Eversource Energy - Climate Change 2021

C0. Introduction

C0.1

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

Eversource Energy (NYSE: ES) operates New England's largest energy delivery system. Eversource is committed to safety, reliability, environmental leadership and stewardship for its 4.3 million electric, natural gas and water customers in Connecticut, Massachusetts and New Hampshire. Sustainability is an integral part of Eversource's operations and strategy. Eversource is a public utility holding company. Its utility subsidiaries are The Connecticut Light and Power Company (CL&P), NSTAR Electric Company (NSTAR Electric), Public Service Company of New Hampshire (PSNH), NSTAR Gas Company (NSTAR Gas), Eversource Gas Company of Massachusetts (EGMA), Yankee Gas Company (Yankee Gas) and Aquarion Water Company (Aquarion). Eversource is engaged primarily in the energy and water delivery business. Eversource's electric utilities are primarily involved in the transmission and distribution of electricity and serve industrial, commercial and residential customers. Our natural gas subsidiaries also serve industrial, commercial and residential customers. Aquarion Water serves residential, commercial, industrial and fire protection customers.

With climate change as one of the greatest challenges facing the globe, we know timely action and innovative solutions are vitally important. We also know Eversource is in a unique position to meet the essential energy needs of our customers while serving as a catalyst for clean energy that will enable us to realize a low-carbon future. In doing so, we will help curb our region's emissions from the electricity, space heating and transportation sectors, serving a critical role in achieving ambitious emission reduction targets in the states where we operate.

We believe it is important to lead by example and our goal to achieve carbon neutrality by 2030 is one key way we are demonstrating this industry leadership. We share the concerns held by many of our stakeholders regarding climate change and we are committed to do our part to respond with appropriate solutions. The many actions we are taking are outlined throughout our Eversource Sustainability Report, which is attached and available online at https://www.eversource.com/content/ct-c/about/sustainability/focus-areas/sustainability-report.

Safe Harbor Statement: References and forward-looking statements in this CDP Climate Change Questionnaire including discussions of risks and opportunities are based on our best assessments and expectations related to Eversource's current and future performance related to climate-change. The responses to questions in this filing should not be given undue reliance pursuant to the terms described in Eversource's Safe Harbor Statement Under the Private Securities Litigation Reform Act of 1995 provided in our 2020 Annual Report on Form 10-K.

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 2020	December 31 2020	No	<Not Applicable>

C0.3

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

United States of America

C0.4

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

USD

C0.5

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

Operational control

C-EU0.7

(C-EU0.7) Which part of the electric utilities value chain does your organization operate in? Select all that apply.

Row 1

Electric utilities value chain

Electricity generation
Transmission
Distribution

Other divisions

Gas storage, transmission and distribution
Battery storage

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)	Eversource's President and Chief Executive Officer has overall responsibility for managing the company's business strategy, including issues related to climate change. This position reports to the Board of Trustees, which both as a whole and through its Committees is responsible for the oversight of the Company's risk management processes and programs, along with comprehensive operating and strategic planning and climate-related initiatives such as the Company's goal to be carbon neutral in its operations by 2030. To accomplish this goal, we are focusing on reducing our emissions in five key operational areas: 1) reducing line loss (energy lost when power is transmitted and distributed across our distribution system) by enabling a cleaner mix of energy in the grid and improving efficiencies in our transmission infrastructure; 2) replacing aging steel and cast-iron pipes in our natural gas distribution system to reduce methane leaks; 3) reducing electricity and fuel use at our offices and facilities by upgrading our HVAC equipment with more efficient models, and replacing energy-intensive lighting with LEDs; 4) adding electric and hybrid vehicles to our fleet; and 5) adopting innovative solutions to replace the commonly used sulfur hexafluoride used in electric equipment. Our strategy, overseen by our CEO and Board, includes decisions to make investments that will lower emissions and mitigate the impacts of climate change including infrastructure to continue delivering reliable energy to our customers and enable the integration of clean energy resources and electric vehicle adoption. Our system hardening and grid modernization programs are also designed to mitigate the impact of severe weather events due to climate change.
Board-level committee	The Eversource Board of Trustees Finance Committee is responsible for oversight of Eversource's Enterprise Risk Management Program, which includes comprehensive practices to assess, monitor and mitigate risk exposures, including those related to climate change, all as outlined in our Annual Report and Proxy Statement. Additionally, the Governance, Environmental, and Social Responsibility Committee oversees the Company's ESG, sustainability, and social responsibility strategy, programs, policies, risks, and performance which includes our 2030 Carbon Neutrality Goal. The Audit Committee oversees financial risk exposures and climate-related compliance, while the Compensation Committee includes sustainability metrics and goals in the Company's executive annual incentive compensation program.
Chief Operating Officer (COO)	Officers reporting to the Executive Vice President and Chief Operating Officer have responsibility for the reliability and resiliency of our electric and natural gas operations. This is an important aspect of Eversource's response to Climate Change and promoting adaptation in the midst of more severe and more frequent storm events that could impact our network.

C1.1b

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

Frequency with which climate-related issues are a scheduled agenda item	Governance mechanisms into which climate-related issues are integrated	Scope of board-level oversight	Please explain
Scheduled – some meetings	Reviewing and guiding strategy Reviewing and guiding major plans of action Reviewing and guiding risk management policies Reviewing and guiding annual budgets Reviewing and guiding business plans Setting performance objectives Monitoring implementation and performance of objectives Overseeing major capital expenditures, acquisitions and divestitures Monitoring and overseeing progress against goals and targets for addressing climate-related issues	<Not Applicable>	Our Board held 9 meetings in 2020, and with Committees held a total of 26 meetings during which they reviewed and discussed performance reports, Company plans and prospects, and any immediate issues. (See p. 19 of our 2021 Proxy Statement) The Board's Governance, Environmental and Social Responsibility Committee oversees sustainability strategy, programs, policies, risks, and performance. Our Enterprise Risk Management program is overseen by the Finance Committee. Management identifies and analyses known and emerging risks, including those related to climate change, to determine materiality, likelihood and impact, and develops mitigation strategies. The findings are discussed with the Finance Committee and full Board, including reporting on an individual risk-by-risk basis on how issues are being measured and managed. Pages 15-20 of our 2020 Annual Report (see C12.4) identifies climate change related risk factors, including impacts from severe weather, regulatory compliance and water availability and quality. Our Board implements and monitors performance metrics related to climate change such as reliability and restoration performance, gas emergency response, safety and energy efficiency targets and an ESG performance metric. Our Board also reviews and guides strategy and major plans of action to mitigate the impact of climate change and pursue opportunities to bring clean energy to the region, lower our emissions, strengthen our infrastructure and enable emerging technologies. All Board Committee Chairs report to the Board following Committee meetings to discuss comprehensive operating and strategic planning, including long-term objectives, specific strategies to achieve goals, and plans to implement each strategy. The operating plan, consisting of goals and objectives for the year, key performance indicators and financial forecasts, was reviewed and approved by the Board in Feb. 2020. Examples of strategic initiatives discussed during scheduled board meetings related to climate change include: • Advancing our partnership with Ørsted to develop 4,000 MW of offshore wind projects. • $3.1B invested in our core businesses in 2020, with the majority invested in our electric distribution and transmission systems. These investments helped the Company achieve top-decile performance in the industry for electric system reliability in 2020. We are increasing the rate of gas pipeline replacements, improving system safety and environmental performance • Grid modernization and engineering advances, including EV infrastructure and energy storage • Our goal to be carbon neutral in our operations by 2030. • Electric and natural gas system improvements to help customers manage their energy use. • Annual presentation on sustainability efforts. • Climate change as a risk and opportunity during the annual presentation on risk to the Finance Committee.

C1.2

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

Name of the position(s) and/or committee(s)	Reporting line	Responsibility	Coverage of responsibility	Frequency of reporting to the board on climate-related issues
Chief Financial Officer (CFO)	<Not Applicable>	Both assessing and managing climate-related risks and opportunities	<Not Applicable>	More frequently than quarterly
Other, please specify (Executive Vice President – Corporate Relations and Sustainability)	<Not Applicable>	Both assessing and managing climate-related risks and opportunities	<Not Applicable>	As important matters arise
Other, please specify (Executive Vice President, Customer Experience & Energy Strategy)	<Not Applicable>	Both assessing and managing climate-related risks and opportunities	<Not Applicable>	As important matters arise

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).

Our CFO serves as Chair of our Risk Committee, which oversees our Enterprise Risk Management (ERM) program. In this capacity, he reports to the Board of Trustees Finance Committee on climate-related risks and opportunities. Our ERM program involves the application of a well-defined enterprise-wide methodology designed to allow our executives to identify, categorize, prioritize, and mitigate the principal risks to the Company. It is integrated with other assurance functions throughout the Company to ensure appropriate coverage of risks that could impact the Company. In addition to known risks, the program identifies emerging risks to the Company, through participation in industry groups, discussions with management, and in consultation with outside advisers. Our management then analyzes the risks to determine materiality, likelihood and impact, and develops formal mitigation strategies. Management broadly considers our business model, the utility industry, the global and local economy, climate change, sustainability, and the current political environment to identify risks. The findings of this process are discussed with the Finance Committee and the full Board, including reporting on an individual risk-by-risk basis on how these issues are being measured and managed.

Eversource's President and CEO reports directly to our Executive Chairman. He oversees the Executive Vice President, Corporate Relations & Sustainability and the Executive Vice President, Customer Experience & Energy Strategy. The work of this group is reported to our Board on a regular basis and includes matters related to climate change including regulatory developments, environmental compliance, strategy development and implementation of projects that lower emissions and increase the reliability and resiliency of our system, as well as business opportunities that meet the expectations of our customers, shareholders and other stakeholders. Examples of current initiatives include our goal to be carbon neutral in our operations by 2030, offshore wind projects, electric vehicle infrastructure expansion and energy storage projects.

C1.3

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

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

C1.3a

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

Entitled to incentive	Type of incentive	Activity inventivized	Comment
Corporate executive team	Monetary reward	Emissions reduction project	In 2020, we had an operational performance goal to advance clean energy. With respect to offshore wind, we continued to advance the New London State Pier project in CT, giving our partnership access to the leading offshore wind port in the Northeast, and submitted Construction and Operating Plans with the Bureau of Ocean Energy Management for two offshore wind projects. In June 2020, we began construction of a first- in-the-nation community battery storage project in MA. Our electric vehicle charging infrastructure program met its 2020 targets. Eversource also maintained its energy efficiency status as the leading energy efficiency provider in the nation per the American Council for an Energy-Efficient Economy. The Board determined this goal to have attained a 125% performance result.
Corporate executive team	Monetary reward	Company performance against a climate-related sustainability index	In 2020, Eversource had an operational performance goal to be in the 75th percentile of a peer group of comparable U.S. utilities whose ESG performance is assessed by two leading sustainability rating firms, which includes assessments related to GHG emissions and climate change actions. Eversource's average score ranked in the top decile of the peer group in 2020. Our Board determined this goal to have attained a 150% result.

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	3	The Board of Trustees oversees the Company's comprehensive operating and strategic planning including matters related to climate-change. The operating plan takes into account risks and opportunities and is reviewed and formally approved by the Board in February of each year following review by the Finance Committee. The plan consists of goals and objectives for the year, key performance indicators, and financial forecasts and the plan assumptions are risk assessed with the Enterprise Risk Management Group.
Medium-term	3	10	The Board of Trustees oversees the Company's comprehensive operating and strategic planning, which consists of medium--term corporate objectives, specific strategies to achieve those goals, and plans designed to implement each strategy.
Long-term	10	20	The Board of Trustees oversees the Company's comprehensive operating and strategic planning, which consists of long-term corporate objectives, specific strategies to achieve those goals, and plans designed to implement each strategy.

C2.1b

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

Eversource's Board of Trustees oversees the Company's comprehensive operating and strategic planning. The operating plan, which is reviewed and formally approved by the Board in February following review by the Finance Committee, consists of the goals and objectives for the year, key performance indicators, and financial forecasts. The strategic planning process consists of short-, medium- and long-term corporate objectives, specific strategies to achieve those goals, and plans designed to implement each strategy. Substantive financial and strategic impacts are those considered material to the Company including the ability to conduct normal operations, serve customers and deliver value to shareholders.

The Enterprise Risk Management (ERM) program is integrated with the annual operating and strategic planning processes to identify the key financial risks associated with the plan. These financial risks are presented to the Board of Trustees as part of both of the annual operating plan and the Board's annual strategic planning session. The Enterprise Risk Management process considers both likelihood and impact on a 1-5 scale. Considerations for impact include financial, strategic, reputation, operational, customers and environment/safety.

· Financial impacts are considered against the annual budget and earnings per share guidance provided to the investing community.

· Strategic impacts are considered a major delay or inability to execute a strategic objective.

· Reputation is considered criticism that results in negative regulation/legislation action.

· Operational impacts are considered a significant, lengthy outage of our system.

· Customer impacts are considered a significant, adverse impact to all customers' perception of Eversource.

· Environmental/Safety impacts are considered incidents resulting in irreparable damage to a person or the environment.

Substantive impacts would be considered a 4-5 rating on our 5-point scale. We evaluate substantive risks related to climate change each year both at our subsidiary level and the Eversource enterprise level. In the context of climate-related risks this could include the cost to ensure system reliability and resiliency in the face of increasingly severe weather due to climate change, the strategic and financial impact of regulatory changes including regional carbon reduction goals, and strategic initiatives to help mitigate the impact of climate change and meet the evolving expectations of our stakeholders, such as clean energy investments, grid modernization and EV infrastructure.

