

Corporate Responsibility Oversight and ESG Governance

FirstEnergy is committed to providing our shareholders, customers and employees with comprehensive information on our strategies regarding environmental, social and governance (ESG) issues. Overall management of corporate responsibility, ESG-related issues and strategy rests with our President and Chief Executive Officer, Steven E. Strah. Our Board of Directors provides oversight and feedback on related initiatives through an engaged Corporate Governance and Corporate Responsibility Committee, comprising four independent directors that meet five times per year. In addition, employees throughout the company participate in executing our corporate responsibility strategy and play a key role in helping us to meet our ESG objectives.

We have a dedicated Corporate Responsibility team within our Strategy department with oversight by FirstEnergy's Senior Vice President of Strategy. This team works to fully embed corporate responsibility into our company culture, develop initiatives that support our mission statement, exceed our stakeholders' ESG expectations, and ensure we are sustainable into the future.

In addition, a cross-functional, executive-level steering committee reviews and guides governance decisions, including how we address the risks and opportunities associated with corporate responsibility and climate change. Members of this committee include senior leadership from the Community Involvement, Legal, Environmental, Human Resources, Investor Relations, Risk and Strategy departments.

Corporate Responsibility and ESG at FirstEnergy

Built on our mission statement, FirstEnergy's corporate responsibility strategy to inform, engage and achieve results is designed to promote transparency and accountability on ESG topics and ensure the relevancy and execution of corporate responsibility initiatives. Our forward-thinking strategy helps our company be sustainable and accountable to ourselves and our stakeholders; remain conscious of the impact we have on our internal and external stakeholders; and operate in ways that positively affect the environment and the communities where we live and work.

As a demonstration of our commitment to corporate responsibility and ESG issues, FirstEnergy conducted its first ESG materiality assessment in 2020, engaging internal and external stakeholders to identify, prioritize and validate our most material topics. Our process was guided by the foundational principles outlined in the Global Reporting Initiative (GRI) Framework as well as the Sustainability Accounting Standards Board (SASB).

The results of our assessment affirmed several topics that are integral to our business, such as safety and health, financial performance, energy reliability and resiliency, and cyber and physical security. Additionally, our materiality assessment validated topics that are central to FirstEnergy's ESG strategy and provide a strong foundation for continued forward-thinking initiatives: greenhouse gas (GHG) emissions and climate change, innovation, community vitality, and diversity and inclusion. These topics align with our company's mission and core values and we expect them to be material and influential to our company strategy into the foreseeable future.

In addition, the findings from our materiality assessment will help inform and drive our ESG strategy, priorities and initiatives. We'll also use the results to continue to educate and inform our stakeholders, enhance our reporting disclosures and evaluate opportunities for future goal setting.

As indicated by the materiality assessment, greenhouse gas emissions and climate change are material ESG topics for FirstEnergy. Our climate position and strategy, released in November 2020, reinforces our understanding that these are also important material ESG topics to our stakeholders. As our position states, we believe climate change is among the most important issues of our time, and we're committed to doing our part to ensure a bright and sustainable future for the communities we serve. Through the diligent execution of our climate strategy, we will work toward achieving carbon neutrality by 2050, which we view as a key step in meeting the climate challenge and building a sustainable energy future for the next generation. In addition, we have a responsibility to our stakeholders to proactively mitigate the company's climate change risks and capitalize on emerging opportunities in a carbon-neutral economy—all while meeting the changing needs of our diverse customer base.

Our climate strategy consists of the following key objectives:

- Protecting and enhancing our transmission system to enable a clean-energy and carbon-neutral future.
- Building a technologically advanced distribution platform that improves grid reliability and resiliency while also enabling our company and customers to support a carbon-neutral economy.
- Being innovative and forward thinking as we explore opportunities for continued increased efficiency of our regulated coal generation fleet, incorporation of renewable resources and implementation of emerging technologies that support our company's mission.

Several recently announced goals support our climate position and climate strategy:

- As we continue to evaluate opportunities for regulated renewable generating sources, we have set a goal to own at least 50 MW of solar generation in West Virginia by 2025.
- Beginning in 2021, we plan for 100% of new purchases for our light-duty and aerial truck fleet to be electric or hybrid vehicles, creating a path to 30% fleet electrification by 2030 and eliminating more than 10,000 annual metric tons of CO₂e by 2030.
- We pledge to achieve carbon neutrality by 2050, with an interim goal to reduce our companywide Scope 1 GHG emissions by 30% from our 2019 baseline by 2030. This will require significant business practice modifications to our distribution, transmission and generation operations, including a commitment to begin a thoughtful transition away from our two West Virginia coal generation facilities by 2050.

