

## 2019 SASB Index

Topic	Accounting Metric	Code	Steel Dynamics Disclosure																												
GHG Emissions	Gross global Scope 1 emissions, percentage covered under emissions-limiting regulations	EM-IS-110a.1	<p>The boundary for this disclosure is our six electric arc furnace (EAF) steel mills, where the majority of our emissions occur.</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th></th> <th style="text-align: center;">2017</th> <th style="text-align: center;">2018</th> <th style="text-align: center;">2019</th> </tr> </thead> <tbody> <tr> <td>Gross global Scope 1 emissions (metric tons CO<sub>2</sub>e)</td> <td style="text-align: center;">1,700,245</td> <td style="text-align: center;">1,863,045</td> <td style="text-align: center;">1,744,669</td> </tr> <tr> <td>Percentage covered under emissions-limiting regulations</td> <td style="text-align: center;">0%</td> <td style="text-align: center;">0%</td> <td style="text-align: center;">0%</td> </tr> </tbody> </table>		2017	2018	2019	Gross global Scope 1 emissions (metric tons CO <sub>2</sub> e)	1,700,245	1,863,045	1,744,669	Percentage covered under emissions-limiting regulations	0%	0%	0%																
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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	EM-IS-110a.2	<p>Our carbon mitigation strategy is integral to our overarching sustainability program to address climate-related considerations. Our Board of Directors provides oversight concerning the company’s sustainability strategy, disclosures, and climate-related impact. Our senior leadership, including our Chief Executive Officer, Chief Financial Officer, and operating platform executives establish our near and long-term strategies related to our climate-related assessments, goals, and programs.</p> <p>We have environmental professionals at each of our major steelmaking locations that are responsible for regulatory compliance and opportunities for climate-related impact initiatives. All significant capital investment decisions are reviewed by our environmental professionals for input and approval. These individuals share current developments, environmental trends, best practices, and discuss opportunities for continuous improvement. In 2020, we further supported this effort with the creation of a Core Environmental Group (CEG). This team, in combination with our senior leadership, is tasked with guiding our companywide GHG emissions mitigation efforts and allocation of resources to these efforts, among other responsibilities.</p> <p>We do not currently have specific emissions reduction targets. However, during 2021 we plan to adopt quantitative, companywide goals for GHG reduction, renewable energy use, and greater energy efficiency.</p>																												
Air Quality	Air emissions of the following pollutants: (1) CO, (2) NOx (excluding N <sub>2</sub> O), (3) SOx, (4) particulate matter (PM <sub>10</sub> ), (5) manganese (MnO), (6) lead (Pb), (7) volatile organic compounds (VOCs), and (8) polycyclic aromatic hydrocarbons (PAHs)	EM-IS-120a.1	<p>The boundary for this disclosure is our six electric arc furnace (EAF) steel mills, where the majority of our emissions occur. Data below is in metric tons:</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th></th> <th style="text-align: center;">2017</th> <th style="text-align: center;">2018</th> <th style="text-align: center;">2019</th> </tr> </thead> <tbody> <tr> <td>CO</td> <td style="text-align: center;">6,597</td> <td style="text-align: center;">5,692</td> <td style="text-align: center;">5,257</td> </tr> <tr> <td>NOx (excluding N<sub>2</sub>O)</td> <td style="text-align: center;">1,634</td> <td style="text-align: center;">1,681</td> <td style="text-align: center;">1,284</td> </tr> <tr> <td>SOx</td> <td style="text-align: center;">948</td> <td style="text-align: center;">987</td> <td style="text-align: center;">744</td> </tr> <tr> <td>Particulate matter (PM<sub>10</sub>)</td> <td style="text-align: center;">468</td> <td style="text-align: center;">410</td> <td style="text-align: center;">388</td> </tr> <tr> <td>Manganese (MnO)</td> <td style="text-align: center;">11</td> <td style="text-align: center;">12</td> <td style="text-align: center;">11</td> </tr> <tr> <td>Lead (Pb)</td> <td style="text-align: center;">1</td> <td style="text-align: center;">1</td> <td style="text-align: center;">1</td> </tr> </tbody> </table>		2017	2018	2019	CO	6,597	5,692	5,257	NOx (excluding N <sub>2</sub> O)	1,634	1,681	1,284	SOx	948	987	744	Particulate matter (PM <sub>10</sub> )	468	410	388	Manganese (MnO)	11	12	11	Lead (Pb)	1	1	1