C2.2

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

Value chain stage(s) covered
Direct operations
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
Enterprise Risk Management for Climate Change Impacts: Eversource continually identifies, assesses and responds to risks to our system as a result of climate change through our dedicated Enterprise Risk Management (ERM) program on short-, medium- and long-term time horizons. The Finance Committee is responsible for oversight of the Company's ERM program and enterprise-wide risks, as well as specific risks associated with insurance, credit, financing and pension investments. Our ERM program involves the application of a well-defined, enterprise-wide methodology designed to allow our executives to quantify, identify, categorize, prioritize, and mitigate the principal risks to the Company. The ERM program is integrated with other assurance functions throughout the Company, including compliance, auditing, and insurance to ensure appropriate coverage of risks that could have substantive financial or strategic impact to the Company. In 2020, the Company initiated an investigation of available options to transfer risk related to the increase in frequency and severity of storms due to climate change. The top enterprise-wide and business level risks are identified using a comprehensive cross functional analysis working with key officers and employees within the Company and are monitored throughout the year by the Company's Risk Committee. Management broadly considers our business model, the utility industry, the global and local economy, climate change, sustainability and the current political and economic environment to identify risks. Climate change is considered a risk accelerator and driver of many of our top enterprise risks which have formal, actionable mitigation plans associated with them including the risk of increasingly severe weather. In addition to known risks, the ERM program identifies emerging risks through participation in industry groups, discussions with management, and in consultation with outside advisers. Our management then assesses the risks to determine materiality, likelihood and impact, and develops mitigation strategies to respond to risks. Periodically, the ERM group will perform a correlation exercise to determine the influence the top enterprise risks may have on one another's likelihood and impact. The findings of this process are discussed with the Finance Committee and the full Board, including reporting on an individual risk-by-risk basis on how these issues are being measured and managed. Risks identified during the ERM process have formal, actionable, measurable mitigation plans, are monitored on a regular basis, and are reported to the Risk Committee and Executive management quarterly and annually, respectively. In addition to the regularly scheduled reports by ERM of all of the company's enterprise-wide risks and the results of the ERM program, management reports periodically to both the Audit and Finance Committees in depth on specific top enterprise risks at the Company, including reporting on how these issues are being measured

and managed. ERM also reports regularly to the Finance Committee on the activities of the Company's Risk Committee, which consists of senior officers and is responsible for ensuring that the Company is managing its principal enterprise-wide risks, as well as other key risk areas such as operations, environmental, information technology, compliance and business continuity. Through this process, we use the outcomes of the risk assessment to inform our Company decision-making process. In 2020, we identified risks related to climate change including the physical risk from severe storms which may include an increase in sea levels and changes in weather conditions, such as changes in precipitation and extreme weather events. We have developed a robust resiliency plan to improve our system's ability to withstand severe weather patterns. The plan includes installing new and stronger infrastructure like poles, wires and related system equipment, as well as enhanced year-round tree trimming. We are reinforcing existing critical facilities to withstand storm surges, and all future substations are being "flood-hardened" to better protect our system against storm surges associated with the increasing risk of severe weather. Efforts to develop a long-term substation flood mitigation strategy were initiated in 2020. Predictive modelling methods were examined as a means to better assess flooding risk to substation infrastructure resulting from pending storms events due to climate change. The use of the data could potentially aid in real time operational decisions prior to a storm event and could be used as a basis for future electrical system planning and substation asset strategy and design. Responding to Physical Risks: One case study of identifying, assessing and responding to the physical risks of climate change related to severe weather is our work in the towns of Wellfleet, Truro and Provincetown, Massachusetts. These towns have experienced more than 15 major outage events over the last five years, representing over 45,000 customer outage hours. Our assessment determined that the construction of an innovative industry-leading battery energy storage solution at the tip of the Outer Cape in Provincetown would help to address the system reliability needs of the area and reduce outages by more than 50% for customers in Wellfleet, Truro and Provincetown, based on historic data. In 2020, we began construction of a 24.9 MW/38 MWh lithium-ion battery storage facility that will be capable of providing 1.5 to 3 hours of backup power in summer "peak" conditions and up to 10 hours in the winter, spring and fall (when most of the major outages have historically occurred). We expect the project to come online in 2021. Responding to Transitional Risks: A case study of identifying, assessing and responding to the transitional impacts of climate change is Eversource's investments in clean energy, which support our region's aggressive carbon reduction goals. Through our partnership with Ørsted we are developing more than 4,000 MW of offshore wind projects, with three projects representing more than 1,750 MW of clean, renewable energy contracted and currently advancing through the permitting process.

Value chain stage(s) covered
Direct operations
Downstream

Risk management process
A specific climate-related risk management process

Frequency of assessment
More than once a year

Time horizon(s) covered
Short-term
Medium-term
Long-term

Description of process
Responding to Storms: Eversource continuously identifies, assesses and responds to risks to our system as a result of climate change. We take measures to adapt to our changing climate and keep our communities safe during extreme weather events through our comprehensive emergency preparedness and resiliency plans. We also diligently maintain our system in preparation for potential storms through: • Overhead and electrical system hardening • Technology that isolates outages and efficiently reroutes electricity • Environmentally responsible vegetation management • Resilient designs in flood-prone areas Our employees are committed to ensuring that our comprehensive emergency preparedness and resiliency plans help keep our communities safe during extreme weather events. Severe storms can result in significant power outages and damage our physical infrastructure. We are responding to this risk by making significant investments in projects and upgrades to modernize our electric system, which enhances reliability for our customers, makes the electric grid more resilient to extreme weather events, as well as providing greater access to new renewable power sources. We are also partnering with leading research institutions and other stakeholders to develop strategies to enhance our preparation and minimize the impact from storms. We are evolving our analytics and automation practices on our distribution systems to reroute and restore service to our customers as quickly as possible. The distribution automation enhancements reduce the impact on customers affected by any single outage event by more than 25% on average. With tree trimming and our annual maintenance programs, we further mitigate distribution outages by reducing the impact of objects such as tree limbs that contact utility lines. One case study of how we are addressing both our physical and transitional risks and opportunities is our partnership with the Eversource Energy Center at the University of Connecticut, which has resulted in tools to help us continually identify and assess risks and create mitigation plans to respond to extreme weather events: The Eversource Energy Center is an innovative partnership targeting grid resilience, security, and modernization. With preparedness at the forefront of ensuring superior customer service, the University's Storm Outage Forecasting program delivers actionable information on the number and magnitude of predicted outage locations. Other results of the partnership include a forest management and public education initiative that aims to reduce the risk of power outages and other damage caused by wind-related tree failure, a flood vulnerability project, and research related to the integration of renewable generation. Eversource Energy Center research has led to new ways of evaluating the effectiveness of vegetation management in preventing power outages while protecting trees. To find an optimal combination of grid hardening investments that maximizes the reliability of the electrical system while minimizing the impact on roadside vegetation, a methodology has been created based on outage modelling and weather patterns that allows us to predict how effective different tree-trimming scenarios will be in reducing weather-related power outages. From this evaluation, research found that although the enhanced tree trimming is focused primarily on a very small percentage of the power lines, the number of outages during storms would have been 10% to 30% higher without it. Our partnership helps to reduce short term risks to our direct operations and downstream in our service to our customers, by creating a prediction model that forecasts where storms are likely to have the greatest impact, allowing us to prepare in advance to protect our system and accelerate restorations. Medium and long term risks are also evaluated through research that will guide grid hardening investments and initiatives to lessen tree-related damage to our infrastructure during storms.

Value chain stage(s) covered
Direct operations
Upstream

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
Reputational Risks: Because utility companies, including our electric, natural gas and water utility subsidiaries, have large customer bases, they are subject to adverse publicity focused on the reliability of their distribution services and the speed with which they are able to respond to electric outages, natural gas leaks and similar interruptions caused by storm damage or other unanticipated events. Adverse publicity of this kind could harm our reputation and the reputation of our subsidiaries; may make state legislatures, utility commissions and other regulatory authorities less likely to view us in a favorable light; and may cause us to be subject to less favorable legislative and regulatory outcomes or increased regulatory oversight. Unfavorable regulatory outcomes could result in physical and transitional risks including more

stringent laws and regulations governing our operations, such as reliability and customer service quality standards or vegetation management requirements, as well as fines, penalties or other sanctions or requirements. Our process to address these risks is integrated into many business functions including our regular engagement with state and industry leaders to ensure we are implementing best practices, responding to stakeholder concerns, and executing plans to enable a cleaner grid. One key way we are addressing the latter is through our partnership with Orsted through which we will deliver offshore wind to our region.

Value chain stage(s) covered
Direct operations

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
Eversource continually assesses risks to ensure we meet energy and water demands, which varies with weather conditions, primarily temperature and humidity. For residential customers, heating and cooling represent their largest energy use. For water customers, conservation measures imposed by the communities we serve could impact water usage. To the extent weather conditions are affected by climate change, customers' energy and water usage could increase or decrease depending on the duration and magnitude of the changes.

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	The Environmental Protection Agency mandated greenhouse gas emission reporting beginning in 2011 for emissions for certain aspects of our business including stationary combustion, volume of gas supplied to large customers and fugitive emissions of SF6 gas and methane. Monetary and operating impacts of climate related regulations are part of our risk assessments.
Emerging regulation	Relevant, always included	We are continually evaluating the regulatory risks and regulatory uncertainty presented by climate change concerns. Such concerns could potentially lead to additional rules and regulations that impact how we operate our general utility business. These could include federal "cap and trade" laws, carbon taxes, and fuel and energy taxes. We analyze costs of these potential regulations as part of our risk assessment and expect that any costs of these rules and regulations would be recovered from customers.
Technology	Relevant, always included	Eversource regularly assesses climate risks to our system and performs upgrades to bring new construction or retrofit construction to our enhanced design criteria, meeting or exceeding technology requirements of the National Electrical Safety Code. Investments typically target upgrades that will improve the ability of the system to withstand the impacts of rising sea level, wind, lightning, snow, ice and animals. Efforts to develop a long-term substation flood mitigation strategy were initiated in 2020. Predictive modeling methods were examined as a means to better assess flooding risk to substation infrastructure resulting from pending storms events and up to 50 years in advance due to climate change. The use of the data could potentially aid in real time operational decisions prior to a storm event and could be used as a basis for future electrical system planning and substation asset strategy and design.
Legal	Relevant, always included	Eversource, including various subsidiaries, is involved in legal, tax and regulatory proceedings regarding matters arising in the ordinary course of business, which involve management's assessment to determine the probability of whether a climate related loss will occur and, if probable, its best estimate of potential loss. For example, Eversource evaluates the costs and liability coverage of property insurance resulting from increased climate related storm severity.
Market	Relevant, always included	Eversource continually assesses risks to ensure we meet energy demand, which varies with weather conditions, primarily temperature and humidity. For residential customers, heating and cooling represent their largest energy use. For water customers, conservation measures imposed by the communities we serve could impact water usage. To the extent weather conditions are affected by climate change, customers' energy and water usage could increase or decrease depending on the duration and magnitude of the changes.
Reputation	Relevant, always included	The effects of climate change, including severe storms, could cause significant damage to our facilities and may cause outages and property damage, which may require us to incur additional costs that may not be recoverable from customers and damage our reputation with customers and the communities we serve. Additionally, the potential disruption of our operations due to storms, natural disasters or other catastrophic events could be substantial, particularly as regulators and customers demand better and quicker response times to outages. Our ongoing resiliency plans, including pole replacements and vegetation management work to continually address this risk.
Acute physical	Relevant, always included	Eversource continually assesses acute physical risks due to climate change, including from severe storms that could cause significant damage to our facilities, and may cause outages and property damage, which may require us to incur additional costs that may not be recoverable from customers and damage our reputation with customers and the communities we serve. Additionally, the potential disruption of our operations due to storms, natural disasters or other catastrophic events could be substantial, particularly as regulators and customers demand better and quicker response times to outages. Our ongoing resiliency plans, including pole replacements and vegetation management work to continually address this risk.
Chronic physical	Relevant, always included	Chronic physical risks from climate change may include an increase in sea levels and changes in weather conditions, such as changes in precipitation and extreme weather events including drought. Customers' energy needs vary with weather conditions, primarily temperature and humidity. For residential customers, heating and cooling represent their largest energy use. For water customers, conservation measures imposed by the communities we serve could impact water usage. To the extent weather conditions are affected by climate change, customers' energy and water usage could increase or decrease depending on the duration and magnitude of the changes. Eversource regularly assesses climate risks to our system and performs upgrades to bring new construction or retrofit construction to our enhanced design criteria, meeting or exceeding technology requirements of the National Electrical Safety Code. Investments typically target upgrades that will improve the ability of the system to withstand the impacts of wind, lightning, snow, ice and animals.

C2.3

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

C2.3a

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

Identifier
Risk 1

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

Risk type & Primary climate-related risk driver

Current regulation	Mandates on and regulation of existing products and services

Primary potential financial impact
Increased direct costs

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

Company-specific description
Renewable Portfolio Standards (RPS) - Each of the states in which Eversource does business has RPS requirements, which generally require fixed percentages of Eversource's energy supply to come from renewable energy sources such as solar, wind, hydropower, landfill gas, fuel cells and other similar sources. New Hampshire's RPS provision requires increasing percentages of the electricity sold to retail customers to have direct ties to renewable sources. In 2020, the total RPS obligation was 14.7 percent and in 2021 it is 21.6 percent. Similarly, Connecticut's RPS statute requires increasing percentages of the electricity sold to retail customers to have direct ties to renewable sources. In 2020, the total RPS obligation was 29 percent and it is 30.5 percent in 2021. Massachusetts' program also requires electricity suppliers to meet renewable energy and clean energy standards. For 2020, the requirement was 26.71 percent, and beginning in 2021, Massachusetts added an additional requirement to procure 20% of retail suppliers load from existing clean energy sources (CES-E) for a combined total of 49.06 percent.

Time horizon
Short-term

Likelihood
Virtually certain

Magnitude of impact
Medium-low

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

Potential financial impact figure (currency)
76100000

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

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

Explanation of financial impact figure
A REC represents 1 mwh produced from eligible renewable energy source. Minimum action to comply with RPS requires Alternative Compliance Payment (ACP). NH RPS statute requires provider to meet load by acquiring RECs representing generation from renewable energy. If provider is not able to meet RPS requirement by acquiring RECs, it must pay ACP per MWH. 2020 NH ACP price: Class I: $57.61; Class I Thermal: $26.18; Class II: $57.61; Class III: $34.54; Class IV: $29.06. 2020 CT ACP price: Class I: $55; Class II: $55; Class III: $31. 2020 MA ACP price: Class I: $71.57; SREC I: $384; SREC II: $316; Class II $29.37; Class II Waste: $11.75; Alternative Portfolio Standard (APS): $23.50.

Cost of response to risk
76100000

Description of response and explanation of cost calculation
Eversource purchases RECs from producers that generate energy from a qualifying resource and use them to satisfy the RPS requirements. The company satisfies REC requirements through a combination of electricity and REC purchases, or separate REC-only contracts. To the extent that the company is unable to purchase sufficient RECs, it makes up the difference between the RECs purchased and its total obligation by making an alternative compliance payment for each REC requirement for whichever company is under supplied. Eversource is also diversifying its energy portfolio to increase its renewable and low carbon energy resources and reducing the magnitude of risk. As one example, Eversource has installed and currently operates 70 MW of solar photovoltaic units in MA and sells the resulting renewable energy credits into the market to offset the cost of the program for customers. A second example involves state-specific agreements that facilitate development of clean and renewable projects. In Connecticut, there are several long-term contract opportunities, including the low emission/zero emission renewable credit program (LREC/ZREC), which as of May 2021 has more than 2,100 active behind-the-meter renewable energy projects with 247 MW of renewables in service. Eversource is permitted to recover costs incurred in complying with RPS from their customers through rates.

Comment

Identifier
Risk 2

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

Risk type & Primary climate-related risk driver

Acute physical	Increased severity and frequency of extreme weather events such as cyclones and floods

Primary potential financial impact
Increased indirect (operating) costs

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

Company-specific description
Severe weather such as winter ice storms, unusually heavy snow, or snow that occurs early in the season, may introduce the potential for extensive damage and extended service outages.

Time horizon
Short-term

Likelihood
Virtually certain

Magnitude of impact
High

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

Potential financial impact figure (currency)
<Not Applicable>

Potential financial impact figure – minimum (currency)
5000000

Potential financial impact figure – maximum (currency)
765600000

Explanation of financial impact figure
Over the years, Eversource has experienced significant storms in the form of tropical storms and hurricanes, ice storms, blizzards, and nor'easters. As a result, Eversource suffers damage to its transmission and distribution system, causing customer outages and the incurrence of costs to repair significant damage and restore customer service. Full restoration can take over a week and cost well over $100 million for the most severe weather events. Regulatory policy in each of our three states allows us to recover prudently incurred incremental costs related to storm restoration. As of 12-31-20 our financial statements and Form 10-K reflect $765.6 million of unrecovered major storm costs across the three states we serve, up from approximately $540.6 million a year earlier. Those costs were incurred over several years.

Cost of response to risk
765600000

Description of response and explanation of cost calculation
On August 4, 2020, Tropical Isaias caused catastrophic damage to our electric distribution system, which resulted in significant amounts and durations of customer outages, primarily in Connecticut, This storm was one of the worst in CL&P's history. The Connecticut Public Utilities Regulatory (PURA) opened an investigation into CL&P's response to Tropical Storm Isaias in which it will investigate the prudency of costs incurred by CL&P to restore service as part of its response. CL&P is fully participating in PURA's investigation and believes that these storm restoration costs were prudently incurred and meet the criteria for cost recovery. Therefore, the costs associated with Tropical Storm Isaias have been deferred as a regulatory asset for future recovery.