We encourage you to read more about our corporate responsibility and ESG initiatives, our Climate Report, climate story, Task Force on Climate-Related Financial Disclosures (TCFD) Report, strategic plan and more on our [Corporate Responsibility website](#).

This report contains forward-looking statements based on information available to the company. For more information, including our full forward-looking statement, please visit our [Shareholder Engagement page](#).



Electric Company ESG/Sustainability Quantitative Information

Parent Company: FirstEnergy Corp.
Operating Company(s): Ohio Edison, The Illuminating Company, Toledo Edison, Penn Power, West Penn Power, Penelec, Met-Ed, JCP&L, Mon Power and Potomac Edison
Business Type(s): Vertically integrated
State(s) of Operation: Maryland, New Jersey, New York, Ohio, Pennsylvania, West Virginia
State(s) with RPS Programs: Maryland, New Jersey, New York, Ohio, Pennsylvania
Regulatory Environment: Regulated
Report Date: 5/4/2021

Ref No.	Metric	2019	2020	2050	Additional Information
Portfolio					
1	Owned Nameplate Generation Capacity at end of year (MW)				Net demonstrated capacity as reported in FE's 10-K Filing 2020 data represents anticipated year-end nameplate capacity.
1.1	Coal	3,082	3,082		
1.2	Natural Gas	0	0		
1.3	Nuclear	0	0		
1.4	Petroleum	0	0		
1.5	Total Renewable Energy Resources				
1.5.1	Biomass/Biogas	0	0		
1.5.2	Geothermal	0	0		
1.5.3	Hydroelectric	697	697		
1.5.4	Solar	0	0		
1.5.5	Wind	0	0		
1.6	Other	0	0		

Ref No.	Metric	2019	2020	2050	Additional Information
Portfolio					
2	Net Generation for the data year (MWh)	65,266,343	61,496,572		
2.1	Coal				
2.2	Natural Gas				
2.3	Nuclear				
2.4	Petroleum				
2.5	Total Renewable Energy Resources				
2.5.1	Biomass/Biogas				
2.5.2	Geothermal				
2.5.3	Hydroelectric				
2.5.4	Solar				
2.5.5	Wind				
2.6	Other				
2.i	Owned Net Generation for the data year (MWh)				Net generation data as reported on EIA's Form 923, and FE's internal numbers
2.1.i	Coal	19,595,231	15,953,647		
2.2.i	Natural Gas	0	0		
2.3.i	Nuclear	0	0		
2.4.i	Petroleum	0	0		
2.5.i	Total Renewable Energy Resources				
2.5.1.i	Biomass/Biogas	0	0		
2.5.2.i	Geothermal	0	0		
2.5.3.i	Hydroelectric	-94,127	-91,795		
2.5.4.i	Solar	0	0		
2.5.5.i	Wind	0	0		
2.6.i	Other	0	0		

Ref No.	Metric	2019	2020	2050	Additional Information
Portfolio					
2.ii	Purchased Net Generation for the data year (MWh)	45,765,239	45,634,720		Total Purchased Generation as found in FE's FERC Form 1's. MWh purchased from an FE owned company were removed to avoid double counting of emissions. Regional eGRID emission factors used in the calculation.
2.1.ii	Coal				
2.2.ii	Natural Gas				
2.3.ii	Nuclear				
2.4.ii	Petroleum				
2.5.ii	Total Renewable Energy Resources				
2.5.1.ii	Biomass/Biogas				
2.5.2.ii	Geothermal				
2.5.3.ii	Hydroelectric				
2.5.4.ii	Solar				
2.5.5.ii	Wind				
2.6.ii	Other				
3	Investing in the Future: Capital Expenditures, Energy Efficiency (EE), and Smart Meters				
3.1	Total Annual Capital Expenditures (nominal dollars)	2,992,000,000	2,986,000,000		
3.2	Incremental Annual Electricity Savings from EE Measures (MWh)	1,327,666	1,013,955		
3.3	Incremental Annual Investment in Electric EE Programs (nominal dollars)	159,000,000	125,000,000		
3.4	Percent of Total Electric Customers with Smart Meters (at end of year)	34%	39%		
4	Retail Electric Customer Count (at end of year)				
4.1	Commercial	735,442	737,197		
4.2	Industrial	23,168	23,004		
4.3	Residential	5,373,113	5,407,958		