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CO	6,597	5,692	5,257																												
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Energy Management	(1) Total energy consumed, (2) percentage grid electricity, (3) percentage renewable	EM-IS-130a.1	<p>The boundary for this disclosure is our six EAF steel mills. These operations represent the majority of our energy use.</p> <table border="1"> <thead> <tr> <th></th> <th>2017</th> <th>2018</th> <th>2019</th> </tr> </thead> <tbody> <tr> <td>Total energy consumed (GJ)</td> <td>42,785,875</td> <td>44,897,737</td> <td>44,080,444</td> </tr> <tr> <td>Percentage grid electricity</td> <td>49%</td> <td>48%</td> <td>48%</td> </tr> <tr> <td>Percentage renewable</td> <td>0%</td> <td>0%</td> <td>0%</td> </tr> </tbody> </table>		2017	2018	2019	Total energy consumed (GJ)	42,785,875	44,897,737	44,080,444	Percentage grid electricity	49%	48%	48%	Percentage renewable	0%	0%	0%				
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Energy Management	(1) Total fuel consumed, (2) percentage coal, (3) percentage natural gas, (4) percentage renewable	EM-IS-130a.2	<p>The boundary for this disclosure is our six EAF steel mills. These operations represent the majority of our fuel use.</p> <table border="1"> <thead> <tr> <th></th> <th>2017</th> <th>2018</th> <th>2019</th> </tr> </thead> <tbody> <tr> <td>Total fuel consumed (GJ)</td> <td>21,980,911</td> <td>23,372,593</td> <td>23,118,668</td> </tr> <tr> <td>Percentage coal*</td> <td>27%</td> <td>27%</td> <td>25%</td> </tr> <tr> <td>Percentage natural gas</td> <td>72%</td> <td>72%</td> <td>74%</td> </tr> <tr> <td>Percentage renewable</td> <td>0%</td> <td>0%</td> <td>0%</td> </tr> </tbody> </table> <p>* Coal for Steel Dynamics includes carbon units which are used in the EAF steelmaking process as a metallurgical additive as well as for chemical energy.</p>		2017	2018	2019	Total fuel consumed (GJ)	21,980,911	23,372,593	23,118,668	Percentage coal*	27%	27%	25%	Percentage natural gas	72%	72%	74%	Percentage renewable	0%	0%	0%
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Water Management	(1) Total fresh water withdrawn, (2) percentage recycled, (3) percentage in regions with High or Extremely High Baseline Water Stress	EM-IS-140a.1	<p>The boundary for this disclosure is our six EAF steel mills and includes our ironmaking facility located on the campus of one of our steel mills, as it is difficult to segregate this data apart from the steel mill.</p> <table border="1"> <thead> <tr> <th></th> <th>2017</th> <th>2018</th> <th>2019</th> </tr> </thead> <tbody> <tr> <td>Total fresh water withdrawn (Thousands of cubic meters)</td> <td>13,690</td> <td>14,860</td> <td>13,682</td> </tr> <tr> <td>Percentage recycled*</td> <td>9,636%</td> <td>8,869%</td> <td>9,819%</td> </tr> <tr> <td>Water withdrawn in regions with High or Extremely High Baseline Water Stress as a percentage of total water withdrawn</td> <td>3%</td> <td>2%</td> <td>3%</td> </tr> <tr> <td>Water consumed in regions with High or Extremely High Baseline</td> <td>3%</td> <td>2%</td> <td>3%</td> </tr> </tbody> </table>		2017	2018	2019	Total fresh water withdrawn (Thousands of cubic meters)	13,690	14,860	13,682	Percentage recycled*	9,636%	8,869%	9,819%	Water withdrawn in regions with High or Extremely High Baseline Water Stress as a percentage of total water withdrawn	3%	2%	3%	Water consumed in regions with High or Extremely High Baseline	3%	2%	3%
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Water Stress as a percentage of total water consumed																							
Waste Management	Amount of waste generated, percentage hazardous, percentage recycled	EM-IS-150a.1	<p>The boundary for this disclosure is our six EAF steel mills and includes our ironmaking facility located on the campus of one of our steel mills, as it is difficult to segregate this data apart from the steel mill.</p> <table border="1"> <thead> <tr> <th></th> <th>2017</th> <th>2018</th> <th>2019</th> </tr> </thead> <tbody> <tr> <td>Amount of waste generated (metric tons)</td> <td>400,666</td> <td>408,437</td> <td>396,382</td> </tr> <tr> <td>Percentage hazardous</td> <td>35%</td> <td>34%</td> <td>30%</td> </tr> <tr> <td>Percentage recycled</td> <td>67%</td> <td>69%</td> <td>66%</td> </tr> </tbody> </table>		2017	2018	2019	Amount of waste generated (metric tons)	400,666	408,437	396,382	Percentage hazardous	35%	34%	30%	Percentage recycled	67%	69%	66%				