Comment
Storm restoration cost deferrals are recorded for prudently incurred costs associated with major storm events for CL&P, NSTAR Electric and PSNH. A storm must meet certain criteria to qualify as a major storm with the criteria specific to each state jurisdiction and utility company. Once a storm qualifies as a major storm, qualifying expenses incurred during storm restoration efforts are deferred and recovered from customers. Because the recovery of prudently incurred storm recovery costs can last several years, there can be a temporary impact on cash flows. Moreover, the company only recovers prudently incurred costs. Should regulators determine that some costs were not prudently incurred, they would not be recoverable from customers.

Identifier
Risk 3

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

Risk type & Primary climate-related risk driver

Current regulation	Mandates on and regulation of existing products and services

Primary potential financial impact
Decreased revenues due to reduced demand for products and services

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

Company-specific description
Energy Efficiency measures reduce customer demand.

Time horizon
Medium-term

Likelihood
Virtually certain

Magnitude of impact
Low

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

Potential financial impact figure (currency)
585000000

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

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

Explanation of financial impact figure
Eversource administers energy efficiency programs for the benefit of customers in all of its operating company territories. It is important to have regulatory frameworks that do not tie electric and natural gas rates exclusively to volumes of sales. Potential financial impact is approximately $585 million per year in expenses related to energy efficiency expenditures, shown as operating expenses on our statements of net income. These expenses are all recoverable from customers.

Cost of response to risk

585070086

Description of response and explanation of cost calculation
Energy efficiency is one of the most cost-effective ways to save money, create jobs, reduce greenhouse gas emissions, and enhance energy security. The savings decrease overall energy use and reduce peak demand, the period of simultaneous, strong consumer demand resulting in a strain on power generation plants. Therefore, reducing peak demand results in avoided capacity costs and can diminish the need for additional construction of generation plants. In 2020, Eversource energy efficiency programs generated approximately $201 million annual savings for our customers. In 2020, Eversource spent approximately $585 million annually for energy efficiency programs.

Comment
Eversource is consistently recognized as a leader in energy efficiency by national industry organizations. We take great pride in helping our communities remain vibrant and successful by designing and delivering programs emulated across the country. The Eversource energy efficiency portfolio reflects and responds to the way our customers live and use energy today and takes a multiyear approach that enables us to help customers plan for the future. The American Council for an Energy-Efficient Economy (ACEEE) 2020 State Energy Efficiency Scorecard ranked MA second and CT seventh in the nation; and Eversource is the number one energy efficiency provider in the nation, according to Ceres' report, Benchmarking Utility Clean Energy. In 2020, Eversource received the ENERGY STAR® Partner of the Year–Sustained Excellence Award from the US EPA and the US DOE which recognized Eversource in CT, MA and NH for continued leadership in energy efficiency and commitment to the ENERGY STAR® program.

C2.4

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

C2.4a

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

Identifier
Opp1

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

Opportunity type
Energy source

Primary climate-related opportunity driver
Use of lower-emission sources of energy

Primary potential financial impact
Returns on investment in low-emission technology

Company-specific description
Our offshore wind business includes ownership interests in North East Offshore and Bay State Wind, which together hold power purchase agreements and contracts for the Revolution Wind, South Fork Wind and Sunrise Wind projects, as well as offshore leases issued by the Bureau of Ocean Energy Management (BOEM). Our offshore wind projects are being developed and constructed through a joint and equal partnership with Ørsted. This partnership also participates in new procurement opportunities for offshore wind energy in the Northeast U.S. Eversource has a 50 percent ownership interest in North East Offshore, which holds the Revolution Wind and South Fork Wind projects, as well as a 257 square-mile ocean lease off the coasts of Massachusetts and Rhode Island. Eversource also has a 50 percent ownership interest in Bay State Wind, which holds the Sunrise Wind project. Bay State Wind's separate 300-square-mile ocean lease is located approximately 25 miles south of the coast of Massachusetts adjacent to the North East Offshore area. In aggregate, the Bay State Wind and the North East Offshore ocean lease sites jointly-owned by Eversource and Ørsted could eventually develop at least 4,000 MW of clean, renewable offshore wind energy. As of December 31, 2020, Eversource's total equity investment balance in its offshore wind business was $887.1 million, an increase of $237.8 million, as compared to 2019. We are preparing our final project designs and advancing the appropriate federal, state and local siting and permitting processes along with our offshore wind partner, Ørsted, all of which is competitively sensitive. We currently expect to make investments in our offshore wind business of approximately $300 million to $500 million during 2021, subject to advancing our final project designs and federal, state and local permitting processes

Time horizon
Short-term

Likelihood
Virtually certain

Magnitude of impact
High

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

Potential financial impact figure (currency)
<Not Applicable>

Potential financial impact figure – minimum (currency)
887100000

Potential financial impact figure – maximum (currency)
1387100000

Explanation of financial impact figure
Eversource has a 50 percent ownership interest in North East Offshore, which holds the Revolution Wind and South Fork Wind projects, as well as a 257 square-mile ocean lease off the coasts of Massachusetts and Rhode Island. Eversource also has a 50 percent ownership interest in Bay State Wind, which holds the Sunrise Wind project. Bay State Wind's separate 300-square-mile ocean lease is located approximately 25 miles south of the coast of Massachusetts adjacent to the North East Offshore

area. In aggregate, the Bay State Wind and the North East Offshore ocean lease sites jointly-owned by Eversource and Ørsted could eventually develop at least 4,000 MW of clean, renewable offshore wind energy. As of December 31, 2020, Eversource's total equity investment balance in its offshore wind business was $887.1 million, an increase of $237.8 million, as compared to 2019.

Cost to realize opportunity
1387100000

Strategy to realize opportunity and explanation of cost calculation
We are preparing our final project designs and advancing the appropriate federal, state and local siting and permitting processes along with our offshore wind partner, Ørsted, all of which is competitively sensitive. We currently expect to make investments in our offshore wind business of approximately $300 million to $500 million during 2021, subject to advancing our final project designs and federal, state and local permitting processes. . The amount shown under “Cost to realize opportunity" represents Eversource's equity investment in the partnership through 2020 and our expected 2021 investment. We expect to invest significantly more over the coming years as we receive permits to build these already contracted offshore wind facilities and commence construction.

Comment
The competitive bid process for offshore wind precludes the company from providing specific cost information related to specific projects.

Identifier
Opp2

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

Opportunity type
Products and services

Primary climate-related opportunity driver
Other, please specify (Use of new technologies)

Primary potential financial impact
Reduced indirect (operating) costs

Company-specific description
We are implementing innovative battery energy storage solutions that will improve customer reliability and support the integration of distributed energy resource systems. In 2020, we began construction on the industry-leading Provincetown Battery Energy Storage project that is expected to address the system reliability needs of the area and reduce outages by more than 50% for customers in Wellfleet, Truro and Provincetown, based on historic data. The 24.9 MW/38 MWh lithium-ion battery storage facility will be capable of providing 1.5 to 3 hours of backup power in summer “peak” conditions and up to 10 hours in the winter, spring and fall (when most of the major outages have historically occurred). We expect the project to come online in 2021.

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)
<Not Applicable>

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

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

Explanation of financial impact figure
This $40 million investment will be recovered through a grid modernization tracking mechanism beginning when the project goes into service. Construction began in 2020 with an in-service date expected in 2021.

Cost to realize opportunity
40000000

Strategy to realize opportunity and explanation of cost calculation
Eversource received regulatory approval of $55 million for two energy storage projects as part of a Grid Modernization proposal in a rate case decision on November 30, 2017. It involves $40 million for an Outer Cape Cod project and $15 million for a project on Martha’s Vineyard.

Comment
This $40 million investment will be recovered through a grid modernization tracking mechanism beginning when the project goes into service.

Identifier
Opp3

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 through access to new and emerging markets

Company-specific description
In Massachusetts, we are implementing the second largest public-facing EV infrastructure program in the nation after California. Eversource received approval of $45 million for capital investment in electric vehicle charging infrastructure as part of a Grid Modernization proposal in a rate case decision on November 30, 2017 issued by the Massachusetts Department of Public Utilities. The five-year program, started in 2018, will enable approximately 3,500 Level 2 and DC Fast Charger ports at publicly accessible locations. As we complete these projects, we maintain a strong focus on supporting equity and environmental justice in the communities we serve, with 19% of EV charging sites installed in these communities, exceeding our goal of 10%. Our investment in local grid upgrades to support additional charging stations is a significant step forward in promoting the adoption of EVs. It will also help bring EV technology to underserved communities. A potential benefit of the program is to drive adoption of EVs at publicly accessible locations to alleviate EV driver range anxiety, one of the barriers to adoption. It will also provide a platform for innovation in ownership and business models for EV charging stations, as Eversource will build and own the infrastructure to support the chargers, and the chargers themselves will be owned by third parties. Eversource has made substantial progress towards deploying charging stations throughout our service territory in Massachusetts. We installed 180 electric charging sites in 2020 and are on track to meet our goal of 400 sites that will enable 3,500 charging ports by the end of 2021 — a year ahead of schedule. This $45 million investment will be recovered through a grid modernization tracking mechanism beginning when the project goes into service.

Time horizon
Short-term

Likelihood
Virtually certain

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)
<Not Applicable>

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

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

Explanation of financial impact figure
This $45 million investment will be recovered through a grid modernization tracking mechanism beginning when the project goes into service.

Cost to realize opportunity
45000000

Strategy to realize opportunity and explanation of cost calculation
Eversource received regulatory approval of $45 million for electric vehicle infrastructure commitments as part of a Grid Modernization proposal in a rate case decision on November 30, 2017.

Comment

Identifier
Opp4

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

Opportunity type
Energy source

Primary climate-related opportunity driver
Use of lower-emission sources of energy

Primary potential financial impact
Returns on investment in low-emission technology

Company-specific description
We currently have 70 MW of solar power facilities operating in Massachusetts that were completed from 2010 through 2019. New Massachusetts legislation permits utilities to expand ownership of solar power facilities. As a result, our five-year forecast includes expenditures of $500 million to build an additional 280 MW of solar generation capacity. Eversource sells the solar energy it produces directly into the regional energy market managed by ISO New England and customers will benefit from the proceeds. These large-scale solar facilities will directly contribute to Massachusetts' renewable energy installation goal. The solar program focuses on developing large-scale solar facilities on sites that offer economies of scale and cost-effective energy production. Some of the sites developed by the Eversource Solar Program included landfill and environmentally-challenged sites, which have few, or very restricted, alternative uses.

Time horizon
Short-term

Likelihood
Virtually certain

Magnitude of impact
Low

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

Potential financial impact figure (currency)
500000000

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

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

Explanation of financial impact figure
New Massachusetts legislation permits utilities to expand ownership of solar power facilities. The company's five-year forecast includes expenditures of $500 million to build an additional 280 MW that will bring its total solar generation capacity to 350 MW.

Cost to realize opportunity
500000000

Strategy to realize opportunity and explanation of cost calculation
The company's five-year forecast includes expenditures of $500 million to build an additional 280 MW of solar and the past experience in building the current 70 MW of capacity will provide valuable insight in constructing the proposed 280 MW. We plan to submit a filing with the Massachusetts Department of Public Utilities by the end of 2021 that will likely cover 3-5 sites and 10-15 MW of capacity in the initial phase of the 280 MW project.

Comment

C3. Business Strategy

C3.1

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

C3.1a

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

	Is your low-carbon transition plan a scheduled resolution item at AGMs?	Comment
Row 1	No, and we do not intend it to become a scheduled resolution item within the next two years	

C3.2

(C3.2) Does your organization use climate-related scenario analysis to inform its strategy?
Yes, qualitative and quantitative

C3.2a

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

Climate-related scenarios and models applied	Details
Other, please specify (Qualitative & quantitative analysis)	As part of Eversource's Carbon Neutrality goal, basic scenario analyses were conducted internally to understand the relative impact of the company's various operations and opportunities to draw down emission intensities in order to achieve zero emissions by 2030. These evaluations have been conducted through the completion of greenhouse gas inventories and examining pathways to reduce emissions through improved efficiency, further adoption of renewable energy, and carbon offset projects. Our strategy for achieving neutrality is still underway and we anticipate conducting more detailed scenario-based analyses to evaluate climate-related impacts including 2^{0}C or lower scenarios. Qualitative scenario analysis is performed by our Enterprise Risk Management (ERM) group. In addition to regularly scheduled reports by ERM of all of the Company's enterprise-wide risks and the results of the ERM Program, management reports periodically to the Finance Committee, other Board Committees or the full Board in depth on specific top enterprise risks including those related to climate change. ERM also reports regularly to the Finance Committee on the activities of the Company's Risk Committee. The Risk Committee, chaired by the Executive VP and CFO, consists of senior officers of the Company, and is responsible for ensuring that the Company is managing its principal enterprise-wide risks, as well as other key risk areas such as environmental, information technology, compliance and business continuity.
Other, please specify (Qualitative and quantitative analysis as it relates to the increased frequency and severity of storms due to climate change)	Qualitative and quantitative analysis as it relates to the increased frequency and severity of storms due to climate change is performed through our innovative partnership with University of Connecticut (UConn) on the Eversource Energy Center, which includes collaboration with utilities and industry partners. The objective of this work is to support the mitigation of storm hazards, delivering improved reliability and increasing the resiliency of the electric grid. Through science-based solutions, including high-resolution weather and outage forecasting and 3-D aerial and ground imagery we are improving the delivery of reliable power and enhanced risk management in extreme weather by predicting a storm's impact and the locations of outages to proactively dispatch crews before storms arrive. Research at the Eversource Energy Center has led to new ways of evaluating the effectiveness of vegetation management in preventing power outages while protecting trees. To find an optimal combination of grid hardening investments that maximizes the reliability of the electrical system while minimizing the impact on roadside vegetation, a methodology has been created based on outage modelling and weather patterns that allows us to predict how effective different tree-trimming scenarios will be in reducing weather-related power outages. From this evaluation, research found that although the enhanced tree trimming is focused primarily on a very small percentage of the power lines, the number of outages during storms would have been 10% to 30% higher without it. The UConn Outage Prediction Model (OPM) forecasts a storm's impact, which Eversource combines with meteorological data to proactively pre-stage crews and expedite power restorations. The OPM provides an up to three-day advanced picture of a storm's anticipated impact, updated every six hours, and is a leading-edge approach in the electric industry. Outage predictions, along with proactive tree and forest management, are providing the greatest benefits for utility customers by avoiding and shortening outages and enhancing electric system reliability. In addition, we incorporate information from forest inventories, biomechanics work, and tree trimming or forest management history into the OPM. Along with weather data and simulations of past and future storms, this model will help to position resources at the time of a storm to ensure the quickest possible recovery from storm damage.

