scope 2 greenhouse gas emissions. We also began the initial steps to quantify our Scope 3 emissions. Understanding the impact associated with the production, distribution and use of our products is critical in developing impactful projects that reduce our footprint.

## Waste generated in operations

---

### Evaluation status

Relevant, not yet calculated

### Please explain

In 2021, we put the processes in place required to accurately compile and transparently report our energy usage and Scope 1 and Scope 2 greenhouse gas emissions. We also began the initial steps to quantify our Scope 3 emissions. Understanding the impact associated with the production, distribution and use of our products is critical in developing impactful projects that reduce our footprint.

## Business travel

---

**Evaluation status**

Relevant, not yet calculated

**Please explain**

In 2021, we put the processes in place required to accurately compile and transparently report our energy usage and Scope 1 and Scope 2 greenhouse gas emissions. We also began the initial steps to quantify our Scope 3 emissions. Understanding the impact associated with the production, distribution and use of our products is critical in developing impactful projects that reduce our footprint.

**Employee commuting**

---

**Evaluation status**

Relevant, not yet calculated

**Please explain**

In 2021, we put the processes in place required to accurately compile and transparently report our energy usage and Scope 1 and Scope 2 greenhouse gas emissions. We also began the initial steps to quantify our Scope 3 emissions. Understanding the impact associated with the production, distribution and use of our products is critical in developing impactful projects that reduce our footprint.

**Upstream leased assets**

---

**Evaluation status**

Not evaluated

**Please explain**

**Downstream transportation and distribution**

---

**Evaluation status**

Relevant, not yet calculated

**Please explain**

In 2021, we put the processes in place required to accurately compile and transparently report our energy usage and Scope 1 and Scope 2 greenhouse gas emissions. We also began the initial steps to quantify our Scope 3 emissions. Understanding the impact associated with the production, distribution and use of our products is critical in developing impactful projects that reduce our footprint.

### **Processing of sold products**

---

#### **Evaluation status**

Not evaluated

#### **Please explain**

In 2021, we put the processes in place required to accurately compile and transparently report our energy usage and Scope 1 and Scope 2 greenhouse gas emissions. We also began the initial steps to quantify our Scope 3 emissions. Understanding the impact associated with the production, distribution and use of our products is critical in developing impactful projects that reduce our footprint.

### **Use of sold products**

---

#### **Evaluation status**

Relevant, not yet calculated

#### **Please explain**

In 2021, we put the processes in place required to accurately compile and transparently report our energy usage and Scope 1 and Scope 2 greenhouse gas emissions. We also began the initial steps to quantify our Scope 3 emissions. Understanding the impact associated with the production, distribution and use of our products is critical in developing impactful projects that reduce our footprint.

### **End of life treatment of sold products**

---

#### **Evaluation status**

Relevant, not yet calculated

#### **Please explain**

In 2021, we put the processes in place required to accurately compile and transparently report our energy usage and Scope 1 and Scope 2 greenhouse gas emissions. We also began the initial steps to quantify our Scope 3 emissions. Understanding the impact associated with the production, distribution and use of our products is critical in developing impactful projects that reduce our footprint.

### **Downstream leased assets**

---

#### **Evaluation status**

Not evaluated

#### **Please explain**

In 2021, we put the processes in place required to accurately compile and transparently report our energy usage and Scope 1 and Scope 2 greenhouse gas emissions. We also began the initial steps to quantify our Scope 3 emissions. Understanding the impact associated with the production, distribution and use of our products is critical in developing impactful projects that reduce our footprint.

### **Franchises**

---

#### **Evaluation status**

Not relevant, explanation provided

#### **Please explain**

EnerSys does not have franchises

### **Investments**

---

#### **Evaluation status**

Not evaluated

#### **Please explain**

In 2021, we put the processes in place required to accurately compile and transparently report our energy usage and Scope 1 and Scope 2 greenhouse gas emissions. We also began the initial steps to quantify our Scope 3 emissions. Understanding the impact associated with the production, distribution and use of our products is critical in developing impactful projects that reduce our footprint.