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Employee Health and 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	EM-IS-320a.1	<p>The data below covers our entire operations:</p> <table border="1"> <thead> <tr> <th></th> <th>2017</th> <th>2018</th> <th>2019</th> </tr> </thead> <tbody> <tr> <td>Total recordable incident rate (TRIR)</td> <td>1.5</td> <td>1.8</td> <td>1.9</td> </tr> <tr> <td>Fatality rate</td> <td>0.00</td> <td>0.00</td> <td>0.01</td> </tr> <tr> <td>Near miss frequency rate (NMFR) for full-time employees*</td> <td>20</td> <td>14</td> <td>17</td> </tr> <tr> <td>Near miss frequency rate (NMFR) for contract employees</td> <td>N/A</td> <td>N/A</td> <td>N/A</td> </tr> </tbody> </table> <p>The rates above are based on 200,000 work-hours.</p> <p>Steel Dynamics encourages open communication and sharing of all incidents that did or could have resulted in injury. We value and encourage near miss reporting as it serves as an opportunity to learn and improve our safety program without having our team members or their families undergo the pain and potential loss associated with an injury.</p> <p>Steel Dynamics does not presently have a system in place to track the number of injuries or work hours for non-employees (contract employees).</p> <p>*Includes incidents that were categorized as either near misses or property damage</p>		2017	2018	2019	Total recordable incident rate (TRIR)	1.5	1.8	1.9	Fatality rate	0.00	0.00	0.01	Near miss frequency rate (NMFR) for full-time employees*	20	14	17	Near miss frequency rate (NMFR) for contract employees	N/A	N/A	N/A
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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	EM-IS-430a.1	As a 100% EAF steel manufacturer, we are not dependent on upstream sources for iron ore or coking coal. We intentionally developed into a vertically connected metals company comprised of our upstream metals recycling platform. Steel is the most recycled product on earth, and our EAFs use mostly scrap based raw material mixes, supplemented with virgin iron units to ensure metallurgical properties. In fact, Steel Dynamics' metals recycling platform is the second largest ferrous recycler in North America, recycling millions of tons annually, with more than half its volume going to feed our own steel mills.
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	Activity Metric	Code	Steel Dynamics Disclosure																				
	Raw steel production, percentage from: (1) basic oxygen furnace processes, (2) electric arc furnace processes	EM-IS-000.A	<p>The data below covers our entire operations:</p> <table border="1"> <thead> <tr> <th></th> <th>2017</th> <th>2018</th> <th>2019</th> </tr> </thead> <tbody> <tr> <td>Raw steel production: basic oxygen furnace processes (metric tons cast)</td> <td>0</td> <td>0</td> <td>0</td> </tr> <tr> <td>Raw steel production: electric arc furnace processes (metric tons cast)</td> <td>8,529,969</td> <td>9,074,135</td> <td>8,793,160</td> </tr> <tr> <td>Raw steel production: basic oxygen furnace processes (%)</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> </tr> </tbody> </table>		2017	2018	2019	Raw steel production: basic oxygen furnace processes (metric tons cast)	0	0	0	Raw steel production: electric arc furnace processes (metric tons cast)	8,529,969	9,074,135	8,793,160	Raw steel production: basic oxygen furnace processes (%)	0%	0%	0%	Raw steel production: electric arc furnace processes (%)	100%	100%	100%
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	Total iron ore production (metric tons)	EM-IS-000.B	<p>The data below covers our entire operations:</p> <table border="1"> <thead> <tr> <th></th> <th>2017</th> <th>2018</th> <th>2019</th> </tr> </thead> <tbody> <tr> <td>Total iron ore production (metric tons)</td> <td>0</td> <td>0</td> <td>0</td> </tr> </tbody> </table>		2017	2018	2019	Total iron ore production (metric tons)	0	0	0												
	2017	2018	2019																				
Total iron ore production (metric tons)	0	0	0																				
	Total coking coal production (metric tons)	EM-IS-000.C	<p>The data below covers our entire operations:</p> <table border="1"> <thead> <tr> <th></th> <th>2017</th> <th>2018</th> <th>2019</th> </tr> </thead> <tbody> <tr> <td>Total coking coal production (metric tons)</td> <td>0</td> <td>0</td> <td>0</td> </tr> </tbody> </table>		2017	2018	2019	Total coking coal production (metric tons)	0	0	0												
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## 2019 GRI Index

