



Electric Company ESG/Sustainability Quantitative Information

Ref. No.	Refer to the 'EEI Definitions' tab for more information on each metric	Baseline 2012	Last Year 2020	Current Year 2021	Next Year 2022	Future Year 2026	Comments, Links, Additional Information, and Notes	
Portfolio								
1	Owned Nameplate Generation Capacity at end of year (MW)	1,188.6	70.0	70.0	70.0	1,830.0	<p>On January 10, 2018, Eversource completed the sale of its New Hampshire fossil fueled generation facilities. On August 26, 2018, Eversource completed the sale of its New Hampshire hydro generation assets. In 2018, Eversource completed construction of an additional 62 MW of solar capacity.</p> <p>MA legislation approved in January 2021 allows our operating companies to own additional MW of solar facilities above and beyond our current 70MW. We are considering options for the additional solar facilities.</p> <p>Offshore wind projects include South Fork Wind (132MW in service late 2023); Revolution Wind (704MW in service 2025) and Sunrise Wind (924MW in service late 2025). In 2022, we announced we would be performing a strategic review of our offshore wind assets that could result in the potential sale of all or part of our 50% partnership interest.</p>	
1.1	Coal	559.2	0.0	0.0	0.0	0.0		
1.2	Natural Gas	414.0	0.0	0.0	0.0	0.0		
1.3	Nuclear	95.0	0.0	0.0	0.0	0.0		
1.4	Petroleum	0.0	0.0	0.0	0.0	0.0		
1.5	Total Renewable Energy Resources	120.4	70.0	70.0	70.0	1,830.0		
1.5.1	Biomass/Biogas	50.0	0.0	0.0	0.0	0.0		
1.5.2	Geothermal	0.0	0.0	0.0	0.0	0.0		
1.5.3	Hydroelectric	66.3	0.0	0.0	0.0	0.0		
1.5.4	Solar	4.1	70.0	70.0	70.0	70.0		
1.5.5	Wind	0.0	0.0	0.0	0.0	1,760.0		
1.6	Other							
Use the data organizer on the left (i.e., the plus/minus symbol) to open/close the alternative generation reporting options								
2	Net Generation for the data year (MWh)	2,017,911	83,000	77,500				
2.1	Coal	1,276,898	0	0				
2.2	Natural Gas	67,808	0	0				
2.3	Nuclear	0	0	0				
2.4	Petroleum	160	0	0				
2.5	Total Renewable Energy Resources	673,045	83,000	77,500				
2.5.1	Biomass/Biogas	337,900	0	0				
2.5.2	Geothermal	0	0	0				
2.5.3	Hydroelectric	329,964						
2.5.4	Solar	5,181	83,000	77,500				
2.5.5	Wind	0	0	0				
2.6	Other	0	0	0				
Use the data organizer on the left (i.e., the plus/minus symbol) to open/close the alternative generation reporting options								
3	Capital Expenditures and Energy Efficiency (EE)							
3.1	Total Annual Capital Expenditures (nominal dollars)	\$ 1,500,000,000	\$ 3,064,000,000	\$ 3,541,000,000	\$ 3,897,000,000	\$ 3,504,000,000	Capital Expenditures - See Slide 18 Net savings 2021 Sustainability Report (page 83 of Appendix)	
3.2	Incremental Annual Electricity Savings from EE Measures (MWh)	811,624.4	951,718.8	820,443.9	440,360.0			
3.3	Incremental Annual Investment in Electric EE Programs (nominal dollars)	\$ 300,565,728	\$ 465,771,508	\$ 512,447,290	\$ 512,721,506			