### **Other (upstream)**

---

**Evaluation status**

Not evaluated

**Please explain**

In 2021, we put the processes in place required to accurately compile and transparently report our energy usage and Scope 1 and Scope 2 greenhouse gas emissions. We also began the initial steps to quantify our Scope 3 emissions. Understanding the impact associated with the production, distribution and use of our products is critical in developing impactful projects that reduce our footprint.

**Other (downstream)**

---

**Evaluation status**

Not evaluated

**Please explain**

In 2021, we put the processes in place required to accurately compile and transparently report our energy usage and Scope 1 and Scope 2 greenhouse gas emissions. We also began the initial steps to quantify our Scope 3 emissions. Understanding the impact associated with the production, distribution and use of our products is critical in developing impactful projects that reduce our footprint.

## C6.5a

**(C6.5a) Disclose or restate your Scope 3 emissions data for previous years.**

**Past year 1**

---

**Start date**

**End date**

**Scope 3: Purchased goods and services (metric tons CO<sub>2</sub>e)**

**Scope 3: Capital goods (metric tons CO2e)**

**Scope 3: Fuel and energy-related activities (not included in Scopes 1 or 2) (metric tons CO2e)**

**Scope 3: Upstream transportation and distribution (metric tons CO2e)**

**Scope 3: Waste generated in operations (metric tons CO2e)**

**Scope 3: Business travel (metric tons CO2e)**

**Scope 3: Employee commuting (metric tons CO2e)**

**Scope 3: Upstream leased assets (metric tons CO2e)**

**Scope 3: Downstream transportation and distribution (metric tons CO2e)**

**Scope 3: Processing of sold products (metric tons CO2e)**

**Scope 3: Use of sold products (metric tons CO2e)**

**Scope 3: End of life treatment of sold products (metric tons CO2e)**

**Scope 3: Downstream leased assets (metric tons CO2e)**

**Scope 3: Franchises (metric tons CO2e)**

**Scope 3: Investments (metric tons CO2e)**

**Scope 3: Other (upstream) (metric tons CO2e)**

**Scope 3: Other (downstream) (metric tons CO2e)**

**Comment**

In 2021, we put the processes in place required to accurately compile and transparently report our energy usage and Scope 1 and Scope 2 greenhouse gas emissions. We also began the initial steps to quantify our Scope 3 emissions. Understanding the impact associated with the production, distribution and use of our products is critical in developing impactful projects that reduce our footprint.

**Past year 2**

---

**Start date**

**End date**

**Scope 3: Purchased goods and services (metric tons CO2e)**

**Scope 3: Capital goods (metric tons CO2e)**

**Scope 3: Fuel and energy-related activities (not included in Scopes 1 or 2) (metric tons CO2e)**

**Scope 3: Upstream transportation and distribution (metric tons CO2e)**

**Scope 3: Waste generated in operations (metric tons CO2e)**

**Scope 3: Business travel (metric tons CO2e)**

**Scope 3: Employee commuting (metric tons CO2e)**

**Scope 3: Upstream leased assets (metric tons CO2e)**

**Scope 3: Downstream transportation and distribution (metric tons CO2e)**

**Scope 3: Processing of sold products (metric tons CO2e)**

**Scope 3: Use of sold products (metric tons CO2e)**

**Scope 3: End of life treatment of sold products (metric tons CO2e)**

**Scope 3: Downstream leased assets (metric tons CO2e)**

**Scope 3: Franchises (metric tons CO2e)**

**Scope 3: Investments (metric tons CO2e)**

**Scope 3: Other (upstream) (metric tons CO2e)**

**Scope 3: Other (downstream) (metric tons CO2e)**

**Comment**

In 2021, we put the processes in place required to accurately compile and transparently report our energy usage and Scope 1 and Scope 2 greenhouse gas emissions. We also began the initial steps to quantify our Scope 3 emissions. Understanding the impact associated with the production, distribution and use of our products is critical in developing impactful projects that reduce our footprint.