The following addresses the individual GRI standards referenced, the location of the content and any comments and omissions if noted. This material references Disclosure 301-2 from GRI 301: Materials 2016, Disclosure 302-1 and 302-3 from GRI 302: Energy 2016, Disclosure 303-1 and 303-3 from GRI 303: Water 2016, Disclosures 305-1, 305-2, 305-4 and 305-7 from GRI 305: Emissions 2016, Disclosure 306-2 from GRI 306: Effluents and Waste 2016, Disclosures 403-1, 403-2, 403-3, 403-4, 403-5, 403-6, 403-7, 403-8, and 403-9 from GRI 403: Occupational Health and Safety 2018, Disclosure 404-2 from GRI 404: Training and Education 2016 and Disclosures 103-1, 103-2, 103-3 from GRI 103: Management Approach 2016.

### *General Disclosures – Organization Profile*

Standard	Name	Steel Dynamics Disclosure	Reference
102-1	Name of the organization	Steel Dynamics, Inc.	
102-2	Activities, brands, products, services	Steel Dynamics is one of the largest domestic steel producers and metals recyclers in the United States based on estimated annual steelmaking and metals recycling capability, with facilities located throughout the United States, and in Mexico. Steel Dynamics produces steel products, including hot roll, cold roll, and coated sheet steel, structural steel beams and shapes, rail, engineered special-bar-quality steel, cold finished steel, merchant bar products, specialty steel sections and steel joists and deck. In addition, we produce liquid pig iron and process and sell ferrous and nonferrous scrap.	2019 Annual Report page 4 and 2019 Form 10-K Item 1. Business pages 3-5, 8-14, and 16
102-3	Location of headquarters	7575 W Jefferson Blvd., Fort Wayne, IN 46804 USA	
102-4	Location of operations	Steel Dynamics has over 70 steel, metals recycling, and steel fabrication operating facilities in approximately 17 states within the United States, and a steel fabrication operation located in Juarez, Mexico.	2019 10-K Item 1. Business page 5, Item 2. Properties page 26
102-5	Ownership and legal form	Steel Dynamics, Inc., an Indiana corporation, is a publicly traded company listed on the Nasdaq Global Select Market (ticker: STLD).	
102-6	Markets served		2019 Annual Report page 4 and 2019 Form 10-K Item 1. Business pages 8-14
102-7	Scale of the organization		2019 10-K Item 2. Properties page 26 and Item 6. Selected Financial Data pages 30-31
102-9	Describe the organization's supply chain		2019 10-K Item 1. Business pages 5 and 12-16
102-10	Significant changes to the organization and its supply chain	We had no significant changes in size, structure, ownership or supply chain. In October 2019, we achieved investment grade credit ratings which allowed us to refinance a majority of outstanding debt at a lower cost for our shareholders.	

102-13	Membership of associations	We are members of and participate in various steel, steel fabrication and metals recycling trade associations including the Steel Manufacturers Association, the American Institute of Steel Construction, Association for Iron & Steel Technology, the Institute of Scrap Recycling Industries, the Steel Joist Institute and the Steel Deck Institute.	
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### *General Disclosures – Strategy*

<b>Standard</b>	<b>Name</b>	<b>Steel Dynamics Disclosure</b>	<b>Reference</b>
102-14	Statement from CEO on sustainability		2019 Sustainability Report, pages 2-5

### *General Disclosures – Ethics and Integrity*

<b>Standard</b>	<b>Name</b>	<b>Steel Dynamics Disclosure</b>	<b>Reference</b>
102-16	Values, principles, standards, and norms of behavior		2019 Sustainability Report, pages 3 and 7-8
102-17	Mechanisms for advice and concerns about ethics		2019 Sustainability Report, page 44 and <a href="http://ir.steeldynamics.com/Documentation/Policy%20Governing%20the%20Receipt,%20Retention%20and%20Treatment%20of%20Complaints">http://ir.steeldynamics.com/Documentation/Policy Governing the Receipt, Retention and Treatment of Complaints</a>

### *General Disclosures – Governance*

<b>Standard</b>	<b>Name</b>	<b>Steel Dynamics Disclosure</b>	<b>Reference</b>
102-18	Governance structure		2019 Sustainability Report, pages 41-43
102-23	Chair of the highest governance body		2020 Proxy pages 9-10
102-24	Nominating and selecting the highest governance body		2020 Proxy pages 13 and 15-16
102-25	Conflicts of interest		2020 Proxy page 17
102-28	Evaluating the highest governance body's performance		2020 Proxy page 16
102-35	Remuneration policies		2020 Proxy pages 34-47

102-36	Process for determining remuneration		2020 Proxy pages 34-47
102-38	Annual total compensation ratio		2020 Proxy page 58

