METRICS AND TARGETS

Disclose the metrics and targets used to assess and manage relevant climate-related risks and opportunities.

a) Disclose the metrics used by the organization to assess climate-related risks and opportunities in line with its strategy and risk management process.

b) Describe the targets used by the organization to manage climate-related risks and opportunities and performance against targets.

Sustainability Office leaders are charged with innovating and advocating for the acceleration of our zero crashes, zero emissions and zero congestion vision. This work is initially centered around five primary environmental areas of focus: sustainable materials, zero waste, carbon (Scope 1), energy (Scope 2) and water. To manage and measure progress over the next decade, the team is working to develop a comprehensive set of enterprise goals that is expected to be formalized over the next year. Already announced are goals that call for:

- Ensuring at least 50 percent sustainable material content in GM vehicles by 2030.
- Achieving a 31 percent reduction in absolute Scope 1 and 2 CO2 emissions based on science and aligned with the Paris Climate Agreement.
- Ensure 100 percent of targeted GM suppliers are reporting data to CDP Supply Chain by 2022.

In addition, the team has accelerated GM's previously announced goal to source 100 percent renewable electricity globally by 2050. The new goal calls for achieving 100 percent in the U.S. by 2030 and globally by 2040.

A key consideration in developing these enterprise-level goals has been to ensure cross-functional impact to product impact. This approach is more holistic than in the past when we have viewed operations and products separately. Now, all impacts of the business are managed and measured to support our zero emissions future.

2020 Operational Commitments

These goals, and those to be announced, build on the progress that has been made over the past decade through our 2020 Manufacturing Commitments. Introduced in 2010, these commitments focus on GM's extensive manufacturing footprint around the world and have served to significantly reduce the impact of our operations. Progress includes meeting our initial goal to increase renewable energy to 125 MW four years early and continuing to grow renewable energy capacity to greater than 424 MW as of the end of 2019. In the past nine years, we also have reduced energy intensity by 8 percent; water intensity by 14 percent and waste intensity by 28 percent — all against the 2010 baseline.

c) Disclose Scope 1, Scope 2 and, if appropriate, Scope 3 greenhouse gas (GHG) emissions and the related risks.

2019 Emissions Performance

2019 Emissions	Metric Tons CO2e[1]
Scope 1	1,589,700[2]
Scope 2	3,766,564[3]
Scope 3	249,384,317[4]

For a comprehensive summary of the environmental metrics related to GM's products and operations, please see our ESG Data Center. For emissions methodology, please see our CDP Climate Change response.

[1] *Reporting is based on GHG Protocol, and the source of emission factors is regulatory or IPCC.*
[2] *Calculation includes CO2, CH4 and N20.*
[3] *Gross location-based indirect emissions.*
[4] *Calculation includes CO2, CH4, N20, HFCs, PFCs, SF6 and NF3.*