**Past year 3**

---

**Start date**

**End date**

**Scope 3: Purchased goods and services (metric tons CO2e)**

**Scope 3: Capital goods (metric tons CO2e)**

**Scope 3: Fuel and energy-related activities (not included in Scopes 1 or 2) (metric tons CO2e)**

**Scope 3: Upstream transportation and distribution (metric tons CO2e)**

**Scope 3: Waste generated in operations (metric tons CO2e)**

**Scope 3: Business travel (metric tons CO2e)**

**Scope 3: Employee commuting (metric tons CO2e)**

**Scope 3: Upstream leased assets (metric tons CO2e)**

**Scope 3: Downstream transportation and distribution (metric tons CO2e)**

**Scope 3: Processing of sold products (metric tons CO2e)**

**Scope 3: Use of sold products (metric tons CO2e)**

**Scope 3: End of life treatment of sold products (metric tons CO2e)**

**Scope 3: Downstream leased assets (metric tons CO2e)**

**Scope 3: Franchises (metric tons CO2e)**

**Scope 3: Investments (metric tons CO2e)**

**Scope 3: Other (upstream) (metric tons CO2e)**

**Scope 3: Other (downstream) (metric tons CO2e)**

**Comment**

In 2021, we put the processes in place required to accurately compile and transparently report our energy usage and Scope 1 and Scope 2 greenhouse gas emissions. We also began the initial steps to quantify our Scope 3 emissions. Understanding the impact associated with the production, distribution and use of our products is critical in developing impactful projects that reduce our footprint.

**C-CG6.6**

**(C-CG6.6) Does your organization assess the life cycle emissions of any of its products or services?**

	Assessment of life cycle emissions	Comment
Row 1	No, and we do not plan to start doing so within the next two years	

**C6.7**

**(C6.7) Are carbon dioxide emissions from biogenic carbon relevant to your organization?**

No

**C6.10**

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

**Intensity figure**

0.09

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

294,400

**Metric denominator**

unit total revenue

**Metric denominator: Unit total**

3,264,000,000

**Scope 2 figure used**

Location-based

**% change from previous year**

6.3

**Direction of change**

Decreased

**Reason for change**

As the world's leading energy storage manufacturer, we recognize our responsibility to reduce our footprint while supporting our customers' carbon goals through the highest quality energy storage products and services. Consequently, we are actively seeking to reduce our direct and indirect greenhouse gas emissions by increasing the efficiency of our operations and exploring renewable energy sources for our facilities.

---

**Intensity figure**

22.57

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

13,046

**Metric denominator**

Other, please specify  
Megawatt hours of storage produced

**Metric denominator: Unit total**

289,000

**Scope 2 figure used**

Location-based

**% change from previous year**

9.2

**Direction of change**

Decreased

**Reason for change**

As the world's leading energy storage manufacturer, we recognize our responsibility to reduce our footprint while supporting our customers' carbon goals through the highest quality energy storage products and services. Consequently, we are actively seeking to reduce our direct and indirect greenhouse gas emissions by increasing the efficiency of our operations and exploring renewable energy sources for our facilities.

## C7. Emissions breakdowns

### C7.1

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

Yes

## C7.1a

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

Greenhouse gas	Scope 1 emissions (metric tons of CO2e)	GWP Reference
----------------	---	---------------

## C7.2

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

Country/Region	Scope 1 emissions (metric tons CO2e)
Argentina	7
Australia	185
Austria	11
Belgium	20
Brazil	602
Canada	542
China	1,033
Czechia	479
France	5,924
Bulgaria	0
Chile	0
Finland	0
Germany	1,854
Greece	0

Hungary	62
India	22
Italy	25
Japan	1
Kazakhstan	1
Luxembourg	0
Malaysia	0
Mexico	1,449
Morocco	0
Netherlands	55
New Zealand	0
Philippines	0
Poland	699
Russian Federation	30
Singapore	0
Slovakia	8
Spain	0
Sweden	0
Switzerland	0
Turkey	0
Ukraine	0
United Arab Emirates	0

United Kingdom of Great Britain and Northern Ireland	3,938
United States of America	27,630