### General Disclosures – Stakeholder Engagement

Standard	Name	Steel Dynamics Disclosure	Reference
102-40	List of stakeholder groups	Customers, Employees, Vendors, Shareholders, Communities	
102-41	Collective bargaining agreements	At December 31, 2019, 9% of our 8,385 full time employees were represented by collective bargaining agreements.	2019 10-K Item 1. Business page 17
102-42	Identifying and Selecting Stakeholders	We maintain ongoing dialogue with our customers, employees, vendors, shareholders and communities. We stay in regular contact with stakeholders, and periodically receive inquiries and requests for engagement from our stakeholder groups.	
102-43	Approach to stakeholder engagement	We maintain ongoing dialogue with our customers, employees, vendors, shareholders and communities. Here are some of the ways we engage with our stakeholders. We engage with our customers through calls, customer visits and certifications to best meet their needs. We engage with our employees through toolbox talks, regular employee meetings, regular facility walks, an open-door policy, Safety Alerts, training, employee surveys, company picnics and holiday parties. We engage with our vendors through our vendor verification process and regular discussions on our product needs. We engage with our shareholders through calls, conferences, non-deal road shows, meetings and facility tours. We engage with our communities through volunteering with local charities, charitable donations, providing site tours and visiting schools to talk about recycling. A cross-functional group of internal stakeholders participated in the development of this report.	

### General Disclosures – Reporting Practice

Standard	Name	Steel Dynamics Disclosure	Reference
102-45	Entities included in the consolidated financial statements	<p>The Steel Dynamics, Inc. consolidated financial statements are included in the 2019 Form 10-K filed with the U.S. Securities and Exchange Commission. A listing of our significant subsidiaries included in our consolidated financial statements can be found in Exhibit 21.1 of our Form 10-K. The consolidated financial statements are prepared in accordance with U.S. generally accepted accounting principles.</p> <p>For environmental disclosures, Steel Dynamics' materials, energy, water, greenhouse gas, other emissions, and waste data are derived from the operations of our six EAF steel mills and for water and waste data includes our ironmaking facility located on the campus of one of our steel mills, as it is difficult to segregate this data apart from the steel mill.</p>	2019 10-K Exhibit 21.1

102-46	Defining report content and topic boundaries	To define the report content and identify the sustainability material topics to be included in this report, the reporting team conducted a customized materiality assessment. The reporting team engaged with a cross-functional group of internal stakeholders who have responsibility for sustainability matters to discuss the impacts on economic, societal and environmental items. In addition, the focus group consulted third parties with expertise in topics material to our industry. This focus group generated a list of potential topics and proposed topic boundaries. The reporting team reconciled this list to GRI topics, creating a master list of potential topics to further evaluate and rank in the materiality assessment stage of the reporting process. Senior managers of the company reviewed the materiality assessment and affirmed proposed topic-specific standards and boundaries. Feedback from internal stakeholders, along with feedback from our general engagement with external stakeholders, was utilized to define the content of this report.	
102-47	List of Material Topics	Recycled Materials, Energy Used, Water Withdrawal, Water Reused, GHG Emissions, Air Emissions, Waste, Safety of Employees and Workforce Training	
102-48	Restatements of information	Steel Dynamics aims to provide as accurate and up to date as possible data to allow stakeholders to understand our performance and compare it to prior periods. Where appropriate, historical data has been restated to present data on a consistent and comparable basis and where material an explanation is provided.	
102-49	Changes in reporting	We are no longer reporting on GRI standard 201-1 direct economic value generated and distributed. We do provide selected financial data in our 2019 Sustainability Report on page 6. Additionally, Steel Dynamics financial statements and related financial disclosures are filed with the United States Securities and Exchange Commission and are made publicly available at sec.gov. Based on stakeholder engagement and feedback, we have expanded our disclosures to include 302-1 energy consumption within the organization from GRI 302: Energy 2016, 303-1 water withdrawal by source from GRI 303: Water 2016, 305-2 energy indirect (Scope 2) GHG emissions from GRI 305: Emissions 2016. We have also adopted 403-1, 403-2, 403-3, 403-4, 403-5, 403-6, 403-7, 403-8, and 403-9 disclosures from GRI 403: Occupational Health and Safety 2018, expanding our occupational health and safety disclosures.	
102-50	Reporting period	Our GRI Index and 2019 sustainability report presents data for the 2019 calendar year.	
102-51	Date of most recent report	Our most recent report was our inaugural 2017 Sustainability Report issued in December 2018.	
102-53	Contact point for questions regarding this report	Please send comments or questions about this Report to investors@steeldynamics.com, or in writing to: Attention: Investor Relations / Sustainability Report 7575 W Jefferson Blvd. Fort Wayne, IN 46804 USA	
102-55	GRI index	This document is our GRI index which is also available on our website.	<a href="https://www.steeldynamics.com/Sustainability.aspx">https://www.steeldynamics.com/Sustainability.aspx</a>