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	Climate-related risks and opportunities have influenced our short-, mid- and long-term strategy to invest in clean energy, EV infrastructure and energy efficiency. The states in our region have set aggressive carbon reduction and clean energy goals which our investments will help them achieve, while also providing opportunities for our customers to reduce their carbon footprint. Our most substantial strategic decision to date has been our partnership with Ørsted to develop at least 4,000 MW of offshore wind to help reduce regional emissions. We currently have three projects representing more than 1,750 MW advancing through the permitting process. With the transportation sector representing an estimated 40% of New England's emissions, we have made the decision to invest in EV charging infrastructure to mitigate climate change, support the growing adoption of EVs and enable our customers to adopt this cleaner mode of transportation. In MA, through our public-facing EV infrastructure program we installed 180 electric charging sites in 2020 and are on track to meet our goal of 400 sites that will enable 3,500 charging ports by the end of 2021 — a year ahead of schedule. As we complete these projects, we maintain a strong focus on supporting equity and environmental justice in the communities we serve, with 19% of EV charging sites installed in these communities, exceeding our goal of 10%. Wellfleet, Truro and Provincetown, MA have experienced more than 15 major outage events over the last five years. Our assessment determined that the construction of a battery energy storage solution would help to address the system reliability needs of the area and reduce outages by more than 50% for customers in those towns based on historic data. In 2020, we began construction of a lithium-ion battery storage facility that will be capable of providing 1.5 to 3 hours of backup power in summer "peak" conditions and up to 10 hours in the winter, spring and fall. Also, in 2020, we invested approximately $585 million in customer energy efficiency programs. At year-end 2020, electric energy consumption was reduced by 13,547 lifetime GWh and natural gas energy consumption was reduced by 153 million lifetime therms. These programs result in lower unit sales but costs are fully recoverable with incentives based on the effectiveness of the programs.
Supply chain and/or value chain	Yes	Part of Eversource's strategy is to advance sustainability through our supply chain over the long-term. We have added questions to all supplier RFPs to drive engagement and identify improvement opportunities. Questions asked in 2020 to help understand how we can mitigate climate change risks together include: • Does the supplier offer customers environmental improvement opportunities? Do you have opportunities for this specific project? • Does the supplier publicly report voluntary goals to reduce energy consumption, emissions, waste or water in your operations? • Does the supplier publicly report greenhouse gas emissions? Our Supplier Relationship Management Program also seeks to further engage our key suppliers on these and other issues on an on-going basis.
Investment in R&D	Yes	Eversource is making strategic investments in innovative technologies that will mitigate climate change risks by lowering emissions. We recently received regulatory approval to develop a networked geothermal heating and cooling pilot project to test this technology. The networked geothermal system pulls the earth's heat out of the ground to warm buildings in winter and pumps heat from buildings back into the ground in summer to cool them through a series of shared piping, wells and heat pumps. Eversource will pilot its use at utility scale in an eastern Massachusetts neighborhood in the near-term as a potential option to complement or replace delivered fuels and natural gas service for heating and cooling over the mid- and long-term.
Operations	Yes	We believe it is important to lead by example in reducing our emissions and demonstrate that carbon neutrality is achievable. Our customers, employees, shareholders and other stakeholders expect this of us and we are proud to know our progress toward carbon neutrality benefits the overarching climate change mitigation plans of the states we serve. To this end, our strategy remains focused on clean energy and searching for innovative solutions to mitigate our operational emissions. We are dedicating ourselves to meeting an industry-leading target to reduce our greenhouse gas footprint and reach carbon neutrality in our operations by 2030.Overseeing our plan to achieve neutrality is a dedicated Oversight Committee comprised of cross functional company leaders. Subcommittees are focused on pursuing reductions in our operational emissions by improving efficiency and implementing emerging technologies, engaging our employees and external stakeholders in the development and implementation of innovative strategies, and investigating opportunities to offset carbon emissions we cannot avoid. We're making progress and have reduced our emissions by 17% since 2018 through 2020. We aim to meet our goal to be carbon neutral in our operations by 2030 by: • Reducing our own energy use by improving the efficiency of our facilities. • Reducing vehicle emissions from our fleet. • Reducing line losses in the electric transmission and distribution system. • Reducing sulfur hexafluoride (SF6) in our electrical gas-insulated substations and switchgear. • Upgrading our natural gas distribution system to improve safety and eliminate methane leaks. We are also preparing to address any gaps in our emissions that are unavoidable through creative carbon offset programs that not only contribute to our carbon balance but also benefit the communities in which we operate.

C3.4

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

	Financial planning elements that have been influenced	Description of influence
Row 1	Revenues Direct costs Capital allocation Acquisitions and divestments Assets	Revenues: Eversource manages one of the nation's most extensive and successful energy efficiency programs and is recognized as the top U.S. utility for its energy efficiency program by advocacy organizations Ceres and ACEEE. These programs result in lower unit sales but costs are fully recoverable with incentives based on the effectiveness of the programs. Direct Costs: Eversource spends 5-7% of its revenues on energy efficiency programs. We believe it is important to lead by example and so have set a goal to be carbon neutral in our operations by 2030. By lowering our emissions as much as possible and then offsetting any remaining emissions with carbon offsets, we are mitigating climate change risks. Initiatives that support our goal that we expect will ultimately lower our operating costs while lowering emissions include: • Reduce line loss – energy lost when power is transmitted and distributed across our system (one of the industry's greatest challenges) - by enabling a cleaner mix of energy in the grid and improving efficiencies in our transmission infrastructure. • Reduce methane leaks by replacing aging steel and cast-iron pipes in our natural gas distribution system • Reduce electricity and fuel use at our offices and facilities by upgrading our HVAC equipment with more efficient models and replacing energy-intensive lighting with LEDs. • Continue to add electric and hybrid vehicles to our company's fleet. • Adopt innovative solutions to replace the commonly-used hexafluoride (SF6), a potent greenhouse gas used in electric equipment. Capital Allocation: In 2020, Eversource Energy subsidiary NSTAR Electric completed its second issuance of $400 million of green bonds (3.95 percent debentures due 2030) that will finance Eligible Green Expenditures in the form of energy efficiency programs in the Commonwealth of Massachusetts. A green bond is a bond whose proceeds are used for, or allocated to, projects with environmental benefits. NSTAR Electric's inaugural issue was the first green bond transaction issued by a Massachusetts-based utility distribution company. Offering the green bonds is another way the company is supporting energy efficiency efforts and renewable energy development in Massachusetts. When issued in March 2020, the company committed to allocate an amount equal to the net proceeds from the bonds ($395.2million) to Eligible Green Expenditures ,i.e., NSTAR Electric's energy efficiency program spending in Massachusetts. Acquisitions and divestments: In New Hampshire, Eversource owned approximately 1,200 MW of generation facilities. On January 10, 2018, Eversource completed the sale of its fossil fuel powered generation facilities with a total capacity of 1,100 MW. Subsequently, Eversource sold its hydro generation units in August 2018. Since the January 2018 transaction, no Eversource company has owned any fossil generation. Assets: In December 2016, the Massachusetts Department of Public Utilities approved NSTAR Electric's application to develop 62 MW of new solar power facilities in addition to the 8 MW of existing solar power facilities. NSTAR Electric now owns 70 MW of solar power facilities on sites in Massachusetts that were completed from 2010 through 2019. Additionally, MA legislation passed in January 2021 that permits NSTAR Electric to build another 280 MW of utility-scale solar facilities. Approximately $500 million is included in our five-year forecast for this initiative.

C3.4a

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

C4. Targets and performance

C4.1

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

C4.1a

(C4.1a) Provide details of your absolute emissions target(s) and progress made against those targets.

Target reference number
Abs 1

Year target was set
2019

Target coverage
Company-wide

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

Base year
2018

Covered emissions in base year (metric tons CO2e)
828107

Covered emissions in base year as % of total base year emissions in selected Scope(s) (or Scope 3 category)
100

Target year
2030

Targeted reduction from base year (%)
100

Covered emissions in target year (metric tons CO2e) [auto-calculated]
0

Covered emissions in reporting year (metric tons CO2e)
685331

% of target achieved [auto-calculated]
17.2412502249105

Target status in reporting year
Underway

Is this a science-based target?
No, and we do not anticipate setting one in the next 2 years

Target ambition
<Not Applicable>

Please explain (including target coverage)
In 2019, Eversource set an industry-leading goal to be carbon neutral in our operations by 2030. We believe it is important to lead by example in reducing our emissions and demonstrate that carbon neutrality is achievable. Our customers, employees, shareholders, and other stakeholders expect this of us and we are proud to know our progress toward carbon neutrality benefits the overarching climate change mitigation plans of the states we serve. To this end, we remain focused on clean energy and searching for innovative solutions to mitigate our operational emissions. We are also preparing to address any gaps in our emissions that are unavoidable through creative carbon offset programs that not only contribute to our carbon balance but also benefit the communities in which we operate. In 2020, we saw a decrease in our overall emissions by 17% compared to 2018 and 3% compared to 2019. In light of the challenging year requiring changes in our operations due to COVID-19, a temporary policy requiring one person per vehicle was implemented — an essential step to keep employees safe and adhere to official health recommendations. This safety measure, however, resulted in an increased consumption of fuel and, subsequently, a 10% increase in fleet emissions compared to 2019. Despite this increase, we were still able to achieve an overall reduction in our emissions through dedicated programs, including those that have reduced methane and SF6 leaks, and improved efficiencies at our facilities.

C4.2

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

C4.2a

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

Target reference number
Low 1

Year target was set
2019

Target coverage
Business division

Target type: absolute or intensity
Absolute

Target type: energy carrier
Electricity

Target type: activity
Consumption

Target type: energy source
Low-carbon energy source(s)

Metric (target numerator if reporting an intensity target)
kWh

Target denominator (intensity targets only)
<Not Applicable>

Base year
2020

Figure or percentage in base year
0

Target year
2020

Figure or percentage in target year
1083151051

Figure or percentage in reporting year
951718781

% of target achieved [auto-calculated]
87.8657487449551

Target status in reporting year
Expired

Is this target part of an emissions target?
No

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

Please explain (including target coverage)
Eversource set a target to implement energy efficiency programs for our electric customers to achieve annual savings of 1,083,151,051 kWh in 2020. Actual savings achieved were 951,718,781 kWh. Although energy efficiency work was paused for a period of time beginning in March due to COVID-19, we quickly developed innovative virtual solutions, where possible, so that we could deliver some energy efficiency services to our customers, and then worked with experts to develop health and safety guidelines which allowed the energy efficiency workforce to deliver some services in person. This reduced our ability to serve the anticipated number of customers. Our customers were also impacted by the pandemic in various ways including job loss, distractions such as home-schooling young children, and illness, reducing interest in energy efficiency. This combination of factors resulted in a shortfall yet significant customer savings and annual CO2e reductions of 245,462 metric tons were still achieved.

Target reference number
Low 2

Year target was set
2019

Target coverage
Business division

Target type: absolute or intensity
Absolute

Target type: energy carrier
Other, please specify (Natural gas)

Target type: activity
Consumption

Target type: energy source
Low-carbon energy source(s)

Metric (target numerator if reporting an intensity target)
Please select

Target denominator (intensity targets only)
<Not Applicable>

Base year
2020

Figure or percentage in base year
0

Target year
2020

Figure or percentage in target year
9962493

Figure or percentage in reporting year
9559606

% of target achieved [auto-calculated]
95.9559620267738

Target status in reporting year
Expired

Is this target part of an emissions target?
No

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

Please explain (including target coverage)
Eversource set a target to implement energy efficiency programs for our natural gas customers to achieve annual savings of 9,962,493 therms in 2020. Actual savings achieved were 9,559,606 therms. Although energy efficiency work was paused for a period of time beginning in March due to COVID-19, we quickly developed innovative virtual solutions, where possible, so that we could deliver some energy efficiency services to our customers, and then worked with experts to develop health and safety guidelines which allowed the energy efficiency workforce to deliver some services in person. This reduced our ability to serve the anticipated number of customers. Our customers were also impacted by the pandemic in various ways including job loss, distractions such as home-schooling young children, and illness, reducing interest in energy efficiency. This combination of factors resulted in a shortfall yet significant customer savings and annual CO2e reductions of 66,569 metric tons were still achieved.

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
2017

Target coverage
Business division

Target type: absolute or intensity
Intensity

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

Methane reduction target	Other, please specify (Reduction in miles of bare steel and cast-iron gas mains)

Target denominator (intensity targets only)
Other, please specify (% of mains replaced)

Base year
2017

Figure or percentage in base year
0

Target year
2020

Figure or percentage in target year
14.5

Figure or percentage in reporting year
16.1

% of target achieved [auto-calculated]
111.034482758621

Target status in reporting year
Achieved

Is this target part of an emissions target?
Reductions in our miles of bare steel and cast iron main will contribute to our goal to be carbon neutral in our operations by 2030.

Is this target part of an overarching initiative?
Other, please specify (Reductions in our miles of bare steel and cast iron main will contribute to our goal to be carbon neutral in our operations by 2030.)

Please explain (including target coverage)
Eversource has set a goal to go beyond our Methane Challenge program commitment to achieve 14.5% reduction in miles of bare steel and cast-iron main from 2017 baseline by 2020. As of the end of 2020, we have replaced 16.1% of the bare steel and cast-iron mains across our system exceeding our goal to achieve the baseline

reduction of 14.5% by the end of 2020. Historically, the natural gas industry used non-cathodically protected steel and cast-iron materials for distribution main and service piping. These leak-prone materials have significantly higher leak rates in comparison to modern plastic piping. As a result, we have undertaken large-scale pipe replacement projects in conjunction with state agencies to replace aging cast-iron and steel pipes with safer plastic pipes and implemented a robust leak management program. Fugitive emissions from the Eversource natural gas distribution system have steadily decreased over time and are anticipated to continue decreasing. Eversource has been working diligently to replace our aged non-cathodically protected steel, cast-iron, and wrought-iron natural gas distribution infrastructure in Connecticut and Massachusetts in accordance with programs approved by state regulators for Yankee Gas and NSTAR gas. Since our acquisition of EGMA in Q4 2020, we continue to conduct similar replacements to reduce methane leaks. Reductions at all Eversource gas companies have resulted in a reduction of 1,902 metric tonnes CO2e in 2020.

Target reference number
Oth 2

Year target was set
2019

Target coverage
Company-wide

Target type: absolute or intensity
Absolute

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

Green finance	Green finance raised and facilitated (denominated in currency)

Target denominator (intensity targets only)
<Not Applicable>

Base year
2020

Figure or percentage in base year
0

Target year
2020

Figure or percentage in target year
395200000

Figure or percentage in reporting year
395200000

% of target achieved [auto-calculated]
100

Target status in reporting year
Achieved

Is this target part of an emissions target?
No

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

Please explain (including target coverage)
In 2020, Eversource Energy subsidiary NSTAR Electric Company completed its second issuance of $400 million of green bonds (3.95 percent debentures due 2030) to finance Eligible Green Expenditures. 100% of these expenditures were associated with energy efficiency programs in the Commonwealth of Massachusetts. A green bond is a fixed income instrument designed specifically to support specific climate-related or environmental projects. NSTAR Electric is the only Massachusetts-based utility distribution company that has issued green bonds. Offering the green bonds is another way the company is supporting energy efficiency efforts in Massachusetts. When issued in March 2020, the company committed to allocate an amount equal to the net proceeds from the bonds ($395.2 million) to Eligible Green Expenditures, specifically energy efficiency program spending in Massachusetts. Details are available on our website at https://www.eversource.com/content/ct-c/about/investors/investor-relations/sustainability-the-environment/green-bond/2020-green-bond .

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	0	
To be implemented*	0	
Implementation commenced*	2	6914000
Implemented*	7	320614
Not to be implemented	0	

C4.3b

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

Initiative category & Initiative type

Transportation	Other, please specify

Estimated annual CO2e savings (metric tonnes CO2e)
1195

Scope(s)
Scope 1

Voluntary/Mandatory
Voluntary

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

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

Payback period
1-3 years

Estimated lifetime of the initiative
Ongoing

Comment
We have switched portions of our diesel equipment to operate on B5 and B20 biodiesel, an alternative fuel created by mixing diesel fuel, soybean oil and ethanol. In 2020, our goal was to replace 45% of our diesel with biofuel blend. Benefits include an estimated 1,200 MT CO2e avoided annually, which is equivalent to taking about 260 passenger vehicles off the road for one year. Additionally, the ability to refuel vehicles onsite led to improved efficiency and cost savings. Due to COVID-19-related impacts on our fleet use in 2020, we did not meet our goal, however we still achieved a 36.2% substitution of fleet diesel with the biofuel blend, which resulted in 1,195 MT CO2e avoided.