Ref No.	Metric	2019	2020	2050	Additional Information
Emissions					
5	GHG Emissions: Carbon Dioxide (CO ₂) and Carbon Dioxide Equivalent (CO ₂ e) <i>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.</i>				
5.1	Owned Generation (1) (2) (3)				
5.1.1	Carbon Dioxide (CO ₂)				
5.1.1.1	Total Owned Generation CO ₂ Emissions (MT)	17,839,367	14,441,433	0	
5.1.1.2	Total Owned Generation CO ₂ Emissions Intensity (MT/Net MWh)	0.915	0.910		
5.1.2	Carbon Dioxide Equivalent (CO ₂ e)				
5.1.2.1	Total Owned Generation CO ₂ e Emissions (MT)	17,935,528	14,519,279		
5.1.2.2	Total Owned Generation CO ₂ e Emissions Intensity (MT/Net MWh)	0.920	0.915		
5.2	Purchased Power (4)				
5.2.1	Carbon Dioxide (CO ₂)				
5.2.1.1	Total Purchased Generation CO ₂ Emissions (MT)				
5.2.1.2	Total Purchased Generation CO ₂ Emissions Intensity (MT/Net MWh)				
5.2.2	Carbon Dioxide Equivalent (CO ₂ e)				
5.2.2.1	Total Purchased Generation CO ₂ e Emissions (MT)	31,927,583	28,230,946		
5.2.2.2	Total Purchased Generation CO ₂ e Emissions Intensity (MT/Net MWh)	0.698	0.619		
5.3	Owned Generation + Purchased Power				
5.3.1	Carbon Dioxide (CO ₂)				
5.3.1.1	Total Owned + Purchased Generation CO ₂ Emissions (MT)				
5.3.1.2	Total Owned + Purchased Generation CO ₂ Emissions Intensity (MT/Net MWh)				
5.3.2	Carbon Dioxide Equivalent (CO ₂ e)				
5.3.2.1	Total Owned + Purchased Generation CO ₂ e Emissions (MT)	49,863,111	42,750,225		
5.3.2.2	Total Owned + Purchased Generation CO ₂ e Emissions Intensity (MT/Net MWh)	0.764	0.695		
5.4	Non-Generation CO ₂ e Emissions				
5.4.1	Fugitive CO ₂ e emissions of sulfur hexafluoride (MT) (5)	114,680.00	134,518.00		
5.4.2	Fugitive CO ₂ e emissions from natural gas distribution (MT) (6)				FirstEnergy does not have any natural gas distribution.

Ref No.	Metric	2019	2020	2050	Additional Information
6	Nitrogen Oxide (NOx), Sulfur Dioxide (SO ₂), Mercury (Hg)				
6.1	Generation basis for calculation (7)				
6.2	Nitrogen Oxide (NOx)				
6.2.1	Total NOx Emissions (MT)	13,660	9,676		
6.2.2	Total NOx Emissions Intensity (MT/Net MWh)	0.000700	0.000610		
6.3	Sulfur Dioxide (SO ₂)				
6.3.1	Total SO ₂ Emissions (MT)	13,959	11,335		
6.3.2	Total SO ₂ Emissions Intensity (MT/Net MWh)	0.000716	0.000715		
6.4	Mercury (Hg)				
6.4.1	Total Hg Emissions (kg)	41	34		
6.4.2	Total Hg Emissions Intensity (kg/Net MWh)	0.000002	0.000002		
Resources					
7	Human Resources				
7.1	Total Number of Employees	12,316	12,153		
7.2	Total Number on Board of Directors/Trustees	11	10		
7.3	Total Women on Board of Directors/Trustees	3	3		
7.4	Total Minorities on Board of Directors/Trustees	3	3		
7.5	Employee Safety Metrics				
7.5.1	Recordable Incident Rate	0.98	0.70		
7.5.2	Lost-time Case Rate	0.36	0.17		
7.5.3	Days Away, Restricted or Transferred (DART)	0.64	0.36		
7.5.4	Work-related Fatalities	0	0		
8	Fresh Water Resources				
8.1	Water Withdrawals - Consumptive (Billions of Liters/Net MWh)	0.0000009	0.0000098		
8.2	Water Withdrawals - Non-Consumptive (Billions of Liters/Net MWh)	0.0000010	0.0000952		
9	Waste Products				
9.1	Amount of Hazardous Waste Manifested for Disposal (Metric Tons)	24.67	14.00		
9.2	Percent of Coal Combustion Products Beneficially Used	22.84	21.38		