**Environmental Disclosures – Materials**

Standard	Name	Steel Dynamics Disclosure	Reference
103 - 1, 2, 3	Management Approach	<p>Recycled ferrous materials are the single largest raw material input for our steel operations, representing approximately 55% to 60% of our costs to produce steel. As such, we maintain a high-quality, secure supply through our metals recycling operations and Iron Dynamics scrap substitute facility. Our metals recycling operations consists of both ferrous and nonferrous scrap metal processing, transportation, marketing, and brokerage services strategically located primarily in close proximity to our steel mills and other end-user scrap consumers throughout the eastern half of the United States.</p> <p>At Steel Dynamics, we recognize the importance of being good stewards of our environment and the communities where we work and live. We continually evaluate opportunities to improve our processes, equipment and technology to reduce our impact on the environment. To us, it's more than simply meeting the requirements, but going beyond with a commitment to high environmental standards. Representing over 60% of our 2019 steel production, the Butler Flat Roll Division and Columbus Flat Roll Division's utilize environmental management systems that are certified with the International Organization for Standardization 14001.</p> <p>We continue to utilize our metals recycling operations to reintroduce ferrous scrap materials into the manufacturing life cycle to be made into new steel products once again. In order to recover more usable materials and reduce waste, in prior years we invested \$40 million in automotive shredder residue processing technology. These investments have resulted in over 200 million pounds of additional reusable material in 2019.</p> <p>Management reviews and evaluates conversion costs and material usage per ton. We believe in empowering our team members and rewarding them for their achievements through a performance-based compensation program. One component of this program focuses on team members' productivity, cost control and efficient use of assets.</p>	2019 Sustainability Report pages 28-31 and Environmental Policy located on our website at <a href="http://ir.steeldynamics.com/Documentation">http://ir.steeldynamics.com/Documentation</a>
301-2 2016	Recycled input materials used	The boundary for this disclosure is the melt mix at our six EAF steel mills. The melt mix includes ferrous scrap metals, iron units, lime and other alloys.	2019 Sustainability Report page 31

**Environmental Disclosures – Energy**

Standard	Name	Steel Dynamics Disclosure	Reference																				
103 - 1, 2, 3	Management Approach	<p>Large volumes of electricity and natural gas are required to melt ferrous materials and transform metal into high-quality finished steel products at our six EAF steel mills. Management conducts regular operational reviews of energy volumes and costs within each department and facility. Additionally, our facilities share best practices on energy conservation to ensure continual improvement.</p> <p>Management reviews and evaluates conversion costs and energy usage per ton to ensure we operate as efficiently as possible. We believe in empowering our team members and rewarding them for their achievements through a performance-based compensation program. One component of this program focuses on team members' productivity, cost control, and efficient use of assets.</p>	2019 Sustainability Report page 33 and environmental policy located on our website at <a href="http://ir.steeldynamics.com/Documentation">http://ir.steeldynamics.com/Documentation</a>																				
302-1	Energy consumption within the organization	<p>The boundary for this disclosure is our six EAF steel mills. These operations represent the majority of our energy use. The data below is in gigajoules:</p> <table border="1"> <thead> <tr> <th></th> <th>2017</th> <th>2018</th> <th>2019</th> </tr> </thead> <tbody> <tr> <td>Total fuel consumption within the organization from non-renewable sources</td> <td>21,980,911</td> <td>23,372,593</td> <td>23,118,668</td> </tr> <tr> <td>Total fuel consumption within the organization from renewable sources</td> <td>0</td> <td>0</td> <td>0</td> </tr> <tr> <td>Electricity consumption</td> <td>20,804,964</td> <td>21,525,144</td> <td>20,961,776</td> </tr> <tr> <td>Total energy consumption within the organization</td> <td>42,785,875</td> <td>44,897,737</td> <td>44,080,444</td> </tr> </tbody> </table> <p>Our fuel consumption from non-renewable sources includes the following types: natural gas, carbon units, gasoline, diesel, and propane. We did not have material fuel consumption for cooling, steam, or heating consumption for the periods presented. We did not have material fuel sold of any type for the periods presented. The quantity of natural gas consumed (dekatherms), carbon units (tons), gasoline (gallons), diesel fuel (gallons), and propane (pounds) were accounted for based on invoices from vendors that provide these fuels. The established energy content of natural gas, gasoline, diesel fuel, and propane were then used to calculate the energy content. For purchased electricity, we utilized the known electrical consumption from invoices. Conversion factors used are readily available.</p>		2017	2018	2019	Total fuel consumption within the organization from non-renewable sources	21,980,911	23,372,593	23,118,668	Total fuel consumption within the organization from renewable sources	0	0	0	Electricity consumption	20,804,964	21,525,144	20,961,776	Total energy consumption within the organization	42,785,875	44,897,737	44,080,444	
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Total energy consumption within the organization	42,785,875	44,897,737	44,080,444																				

