

TimkenSteel’s 2022 Sustainability Accounting Standards Board (SASB) disclosure is comprised of SASB’s Iron & Steel Producers industry standard, which discloses performance on topics and metrics specific to our industry and of interest to our investors and other stakeholders. Our 2022 Sustainability Report provides additional context with respect to our approach to priority issues outlined in this disclosure.

## SUSTAINABILITY ACCOUNTING STANDARDS BOARD (SASB) DISCLOSURE TIMKENSTEEL CORPORATION<sup>1,2</sup>

TOPIC	ACCOUNTING METRIC	TIMKENSTEEL DISCLOSURE				CODE																																													
Greenhouse Gas (GHG) Emissions	Gross global Scope 1 emissions, percentage covered under emissions-limiting regulations	<table border="1"> <thead> <tr> <th></th> <th>2019</th> <th>2020</th> <th>2021</th> <th>2022</th> </tr> </thead> <tbody> <tr> <td><i>Gross global Scope 1 emissions (Metric tons (t) CO<sub>2</sub>-e)</i></td> <td>307,085</td> <td>203,448</td> <td>251,408</td> <td>283,309</td> </tr> <tr> <td><i>Percentage covered under emissions-limiting regulations</i></td> <td>0%</td> <td>0%</td> <td>0%</td> <td>0%</td> </tr> </tbody> </table>					2019	2020	2021	2022	<i>Gross global Scope 1 emissions (Metric tons (t) CO<sub>2</sub>-e)</i>	307,085	203,448	251,408	283,309	<i>Percentage covered under emissions-limiting regulations</i>	0%	0%	0%	0%	EM-IS-110a.1																														
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<p>Our U.S. Canton, Ohio, steel manufacturing facilities constitute the reporting boundary for which climate-related impacts are evaluated. The three facilities consist of one electric arc furnace (EAF) steel melting facility and two facilities focused on steel tube and bar processing.</p> <p>Other TimkenSteel facilities are excluded from this disclosure since they do not have any regulated sources which can be accounted for by this methodology and, in our estimate, any values generated by these sites would be insignificant compared to our Canton sites.</p>																																																			
Greenhouse Gas (GHG) Emissions	Discussion of long-term and short-term strategy or plan to manage Scope 1 emissions, emissions reduction targets, and an analysis of performance against those targets	<p>TimkenSteel has been actively engaged in managing Scope 1 greenhouse (GHG) emissions, which we have been tracking since October 2009 consistent with the U.S. Environmental Protection Agency (EPA) mandatory GHG reporting rule. With our increased focus on Sustainability/ESG, climate-related issues will be monitored at all management levels up to and including Board-level oversight.</p> <p>Each of our facilities has been certified to <a href="#">ISO 14001</a> since 2003, which provides an opportunity to <b>identify, assess, and respond to climate-related risks and opportunities</b>.</p> <p>TimkenSteel is focusing its short-term strategy for managing Scope 1 GHG emissions on "end-use" energy conservation projects (e.g., more efficient combustion in steel manufacturing) and long-term strategies on energy supply projects (e.g., renewable fuels). We are not currently evaluating any projects relating to carbon capture or sequestration.</p> <p>TimkenSteel established quantitative emissions reductions targets in 2021. By 2030, TimkenSteel intends to reduce combined Scopes 1 and 2 emissions of CO<sub>2</sub>e 40% compared to a base year of 2018 and is on track to meet or exceed the goal.</p>				EM-IS-110a.2																																													
Air Emissions	Air emissions of the following pollutants: (1) CO, (2) NO <sub>x</sub> (excluding N <sub>2</sub> O), (3) SO <sub>x</sub> , (4) particulate matter (PM <sub>10</sub> ), (5) manganese (MnO), (6) lead (Pb), (7) volatile organic compounds (VOCs), and (8) polycyclic aromatic hydrocarbons (PAHs)	<table border="1"> <thead> <tr> <th><i>Metric tons (t)</i></th> <th>2019</th> <th>2020</th> <th>2021</th> <th>2022</th> </tr> </thead> <tbody> <tr> <td><i>CO</i></td> <td>888</td> <td>664</td> <td>881</td> <td>803</td> </tr> <tr> <td><i>NO<sub>x</sub> (excluding N<sub>2</sub>O)</i></td> <td>286</td> <td>234</td> <td>398</td> <td>312</td> </tr> <tr> <td><i>SO<sub>x</sub></i></td> <td>165</td> <td>115</td> <td>107</td> <td>184</td> </tr> <tr> <td><i>Particulate matter (PM<sub>10</sub>)</i></td> <td>32</td> <td>32</td> <td>34</td> <td>42</td> </tr> <tr> <td><i>Manganese (MnO)</i></td> <td>.0012</td> <td>.0005</td> <td>.0008</td> <td>.0006</td> </tr> <tr> <td><i>Lead (Pb)</i></td> <td>.0240</td> <td>.018</td> <td>.017</td> <td>.086</td> </tr> <tr> <td><i>Volatile organic compounds (VOCs)</i></td> <td>44</td> <td>33</td> <td>39</td> <td>53</td> </tr> <tr> <td><i>Polycyclic aromatic hydrocarbons (PAHs)</i></td> <td>.0002</td> <td>.0002</td> <td>.0002</td> <td>.0002</td> </tr> </tbody> </table> <p>Emissions obtained from Ohio EPA fee emission reports for all pollutants except MnO and PAH. MnO and PAH emissions obtained from supporting documents used to prepare the fee emission reports.</p>				<i>Metric tons (t)</i>	2019	2020	2021	2022	<i>CO</i>	888	664	881	803	<i>NO<sub>x</sub> (excluding N<sub>2</sub>O)</i>	286	234	398	312	<i>SO<sub>x</sub></i>	165	115	107	184	<i>Particulate matter (PM<sub>10</sub>)</i>	32	32	34	42	<i>Manganese (MnO)</i>	.0012	.0005	.0008	.0006	<i>Lead (Pb)</i>	.0240	.018	.017	.086	<i>Volatile organic compounds (VOCs)</i>	44	33	39	53	<i>Polycyclic aromatic hydrocarbons (PAHs)</i>	.0002	.0002	.0002	.0002	EM-IS-110a.1
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## SUSTAINABILITY ACCOUNTING STANDARDS BOARD (SASB) DISCLOSURE TIMKENSTEEL CORPORATION<sup>1,2</sup>