### C7.3

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

### C7.5

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

Country/Region	Scope 2, location-based (metric tons CO2e)	Scope 2, market-based (metric tons CO2e)
Argentina	208	
Australia	974	
Austria	5	
Belgium	10	
Brazil	553	
Bulgaria	4	
Canada	321	
Chile	7	
China	25,412	
Czechia	965	
Finland	1	
France	3,953	
Germany	2,800	

Greece	4	
Hungary	39	
India	619	
Italy	38	
Japan	8	
Kazakhstan	2	
Luxembourg	0	
Malaysia	200	
Mexico	21,984	
Morocco	8	
Netherlands	27	
New Zealand	9	
Philippines	23	
Poland	37,504	
Russian Federation	12	
Singapore	109	
Slovakia	5	
Spain	27	
Sweden	3	
Switzerland	3	
Turkey	11	
Ukraine	21	

United Arab Emirates	27	
United Kingdom of Great Britain and Northern Ireland	6,289	
United States of America	141,188	

## C7.6

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

## C7.9

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

This is our first year of reporting, so we cannot compare to last year

## C-CG7.10

**(C-CG7.10) How do your total Scope 3 emissions for the reporting year compare to those of the previous reporting year?**

We don't have any Scope 3 emissions data

## 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.**

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

## C8.2a

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

	Heating value	MWh from renewable sources	MWh from non-renewable sources	Total (renewable and non-renewable) MWh
Consumption of fuel (excluding feedstock)	Unable to confirm heating value			
Consumption of purchased or acquired electricity				
Consumption of purchased or acquired heat				
Consumption of self-generated non-fuel renewable energy				
Total energy consumption				

## C8.2b

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

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

## C8.2c

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

### Sustainable biomass

#### Heating value

Unable to confirm heating value

#### Total fuel MWh consumed by the organization

0

#### Comment

We do not consume sustainable biomass

### Other biomass

#### Heating value

Unable to confirm heating value

**Total fuel MWh consumed by the organization**

0

**Comment**

We do not consume this

**Other renewable fuels (e.g. renewable hydrogen)**

---

**Heating value**

Unable to confirm heating value

**Total fuel MWh consumed by the organization**

0

**Comment**

We do not consume this

**Coal**

---

**Heating value**

Unable to confirm heating value

**Total fuel MWh consumed by the organization**

23.04

**Comment**

**Oil**

---

**Heating value**

Unable to confirm heating value

**Total fuel MWh consumed by the organization**

0

**Comment**

We do not consume this

**Gas**

---

**Heating value**

Unable to confirm heating value

**Total fuel MWh consumed by the organization**

242,881

**Comment**

**Other non-renewable fuels (e.g. non-renewable hydrogen)**

---

**Heating value**

Unable to confirm heating value

**Total fuel MWh consumed by the organization**

315.3

**Comment**

Includes LPG and Propane

**Total fuel**

---

**Heating value**

Unable to confirm heating value

**Total fuel MWh consumed by the organization**

243,219

**Comment**

## C8.2d

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

	Total Gross generation (MWh)	Generation that is consumed by the organization (MWh)	Gross generation from renewable sources (MWh)	Generation from renewable sources that is consumed by the organization (MWh)
Electricity	0.24	0.24	0.24	0.24
Heat	243,219	243,219	0	0
Steam	0	0	0	0
Cooling				

## C8.2g

**(C8.2g) Provide a breakdown of your non-fuel energy consumption by country.**

## C-CG8.5

**(C-CG8.5) Does your organization measure the efficiency of any of its products or services?**

	Measurement of product/service efficiency	Comment
Row 1	No, but we plan to start doing so within the next two years	We are working to establish a robust, ambitious and measurable goal around our products' sustainability

## C9. Additional metrics

### C9.1

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

---

**Description**

Energy usage

**Metric value**

**Metric numerator**

**Metric denominator (intensity metric only)**

**% change from previous year**

**Direction of change**

**Please explain**

As we produced more and made efforts to reduce energy use, we became more efficient.