302-3 2016	Energy intensity	The boundary for this disclosure is our six EAF steel mills. These operations represent the majority of our energy use. Energy intensity is calculated as natural gas, carbon units, fuels, and electricity as gigajoules per cast steel metric ton. In our 2019 disclosure, we added carbon units utilized in the steel manufacturing process as a source of energy/fuel consumption. In addition, in 2019 we changed our boundary to exclude our ironmaking facility located on the campus of one of our steel mills. As such, we restated our energy intensity for 2017 and 2018.	2019 Sustainability Report page 33
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**Environmental Disclosures – Water**

Standard	Name	Steel Dynamics Disclosure	Reference																
103 - 1, 2, 3	Management Approach	<p>We recognize that, as corporate citizens, we must understand potential environmental impacts of our steelmaking process, so we ensure these natural resources are used responsibly. We use withdrawn water for contact- and non-contact cooling water in our steel mills, where cooling is necessary to provide high-quality steel products.</p> <p>Our Roanoke Bar Division is our only steel mill located in a high stress water region as defined by World Resources Institute’s Aqueduct and this facility accounts for only 3% of our total annual water withdrawal. We understand the impact our operations may have on the water supply at the local level. In the communities where our steel mills operate, we have implemented water reuse programs. Our facilities are designed with cascading water systems to maximize the use of withdrawn water. Water from noncontact water systems is reused in other noncontact water systems or in contact water systems.</p> <p>Withdrawing water in larger volumes more frequently would be more costly. To evaluate the amount of water withdrawn, our water wells utilized for production processes have flow meters, and the results are reviewed and directly communicated to management and are included in an annual report to the designated state regulatory authority.</p>	2019 Sustainability Report page 37 and Environmental Policy located on our website at <a href="http://ir.steeldynamics.com/Documentation">http://ir.steeldynamics.com/Documentation</a>																
303-1 2016	Water withdrawal by source	<p>The boundary for this disclosure is our six EAF steel mills and includes our ironmaking facility located on the campus of one of our steel mills, as it is difficult to segregate this data apart from the steel mill. These operations represent the majority of our water withdrawal. The data below is in millions of gallons:</p> <table border="1"> <thead> <tr> <th></th> <th>2017</th> <th>2018</th> <th>2019</th> </tr> </thead> <tbody> <tr> <td>Total volume of water withdrawn from ground water</td> <td>3,253</td> <td>3,588</td> <td>3,286</td> </tr> <tr> <td>Total volume of water withdrawn from municipal water</td> <td>364</td> <td>338</td> <td>328</td> </tr> <tr> <td>Total volume of water withdrawn</td> <td>3,617</td> <td>3,926</td> <td>3,614</td> </tr> </tbody> </table> <p>We did not withdraw or directly use any amount of water from surface water, rainwater, or wastewater from another organization. To evaluate the amount of water withdrawn, our water wells utilized for production processes have flow meters, and the results are</p>		2017	2018	2019	Total volume of water withdrawn from ground water	3,253	3,588	3,286	Total volume of water withdrawn from municipal water	364	338	328	Total volume of water withdrawn	3,617	3,926	3,614	
	2017	2018	2019																
Total volume of water withdrawn from ground water	3,253	3,588	3,286																
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		<p>reviewed and directly communicated to management and are included in an annual report to the designated state regulatory authority.</p> <p>While we did not report on this standard in the past, we did disclose total volume of water withdrawn in our management approach in our 2017 Sustainability Report. This number was restated and reduced due to an updated calculation.</p>																	
303-3 2016	Water recycled and reused	<p>The boundary for this disclosure is our six EAF steel mill and includes our ironmaking facility located on the campus of one of our steel mills, as it is difficult to segregate this data apart from the steel mill. These operations represent the majority of our water recycled and reused. As a result of our water reuse programs, we withdraw a fraction of our total system water demand and we reuse more volume than we withdraw. The data below is in millions of gallons:</p> <table border="1"> <thead> <tr> <th></th> <th>2017</th> <th>2018</th> <th>2019</th> </tr> </thead> <tbody> <tr> <td>Estimated total water system demand</td> <td>352,110</td> <td>352,111</td> <td>358,511</td> </tr> <tr> <td>Estimated water recycled and reused</td> <td>348,494</td> <td>348,185</td> <td>354,896</td> </tr> <tr> <td>Estimated water recycled and reused as a percent of total water withdrawal</td> <td>9,636%</td> <td>8,869%</td> <td>9,819%</td> </tr> </tbody> </table> <p>Estimated water recycled and reused was calculated by subtracting the total volume of water withdrawn from the estimated total water system demand. Estimated total water system demand was calculated based on maximum system ratings and 355 days of operation per year to account for plant maintenance/down days.</p> <p>The total volume of water withdrawn was restated and reduced for 2017, as noted above. Additionally, the estimated total water system demand for 2017 was restated and reduced due to an updated calculation. Thus, estimated water recycled and reused, and estimated water recycled and reused as a percent of total water withdrawal for 2017 have been restated and reduced.</p>		2017	2018	2019	Estimated total water system demand	352,110	352,111	358,511	Estimated water recycled and reused	348,494	348,185	354,896	Estimated water recycled and reused as a percent of total water withdrawal	9,636%	8,869%	9,819%	2019 Sustainability Report page 37
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## Environmental Disclosures – Emissions