4	Retail Electric Customer Count (at end of year)						Commercial customers include streetlighting.	
4.1	Commercial	376,515	386,142	387,785				
4.2	Industrial	8,279	7,359	7,270				
4.3	Residential	2,714,690	2,842,300	2,866,463				



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Emissions							
5	GHG Emissions: Carbon Dioxide (CO2) and Carbon Dioxide Equivalent (CO2e) Note: The alternatives available below are intended to provide flexibility in reporting GHG emissions, and should be used to the extent appropriate for each company.						Consider including carbon reduction targets in qualitative discussion
5.1	Owned Generation (1) (2) (3)						
5.1.1	Carbon Dioxide (CO2)						
5.1.1.1	Total Owned Generation CO2 Emissions (MT)	1,450,311	0	0	0	0	If applicable, indicate the inclusion of emissions from sources <25 MW or from other sources
5.1.1.2	Total Owned Generation CO2 Emissions Intensity (MT/Net MWh)	0.719					
5.1.2	Carbon Dioxide Equivalent (CO2e)						
5.1.2.1	Total Owned Generation CO2e Emissions (MT)	1,460,058	0	0	0	0	
5.1.2.2	Total Owned Generation CO2e Emissions Intensity (MT/Net MWh)	0.724					
5.2	Purchased Power (4)						Our power purchases are not detailed by generation source.
5.2.1	Carbon Dioxide (CO2)						
5.2.1.1	Total Purchased Generation CO2 Emissions (MT)						
5.2.1.2	Total Purchased Generation CO2 Emissions Intensity (MT/Net MWh)						
5.2.2	Carbon Dioxide Equivalent (CO2e)						
5.2.2.1	Total Purchased Generation CO2e Emissions (MT)						
5.2.2.2	Total Purchased Generation CO2e Emissions Intensity (MT/Net MWh)						
5.3	Owned Generation + Purchased Power						
5.3.1	Carbon Dioxide (CO2)						
5.3.1.1	Total Owned + Purchased Generation CO2 Emissions (MT)						
5.3.1.2	Total Owned + Purchased Generation CO2 Emissions Intensity (MT/Net MWh)						
5.3.2	Carbon Dioxide Equivalent (CO2e)						
5.3.2.1	Total Owned + Purchased Generation CO2e Emissions (MT)						
5.3.2.2	Total Owned + Purchased Generation CO2e Emissions Intensity (MT/Net MWh)						
5.4	Non-Generation CO2e Emissions of Sulfur Hexafluoride (SF6) (5)						This leak rate based on Net MWh is not meaningful for Eversource given that its only generation consists of that from its solar generation facilities.
5.4.1	Total CO2e emissions of SF6 (MT)	47,029	25,059	24,926			
5.4.2	Leak rate of CO2e emissions of SF6 (MT/Net MWh)	Not Meaningful	Not Meaningful	Not Meaningful			
6	Nitrogen Oxide (NOx), Sulfur Dioxide (SO2), Mercury (Hg)						
6.1	Generation basis for calculation (6)						
6.2	Nitrogen Oxide (NOx)						
6.2.1	Total NOx Emissions (MT)						
6.2.2	Total NOx Emissions Intensity (MT/Net MWh)						
6.3	Sulfur Dioxide (SO2)						
6.3.1	Total SO2 Emissions (MT)						
6.3.2	Total SO2 Emissions Intensity (MT/Net MWh)						
6.4	Mercury (Hg)						
6.4.1	Total Hg Emissions (kg)						
6.4.2	Total Hg Emissions Intensity (kg/Net MWh)						

Use the data organizer on the left (i.e., the plus/minus symbol) to open/close the Emissions section notes



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Resources							
7	Human Resources						
7.1	Total Number of Employees	8,842	9,291	9,227			
7.2	Percentage of Women in Total Workforce	27%	26%	26%			
7.3	Percentage of Minorities in Total Workforce	14%	19%	20%			
7.4	Total Number on Board of Directors/Trustees	14	11	12			
7.5	Percentage of Women on Board of Directors/Trustees	14%	27%	25%			
7.6	Percentage of Minorities on Board of Directors/Trustees	14%	36%	33%			
7.7	Employee Safety Metrics						
7.7.1	Recordable Incident Rate	2.46*	1.5	2.0			*For Recordable Lost Time Incident Rate, the base year is 2015 as data for 2012 is not available.