## C-CE9.6/C-CG9.6/C-CH9.6/C-CN9.6/C-CO9.6/C-EU9.6/C-MM9.6/C-OG9.6/C-RE9.6/C-ST9.6/C-TO9.6/C-TS9.6

**(C-CE9.6/C-CG9.6/C-CH9.6/C-CN9.6/C-CO9.6/C-EU9.6/C-MM9.6/C-OG9.6/C-RE9.6/C-ST9.6/C-TO9.6/C-TS9.6) Does your organization invest in research and development (R&D) of low-carbon products or services related to your sector activities?**

	Investment in low-carbon R&D	Comment
Row 1	No	<p>EnerSys is a stored energy solutions provider for industrial applications. Among our products, we provide application-specific batteries, high-efficiency, and reliable chargers, monitoring and fleet management, complete energy systems, and a full range of services that ensure power delivery.</p> <p>Reliability, resilience, and sustainability are at the core of EnerSys' beliefs since our products help address some of our world's most significant challenges, such as efficient and affordable distribution of goods, grid reliability, telecommunications, medical safety, and even climate change. Moreover, our batteries and energy storage solutions are part of building a resilient, low-carbon future.</p> <p>The company's commitment to sustainability encompasses many important environmental, social, and governance issues. Sustainability is central to how EnerSys manages our operations. Minimizing our environmental footprint is a priority. Sustainability is our commitment to our employees, customers, and the communities we serve. Our products facilitate positive environmental, social, and economic impacts worldwide.</p>

## C10. Verification

### C10.1

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

	Verification/assurance status
Scope 1	No third-party verification or assurance
Scope 2 (location-based or market-based)	No third-party verification or assurance
Scope 3	No emissions data provided

## 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, we do not verify any other climate-related information reported in our CDP disclosure

## C11. Carbon pricing

### C11.1

**(C11.1) Are any of your operations or activities regulated by a carbon pricing system (i.e. ETS, Cap & Trade or Carbon Tax)?**

No, and we do not anticipate being regulated in the next three years

### C11.2

**(C11.2) Has your organization originated or purchased any project-based carbon credits within the reporting period?**

No

### C11.3

**(C11.3) Does your organization use an internal price on carbon?**

No, and we do not currently anticipate doing so in the next two years

## C12. Engagement

### C12.1

**(C12.1) Do you engage with your value chain on climate-related issues?**

Yes, our customers/clients

Yes, other partners in the value chain

### C12.1b

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

---

#### Type of engagement & Details of engagement

% of customers by number

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

#### Please explain the rationale for selecting this group of customers and scope of engagement

EnerSys mainly serves other businesses, organizations, and agencies. Similar to EnerSys, many of these groups are looking to improve their own climate policies and actions. Therefore, EnerSys has committed to working with these customers so that both parties can work towards more environmentally conscious operations

#### Impact of engagement, including measures of success

We are at the beginning stages and do not yet have concrete impacts, however we know many of our products enable our customers to lower their energy use and therefore climate impact.

Example: ENERSYS® HELPS BIG-BOX HOME IMPROVEMENT RETAILER BOOST SUSTAINABILITY - <https://www.enersys.com/en/about-us/news/enersys-helps-home-improvement-retailer-boost-sustainability/>

---

### **Type of engagement & Details of engagement**

Education/information sharing

Run an engagement campaign to educate customers about the climate change impacts of (using) your products, goods, and/or services

### **% of customers by number**

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

### **Please explain the rationale for selecting this group of customers and scope of engagement**

Many of EnerSys' customers have made carbon, climate and environmental goals in recent years. EnerSys is committed to providing these customers with the tools necessary to achieve these goals. Therefore, we regularly work with customers to understand how we can better help them achieve these goals - whether it is by product innovation, or by our services (such as battery recycling).