Initiative category & Initiative type

Company policy or behavioral change	Customer engagement

Estimated annual CO2e savings (metric tonnes CO2e)
312031

Scope(s)
Scope 3

Voluntary/Mandatory
Mandatory

Annual monetary savings (unit currency – as specified in C0.4)
200995187

Investment required (unit currency – as specified in C0.4)
585070086

Payback period
1-3 years

Estimated lifetime of the initiative
Ongoing

Comment
Energy efficiency programs are administered by each of the Eversource operating companies (The Connecticut Light and Power Company, NSTAR Electric Company, Public Service Company of New Hampshire, NSTAR Gas Company and Yankee Gas Services Company. Annual Monetary Savings is combined 2020 estimated annual savings for all Eversource customers.

Initiative category & Initiative type

Fugitive emissions reductions	Other, please specify (SF6 emission reductions)

Estimated annual CO2e savings (metric tonnes CO2e)
4502

Scope(s)
Scope 1

Voluntary/Mandatory
Voluntary

Annual monetary savings (unit currency – as specified in C0.4)
2720

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

Payback period
<1 year

Estimated lifetime of the initiative
6-10 years

Comment
Eversource emitted 2423.1 pounds SF6 for a reported emission rate of 0.52% for 2020 on nameplate capacity of 467,084.5 pounds. By using current proactive maintenance efforts, Eversource reduced SF6 emissions from a 1.5% baseline with cost of gas savings and increased system reliability. We are working with industry partners to research and test innovative solutions to replace sulfur hexafluoride (SF6), which is commonly used as an electrical insulator. We are also focused on reducing SF6 emissions from our existing equipment through strong maintenance practices and the successful implementation of a detailed SF6 tracking and inventorying approach.

C4.3c

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

Method	Comment
Compliance with regulatory requirements/standards	Each of the states in which Eversource does business has Renewable Portfolio Standards (RPS) requirements, which generally require fixed percentages of Eversource's energy supply to come from renewable energy sources such as solar, wind, hydropower, landfill gas, fuel cells and other similar sources. New Hampshire's RPS provision requires increasing percentages of the electricity sold to retail customers to have direct ties to renewable sources. In 2020, the total RPS obligation was 14.7 percent and in 2021 it is 21.6 percent. Similarly, Connecticut's RPS statute requires increasing percentages of the electricity sold to retail customers to have direct ties to renewable sources. In 2020, the total RPS obligation was 29 percent and it is 30.5 percent in 2020. Massachusetts' program also requires electricity suppliers to meet renewable energy and clean energy standards. For 2020, the requirement was 26.71 percent, and beginning in 2021, Massachusetts added an additional requirement to procure 20% of retail suppliers load from existing clean energy sources (CES-E) for a combined total of 49.06 percent.
Dedicated budget for energy efficiency	Eversource is consistently recognized as a leader in energy efficiency by national industry organizations. We take great pride in helping our communities remain vibrant and successful by designing and delivering programs that are emulated by others across the country. Our energy efficiency portfolio reflects and responds to the way our customers live and use energy today and takes a multi-year approach that enables us to help customers plan for the future. The American Council for an Energy-Efficient Economy (ACEEE) 2020 State Energy Efficiency Scorecard ranked MA second and CT seventh in the nation; and Eversource is the number one energy efficiency provider in the nation, according to Ceres' report, Benchmarking Utility Clean Energy. In 2020, Eversource received the ENERGY STAR® Partner of the Year–Sustained Excellence Award from the US EPA and the US DOE which recognized Eversource in CT, MA and NH for continued leadership in energy efficiency and commitment to the ENERGY STAR® program. Energy efficiency is the lowest-cost fuel, substituting for generation at approximately four cents per kilowatt-hour. Energy efficiency is one of the most cost-effective ways to save money, create jobs, reduce GHG emissions, and enhance energy security. Efficiency reduces peak demand, a period of simultaneous, strong consumer demand that results in a strain on power generation. Reducing peak demand results in avoided capacity costs and can diminish the need for additional construction of generation plants. In 2020, Eversource spent approximately $585 million on our energy efficiency programs and they generated approximately $201 million annual savings for our customers.
Dedicated budget for other emissions reduction activities	We have a dedicated budget to reduce emissions from fuel consumption. We are focused on continued adoption of hybrid vehicles and alternative fuel sources as substitutes for diesel and gasoline, such as biodiesel and compressed natural gas. We have developed partnerships with vendors developing innovative technologies such as Altec JEMS® and XL Fleet that specialize in emissions reducing tools and technology to help us reduce idle time, improve miles per gallon, and automate fuel reduction. Fleet management also intends to replace all overhead trucks and 50% of our fleet vehicles with hybrid alternatives by 2030.
Dedicated budget for other emissions reduction activities	With the transportation sector representing an estimated 40% of New England's emissions, we believe we have an important role to play to support more efficient mobility solutions. We are investing in charging infrastructure for the growing number of electric vehicles (EVs) and enabling our customers to adopt this cleaner mode of transportation. In Massachusetts, we are implementing the second largest public-facing EV infrastructure program in the nation after California. We installed 180 electric charging sites in 2020 and are on track to meet our goal of 400 sites that will enable 3,500 charging ports by the end of 2021 — a year ahead of schedule. As we complete these projects, we maintain a strong focus on supporting equity and environmental justice in the communities we serve, with 19% of EV charging sites installed in these communities, exceeding our goal of 10%. Our investment in local grid upgrades to support additional charging stations is a significant step forward in promoting the adoption of EVs. It will also help bring EV technology to underserved communities.
Employee engagement	At Eversource, we are dedicating ourselves to meeting an industry-leading target to reduce our greenhouse gas footprint and reach carbon neutrality in our operations by 2030. Overseeing our plan to achieve neutrality is a dedicated Oversight Committee comprised of cross functional company leaders. Subcommittees are focused on pursuing reductions in our operational emissions by improving efficiency and implementing emerging technologies, engaging our employees and external stakeholders in the development and implementation of innovative strategies, and investigating opportunities to offset carbon emissions we cannot avoid.
Internal incentives/recognition programs	All Eversource management employees are eligible to receive incentive payments based on performance. Performance goals for certain employees may include environmental targets, support for emerging environmental laws, regulations and policy (including climate change related); stewardship and sustainable business practices such as Energy Efficiency, and other GHG mitigation; and supporting strategic initiatives related to energy efficiency, distributed generation and renewable energy.
Partnering with governments on technology development	In March 2021, a Massachusetts climate bill was passed authorizing each utility company to own and develop 280 MW of solar generation facilities and storage where feasible. Our plans include developing new solar to help meet the Commonwealth's commitment to achieve net zero carbon emissions by 2050. We will provide outreach to environmental justice communities about this program.
Partnering with governments on technology development	Securing a clean energy future is a key priority, and we have adopted bold strategies to accelerate the transition to a low carbon economy for New England. We actively support state and federal emission reduction goals and are developing adaptation and resiliency strategies to address climate change. These include fully supporting the decarbonization of our natural gas system to meet state climate goals and exploring alternative technologies like renewable natural gas, geothermal and hydrogen for heating. We are proud to be an industry leader in the development and operation of infrastructure to support clean energy.

C4.5

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

C4.5a

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

Level of aggregation
Product

Description of product/Group of products
Eversource is consistently recognized as a leader in energy efficiency by national industry organizations. We take great pride in helping our communities remain vibrant and successful by designing and delivering programs emulated across the country. The Eversource energy efficiency portfolio reflects and responds to the way our customers live and use energy today and takes a multiyear approach that enables us to help customers plan for the future. The American Council for an Energy-Efficient Economy (ACEEE) 2020 State Energy Efficiency Scorecard ranked MA second and CT seventh in the nation; and Eversource is the number one energy efficiency provider in the nation, according to Ceres' report, Benchmarking Utility Clean Energy. In 2020, Eversource received the ENERGY STAR® Partner of the Year–Sustained Excellence Award from the US EPA and the US DOE which recognized Eversource in CT, MA and NH for continued leadership in energy efficiency and commitment to the ENERGY STAR® program. Our energy efficiency programs enable our customers to avoid GHG emissions by decreasing overall energy use and reducing peak demand. Peak demand describes a period of simultaneous, strong consumer demand, resulting in a strain on power generation plants. Therefore, reducing peak demand results in avoided capacity costs and can diminish the need for additional construction of generation plants. In 2020, actual results indicate the energy efficiency programs administered by Eversource's operating companies enabled customers to reduce electric consumption by 951,718,781 kWh and natural gas by 9,559,606 therms in annual savings, which equates to approximately 312,031 metric tons of CO2e reduced annually.

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

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

% revenue from low carbon product(s) in the reporting year
6

% of total portfolio value
<Not Applicable>

Asset classes/ product types
<Not Applicable>

Comment

Level of aggregation
Company-wide

Description of product/Group of products
Since 2016, Eversource has been expanding our partnership with Denmark-based Ørsted to jointly develop, construct and operate more than 4,000 MW of utility-scale offshore wind turbines off the coast of southeast New England. Eversource and our partner, Ørsted, have been awarded three offshore wind projects totalling more than 1,750 megawatts of capacity: • South Fork Wind: Located 35 miles east of Long Island, is expected to be in service in late 2023 and will generate 132 MW of energy under a long-term purchase power agreement with the Long Island Power Authority, providing electricity for more than 70,000 homes. • Revolution Wind: Located approximately 15 miles south of the Rhode Island coast, 32 miles southeast of the Connecticut coast and 12 miles southwest of Martha's Vineyard, and is contracted to produce a total of 704 MW. Connecticut will receive 304 MW and Rhode Island will receive the remaining 400 MW, providing electricity for more than 350,000 homes. • Sunrise Wind: a 924 MW offshore wind project awarded by the New York State Energy Resource & Development Authority, which will supply electricity to nearly 600,000 homes. The development of offshore wind in the Northeast is in its beginning phase and the Eversource/Ørsted partnership will play an active role in its development. This business also participates in opportunities for future solicitations for offshore wind in the Northeast U.S. These projects are expected to reduce emissions by approximately 6,770,000 metric tons of CO2e annually. The calculation of the reduction of CO2e emissions is based on 4,000 MW of capacity, a 50% capacity factor and current grid intensity.

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

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

% revenue from low carbon product(s) in the reporting year
0

% of total portfolio value
<Not Applicable>

Asset classes/ product types
<Not Applicable>

Comment
The entry reported in column: "% revenue from low carbon product/s in the reporting year" is 0 because the offshore wind facilities are not yet in operation.

C-EU4.6

(C-EU4.6) Describe your organization's efforts to reduce methane emissions from your activities.

We do not have any current initiatives for methane reduction for electricity generation. As of 2018, Eversource was fully divested of all fossil-fuel generation.

For our natural gas business, we are investing in upgrades to aging infrastructure to reduce methane emissions in our operations.

Eversource has set a goal to go beyond our Methane Challenge program commitment to achieve 14.5% reduction in miles of bare steel and cast-iron main from 2017 baseline by 2020. As of the end of 2020, we have replaced 16.1% of the bare steel and cast-iron mains across our system exceeding our goal to achieve the baseline reduction of 14.5% by the end of 2020.

Historically, the natural gas industry used non-cathodically protected steel and cast-iron materials for distribution main and service piping. These leak-prone materials have significantly higher leak rates in comparison to modern plastic piping. As a result, we have undertaken large-scale pipe replacement projects in conjunction with state agencies to replace aging cast-iron and steel pipes with safer plastic pipes and implemented a robust leak management program. Fugitive emissions from the Eversource natural gas distribution system have steadily decreased over time and are anticipated to continue decreasing. Eversource has been working diligently to replace our aged non-cathodically protected steel, cast-iron, and wrought-iron natural gas distribution infrastructure in Connecticut and Massachusetts in accordance with programs approved by state regulators for Yankee Gas and NSTAR gas. Since our acquisition of EGMA Q4 2020, we continue to conduct similar replacements to reduce methane leaks. Reductions at all Eversource gas companies have resulted in a reduction of 1,902 metric tonnes CO2e in 2020 compared to 2019.

C5. Emissions methodology

C5.1

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

Scope 1

Base year start
January 1 2018

Base year end
December 31 2018

Base year emissions (metric tons CO2e)
215617

Comment
The Scope 1 baseline was revised in 2018 following the sale of generation assets in New Hampshire and the acquisition of Aquarion. Additionally, emissions from EGMA's natural gas assets acquired in October 2020 have been included in the 2018 to 2020 inventories.

Scope 2 (location-based)

Base year start
January 1 2018

Base year end
December 31 2018

Base year emissions (metric tons CO2e)
612436

Comment
The Scope 2 baseline for location-based emissions was revised in 2018 following the sale of generation assets in New Hampshire and the acquisition of Aquarion. Additionally, emissions from EGMA's natural gas assets acquired in October 2020 have been included in the 2018 to 2020 inventories.

Scope 2 (market-based)

Base year start
January 1 2018

Base year end
December 31 2018

Base year emissions (metric tons CO2e)
612478

Comment
The Scope 2 baseline for market-based emissions was revised in 2018 following the sale of generation assets in New Hampshire and the acquisition of Aquarion. Additionally, emissions from EGMA's natural gas assets acquired in October 2020 have been included in the 2018 to 2020 inventories.

C5.2

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

The Greenhouse Gas Protocol: A Corporate Accounting and Reporting Standard (Revised Edition)
US EPA Mandatory Greenhouse Gas Reporting Rule
Other, please specify (Massachusetts Department of Environmental Protection emissions factors under 310 CMR 7.73)

C5.2a

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

Data was collected and calculated by the Eversource companies primarily using the World Resource Institute GHG Protocol tool. US EPA reporting protocol under 40 CFR Part 98 was used for calculating SF6 emissions. Gas distribution emissions were calculated using emissions factors provided by Massachusetts Department of Environmental Protection in 310 CMR 7.73.

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)
173693

Start date
<Not Applicable>

End date
<Not Applicable>

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 are reporting a Scope 2, market-based figure

Comment
Location-based factors are used as the standard for our GHG inventory. Additional market-based emissions are provided here for additional detail.

C6.3

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

Reporting year

Scope 2, location-based
511638

Scope 2, market-based (if applicable)
511800

Start date
<Not Applicable>

End date
<Not Applicable>

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

Metric tonnes CO2e
<Not Applicable>

Emissions calculation methodology
<Not Applicable>

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

Please explain
We are continuing to evaluate our scope 3 emissions and working towards establishing an appropriate boundary for managing the most impactful emission sources belonging to this category. At this time, emissions associated with purchased goods and services as a whole have not been feasible to calculate but we will continue to evaluate if this should be included in our future inventory.

Capital goods

Evaluation status
Relevant, not yet calculated

Metric tonnes CO2e
<Not Applicable>

Emissions calculation methodology
<Not Applicable>

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

Please explain
We are continuing to evaluate our scope 3 emissions and working towards establishing an appropriate boundary for managing the most impactful emission sources belonging to this category. At this time, emissions associated with capital goods have not been feasible to calculate but we will continue to evaluate if this should be included in our future inventory.

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

Evaluation status
Not relevant, explanation provided

Metric tonnes CO2e
<Not Applicable>

Emissions calculation methodology
<Not Applicable>

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

Please explain
All fuel and energy related activities are included in Scopes 1 and 2.