7.7.2	Lost-time Case Rate	0.72	0.4	0.7			
7.7.3	Days Away, Restricted, and Transfer (DART) Rate	1.85	1.30	1.20			*In our 2021 Sustainability Report our DART, Recordable Incident (TRIR) and Lost Time rates were changed to OSHA rates for all years. Previous to this we used to use "company" rates that excluded certain types of injuries.
7.7.4	Work-related Fatalities	0.00	0.00	0.00			
8	Fresh Water Resources used in Thermal Power Generation Activities						
8.1	Water Withdrawals - Consumptive (Millions of Gallons)	0.00	0.00	0.00			
8.2	Water Withdrawals - Non-Consumptive (Millions of Gallons)	0.00	0.00	0.00			
8.3	Water Withdrawals - Consumptive Rate (Millions of Gallons/Net MWh)	0.00	0.00	0.00			
8.4	Water Withdrawals - Non-Consumptive Rate (Millions of Gallons/Net MWh)	0.00	0.00	0.00			
9	Waste Products						
9.1	Amount of Hazardous Waste Manifested for Disposal	2,333*	12,012	3,991			*For Hazardous waste manifested for disposal, the base year is 2015 as data for 2012 is not available.
9.2	Percent of Coal Combustion Products Beneficially Used	54%	N/A	N/A			On January 10, 2018, Eversource completed the sale of its New Hampshire fossil-fueled generation facilities.
Additional Metrics (Optional)							
<i>Insert additional rows in this section as necessary.</i>							



Gas Company ESG/Sustainability Quantitative Information

Ref. No.	Refer to the "Definitions" column for more information on each metric.	Baseline 2012	Last Year 2020	Current Year 2021	Next Year 2022	Future Year	Definitions	Comments, Additional Information
Natural Gas Distribution								
1	METHANE EMISSIONS AND MITIGATION FROM DISTRIBUTION MAINS						All methane leak sources per 98.232 (l) (1-5) are included for Distribution. Combustion sources are excluded. CO₂ is excluded.	
1.1	Number of Gas Distribution Customers	487,478	881,222	886,516			On October 9, 2020, Eversource acquired certain assets and liabilities that comprised the NISource Inc. natural gas distribution business in Massachusetts, which was previously doing business as Columbia Gas of Massachusetts. These natural gas distribution assets were assigned to Eversource Gas Company of Massachusetts (EGMA), a wholly-owned subsidiary of Eversource formed in 2020. EGMA distributes natural gas to approximately 332,000 customers in Massachusetts.	On October 9, 2020, Eversource acquired certain assets and liabilities that comprised NISource's natural gas distribution business in Massachusetts, which was previously doing business as Columbia Gas of Massachusetts. The number of customers attributed to the acquisition as of 12/31/20 is 332,187. The assets acquired were assigned to Eversource Gas Company of Massachusetts (EGMA), an indirect wholly-owned subsidiary of Eversource.
1.2	Distribution Mains in Service	6,458	11,821	11,830			These metrics should include all local distribution companies (LDCs) held by the Parent Company that are above the LDC Facility reporting threshold for EPA's 40 C.F.R. 98. Subpart W reporting rule.	
1.2.1	Plastic (miles)	2,771	5,850	5,981				
1.2.2	Cathodically Protected Steel - Bare & Coated (miles)	2,011	4,212	4,210				Eversource's natural gas operations have zero cathodically protected bare steel in its system. All of the company's cathodically protected steel is coated.
1.2.3	Unprotected Steel - Bare & Coated (miles)	865	816	763				
1.2.4	Cast Iron / Wrought Iron - without upgrades (miles)	811	943	876				
1.3	Plan/Commitment to Replace / Upgrade Remaining Miles of Distribution Mains (# years to complete)				CT 9 Years MA; NSTAR Gas 16 Yrs; EGMA 10 Yrs	CT 8 Years MA; NSTAR Gas 15 Yrs; EGMA 9 Yrs	These metrics should provide the number of years remaining to take out of service, replace or upgrade cathodically unprotected steel mains, and cast iron/wrought iron mains, consistent with applicable state utility commission authorizations.	