### **Impact of engagement, including measures of success**

See links below

[https://www.enersys.com/en/about-us/sustainability/stories\\_worth\\_sharing/how-lift-truck-battery-technology-reduces-greenhouse-gasses/](https://www.enersys.com/en/about-us/sustainability/stories_worth_sharing/how-lift-truck-battery-technology-reduces-greenhouse-gasses/)

[https://www.enersys.com/en/about-us/sustainability/stories\\_worth\\_sharing/a\\_climate\\_and\\_cost-friendly\\_alternative\\_to\\_idling\\_diesel\\_emissions/](https://www.enersys.com/en/about-us/sustainability/stories_worth_sharing/a_climate_and_cost-friendly_alternative_to_idling_diesel_emissions/)

[https://www.enersys.com/en/about-us/sustainability/stories\\_worth\\_sharing/backup\\_batteries\\_are\\_more\\_sustainable\\_than\\_power\\_generators/](https://www.enersys.com/en/about-us/sustainability/stories_worth_sharing/backup_batteries_are_more_sustainable_than_power_generators/)

## **C12.1d**

**(C12.1d) Give details of your climate-related engagement strategy with other partners in the value chain.**

Our products, which support sustainability goals globally, require specific minerals and materials to produce. We recognize our responsibility at EnerSys to manage risks associated with the use of these critical minerals, including physical limits on availability and access, changes in price, regulatory, reputational, environmental and human rights risks. We report annually on our findings regarding Conflict Minerals, as required by Section 1502 of the Dodd-Frank Act, in our annual Conflict Minerals Report. For our lithium-ion batteries, we also only source cobalt, the mining of which poses serious human rights and environmental concerns, from suppliers that are committed to adopting the OECD Due Diligence Guidance for Responsible Supply Chains of Minerals from Conflict-Affected and High-Risk Areas. Our strategy to reduce supply risks to our value chain from critical minerals, like cobalt, is to invest in recycling and the realization of a circular economy.”

We are working in partnership with trade associations and industry experts to develop a circular lithium-ion battery recycling process similar to what is already in place for lead-acid batteries. We know that lithium-ion batteries bring different challenges at end-of-use, and we aim to ensure that solutions are developed to recover, recycle and reuse those batteries, just as we have done for lead batteries. We support the development of new technologies for recovering lithium-ion battery parts for recycling. We are especially interested in new processes that are less impactful on the environment, whether that’s through a lower carbon footprint or producing less per- and polyfluoroalkyl substances (PFAS). We will continue to work with our industry associations to seek out partners to advance the recycling of our lithium-ion battery products.

## C12.2

**(C12.2) Do your suppliers have to meet climate-related requirements as part of your organization’s purchasing process?**

No, but we plan to introduce climate-related requirements within the next two years

## C12.3

**(C12.3) Does your organization engage in activities that could either directly or indirectly influence policy, law, or regulation that may impact the climate?**

Row 1

---

**Direct or indirect engagement that could influence policy, law, or regulation that may impact the climate**

Yes, we engage indirectly through trade associations

**Does your organization have a public commitment or position statement to conduct your engagement activities in line with the goals of the Paris Agreement?**

**Describe the process(es) your organization has in place to ensure that your engagement activities are consistent with your overall climate change strategy**

EnerSys has in place an Enterprise Risk Management Program, that, among other things, is designed to identify risks across the company with input from each business unit and function. Material risks are identified and prioritized by management and its risk committee that reports to the Audit Committee, and each prioritized risk is referred to the appropriate committee of the Board for oversight

## C12.3b

**(C12.3b) Provide details of the trade associations your organization engages with which are likely to take a position on any policy, law or regulation that may impact the climate.**

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### **Trade association**

Other, please specify

Association for Advancing Automation

**Is your organization's position on climate change consistent with theirs?**

Consistent

**Has your organization influenced, or is your organization attempting to influence their position?**

We are not attempting to influence their position

**State the trade association's position on climate change, explain where your organization's position differs, and how you are attempting to influence their position (if applicable)**

Resources offered for climate adjustments, but no official requirements

**Funding figure your organization provided to this trade association in the reporting year, if applicable (currency as selected in C0.4) (optional)**

**Describe the aim of your organization's funding**

**Have you evaluated whether your organization's engagement with this trade association is aligned with the goals of the Paris Agreement?**

