

# 2020 SASB INDEX

Sector: Resource Transformation

Industry: Industrial Machinery & Goods



JOHN DEERE

Topic	Metric	Category	Unit of Measure	Code	John Deere Response
Energy Management <sup>1,2</sup>	Total Energy Consumed	Quantitative	Gigajoules (GJ)	RT-IG-130a.1	11,125,000 GJ
	Percentage Grid Electricity	Quantitative	% of Total Energy	RT-IG-130a.1	42%
	Percentage Renewable Energy	Quantitative	% of Total Energy	RT-IG-130a.1	13%
Employee Health & Safety <sup>2</sup>	Total Recordable Incident Rate (TRIR)	Quantitative	Rate per 100 Employees	RT-IG-320a.1	1.32
	Fatality Rate	Quantitative	Rate per 100 Employees	RT-IG-320a.1	0.001
	Near Miss Frequency Rate (NMFR)	Quantitative	Rate per 100 Employees	RT-IG-320a.1	15.03
Fuel Economy & Emissions In Use-Phase <sup>3</sup>	Sales-weighted fleet fuel efficiency for medium- and heavy-duty vehicles	Quantitative	Gallons per 1,000 ton-miles	RT-IG-410a.1	Not applicable to John Deere
	Sales-weighted fuel efficiency for non-road equipment	Quantitative	Gallons per hour	RT-IG-410a.2	14.8 Gal/Hr <sup>4</sup>
	Sales-weighted fuel efficiency for stationary generators	Quantitative	Watts per gallon	RT-IG-410a.3	Not applicable to John Deere
	Sales-weighted emissions of: (1) nitrogen oxides (NO <sub>x</sub> ), and (2) particulate matter (PM) for: (a) marine diesel engines, (b) locomotive diesel engines, (c) on-road medium- and heavy-duty engines, and (d) other non-road diesel engines.	Quantitative	Grams per kilowatt-hour	RT-IG-410a.4	(1) 0.04 grams/kWh NO <sub>x</sub> (2) 0.0008 grams/kWh Particulate Matter <sup>5</sup>
Remanufacturing Design & Services <sup>6</sup>	Revenue from remanufactured products and remanufacturing services	Quantitative	Reporting currency	RT-IG-440b.1	\$337.4 M
Materials Sourcing	Description of the management of risks associated with the use of critical materials	Discussion and Analysis	N/A	RT-IG-440a.1	
<p><b>JOHN DEERE RESPONSE</b></p> <p>At John Deere, we manufacture heavy-duty machines, engines, and electronics that enable our customers to produce more with less. To create these technology-enabled machines, we work with suppliers around the globe to source raw materials, components, and parts that are incorporated into our manufacturing processes. Due to the nature of our business, certain raw materials, parts, and components of John Deere products, and certain manufacturing processes, incorporate critical materials. Batteries, electronic components, magnets, seals, and coatings for certain parts and components are among the various applications that incorporate critical materials. These materials may include cobalt, tantalum, tungsten, graphite, platinum group metals (platinum and palladium), and rare earth metals. We have policies and processes in place to manage risks related to the supply of these materials, including risks related to availability and access, price volatility, human rights practices throughout the supply chain, and geopolitical uncertainty. These key processes and policies include:</p> <ul style="list-style-type: none"> <li>• Multi-supplier sourcing strategies utilized where available to mitigate risk of availability and access related to a single supplier.</li> <li>• Multi-location sourcing strategies utilized to mitigate risk of geopolitical uncertainty.</li> <li>• Part and component specifications designed across product lines based on required performance, rather than material, such that alternative materials can be used to mitigate risk related to availability and access.</li> <li>• Long-term agreements negotiated with key suppliers to mitigate the risk of price volatility.</li> <li>• Industry programs leveraged for recycling and reuse of precious rare earth metals.</li> <li>• Education of suppliers on John Deere expectations with respect to the integrity of its supply chain, including requiring adherence to the John Deere Supplier Code of Conduct.</li> <li>• Adherence to the John Deere Global Conflict Minerals Policy to help ensure responsible sourcing of conflict minerals in our supply chain.</li> <li>• Supplier sustainability risk assessments through EcoVadis, which includes consideration of human rights practices and supply chain integrity.</li> <li>• Robust supplier audit program with appropriate follow-on due diligence processes, which involves three critical components: (1) quality and compliance audits on all new suppliers; (2) follow-up audits for existing suppliers based on known issues, new manufacturing or sourcing locations, or other identified issues; and (3) an annual Conflict Minerals review for over 70% of our total purchased volume.</li> </ul> <p>Please see pages 74-77 of the John Deere 2020 Sustainability Report for additional background on how we manage our supply chain and critical materials. Additional information is also available in Deere &amp; Company's most recent conflict minerals report filed on Form SD.</p>					

<sup>1</sup> Apex Companies, LLC has verified greenhouse gas (GHG) emissions data in accordance with the ISO 14064-3: Greenhouse gases – Part 3: Specification with guidance for the validation and verification of greenhouse gas statements assurance standard and the SASB Standards.  
<sup>2</sup> Data associated with the operation of Unimil, PLA Holding Netherlands B.V. and King Agro Europa, S.L., and their related subsidiaries, and the Wirtgen Group entities are not included in the reported 2019 and 2020 metrics.  
<sup>3</sup> In addition, data associated with the operation of Unimil, Mazzotti S.r.l. and Blue River Technology, Inc. are not included in the reported 2019 and 2020 employee health and safety metrics.  
<sup>4</sup> For a discussion of John Deere's approach to fuel economy and emissions, please see the Deere & Company 2020 Annual Report on Form 10-K, page 9.  
<sup>5</sup> The above reflects model-rated and sales-weighted fuel efficiency for John Deere 8 Series Tractors sold in North America during fiscal year 2019 (Model Year 2019).  
<sup>6</sup> The above reflects model-rated and sales-weighted emissions for John Deere 8 Series Tractors sold in North America during fiscal year 2019 (Model Year 2019).  
<sup>7</sup> Please see page 42 of the John Deere 2020 Sustainability Report for further discussion of our remanufacturing initiatives.

Activity Metric	Category	Unit of Measure	Code	John Deere Response
Number of units produced by product category	Quantitative	Number	RT-IG-000.A	Proprietary
Number of employees	Quantitative	Number	RT-IG-000.B	69,600 Employees