1.3.1	Unprotected Steel (Bare & Coated) (# years to complete)	See comment	See comment	See comment			Optional: # yrs by pipe type.	NSTAR Gas initiated its Gas System Enhancement Program (GSEP) in 2015 and is on pace to replace the steel and cast iron main in its distribution system in about 18 more years. EGMA is on pace to complete its GSEP by 2032. The Accelerated Replacement Program in Connecticut was initiated in 2011 and calls for replacing the bare steel and cast iron mains in the state's gas distribution system in 8 more years and unprotected steel in about 11 years. These programs have been approved by each state's regulatory agency.
1.3.2	Cast Iron / Wrought Iron (# years to complete)	See comment	See comment	See comment			Optional: # yrs by pipe type.	
2	Distribution CO ₂ e Fugitive Emissions						Fugitive methane emissions (not CO₂e combustion emissions) stated as CO₂e, as reported to EPA under 40 CFR 98, Subpart W, sections 98.236(g)(3)(iv)(D), 98.236(f)(1)(iv), and 98.236(f)(2)(v)(B) [i.e., this is Subpart W methane emissions as input in row 2.2 below and converted to CO₂e here. This metric should include fugitive methane emissions above the reporting threshold for all natural gas local distribution companies (LDCs) held by the Parent Company that are above the LDC Facility reporting threshold for EPA's 40 C.F.R. 98, Subpart W reporting rule. Calculated value based on mt CH₄ input in the 7.2 (below).	
2.1	CO ₂ e Fugitive Methane Emissions from Gas Distribution Operations (metric tons)	209,975	248,208	234,330			INPUT VALUE (total mt CH₄) as explained in definition above. Subpart W input is CH₄ (mt).	
2.2	CH ₄ Fugitive Methane Emissions from Gas Distribution Operations (metric tons)	8,399	9,928	9,373				
2.2.1	CH ₄ Fugitive Methane Emissions from Gas Distribution Operations (MMSCF/year)	437.4479167	517.0994792	488.1869792				
2.3	Annual Natural Gas Throughput from Gas Distribution Operations in thousands of standard cubic feet (Mscf/year)	104,678,000	172,308,041	170,989,938			This metric provides gas throughput from distribution (quantity of natural gas delivered to end users) reported under Subpart W, 40 C.F.R. 98.236(b)(9), as reported on the Subpart W e-GRF integrated reporting form in the "Facility Overview" worksheet. Excel form, Quantity of natural gas delivered to end users (column 4).	
2.3.1	Annual Methane Gas Throughput from Gas Distribution Operations in millions of standard cubic feet (MMscf/year)	99,444.67	163,692.64	162,440.44				
2.4	Fugitive Methane Emissions Rate (Percent MMScf of Methane Emissions per MMScf of Methane Throughput)	0.4398908%	0.3158960%	0.3005329%			Calculated annual metric: (MMSCF methane emissions)/MMSCF methane throughput)	
Natural Gas Transmission and Storage (see Comments)								
1	Onshore Natural Gas Transmission Compression Methane Emissions						All methane leak sources per 98.232 (e) (1-8), (f) (1-8), and (m) are included for Transmission and Storage. Combustion sources are excluded. CO₂ and N₂O are excluded.	
1.1.1	Pneumatic Device Venting (metric tons/year)						Fugitive Methane emissions as defined in 40 CFR 98 Sub W Section 232 (e) (1-8), CO₂ and N₂O emissions are excluded from this section.	Eversource is not involved in the natural gas transmission and storage segments.