---

**Trade association**

Other, please specify

Alliance to Save Energy

**Is your organization's position on climate change consistent with theirs?**

Consistent

**Has your organization influenced, or is your organization attempting to influence their position?**

We are not attempting to influence their position

**State the trade association's position on climate change, explain where your organization's position differs, and how you are attempting to influence their position (if applicable)**

The Energy 2040 Commission

The goal is to achieve a clean energy future through decarbonization

This commission is in addition to the Alliance to Save Energy

Active Efficiency Collaborative

The mission is to accelerate the adoption of Active Efficiency principles by deepening collaboration among stakeholders, cultivating champions, and developing strategies

**Funding figure your organization provided to this trade association in the reporting year, if applicable (currency as selected in C0.4) (optional)**

**Describe the aim of your organization's funding**

**Have you evaluated whether your organization's engagement with this trade association is aligned with the goals of the Paris Agreement?**

---

**Trade association**

Other, please specify

Battery Council International

**Is your organization's position on climate change consistent with theirs?**

Consistent

**Has your organization influenced, or is your organization attempting to influence their position?**

We are not attempting to influence their position

**State the trade association's position on climate change, explain where your organization's position differs, and how you are attempting to influence their position (if applicable)**

Lead batteries are essential to building energy independence. They employ the most sustainable battery technology to aid in both mitigating climate change and securing energy independence for our country.

**Funding figure your organization provided to this trade association in the reporting year, if applicable (currency as selected in C0.4) (optional)**

**Describe the aim of your organization's funding**

**Have you evaluated whether your organization's engagement with this trade association is aligned with the goals of the Paris Agreement?**

---

**Trade association**

Other, please specify

Consortium for Battery Innovation

**Is your organization's position on climate change consistent with theirs?**

Consistent

**Has your organization influenced, or is your organization attempting to influence their position?**

We are not attempting to influence their position

**State the trade association's position on climate change, explain where your organization's position differs, and how you are attempting to influence their position (if applicable)**

Societies across the globe are transitioning to a more sustainable, green and environmentally-friendly future. Through clean mobility by increasing adoption of electric vehicles, to clean energy generation through renewables, to greater circular economy of products – these are all vital ways in which lead batteries are supporting a more sustainable world.

**Funding figure your organization provided to this trade association in the reporting year, if applicable (currency as selected in C0.4) (optional)**

**Describe the aim of your organization's funding**

**Have you evaluated whether your organization's engagement with this trade association is aligned with the goals of the Paris Agreement?**

---

**Trade association**

Other, please specify  
Eurobat

**Is your organization's position on climate change consistent with theirs?**

Consistent

**Has your organization influenced, or is your organization attempting to influence their position?**

We are not attempting to influence their position

**State the trade association's position on climate change, explain where your organization's position differs, and how you are attempting to influence their position (if applicable)**

EuroBat follows the EU policies on most sustainable processes, mostly looking at the Paris Climate Agreement  
Climate neutral by 2050  
Charge the Future  
Charge the Future demonstrates how lead batteries and the lead battery industry are supporting Europe's low carbon future

**Funding figure your organization provided to this trade association in the reporting year, if applicable (currency as selected in C0.4) (optional)**

**Describe the aim of your organization's funding**

**Have you evaluated whether your organization's engagement with this trade association is aligned with the goals of the Paris Agreement?**

Yes, we have evaluated, and it is aligned

## **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**

Complete

### **Attach the document**

 enersys-sustainability-report-2021-041922.pdf

### **Page/Section reference**

Pages 2, 15,16, 17 and the Our Sustainability Commitment, Our Environment and, Our Governance sections

### **Content elements**

Governance

Strategy

Risks & opportunities

Other metrics

### Comment

The online version can be viewed here: <https://www.enersys.com/en/about-us/sustainability/sustainability-report/>

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### Publication

In voluntary communications

### Status

Complete

### Attach the document

 enersys\_environmental-data-2021\_072522.pdf

### Page/Section reference

Second page contains the data

### Content elements

Emissions figures  
Other metrics

### Comment

## C15. Biodiversity

### C15.1

**(C15.1) Is there board-level oversight and/or executive management-level responsibility for biodiversity-related issues within your organization?**