Upstream transportation and distribution

Evaluation status
Relevant, not yet calculated

Metric tonnes CO2e
<Not Applicable>

Emissions calculation methodology
<Not Applicable>

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

Please explain
We are continuing to evaluate our scope 3 emissions and working towards establishing an appropriate boundary for managing the most impactful emission sources belonging to this category. At this time, emissions associated with upstream transportation and distribution have not been feasible to calculate but we will continue to evaluate if this should be included in our future inventory.

Waste generated in operations

Evaluation status
Relevant, not yet calculated

Metric tonnes CO2e
<Not Applicable>

Emissions calculation methodology
<Not Applicable>

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

Please explain
We are continuing to evaluate our scope 3 emissions and working towards establishing an appropriate boundary for managing the most impactful emission sources belonging to this category. At this time, emissions associated with waste generation have not been feasible to calculate but we will continue to evaluate if this should be included in our future inventory.

Business travel

Evaluation status
Relevant, calculated

Metric tonnes CO2e
1392

Emissions calculation methodology
The Greenhouse Gas Protocol and WRI Transport Tool. This figure includes all mobile sources for business travel.

Percentage of emissions calculated using data obtained from suppliers or value chain partners
2

Please explain
Data is collected from third-party providers as well as our internal payroll system.

Employee commuting

Evaluation status
Not evaluated

Metric tonnes CO2e
<Not Applicable>

Emissions calculation methodology
<Not Applicable>

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

Please explain
Many of our employees work throughout our service territory and travel to different areas each day making the tracking of actual miles challenging and not considered a priority source of scope 3 emissions at this time.

Upstream leased assets

Evaluation status
Not relevant, explanation provided

Metric tonnes CO2e
<Not Applicable>

Emissions calculation methodology
<Not Applicable>

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

Please explain
We include leased assets in Scopes 1 and 2.

Downstream transportation and distribution

Evaluation status
Not relevant, explanation provided

Metric tonnes CO2e
<Not Applicable>

Emissions calculation methodology
<Not Applicable>

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

Please explain
We have no downstream transportation and distribution of our products. They are considered "consumed/used" upon sale.

Processing of sold products

Evaluation status
Not relevant, explanation provided

Metric tonnes CO2e
<Not Applicable>

Emissions calculation methodology
<Not Applicable>

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

Please explain
There is no additional processing of our products. They are considered "consumed/used" upon sale.

Use of sold products

Evaluation status
Relevant, calculated

Metric tonnes CO2e
16471232

Emissions calculation methodology
Method based on USEPA reporting (40 CFR Part 98 and e-GRID) and electric and natural gas sales.

Percentage of emissions calculated using data obtained from suppliers or value chain partners
100

Please explain
As a regional gas and electric distribution company, we purchase and deliver electricity and natural gas for customer use. Customer use is reported in our Sustainability Report and used for these calculations. Scope 3 carbon emissions associated with the use of natural gas are estimated determined by US EPA protocol for 40 CFR 98. Carbon emissions associated with customer use of electricity are estimated based on the most recent e-GRID factors for New England provided by the USEPA.

End of life treatment of sold products

Evaluation status
Not relevant, explanation provided

Metric tonnes CO2e
<Not Applicable>

Emissions calculation methodology
<Not Applicable>

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

Please explain
There is no “end of life treatment” of our products. They are considered “complete/used” upon sale.

Downstream leased assets

Evaluation status
Relevant, not yet calculated

Metric tonnes CO2e
<Not Applicable>

Emissions calculation methodology
<Not Applicable>

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

Please explain
Emissions associated with these properties are not considered significant in relation to overall footprint and they are outside of our GHG inventory boundary.

Franchises

Evaluation status
Not relevant, explanation provided

Metric tonnes CO2e
<Not Applicable>

Emissions calculation methodology
<Not Applicable>

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

Please explain
Eversource does not have any franchises within our operational control.

Investments

Evaluation status
Not relevant, explanation provided

Metric tonnes CO2e
<Not Applicable>

Emissions calculation methodology
<Not Applicable>

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

Please explain
We are continuing to evaluate our scope 3 emissions and working towards establishing an appropriate boundary for managing the most impactful emission sources belonging to this category. At this time, emissions associated with our investments have not been feasible to calculate but we will continue to evaluate if this should be included in our future inventory.

Other (upstream)

Evaluation status
Not evaluated

Metric tonnes CO2e
<Not Applicable>

Emissions calculation methodology
<Not Applicable>

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

Please explain
At this time, we are not tracking other sources of scope 3 emissions beyond what has already been described.

Other (downstream)

Evaluation status
Not evaluated

Metric tonnes CO2e
<Not Applicable>

Emissions calculation methodology
<Not Applicable>

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

Please explain
At this time, we are not tracking other sources of scope 3 emissions beyond what has already been described.

C6.7

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

C6.7a

(C6.7a) Provide the emissions from biogenic carbon relevant to your organization in metric tons CO2.

	CO2 emissions from biogenic carbon (metric tons CO2)	Comment
Row 1	1105.77	Eversource uses biodiesel in fleet vehicles. In 2020, biogenic emissions from use of biodiesel equaled 1,105.77 MT CO2e.

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
0.000076965

Metric numerator (Gross global combined Scope 1 and 2 emissions, metric tons CO2e)
685331

Metric denominator
unit total revenue

Metric denominator: Unit total
8904430000

Scope 2 figure used
Location-based

% change from previous year
1.35

Direction of change
Decreased

Reason for change
Scopes 1 and 2 declined while our revenue increased. Also, our fugitive emissions associated with operations were reduced.

Intensity figure
73.7

Metric numerator (Gross global combined Scope 1 and 2 emissions, metric tons CO2e)
685331

Metric denominator
full time equivalent (FTE) employee

Metric denominator: Unit total
9299

Scope 2 figure used
Location-based

% change from previous year
8.77

Direction of change
Decreased

Reason for change
Eversource did not include intensity based on FTE in our last CDP filing. Scopes 1 and 2 for 2019 amounted to 665,194 while the number of full time equivalent employees for 2019 was 8,234 which produced an intensity figure of 80.8 for 2019. Scopes 1 and 2 declined in 2020 due to a less intense regional electric emissions factor. Also, our fugitive emissions associated with operations were reduced. The intensity figure based on full time equivalent employees declined 8.77% compared to 2019.

C7. Emissions breakdowns

C7.1

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

C7.1a

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

Greenhouse gas	Scope 1 emissions (metric tons of CO2e)	GWP Reference
CO2	78565.97	IPCC Fourth Assessment Report (AR4 - 100 year)
CH4	69462.73	IPCC Fourth Assessment Report (AR4 - 100 year)
N2O	605.21	IPCC Fourth Assessment Report (AR4 - 100 year)
SF6	25059.47	IPCC Fourth Assessment Report (AR4 - 100 year)

C-EU7.1b

(C-EU7.1b) Break down your total gross global Scope 1 emissions from electric utilities value chain activities by greenhouse gas type.

	Gross Scope 1 CO2 emissions (metric tons CO2)	Gross Scope 1 methane emissions (metric tons CH4)	Gross Scope 1 SF6 emissions (metric tons SF6)	Total gross Scope 1 emissions (metric tons CO2e)	Comment
Fugitives	0.42	2776.59	2423.1	94474	Includes emissions from whole company
Combustion (Electric utilities)	27100.34	0.585	0.072	27136.3	Activities for our gas and electric companies are combined and thus our emissions are difficult to assign to only the electric utility activities. For example, many of our work centers and garages are for both electric and gas operations. Therefore, this number includes stationary combustion activities for our gas companies as part of Eversource.
Combustion (Gas utilities)	0	0	0	0	Eversource manages emissions on an enterprise-wide footprint and does not currently report emissions specifically from its natural gas utilities. They are included above.
Combustion (Other)	0	0	0	0	
Emissions not elsewhere classified	51465.21	1.336	1.959	52082.487	Mobile - Includes emissions from whole company

C7.2

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

Country/Region	Scope 1 emissions (metric tons CO2e)
United States of America	173693

C7.3

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

By business division

By activity

C7.3a

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

Business division	Scope 1 emissions (metric ton CO2e)
Eversource	137198.93
Eversource Gas of Company Massachusetts (EGMA)	32474.98
Aquarion	4019.48

C7.3c

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

Activity	Scope 1 emissions (metric tons CO2e)
Generation	0
Stationary Combustion	27136
Mobile Sources	52082
Gas Leakage	69415
SF6 Leakage	25059

C-CE7.4/C-CH7.4/C-CO7.4/C-EU7.4/C-MM7.4/C-OG7.4/C-ST7.4/C-TO7.4/C-TS7.4

(C-CE7.4/C-CH7.4/C-CO7.4/C-EU7.4/C-MM7.4/C-OG7.4/C-ST7.4/C-TO7.4/C-TS7.4) Break down your organization's total gross global Scope 1 emissions by sector production activity in metric tons CO2e.

	Gross Scope 1 emissions, metric tons CO2e	Net Scope 1 emissions , metric tons CO2e	Comment
Cement production activities	<Not Applicable>	<Not Applicable>	<Not Applicable>
Chemicals production activities	<Not Applicable>	<Not Applicable>	<Not Applicable>
Coal production activities	<Not Applicable>	<Not Applicable>	<Not Applicable>
Electric utility activities	173693	<Not Applicable>	Eversource manages emissions on an enterprise-wide footprint and does not currently report emissions. The data provided here represents all Eversource scope 1 emissions including our electric utility operations as well as gas and water utilities.
Metals and mining production activities	<Not Applicable>	<Not Applicable>	<Not Applicable>
Oil and gas production activities (upstream)	<Not Applicable>	<Not Applicable>	<Not Applicable>
Oil and gas production activities (midstream)	<Not Applicable>	<Not Applicable>	<Not Applicable>
Oil and gas production activities (downstream)	<Not Applicable>	<Not Applicable>	<Not Applicable>
Steel production activities	<Not Applicable>	<Not Applicable>	<Not Applicable>
Transport OEM activities	<Not Applicable>	<Not Applicable>	<Not Applicable>
Transport services activities	<Not Applicable>	<Not Applicable>	<Not Applicable>

C7.9

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

Decreased

C7.9a

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

	Change in emissions (metric tons CO2e)	Direction of change	Emissions value (percentage)	Please explain calculation
Change in renewable energy consumption	0	No change	0	
Other emissions reduction activities	4539	Decreased	15	Eversource continues to reduce emissions from SF6 use by improving operations and maintenance, as well as replacement of aging equipment with equipment that is less prone to leakage.
Divestment	0	No change	0	There were no divestitures in 2020.
Acquisitions	0	No change	0	Although Eversource acquired EGMA (former CMA) in 2020, the emissions have been added to previous years back to baseline (2018).
Mergers	0	No change	0	There were no mergers in 2020.
Change in output	0	No change	0	Our outputs do not impact our own emissions.
Change in methodology	19802	Decreased	6.4	The USEPA updated the emissions factors for electricity in eGRID, resulting in fewer emissions for overall electric use and line loss. Percent reduction shown is for impacts from egrid only.
Change in boundary	0	No change	0	We did not change our boundaries in 2020.
Change in physical operating conditions	0	No change	0	We did not change our physical operating conditions in 2020.
Unidentified		<Not Applicable>		
Other	2656.86	Decreased	1	Other emissions decreases were due to attention to potential reductions in all business areas as part of our overall carbon strategy. Areas we saw the greatest decrease were fuel burning for heat and emergency generation of power and for process fuel in our LNGs.

C7.9b

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

Location-based

C8. Energy

C8.1

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

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

C8.2

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

	Indicate whether your organization undertook this energy-related activity in the reporting year
Consumption of fuel (excluding feedstocks)	Yes
Consumption of purchased or acquired electricity	Yes
Consumption of purchased or acquired heat	No
Consumption of purchased or acquired steam	Yes
Consumption of purchased or acquired cooling	Yes
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)	HHV (higher heating value)	0	362234.57	362234.57
Consumption of purchased or acquired electricity	<Not Applicable>	0	174820.21	174820.21
Consumption of purchased or acquired heat	<Not Applicable>	<Not Applicable>	<Not Applicable>	<Not Applicable>
Consumption of purchased or acquired steam	<Not Applicable>	0	984	984
Consumption of purchased or acquired cooling	<Not Applicable>	0	1079	1079
Consumption of self-generated non-fuel renewable energy	<Not Applicable>	0	<Not Applicable>	0
Total energy consumption	<Not Applicable>	0	539117.78	539117.78

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.

Fuels (excluding feedstocks)

Diesel

Heating value

HHV (higher heating value)

Total fuel MWh consumed by the organization

103671.16

MWh fuel consumed for self-generation of electricity

<Not Applicable>

MWh fuel consumed for self-generation of heat

<Not Applicable>

MWh fuel consumed for self-generation of steam

<Not Applicable>

MWh fuel consumed for self-generation of cooling

<Not Applicable>

MWh fuel consumed for self-cogeneration or self-trigeneration

<Not Applicable>

Emission factor
73.96

Unit
kg CO2e per million Btu

Emissions factor source
40 CFR Part 98, Subpart C. Table C-1, C-2

Comment
Fuel use in MWh is calculated and emissions are reported using USEPA emissions factors from 40 CFR Part 98. Total diesel includes use of biodiesel blends from mobile sources.

Fuels (excluding feedstocks)
Natural Gas

Heating value
HHV (higher heating value)

Total fuel MWh consumed by the organization
134760.48

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

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

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

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

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

Emission factor
66.88

Unit
kg CO2 per million Btu

Emissions factor source
40 CFR Part 98, Subpart C. Table C-1, C-2

Comment
Fuel use in MWh is calculated and emissions are reported using USEPA emissions factors from 40 CFR Part 98. Natural gas use includes the use of CNG for mobile sources.

Fuels (excluding feedstocks)
Motor Gasoline

Heating value
HHV (higher heating value)

Total fuel MWh consumed by the organization
117102.72

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

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

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

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

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

Emission factor
70.22

Unit
kg CO2 per million Btu

Emissions factor source
40 CFR Part 98, Subpart C. Table C-1, C-2

Comment
Fuel use in MWh is calculated and emissions are reported using USEPA emissions factors from 40 CFR Part 98.

Fuels (excluding feedstocks)
Propane Liquid

Heating value
HHV (higher heating value)

Total fuel MWh consumed by the organization
6700.2

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

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

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

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

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

Emission factor
61.71

Unit
kg CO2 per million Btu

Emissions factor source
40 CFR Part 98, Subpart C. Table C-1, C-2

Comment
Calculations here for propane as Liquified Petroleum Gas (LPG) in MWh and emissions are reported using UESPA factors from 40 CFR Part 98.

C-EU8.2d

(C-EU8.2d) For your electric utility activities, provide a breakdown of your total power plant capacity, generation, and related emissions during the reporting year by source.

Coal – hard

Nameplate capacity (MW)
0

Gross electricity generation (GWh)
0

Net electricity generation (GWh)
0

Absolute scope 1 emissions (metric tons CO2e)
0

Scope 1 emissions intensity (metric tons CO2e per GWh)
0

Comment
Solar is the only generation we have.

Lignite

Nameplate capacity (MW)
0

Gross electricity generation (GWh)
0

Net electricity generation (GWh)
0

Absolute scope 1 emissions (metric tons CO2e)
0

Scope 1 emissions intensity (metric tons CO2e per GWh)
0

Comment
Solar is the only generation we have.

Oil

Nameplate capacity (MW)
0

Gross electricity generation (GWh)
0

Net electricity generation (GWh)
0

Absolute scope 1 emissions (metric tons CO2e)
0

Scope 1 emissions intensity (metric tons CO2e per GWh)
0

Comment
Solar is the only generation we have.