TOPIC	ACCOUNTING METRIC	TIMKENSTEEL DISCLOSURE				CODE		
Energy Management	(1) Total energy consumed, (2) percentage grid electricity, (3) percentage renewable		<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	EM-IS-130a.1	
		<i>Total energy consumed (GJ)*</i>	7,564,176	5,563,317	6,985,043	6,320,335		
		<i>Percentage grid electricity</i>	40.9%	40.3%	39.3%	36.4%		
		<i>Percentage renewable</i>	5%	5%	5%	5%		
		<p>*Electricity + natural gas + oxygen</p> <p>Per SASB Industry Standard (October 2018) for Iron &amp; Steel Producers, “the scope of energy consumption includes energy from all sources, including energy purchased from sources external to the entity and energy produced by the entity itself (self-generated). For example, direct fuel usage, purchased electricity, and heating, cooling, and steam energy are all included within the scope of energy consumption”.</p> <p>TimkenSteel established quantitative targets in 2021. By 2030, TimkenSteel intends to reduce consumption 30% compared to a base year of 2018 and is on track to meet or exceed the goal.</p>						
Energy Management	(1) Total fuel consumed, (2) percentage coal, (3) percentage natural gas, (4) percentage renewable		<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	EM-IS-130a.2	
		<i>Total fuel consumed (GJ)*</i>	4,489,985	3,333,531	4,243,362	4,022,167		
		<i>Percentage coal</i>	0%	0%	0%	0%		
		<i>Percentage natural gas</i>	99.95%	99.95%	99.95%	99.95%		
		<p><i>Percentage renewable</i></p> <p>0%</p>				0%	0%	0%
		<p>*Natural gas + oxygen</p>						
Water Management	(1) Total fresh water withdrawn, (2) percentage recycled, (3) percentage in regions with High or Extremely High Baseline Water Stress		<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	EM-IS-140a.1	
		<i>Total fresh water withdrawn (1000m<sup>3</sup>)<sup>3</sup></i>	5,944	5,530	4,573	3,544		
		<i>Percentage recycled*</i>	477%	446%	514%	558%		
		<i>Percentage in regions with High or Extremely High Baseline Water Stress**</i>	0%	0%	0%	0%		
		<p>Per SASB Industry Standard (October 2018) for Iron &amp; Steel Producers, the percentage of water recycled is calculated as the volume, in thousands of cubic meters, recycled divided by the volume of water withdrawn. Any volume of water reused multiple times shall be counted as recycled each time it is recycled and reused.</p> <p>*Greater than 99% of water withdrawn serves the Canton, Ohio facilities. Our Water Treatment Plant (WTP) processes and recycles approximately 5 times more water than the amount withdrawn.</p> <p>**All TimkenSteel facilities and water activity are in regions of Low Baseline Water Stress.</p> <p>TimkenSteel established quantitative targets in 2021. By 2030, TimkenSteel intends to reduce consumption 35% compared to a base year of 2018 and is on track to meet or exceed the goal.</p>						
Waste Management	Amount of waste generated, percentage hazardous, percentage recycled		<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	EM-IS-150a.1	
		<i>Amount of waste generated (metric tons)<sup>4</sup></i>	18,746	12,704	16,496	13,154		
		<i>Percentage hazardous</i>	71.8%	76.0%	79.4%	73.5%		
		<p><i>Percentage recycled*</i></p> <p>79.6%</p>				81.7%	83.3%	81.5%