1.1.2	Blowdown Vent Stacks (metric tons/year)						Value reported using calculation in 40 CFR 98 Sub W Section 236(b)(4)	
1.1.3	Transmission Storage Tanks (metric tons/year)						Value reported using calculation in 40 CFR 98 Sub W Section 236(j)(1)(iii)	
1.1.4	Flare Stack Emissions (metric tons/year)						Value reported using calculation in 40 CFR 98 Sub W Section 236(j)(2)(v)	
1.1.5	Centrifugal Compressor Venting (metric tons/year)						Value reported using calculation in 40 CFR 98 Sub W Section 236(g)(1)(1)	
1.1.6	Reciprocating Compressor Venting (metric tons/year)						Value reported using calculation in 40 CFR 98 Sub W Section 236(g)(2)(ii)(D)(2)	
1.1.7	Equipment leaks from valves, connectors, open ended lines, pressure relief valves, and meters (metric tons/year)						Value reported using calculation in 40 CFR 98 Sub W Section 236(g)(2)(i)(D)(2)	
1.1.8	Other Leaks (metric tons/year)						Value reported using calculation in 40 CFR 98 Sub W Section 236(g)(2)(i)(v)	
1.2	Total Transmission Compression Methane Emissions (metric tons/year)							
1.3	Total Transmission Compression Methane Emissions (CO ₂ e/year)							
1.4	Total Transmission Compression Methane Emissions (MMSCF/year)						Density of Methane = 0.0192 kg/R ³ per 40 CFR Sub W EQ. W-36	
2	Underground Natural Gas Storage Methane Emissions						Fugitive Methane emissions as defined in 40 CFR 98 Sub W Section 232 (f) (1-8), CO₂ and N₂O emissions are excluded from this section.	
2.1.1	Pneumatic Device Venting (metric tons/year)						Value reported using calculation in 40 CFR 98 Sub W Section 236(b)(4)	
2.1.2	Flare Stack Emissions (metric tons/year)						Value reported using calculation in 40 CFR 98 Sub W Section 236(g)(1)(1)	
2.1.3	Centrifugal Compressor Venting (metric tons/year)						Value reported using calculation in 40 CFR 98 Sub W Section 236(g)(2)(ii)(D)(2)	
2.1.4	Reciprocating Compressor Venting (metric tons/year)						Value reported using calculation in 40 CFR 98 Sub W Section 236(g)(2)(i)(D)(2)	
2.1.5	Equipment leaks from valves, connectors, open ended lines, pressure relief valves, and meters (metric tons/year)						Value reported using calculation in 40 CFR 98 Sub W Section 236(g)(2)(i)(v)	
2.1.6	Other Equipment Leaks (metric tons/year)						Value reported using calculation in 40 CFR 98 Sub W Section 236(g)(2)(i)(v)	
2.1.7	Equipment leaks from valves, connectors, open-ended lines, and pressure relief valves associated with storage wellheads (metric tons/year)						Value reported using calculation in 40 CFR 98 Sub W Section 236(g)(2)(i)(v)	
2.1.8	Other equipment leaks from components associated with storage wellheads (metric tons/year)							
2.2	Total Storage Compression Methane Emissions (metric tons/year)						Value reported using calculation in 40 CFR 98 Sub W Section 232(g)(2)(v)	
2.3	Total Storage Compression Methane Emissions (CO ₂ e/year)							
2.4	Total Storage Compression Methane Emissions (MMSCF/year)						Density of Methane = 0.0192 kg/R ³ per 40 CFR Sub W EQ. W-36	
3	Onshore Natural Gas Transmission Pipeline Blowdowns						Blowdown vent stacks for onshore transmission pipeline as defined in 40 CFR 98 Sub W Section 232 (m), CO ₂ and N ₂ O emissions are excluded from this section.	
3.1	Transmission Pipeline Blowdown Vent Stacks (metric tons/year)						Value reported using calculation in 40 CFR 98 Sub W Section 232(j)(3)(ii)	
3.2	Transmission Pipeline Blowdown Vent Stacks (CO ₂ e/year)							
3.3	Transmission Pipeline Blowdown Vent Stacks (MMSCF/year)							
4	Other Non-Sub W Emissions Data (OPTIONAL)						(OPTIONAL) If desired, report additional sources required by ONE Future include dehydrator vents, storage station venting transmission pipeline leaks, and storage tank methane.	