Gas

Nameplate capacity (MW)
0

Gross electricity generation (GWh)
0

Net electricity generation (GWh)
0

Absolute scope 1 emissions (metric tons CO2e)
0

Scope 1 emissions intensity (metric tons CO2e per GWh)
0

Comment
Solar is the only generation we have.

Biomass

Nameplate capacity (MW)
0

Gross electricity generation (GWh)
0

Net electricity generation (GWh)
0

Absolute scope 1 emissions (metric tons CO2e)
0

Scope 1 emissions intensity (metric tons CO2e per GWh)
0

Comment
Solar is the only generation we have.

Waste (non-biomass)

Nameplate capacity (MW)
0

Gross electricity generation (GWh)
0

Net electricity generation (GWh)
0

Absolute scope 1 emissions (metric tons CO2e)
0

Scope 1 emissions intensity (metric tons CO2e per GWh)
0

Comment
Solar is the only generation we have.

Nuclear

Nameplate capacity (MW)
0

Gross electricity generation (GWh)
0

Net electricity generation (GWh)
0

Absolute scope 1 emissions (metric tons CO2e)
0

Scope 1 emissions intensity (metric tons CO2e per GWh)
0

Comment
Solar is the only generation we have.

Fossil-fuel plants fitted with CCS

Nameplate capacity (MW)
0

Gross electricity generation (GWh)
0

Net electricity generation (GWh)
0

Absolute scope 1 emissions (metric tons CO2e)
0

Scope 1 emissions intensity (metric tons CO2e per GWh)
0

Comment
Solar is the only generation we have.

Geothermal

Nameplate capacity (MW)
0

Gross electricity generation (GWh)
0

Net electricity generation (GWh)
0

Absolute scope 1 emissions (metric tons CO2e)
0

Scope 1 emissions intensity (metric tons CO2e per GWh)
0

Comment
Solar is the only generation we have.

Hydropower

Nameplate capacity (MW)
0

Gross electricity generation (GWh)
0

Net electricity generation (GWh)
0

Absolute scope 1 emissions (metric tons CO2e)
0

Scope 1 emissions intensity (metric tons CO2e per GWh)
0

Comment
Solar is the only generation we have.

Wind

Nameplate capacity (MW)
0

Gross electricity generation (GWh)
0

Net electricity generation (GWh)
0

Absolute scope 1 emissions (metric tons CO2e)
0

Scope 1 emissions intensity (metric tons CO2e per GWh)
0

Comment
Solar is the only generation we have.

Solar

Nameplate capacity (MW)
70

Gross electricity generation (GWh)
83

Net electricity generation (GWh)
83

Absolute scope 1 emissions (metric tons CO2e)
0

Scope 1 emissions intensity (metric tons CO2e per GWh)
0

Comment
Solar is the only generation we have.

Marine

Nameplate capacity (MW)
0

Gross electricity generation (GWh)
0

Net electricity generation (GWh)
0

Absolute scope 1 emissions (metric tons CO2e)
0

Scope 1 emissions intensity (metric tons CO2e per GWh)
0

Comment
Solar is the only generation we have.

Other renewable

Nameplate capacity (MW)
0

Gross electricity generation (GWh)
0

Net electricity generation (GWh)
0

Absolute scope 1 emissions (metric tons CO2e)
0

Scope 1 emissions intensity (metric tons CO2e per GWh)
0

Comment
Solar is the only generation we have.

Other non-renewable

Nameplate capacity (MW)
0

Gross electricity generation (GWh)
0

Net electricity generation (GWh)
0

Absolute scope 1 emissions (metric tons CO2e)
0

Scope 1 emissions intensity (metric tons CO2e per GWh)
0

Comment
Solar is the only generation we have.

Total

Nameplate capacity (MW)
70

Gross electricity generation (GWh)
83

Net electricity generation (GWh)
83

Absolute scope 1 emissions (metric tons CO2e)
0

Scope 1 emissions intensity (metric tons CO2e per GWh)
0

Comment
Solar is the only generation we have.

C-EU8.4

(C-EU8.4) Does your electric utility organization have a transmission and distribution business?
Yes

C-EU8.4a

(C-EU8.4a) Disclose the following information about your transmission and distribution business.

Country/Region
United States of America

Voltage level
Transmission (high voltage)

Annual load (GWh)
62543

Annual energy losses (% of annual load)
4.1

Scope where emissions from energy losses are accounted for
Scope 2 (location-based)

Emissions from energy losses (metric tons CO2e)
471998

Length of network (km)
101295

Number of connections
3873969

Area covered (km2)
34266

Comment
All figures provided above are for our transmission and distribution system as a combined operation. All emissions are included in transmission segment because there is no way to identify emissions for transmission and distribution separately. Transmission - High Voltage (kV): 69 to 345 Distribution - Low Voltage (kV): less than 69 Length of network includes distribution overhead and underground circuit miles totaling 94,225 and transmission overhead and underground cable miles that total 7,070. Number of connections includes 3,241,292 electric customers, 563 substations and 632,114 energy transformers.

C9. Additional metrics

C9.1

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

C-EU9.5a

(C-EU9.5a) Break down, by source, your total planned CAPEX in your current CAPEX plan for power generation.

Primary power generation source	CAPEX planned for power generation from this source	Percentage of total CAPEX planned for power generation	End year of CAPEX plan	Comment
Solar	500000000	100	2025	New Massachusetts legislation permits utilities to expand ownership of solar facilities. The company's five-year CAPEX plan includes expenditures to build 280 megawatts of solar capacity.

C-EU9.5b

(C-EU9.5b) Break down your total planned CAPEX in your current CAPEX plan for products and services (e.g. smart grids, digitalization, etc.).

Products and services	Description of product/service	CAPEX planned for product/service	Percentage of total CAPEX planned products and services	End of year CAPEX plan
Electric vehicles	Executing on $45 million effort to build 3,500 new charging ports. Received regulatory approval for additional $10 million of investment.	55000000	36.4	2025
Smart grid	$133 million for grid facing investments in visibility and automation completed in 2020. Received regulatory approval for additional $56 million of investment in 2021.	56000000	37.1	2025
Large-scale storage	Construction underway on Cape Cod project. Completion expected in 2021.	40000000	26.5	2025

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	

C10. Verification

C10.1

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

	Verification/assurance status
Scope 1	Third-party verification or assurance process in place
Scope 2 (location-based or market-based)	Third-party verification or assurance process in place
Scope 3	No third-party verification or assurance

C10.1a

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

Verification or assurance cycle in place
Annual process

Status in the current reporting year
Complete

Type of verification or assurance
Limited assurance

Attach the statement
Eversource 2020 GHG Verification Statement.pdf

Page/ section reference
Pgs 1-2

Relevant standard
ISO14064-3

Proportion of reported emissions verified (%)
100

C10.1b

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

Scope 2 approach
Scope 2 location-based

Verification or assurance cycle in place
Annual process

Status in the current reporting year
Complete

Type of verification or assurance
Limited assurance

Attach the statement
Eversource 2020 GHG Verification Statement.pdf

Page/ section reference
Pgs 1-2

Relevant standard
ISO14064-3

Proportion of reported emissions verified (%)
100

Scope 2 approach
Scope 2 market-based

Verification or assurance cycle in place
Annual process

Status in the current reporting year
Complete

Type of verification or assurance
Limited assurance

Attach the statement
Eversource 2020 GHG Verification Statement.pdf

Page/ section reference
Pgs 1-2

Relevant standard
ISO14064-3

Proportion of reported emissions verified (%)
100

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 suppliers

Yes, our customers

C12.1a

(C12.1a) Provide details of your climate-related supplier engagement strategy.

Type of engagement
Compliance & onboarding

Details of engagement
Included climate change in supplier selection / management mechanism
Code of conduct featuring climate change KPIs
Climate change is integrated into supplier evaluation processes

% of suppliers by number
100

% total procurement spend (direct and indirect)
100

% of supplier-related Scope 3 emissions as reported in C6.5
0

Rationale for the coverage of your engagement
Eversource is committed to sustainability in our supply chain and recognizes the importance of ethical behavior in both business relationships and in the workplace. Our supply chain sustainability program is focused on sharing our commitment to sustainability with our vendors. From training sessions with our Procurement Agents to targeted meetings with suppliers, we seek to identify opportunities that will further embed sustainability into our supply chain. During our procurement process, all vendors are required to respond to a series of sustainability questions that score their ESG efforts including environmental initiatives or goals such as addressing climate change.

Impact of engagement, including measures of success
Eversource requires all vendors to adhere to our Supplier Code of Business Conduct. We actively support industry-wide expansion of supply chain sustainability through participation in the Electric Utility Industry Sustainable Supply Chain Alliance ("EUISSCA"). EUISSCA is a collaboration of utilities working together to advance sustainability best practices in utility supply chain activities and supplier networks. Focusing on non-fuel suppliers, EUISSCA's goal is to work with industry suppliers and other interested parties to improve environmental performance and advance sustainable business. Supplier RFP ESG questions seek to identify environmental improvement opportunities, any environmental compliance violations, and whether they publicly report voluntary goals . Scores for all awarded vendors are tracked on an ongoing basis to monitor progress and ensure supplier compliance with laws and regulations. The program serves to: • Understand supplier sustainability efforts • Communicate our commitment to sustainability • Screen to differentiate supplier choice if all else is equal • Establish a baseline of supplier sustainability performance • Enable tracking progress • Encourage conversations on sustainability opportunities in our supply chain Responses to questions asked of suppliers in RFP's can be found on page 66 of Eversource's 2020 Sustainability Report. Success is measured and reported by % of suppliers meeting our standards in each sustainability area summarized above. Another way we measure success is by finding opportunities with suppliers to be more environmentally responsible. We are committed to reducing, reusing, and recycling materials whenever feasible, thereby reducing emissions that would be associated with disposal. In 2020, we avoided more than 12,000 metric tons of waste going to landfills. To support these efforts, our work with suppliers has led to an oil recycling program, a program to retread fleet vehicle tires and a reel-less cable program.

Comment

C12.1b

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

Type of engagement
Collaboration & innovation

Details of engagement
Run a campaign to encourage innovation to reduce climate change impacts

% of customers by number

% of customer - related Scope 3 emissions as reported in C6.5
99

Portfolio coverage (total or outstanding)
<Not Applicable>

Please explain the rationale for selecting this group of customers and scope of engagement
Eversource is committed to shaping new, forward-looking energy efficiency policies, legislation and regulations in each of the states in which we operate. We are proud to partner with our regulators and stakeholders, including the New England Clean Energy Council, Massachusetts Energy Efficiency Advisory Council, Connecticut Energy Efficiency Board and the New Hampshire Energy Efficiency and Sustainable Energy Board, to offer three statewide energy efficiency initiatives: Energize Connecticut, Mass Save and NHSaves. We provide innovative, industry-leading ways to help all customers save money and energy. We offer discounts, rebates and incentives for energy-saving products and services, professional energy assessments, tools to help customers better understand their energy use, quick energy saving facts, and much more. Eversource works with businesses small and large to identify and implement energy improvement opportunities, reduce operational costs, and increase productivity and competitiveness. We focus on a comprehensive approach to energy efficiency, emphasizing strategy and efficient use of available resources to have the biggest impact. Our highly skilled technical staff is dedicated to connecting customers to those solutions and to the financial incentives that help lower costs and improve payback for customers. Eversource serves the communities where we live and work in numerous ways, including offering educational curriculum for students of all ages, as well as training and workforce development opportunities for adults, including partnerships with community colleges. We also work with community action agencies in all three states to connect low income customers with energy efficiency solutions which in most cases are provided free of charge to qualified customers.

Impact of engagement, including measures of success
We provide opportunities to support our customers in using energy more efficiently, including upgrading equipment and adopting energy-saving practices. Through our dedicated Energy Efficiency Program we offer discounts, rebates and incentives for money- and energy-saving products and services, professional energy assessments, tools to help customers better understand their energy use, and easy energy-saving tips. We also work with businesses — small and large — to identify and implement energy-improvement opportunities, reduce operational costs, and increase productivity and competitiveness. The most powerful measure of our success is the number of customers that participate in our programs and the savings achieved. In 2020, more than 2.35 million electric and 166,000 gas customers participated in our energy efficiency programs, generating over $200 million in annual savings and annual reductions of 312,031 MT CO2e.

C12.3

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

Direct engagement with policy makers
Trade associations
Funding research organizations
Other

C12.3a

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

Focus of legislation	Corporate position	Details of engagement	Proposed legislative solution
Energy efficiency	Support	Eversource's leadership team works closely with lawmakers and regulators in each of the states in which it operates to shape new energy legislation, regulations and policy that focus on energy efficiency and maintaining Eversource's position as an industry-leading energy efficiency provider. The Company also engages directly with a wide variety of stakeholders and policy makers on energy efficiency issues through its membership on the New England Clean Energy Council, Massachusetts Energy Efficiency Advisory Council, the Connecticut Energy Efficiency Board and the NH Energy Efficiency & Sustainable Energy Board.	Massachusetts Green Communities Act of 2008 Public Act No. 13-298 - An Act Concerning Implementation of Connecticut's Comprehensive Energy Strategy and Various Revisions to the Energy Statutes. 2018 Comprehensive Energy. In MA, Eversource is working with the other Program Administrators (PAs) and stakeholders to support the Commonwealth's ambitious goal of net zero GHG emissions by 2050 in the statewide 2022-2024 Energy Efficiency Plan (2022-2024 Plan). Past Plans have been the most-effective contributors to the achievement of the state's climate change goals. The 2022-2024 Plan prioritizes electrification to support GHG emissions reductions by building on the PAs' strong track record of transformational investments to create the foundation for a market shift to electrification.
Other, please specify (Climate Change Mitigation, Adaptation and Resilience)	Support	In 2020, Eversource participated in Global Warming Act Implementation Action Committee (GWSA IAC) meetings, which focused on developing recommendations that contributed to the elements of "An Act Creating a Next-Generation Roadmap for Massachusetts Climate Policy" ("the Act"). We also worked with legislators and advocates through the committee process as this bill moved through its many iterations. We were particularly interested in providing municipalities, including environmental justice communities with climate resiliency options through the development of solar and storage. As part of the Act, Eversource and other electric or natural gas distribution companies are permitted to assist Massachusetts municipalities in responding to the risks of climate change by owning solar facilities equal to up to 10 percent of the total installed solar generating capacity in Massachusetts as of July 31, 2020. Such facilities may be paired with energy storage where feasible to do so. This legislation is anticipated to allow each of Eversource's Massachusetts operating companies to own up to approximately 280 MWs of solar generating facilities in addition to the 70 MWs previously constructed at NSTAR Electric.	On March 26, 2021, Massachusetts Governor Baker signed legislation, "An Act Creating a Next-Generation Roadmap for Massachusetts Climate Policy" ("the Act"). The Act amends the state's Global Warming Solutions Act (GWSA) and directs state agencies to set interim economy-wide greenhouse gas emissions limits, as well as sector-based emissions sublimits for certain sectors, every five years. It codifies the state's long-term emissions limit of net-zero emissions by 2050 and directs the adoption of a 2030 emissions limit of "at least 50 percent below 1990 levels" and a 2040 emissions limit of "at least 75 percent below 1990 levels." The Act also increases Renewable Portfolio Standard requirements, directs the creation of a municipal opt-in energy building code, addresses environmental justice protections, and directs the procurement of an additional 2,400 megawatts of offshore wind by 2027. Eversource supports the Next Generation Road Map legislation enacted by the legislature in March, 2021. We also supported provisions that would pave the way for reaching Massachusetts' climate goals, through energy efficiency, electric vehicle infrastructure, and the development of utility owned solar and storage.