July 27, 2022

EnerSys response to CDP Climate Change 2022  
108

	Board-level oversight and/or executive management-level responsibility for biodiversity-related issues	Description of oversight and objectives relating to biodiversity
Row 1	Yes, board-level oversight	<p>EnerSys utilizes a broad-level oversight approach when it comes to addressing biodiversity-related issues. The EnerSys Biodiversity and Critical Habitats Policy recognizes the importance of being involved in environmental management. The EnerSys Biodiversity and Critical Habitats Policy highlights the company's commitments to evaluate environmental impacts, and also has a project framework. This framework intends to create biodiversity action plans, engage stakeholders on the importance of biodiversity, work with environmental groups, and achieve a net neutral biodiversity impact on ecologically sensitive areas.</p> <p>EnerSys has implemented a battery-recycling program that ensures lead batteries can be re-used and disposed of without causing environmental impacts.</p>

## C15.2

**(C15.2) Has your organization made a public commitment and/or endorsed any initiatives related to biodiversity?**

	Indicate whether your organization made a public commitment or endorsed any initiatives related to biodiversity	Biodiversity-related public commitments	Initiatives endorsed
Row 1	Yes, we have made public commitments and publicly endorsed initiatives related to biodiversity	Commitment to No Net Loss Adoption of the mitigation hierarchy approach Commitment to respect legally designated protected areas	CBD – Global Biodiversity Framework SDG

## C15.3

**(C15.3) Does your organization assess the impact of its value chain on biodiversity?**

Does your organization assess the impact of its value chain on biodiversity?
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Row 1	No, and we do not plan to assess biodiversity-related impacts within the next two years
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## C15.4

**(C15.4) What actions has your organization taken in the reporting year to progress your biodiversity-related commitments?**

	Have you taken any actions in the reporting period to progress your biodiversity-related commitments?	Type of action taken to progress biodiversity-related commitments
Row 1	Yes, we are taking actions to progress our biodiversity-related commitments	Land/water management Education & awareness

## C15.5

**(C15.5) Does your organization use biodiversity indicators to monitor performance across its activities?**

	Does your organization use indicators to monitor biodiversity performance?	Indicators used to monitor biodiversity performance
Row 1	Yes, we use indicators	Other, please specify - EnerSys commits to evaluate the impacts of new construction and expansion projects, comply with relevant host country laws, and apply a mitigation hierarchy to offset impacts

## C15.6

**(C15.6) Have you published information about your organization's response to biodiversity-related issues for this reporting year in places other than in your CDP response? If so, please attach the publication(s).**

Report type	Content elements	Attach the document and indicate where in the document the relevant biodiversity information is located
In voluntary sustainability report or other voluntary communications	Content of biodiversity-related policies or commitments	Page 45  1, 2

	Impacts on biodiversity Biodiversity strategy	
--	--	--

 <sup>1</sup>enersys-sustainability-report-2021-041922.pdf

 <sup>2</sup>enersys-biodiversity-and-critical-habitats-policy.pdf

## C16. Signoff

### C-FI

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

### C16.1

**(C16.1) Provide details for the person that has signed off (approved) your CDP climate change response.**

	Job title	Corresponding job category
Row 1	Senior Director, Global Sustainability	Environment/Sustainability manager

## SC. Supply chain module

### SC0.0

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

## SC0.1

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

	Annual Revenue
Row 1	

## 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?**

Allocation challenges	Please explain what would help you overcome these challenges
-----------------------	--

## SC1.4

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

## SC2.1

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

## SC2.2

(SC2.2) Have requests or initiatives by CDP Supply Chain members prompted your organization to take organizational-level emissions reduction initiatives?

## SC4.1

(SC4.1) Are you providing product level data for your organization's goods or services?

## Submit your response

In which language are you submitting your response?

English

Please confirm how your response should be handled by CDP

	I understand that my response will be shared with all requesting stakeholders	Response permission
Please select your submission options	Yes	Public

**Please confirm below**

I have read and accept the applicable Terms