4.1	Total Methane Emissions from additional sources not recognized by 40 CFR 98 Subpart W (metric tons/year)							



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4.2	Total Methane Emissions from additional sources not recognized by 40 CFR 98 Subpart W (CO ₂ e/year)							
4.3	Total Methane Emissions from additional sources not recognized by 40 CFR 98 Subpart W (MScf/year)							
5	Summary and Metrics							
5.1	Total Transmission and Storage Methane Emissions (MMSCF/year)							
5.2	Annual Natural Gas Throughput from Gas Transmission and Storage Operations (MSCF/year)						EIA 176 throughput or other reference for other throughput selected	
5.2.1	Annual Methane Gas Throughput from Gas Transmission and Storage Operations (MMSCF/year)						Methane content in natural gas equals 95% based on 40 CFR 98 Sub W 233(u)(2)(vii)	
5.3	Methane Emissions Intensity Metric (Percent MMscf of Methane Emissions per MMscf of Methane Throughput)							
Natural Gas Gathering and Boosting (see Comments)								
1	METHANE EMISSIONS							
1.1	Gathering and Boosting Pipelines, Blow Down Volumes, and Emissions							
1.1.1	Total Miles of Gathering Pipeline Operated by gas utility (miles)							
1.1.2	Volume of Gathering Pipeline Blow Down Emissions (scf)						This metric is collected to support calculations under EPA 40 CFR 98, Subpart W.	
1.1.4	Gathering Pipeline Blow-Down Emissions outside storage and compression facilities (metric tons CO ₂ e)							
2	CO₂e COMBUSTION EMISSIONS FOR GATHERING & BOOSTING COMPRESSION							
2.1	CO ₂ e Emissions for Gathering & Boosting Compression Stations (metric tons)						CO ₂ combustion emissions reported to EPA under 40 CFR 98, Subpart C, as directed in Subpart W, 98.232(x).	
3	CONVENTIONAL COMBUSTION EMISSIONS FROM GATHERING & BOOSTING COMPRESSION							
3.1	Emissions reported for all permitted sources (minor or major)						The number of permitted sources for conventional emissions may not be the same number of sources reporting under the EPA GHG reporting rule. Companies may wish to describe which, or how many, sources are included in the conventional pollutants data and whether the CO ₂ e data reported includes all of these sources.	
3.1.1	NO _x (metric tons per year)							
3.1.2	VOC (metric tons per year)							
Human Resources								
1.1	Total Number of Employees	8,842	9,291	9,227				
1.2	Percentage of Women in Total Workforce	27%	26%	26%				
1.3	Percentage of Minorities in Total Workforce	14%	19%	20%				
2.1	Total Number on Board of Directors/Trustees	14	11	12				
2.2	Percentage of Women on Board of Directors/Trustees	14%	27%	25%				
2.3	Percentage of Minorities on Board of Directors/Trustees	14%	36%	33%				
3	Employee Safety Metrics							
3.1	Recordable Incident Rate	2.46*	1.50	2.00			*For Recordable Lost Time Incident Rate, the base year is 2015 as data for 2012 is not available.	
3.2	Lost-time Case Rate	0.72	0.40	0.70				
3.3	Days Away, Restricted, and Transfer (DART) Rate	1.85	1.30	1.20			*In our 2021 Sustainability Report our DART, Recordable Incident (TRIR) and Lost Time rates were changed to OSHA rates for all years. Previous to this we used to use "company" rates that excluded certain types of injuries.	
3.4	Work-related Fatalities	0.00	0.00	0.00				
Additional Metrics (Optional)								
	Emissions from Natural Gas Distribution Operations as reported in 2021 Sustainability Report	69,415	65,739					
	Incremental Annual Natural Gas Savings from EE Measures (therms)	9,559,606	14,835,197	10,371,675				
	Incremental Annual Investment in Natural Gas EE Programs (nominal dollars)	\$119,298,578	\$162,164,672	\$166,118,844				Includes EGMA in each year.