C12.3b

(C12.3b) Are you on the board of any trade associations or do you provide funding beyond membership?

Yes

C12.3c

(C12.3c) Enter the details of those trade associations that are likely to take a position on climate change legislation.

Trade association

Various executives from Eversource served on boards in 2020. Eversource collaborates with many government and non-governmental organizations and associations to advance its sustainability activities and continuously learn of new or better ways to improve our presence on this planet. Many of these organizations take a position on climate change and promote the sharing of best practices and continuous improvement in corporate responsibility areas. The first example includes: Northeast Clean Energy Council

Is your position on climate change consistent with theirs?

Consistent

Please explain the trade association's position

Northeast Clean Energy Council (NECEC, formerly New England Clean Energy Council) supports local, state and federal initiatives to advance state, regional and federal clean energy policy through the following activities: Develops new clean energy policy proposals and proposals for program designs; Advocates for legislation to grow the clean energy sector; Engages with policy makers and regulatory agencies to influence clean energy policy and regulations; Hosts public events on clean energy policy and finance issues; Conducts research on barriers to industry growth. NECEC consults with its members and other clean energy stakeholders to educate policymakers and advance the effectiveness of its advocacy for policy and regulations that create demand and support development and deployment of clean energy technologies.

How have you influenced, or are you attempting to influence their position?

Actively participate in meetings and work with organization to understand its position on various issues that impact Eversource in order to reconcile differences.

Trade association

Environmental Business Council of New England (Eversource Vice President, Sustainability and Environmental Affairs, elected Chair of the EBC Board in June 2020)

Is your position on climate change consistent with theirs?

Consistent

Please explain the trade association's position

Environmental Business Council of New England (EBC) was established in 1990 by environmental and energy company executives who began meeting on a regular basis to exchange ideas and share experiences. The EBC was the first organization in the United States established to support and foster the development of the environmental industry. Its goal is to enhance business and job growth of both established and emerging environmental and energy businesses. The EBC is committed to supporting its members by: providing member companies with an array of programs, activities, and information to enable them to stay on the cutting edge of environmental and energy technologies, management and regulatory developments; and creating networking opportunities that facilitate meaningful relationships between leaders in the industry,

leading to collaboration and teaming.

How have you influenced, or are you attempting to influence their position?
Actively participate in meetings and work with organization to understand its position and regulatory requirements on various issues that impact Eversource.

Trade association
American Council for an Energy Efficient Economy (ACEEE) (Eversource's Chief Customer Officer and Senior Vice President serves as Chair of the Board of Directors).

Is your position on climate change consistent with theirs?
Consistent

Please explain the trade association's position
The American Council for an Energy-Efficient Economy (ACEEE) is dedicated to advancing energy efficiency as a means of promoting economic prosperity, energy security and environmental protection. ACEEE fulfills its mission by: Conducting in-depth technical and policy assessments; Advising policymakers and program managers; Working collaboratively with businesses, government officials, public interest groups and other organizations; Organizing conferences and workshops; Publishing books, conference proceedings and reports; and Educating consumers and businesses. Projects are carried out by ACEEE staff and selected energy efficiency experts from universities, national laboratories and the private sector. ACEEE's program areas include: Energy Policy, Outreach and Research (including programs on buildings and equipment, utilities, industry, agriculture, transportation, behavior, economic analysis, and international).

How have you influenced, or are you attempting to influence their position?
Actively participate in meetings and work with organization to understand its position on various issues that impact Eversource in order to reconcile differences.

Trade association
Consortium for Energy Efficiency (CEE) (Eversource's Director of Energy Efficiency serves on their Board)

Is your position on climate change consistent with theirs?
Consistent

Please explain the trade association's position
Consortium for Energy Efficiency (CEE) is the US and Canadian consortium of gas and electric efficiency program administrators that works together to accelerate the development and availability of energy efficient products and services for lasting public benefit.

How have you influenced, or are you attempting to influence their position?
Actively participate in meetings and work with organization to understand its position on various issues that impact Eversource in order to reconcile differences.

Trade association
Edison Electric Institute (Vice President, Investor Relations)

Is your position on climate change consistent with theirs?
Consistent

Please explain the trade association's position
The Edison Electric Institute (EEI) is the association that represents all U.S. investor-owned electric companies. Its members provide electricity for 220 million Americans, operate in all 50 states and the District of Columbia, and directly employ nearly 500,000 workers. Safe, reliable, affordable, and clean electricity powers the economy and enhances the lives of all Americans. EEI provides public policy leadership, strategic business intelligence, and essential conferences and forums in order to make a significant and positive contribution to the long-term success of the electric power industry in its vital mission to provide electricity to foster economic progress and improve the quality of life. The ESG Steering Committee focused on developing voluntary ESG reporting to the investment community, that is concise and consistent for our industry, to include practices, programs, and initiatives designed to support the company's transition to a lower carbon and increasingly sustainable energy future. The EEI ESG initiative holds at least two meetings a year with industry representatives, the financial community and groups that use the data generated by EEI's standardized ESG template in an effort to improve industry-wide disclosure. The electric and natural gas industries are the only industries in the US that have achieved widespread adoption of such standardized templates. Additionally, Eversource's chairman co-chairs the Electric Supply and Delivery Committee which includes steering the industry's positions on FERC policy. Eversource is also represented on EEI's enterprise risk management committee.

How have you influenced, or are you attempting to influence their position?
Actively participate in meetings and work with organization to understand its position on various issues that impact Eversource in order to reconcile differences.

Trade association
American Gas Association (Eversource President of Gas Operations serves on the Board of Directors)

Is your position on climate change consistent with theirs?
Consistent

Please explain the trade association's position
The American Gas Association (AGA) represents more than 200 local energy companies that deliver clean natural gas throughout the United States. More than 68 million residential, commercial and industrial customers across the nation receive their reliable, affordable supplies of natural gas from AGA members—and natural gas meets almost a quarter of America's energy needs. AGA is committed to leveraging and utilizing America's abundant, domestic, affordable and clean natural gas to help meet the nation's energy and environmental needs. AGA represents companies delivering natural gas safely, reliably, and in an environmentally responsible way to help improve the quality of life for their customers every day. Its mission is to provide clear value to its membership and serve as the indispensable, leading voice and facilitator in promoting the safe, reliable, and efficient delivery of natural gas to homes and businesses across the nation. AGA: 1) Conducts programs and develops standards to help enhance the safe delivery of natural gas to consumers; 2) Advocates for natural gas industry issues, regulatory constructs and business models that are priorities for the industry; 3) Promotes growth in the efficient use of natural gas by emphasizing before a variety of stakeholders the benefits of clean, abundant natural gas as part of the solution to the nation's energy and environmental goals; 4) Facilitates the exchange of information and improvement of performance metrics to help members achieve operational excellence; 5) Helps members manage and respond to the energy needs of customers, regulatory trends, natural gas or capital market issues and emerging technologies; 6) Collects, analyzes and disseminates information to opinion leaders, policy makers and consumers about the benefits provided by energy utilities and the natural gas industry; and 7) Encourages the development, commercialization, and regulatory acceptance of natural gas end-use technologies.

How have you influenced, or are you attempting to influence their position?
Actively participate in meetings and work with organization to understand its position on various issues that impact Eversource in order to reconcile differences.

Trade association
Northeast Gas Association (Eversource President of Gas Operations serves on the Board of Directors)

Is your position on climate change consistent with theirs?
Consistent

Please explain the trade association's position
The Northeast Gas Association (NGA) is a regional trade association that focuses on education and training, technology research and development, operations, planning, and increasing public awareness of natural gas in the Northeast U.S. Its mission is to promote and enhance the safe, reliable, efficient, and environmentally responsible delivery of natural gas to customers in the region, and to advocate for the industry from production to delivery. NGA represents natural gas distribution companies, transmission companies, liquefied natural gas importers, and associate member companies. These companies provide natural gas to over 10 million customers in nine states (Connecticut, Maine, Massachusetts, New Hampshire, New Jersey, New York, Pennsylvania, Rhode Island and Vermont).

How have you influenced, or are you attempting to influence their position?
Actively participate in meetings and work with organization to understand its position on various issues that impact Eversource in order to reconcile differences.

Trade association
New England Women in Energy and the Environment (Eversource's Vice President, Sustainability and Environmental Affairs serves on the Board of Directors and Membership Chair).

Is your position on climate change consistent with theirs?
Consistent

Please explain the trade association's position
New England Women in Energy and the Environment (NEWIEE) harnesses the passion, intelligence and leadership experience of New England women to promote and encourage public interest in the energy and the environment sectors. Comprised of members across the public and private sectors, as well as various age groups, NEWIEE is also a stimulating forum for networking, sharing of expertise and information, and mentoring. It is the goal of NEWIEE to foster a dynamic and enthusiastic environment for those who care about energy and environmental issues in order to encourage the development of creative solutions to energy and environmental issues.

How have you influenced, or are you attempting to influence their position?
Actively participate in meetings and work with organization to understand its position on various issues that impact Eversource including regulatory developments and industry trends.

Trade association
Electric Utility Industry Sustainable Supply Chain Alliance (EUISSCA) utility member

Is your position on climate change consistent with theirs?
Consistent

Please explain the trade association's position
The Alliance aspires to be known as the leader in establishing a robust and sustainable electric utility industry supply chain including advancing the maturity level of our members and stakeholders. The Alliance's mission is to work with its members and interested stakeholders to minimize the impacts on the environment of our supply chain operations. This will be accomplished by: 1) Developing voluntary consensus standards and frameworks; 2) Working with stakeholders and value chain partners to identify and exchange successful practices; and 3) Delivering tangible business value to member organizations through the application of sustainability practices.

How have you influenced, or are you attempting to influence their position?
Actively participate in meetings and work with organization to understand its position on various issues that impact Eversource in order to reconcile differences.

Trade association
Boston Green Ribbon Commission (Eversource's Chief Customer Officer and Senior Vice President, member)

Is your position on climate change consistent with theirs?
Consistent

Please explain the trade association's position
The mission of the Green Ribbon Commission (GRC) is to convene leaders from Boston's key sectors to support the outcomes of the City's Climate Action Plan. Boston is committed to reducing greenhouse gas emissions 25 percent (over 2005) by 2020 and achieving net zero carbon energy sources by 2050, even as the city grows. City leaders have also pledged to prepare, in numerous ways, for the effects of climate change. The GRC provides a forum for representatives of the private sector and the City to discuss, plan and act on the opportunities, challenges, ideas, and requirements of preparing Boston to meet the imperatives of climate change.

How have you influenced, or are you attempting to influence their position?
Actively participate in meetings and work with organization to understand its position on various issues that impact Eversource in order to reconcile differences.

C12.3d

(C12.3d) Do you publicly disclose a list of all research organizations that you fund?
No

C12.3e

(C12.3e) Provide details of the other engagement activities that you undertake.

Eversource engages with our customers, our communities and other stakeholders in many different ways to protect our environment, mitigate the impacts of climate change. We offer opportunities for students to learn how to reduce energy use along with offering industry leading energy efficiency programs. We also have extensive outreach with our communities and other stakeholders about our clean energy and EV infrastructure investments. Some examples of activities include:

- Eversource is a strong proponent of policies and programs to promote electric and natural gas vehicles. Our EV resource page on Eversource.com offers fast access to EV information and resources. All of the states that we serve are pursuing comprehensive plans that include the advancement of EVs. Connecticut and Massachusetts are two of eight states that signed the State Zero Emission Vehicle Program Memorandum of Understanding in 2013, with a combined two-state target of having 450,000 zero-emission vehicles on the road by 2025, along with the supporting infrastructure.
- In an effort to provide drivers with effective and convenient charging options that enable long-distance EV travel, Eversource joined the Electric Highway Coalition in 2021. Comprised of seven of the nation's leading utility companies, the coalition will advance clean energy by helping to enable EV drivers' access to uninterrupted travel across major regions of the country. This effort will provide drivers with effective, efficient and convenient charging options that enable long-distance EV travel. Sites along major highway routes with easy highway access and amenities for travellers are being considered as coalition members work to determine final charging station locations. Charging stations will provide DC fast chargers that are capable of getting drivers back on the road in approximately 20-30 minutes.
- Eversource partners with the Connecticut Notable Tree Committee and the Tree Wardens Association of Connecticut to address the condition of some of the largest and most historic trees near power lines included in the collection of 3,600 notable trees around the state.
- The Eversource Energy Center at the University of Connecticut is an innovative partnership targeting grid resilience, security and modernization. With preparedness at the forefront of ensuring superior customer service, the University's Storm Outage Forecasting program delivers actionable information on the number and magnitude of predicted outage locations. Other results of the partnership include a forest management and public education initiative that aims to reduce the risk of power outages and other damage caused by wind-related tree failure, a flood vulnerability project, and research related to the integration of renewable generation.
- We value our role as a responsible land steward and own and maintain approximately 40,000 acres of land throughout our service territory, along with more than 15,000 acres of protected watershed land managed by a partnership among the Connecticut Department of Energy and Environmental Protection, The Nature Conservancy and Aquarion. As a member of the partnership, Aquarion works to protect the forest's many functions and resources.

C12.3f

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

Eversource's regulatory and government affairs departments monitor and engage regulators on current and upcoming climate and energy related legislation in the states where Eversource operates and on the federal level.

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
Eversource 2020-sustainability-report.pdf

Page/Section reference
Eversource's 2020 Sustainability Report covers various aspects on how the Comany is responding to climate change and reducing emssions throughout the publication. Key pages are as follows: pgs. 8-11,16-17, 38 (verification statement), 54-55 (TCFD), 61 (emissions data)

Content elements
Governance
Strategy
Risks & opportunities
Emissions figures
Emission targets
Other metrics

Comment

Publication
In mainstream reports

Status
Complete

Attach the document
2020 Annual Report.pdf

Page/Section reference
Page opposite inside back cover (Governance); pages 2-4 (Strategy); pages 15-20 (Risk Factors).

Content elements
Governance
Strategy

Risks & opportunities

Comment
2020 Annual Report

Publication
In other regulatory filings

Status
Complete

Attach the document
2021 Proxy Statement.pdf

Page/Section reference
Page 20 (Meetings of the Board and its Committees); pages 13-30 (Governance); and pages 22-28 (Eversource Sustainability/ESG/Climate Risk section involves strategy and shareholder engagement.

Content elements
Governance
Strategy
Risks & opportunities
Emissions figures
Other metrics

Comment
2021 Proxy Statement

Publication
In voluntary sustainability report

Status
Complete

Attach the document
Eversource 2020 GHG Verification Statement.pdf

Page/Section reference
Pages 1 and 2.

Content elements
Emissions figures

Comment
Greenhouse Gas (GHG) Verification Statement for 2020 Scope 1 and 2 CO2e Emissions for Eversource Energy

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Publication
In voluntary communications

Status
Complete

Attach the document
2021 Sustainability Pres for Investors Final .pdf

Page/Section reference
Pages 43-46 (Governance); pages 2, 8, 10, 16, 17, 21-24, 29, 35, 38 (Strategy); 8, 10 (Emissions)

Content elements
Governance
Strategy
Risks & opportunities
Emissions figures
Emission targets
Other metrics

Comment

C15. Signoff

C-FI

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

C15.1

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

	Job title	Corresponding job category
Row 1	Manager, Investor Relations	Other, please specify (Investor Relations)

Submit your response

In which language are you submitting your response?

English

Please confirm how your response should be handled by CDP

	I am submitting to	Public or Non-Public Submission
I am submitting my response	Investors	Public

Please confirm below

I have read and accept the applicable Terms