

Several third-party organizations provide free resources to support companies in identifying opportunities to improve environmental sustainability performance. The resources listed below were identified by members of SP's Impact Steering Committee as useful educational information for automotive suppliers to consider.

| Organization | Resource                                                     | Key Topic(s)                                                                                                                                                                                                                                                                                                                                         | Link                                                                                                                            |
|--------------|--------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|
| DOE          | The Green Supplier Network (GSN) - U.S. Department of Energy | Provides tools, training, and resources to help suppliers in the automotive industry improve energy efficiency and sustainability practices.                                                                                                                                                                                                         | <a href="https://www.epa.gov/e3/about-e3s-green-suppliers-network">https://www.epa.gov/e3/about-e3s-green-suppliers-network</a> |
| DOE          | Better Plants                                                | Manufacturers participating in the program pledge to reduce energy intensity throughout all their U.S. manufacturing operations by 25% over ten years and report on their progress to the U.S. Department of Energy (DOE). In exchange, DOE helps manufacturers meet their targets through technical support, recognition, and additional resources. | <a href="https://www.energy.gov/eere/iedo/better-plants">https://www.energy.gov/eere/iedo/better-plants</a>                     |
| EPA          | Waste Reduction Model (WARM) by EPA                          | A tool by the U.S. Environmental Protection Agency that helps manufacturers quantify the environmental benefits of recycling and waste reduction activities, specific to automotive manufacturing.                                                                                                                                                   | <a href="https://www.epa.gov/warm">https://www.epa.gov/warm</a>                                                                 |
| EPA          | EPA's Greenhouse Gas Emissions Inventory (for Manufacturers) | A public database that tracks greenhouse gas emissions, helping automotive suppliers monitor their emissions and align with sustainability goals.                                                                                                                                                                                                    | <a href="https://www.epa.gov/ghg-emissions">https://www.epa.gov/ghg-emissions</a>                                               |
| EPA          | Environmental Protection Agency (EPA) Green Supplier Network | Provides resources and tools to help automotive suppliers improve their environmental footprint through energy savings, waste reduction, and resource efficiency.                                                                                                                                                                                    | <a href="https://www.energystar.gov/">https://www.energystar.gov/</a>                                                           |

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| <b>EPA</b> | The Automotive Environmental Performance (AEP) Guidelines (EPA) | These guidelines help suppliers understand environmental performance metrics, assess product impacts, and set reduction targets for things like emissions and waste.                                                                                                    | <a href="https://www.epa.gov/">https://www.epa.gov/</a>                                                                                                                                                                                  |
| <b>EPA</b> | Energy Star for Industry (U.S. EPA)                             | The Energy Star program provides tools, resources, and certification opportunities to help automotive manufacturers improve energy efficiency in their operations.                                                                                                      | <a href="https://www.energystar.gov/buildings">https://www.energystar.gov/buildings</a><br><a href="https://www.energystar.gov/buildings/training/recorded-webinars">https://www.energystar.gov/buildings/training/recorded-webinars</a> |
| <b>EPA</b> | Emissions Calculator                                            | Convert emissions or energy data into concrete terms you can understand — such as the annual CO2 emissions of cars, households, and power plants.                                                                                                                       | <a href="https://www.epa.gov/energy/greenhouse-gas-equivalencies-calculator">https://www.epa.gov/energy/greenhouse-gas-equivalencies-calculator</a>                                                                                      |
| <b>EPA</b> | Greenhouse Gas Education Resource                               | Resource to learn about greenhouse gas terminology and methodology                                                                                                                                                                                                      | <a href="https://www.epa.gov/ghg/emissions">https://www.epa.gov/ghg/emissions</a>                                                                                                                                                        |
| <b>ISO</b> | ISO 14001 - Environmental Management Systems (EMS)              | A widely recognized standard for implementing environmental management systems (EMS) in any manufacturing sector, including automotive. It guides suppliers on how to improve environmental performance through more efficient use of resources and reduction of waste. | <a href="https://www.iso.org/standard/60857.html">https://www.iso.org/standard/60857.html</a>                                                                                                                                            |
| <b>ISO</b> | ISO 50001 - Energy Management Systems                           | This standard provides guidelines for implementing an energy management system, helping manufacturers reduce energy consumption and carbon footprints.                                                                                                                  | <a href="https://www.iso.org/iso-50001-energy-management.html">https://www.iso.org/iso-50001-energy-management.html</a>                                                                                                                  |