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		<p>* We are in the process of developing quantifiable metrics and targets for our existing internal recycling programs. Approximately 90% of outbound recycled material is dust collected from our electric arc furnace (EAF).</p> <p>TimkenSteel established quantitative targets in 2021. By 2030, TimkenSteel intends to reduce waste-to-landfill intensity 10% compared to a base year of 2018 and is on track to meet or exceed the goal.</p>																										
Workforce Health & Safety	(1) Total recordable incident rate (TRIR), (2) fatality rate, and (3) near miss frequency rate (NMFR) for (a) full-time employees and (b) contract employees	<table border="1"> <thead> <tr> <th></th> <th>2019</th> <th>2020</th> <th>2021</th> <th>2022</th> </tr> </thead> <tbody> <tr> <td>Total recordable incident rate (TRIR)</td> <td>2.66</td> <td>1.70</td> <td>1.85</td> <td>2.28</td> </tr> <tr> <td>Fatality rate</td> <td>0</td> <td>0</td> <td>0.19</td> <td>0.06</td> </tr> <tr> <td>Near miss frequency rate (NMFR) for full-time employees</td> <td>n/a</td> <td>4.80</td> <td>7.31</td> <td>17.48</td> </tr> <tr> <td>Near miss frequency rate (NMFR) for contractors</td> <td>n/a</td> <td>n/a</td> <td>n/a</td> <td>n/a</td> </tr> </tbody> </table> <p>Safety data includes all U.S. TimkenSteel facilities. Rates are based on 200,000 hours worked and include injuries and hours of contract employees directly supervised by TimkenSteel, consistent with U.S. Occupational Health and Safety Administration (OSHA) regulations. TimkenSteel does not currently have a system in place to capture hours worked by all contractors, therefore we are unable to calculate a Near miss frequency rate (NMFR) for contractors. TimkenSteel maintains a safety-oriented culture, targeting zero incidents.</p>		2019	2020	2021	2022	Total recordable incident rate (TRIR)	2.66	1.70	1.85	2.28	Fatality rate	0	0	0.19	0.06	Near miss frequency rate (NMFR) for full-time employees	n/a	4.80	7.31	17.48	Near miss frequency rate (NMFR) for contractors	n/a	n/a	n/a	n/a	EM-IS-320a.1
	2019	2020	2021	2022																								
Total recordable incident rate (TRIR)	2.66	1.70	1.85	2.28																								
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Supply Chain Management	Discussion of the process for managing iron ore and/or coking coal sourcing risks arising from environmental and social issues	TimkenSteel is a 100% electric arc furnace (EAF) manufacturer of specialty bar quality (SBQ) steel products. As such, we are not dependent on upstream sources of iron ore or coking coal. Our steelmaking process utilizes 100% recycled scrap metals, along with virgin alloys, as required for meeting customer product specifications.	EM-IS-430a.1																									