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| <b>ISO</b>                                                     | ISO 14040 and 14044 - Life Cycle Assessment (LCA)                                                            | These ISO standards provide a framework for conducting life cycle assessments, which help automotive suppliers evaluate the environmental impact of their manufacturing processes and products.                                                                                                                                                                                                                          | <a href="https://www.iso.org/standard/37456.html">https://www.iso.org/standard/37456.html</a> |
| <b>ISO</b>                                                     | ISO 14060 - Net Zero Guidelines                                                                              | A tool for policy makers and all who work towards net zero greenhouse gas emissions for their business, group or country                                                                                                                                                                                                                                                                                                 | <a href="https://www.iso.org/netzero">https://www.iso.org/netzero</a>                         |
| <b>ISO</b>                                                     | ISO 14083 - Quantification and reporting of greenhouse gas emissions arising from transport chain operations | This document establishes a common methodology for the quantification and reporting of greenhouse gas (GHG) emissions arising from the operation of transport chains of passengers and freight.                                                                                                                                                                                                                          | <a href="https://www.iso.org/standard/78864.html">https://www.iso.org/standard/78864.html</a> |
| <b>(National Institute of Standards and Technology - NIST)</b> | Green Manufacturing                                                                                          | Resources for sustainability measurements and definitions                                                                                                                                                                                                                                                                                                                                                                | <a href="https://www.nist.gov/">https://www.nist.gov/</a>                                     |
| <b>Open LCA</b>                                                | Life Cycle Assessment Software                                                                               | openLCA is completely free, without any license costs. The software is fully transparent. You can freely share both the software and any models you create in openLCA, provided the database licenses allow it. If you want you can even inspect the code for any potential issues including security issues and any malicious behavior. This makes open source software also suited for work in highly sensitive areas. | <a href="https://www.openlca.org/">https://www.openlca.org/</a>                               |
| <b>SAE</b>                                                     | The Green Vehicle Manufacturer's Best Practices (SAE International)                                          | SAE provides case studies and best practices for automotive manufacturers to adopt greener technologies and methods in their operations.                                                                                                                                                                                                                                                                                 | <a href="https://www.sae.org/">https://www.sae.org/</a>                                       |

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| <b>WBCSD</b>                                   | Supply Chain Sustainability Guidelines (WBCSD - World Business Council for Sustainable Development) | A set of guidelines for automotive suppliers to improve the sustainability of their supply chain, including reducing emissions, sourcing sustainable materials, and improving logistics.                                                                                                                                                | <a href="https://www.wbcsd.org/">https://www.wbcsd.org/</a>                                                                                                                                                                             |
| <b>ZWTF</b>                                    | Zero Waste to Landfill (ZWTF) Initiative                                                            | A framework for automotive manufacturers aiming to reduce or eliminate waste from manufacturing processes, by reusing, recycling, or diverting waste away from landfills. Offers many short courses on their learning hub.                                                                                                              | <a href="https://www.sustainablepurchasing.org/learning-hub">https://www.sustainablepurchasing.org/learning-hub</a>                                                                                                                     |
| <b>GHG Protocol</b>                            | Scope 3 Evaluator Tool                                                                              | A tool developed by the GHG Protocol to help companies quantify Scope 3 emissions. Provides practical training for teams on how to use the Scope 3 Evaluator to estimate upstream and downstream emissions in the value chain.                                                                                                          | <a href="https://ghgprotocol.org/scope-3-evaluator">https://ghgprotocol.org/scope-3-evaluator</a>                                                                                                                                       |
| <b>Science Based Targets initiative (SBTi)</b> | Guidance for Automotive                                                                             | SBTi provides sector-specific guidance for setting GHG reduction targets in line with climate science.                                                                                                                                                                                                                                  | <a href="https://sciencebasedtargets.org/news/the-sbti-enables-automakers-to-align-emissions-from-vehicles-with-1-5-c">https://sciencebasedtargets.org/news/the-sbti-enables-automakers-to-align-emissions-from-vehicles-with-1-5-c</a> |
| <b>UN Global Compact (UNGC)</b>                | UNGC Academy                                                                                        | The learning and education platform of the UNGC, providing on-demand and live educational content to help business professionals advance corporate sustainability and responsible business practices aligned with the Ten Principles of the UN Global Compact and the UN Sustainable Development Goals (SDGs). For members of the UNGC. | <a href="https://academy.unglobalcompact.org/">https://academy.unglobalcompact.org/</a>                                                                                                                                                 |

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