ACTIVITY METRIC	TIMKENSTEEL DISCLOSURE	CODE																									
Raw steel production, percentage from: (1) basic oxygen furnace processes, (2) electric arc furnace processes	<table border="1"> <thead> <tr> <th></th> <th>2019</th> <th>2020</th> <th>2021</th> <th>2022</th> </tr> </thead> <tbody> <tr> <td>Raw steel production: basic oxygen furnace processes (metric tons)</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> </tr> <tr> <td>Raw steel production: electric arc furnace processes (metric tons)</td> <td>964,353</td> <td>648,173</td> <td>923,707</td> <td>706,600</td> </tr> <tr> <td>Raw steel production: basic oxygen furnace processes (%)</td> <td>0%</td> <td>0%</td> <td>0%</td> <td>0%</td> </tr> <tr> <td>Raw steel production: electric arc furnace processes (%)</td> <td>100%</td> <td>100%</td> <td>100%</td> <td>100%</td> </tr> </tbody> </table>		2019	2020	2021	2022	Raw steel production: basic oxygen furnace processes (metric tons)	0	0	0	0	Raw steel production: electric arc furnace processes (metric tons)	964,353	648,173	923,707	706,600	Raw steel production: basic oxygen furnace processes (%)	0%	0%	0%	0%	Raw steel production: electric arc furnace processes (%)	100%	100%	100%	100%	EM-IS-000.A
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ACTIVITY METRIC		TIMKENSTEEL DISCLOSURE				CODE
Total coking coal production		2019	2020	2021	2022	EM-IS-000.C
	<i>Total coking coal production (metric tons)</i>	0	0	0	0	

<sup>1</sup>The SASB Foundation was founded in 2011 to “establish and maintain industry-specific standards that assist companies in disclosing financially material, decision-useful sustainability information to investors” (SASB Guidance for Iron and Steel Producers. October 2018). Use of SASB standards is voluntary.

<sup>2</sup>The SASB recognizes that there may be uncertainty when measuring or reporting certain sustainability information. This uncertainty may be related to variables such as a reliance on data from third-party reporting systems or emerging technologies for the collection and management of environmental and other data. Where uncertainty around data reporting exists, the entity should discuss its nature and likelihood (SASB Standards Application Guidance. Version 2018-10).

<sup>3</sup>Includes water from wells and public utilities at all plants. Some usage is directly measured (using flow meters) and some is derived from pump curves.

<sup>4</sup>Per SASB Industry Standard (October 2018) for Iron & Steel Producers, waste is defined as “anything for which the entity has no further use and which is discarded or is released to the environment”. Based on this definition, TimkenSteel waste includes waste to landfill, recycled waste, and EAF baghouse dust. Materials including clean hard fill and materials sold to customers or brokers (e.g., slag, mill scale) are not considered to be used in a manner constituting disposal and, therefore, are not included in the amount of waste generated.