Standard	Name	Steel Dynamics Disclosure	Reference
103 - 1, 2, 3	Management Approach	<p>The majority of our greenhouse gas (GHG) and other emissions come from our six steel mill facilities, where electric arc furnaces are used for steelmaking.</p> <p>We endeavor for continuous improvement in minimizing carbon dioxide emissions, while maintaining compliance with regulated emission limits. Our regulated air emissions are frequently managed by control devices with best available control technologies according to our permits — baghouses capture particulate matter (PM), natural gas-fired burners are designed to reduce nitrogen oxide (NOx) emissions, and thermal oxidizers destroy paint line volatile organic compounds (VOCs), among other control devices.</p> <p>We evaluate our greenhouse gas emissions by regularly reviewing furnace performance and efficiency. Routine testing of air emissions and frequent monitoring of our operations give us the ability to ensure compliance with permits and the safe and sustainable production of our high-quality steel products. Our facilities must be in compliance with relevant local, state and federal air quality standards and emission limits. In accordance with United States law, our facilities triggering the reporting requirements annually report GHG emissions to the US Environmental Protection Agency. Additionally, other air emissions are submitted regularly to state and federal regulators to maintain our permits.</p>	2019 Sustainability Report pages 34-36 and Environmental Policy located on our website at <a href="http://ir.steeldynamics.com/Documentation">http://ir.steeldynamics.com/Documentation</a>
305-1	Direct (Scope 1) GHG emissions	<p>The boundary for this disclosure is our six EAF steel mills, where the majority of our emissions occur. Our direct (Scope 1) GHG emissions for 2017, 2018 and 2019 were as follows: 1,700,245 metric tons CO<sub>2</sub>e, 1,863,045 metric tons CO<sub>2</sub>e and 1,744,669 metric tons CO<sub>2</sub>e respectively. CO<sub>2</sub>, CH<sub>4</sub> and N<sub>2</sub>O gases were included in this calculation. We did not have any significant biogenic CO<sub>2</sub> emissions. The consolidation approach used for calculating emissions was operational control. Emissions factors are per 40 Code of Federal Regulations (CFR) 98 Subpart C and Subpart Q. Global warming potentials are per Table A-1 to Subpart A of 40 CFR 98. Basis of carbon content was determined per various suppliers, Continuous Emission Monitoring System (CEMS) records, and American Society for Testing and Materials (ASTM) standards.</p> <p>In 2019, we changed our boundary to exclude our ironmaking facility located on the campus of one of our steel mills. As such, we restated our direct (Scope 1) emissions for 2017.</p>	2019 Sustainability Report page 34

305-2	Energy indirect (Scope 2) GHG emissions	<p>The boundary for this disclosure is our six EAF steel mills, where the majority of our electricity usage occurs. Our gross location-based energy indirect (Scope 2) GHG emissions for 2017, 2018 and 2019 were as follows: 3,215,942 metric tons CO<sub>2</sub>e, 3,299,883 metric tons CO<sub>2</sub>e and 3,145,097 metric tons CO<sub>2</sub>e respectively. Our gross market-based energy indirect (Scope 2) GHG emissions for 2017, 2018 and 2019 were as follows: 2,772,040 metric tons CO<sub>2</sub>e, 2,861,638 metric tons CO<sub>2</sub>e and 2,574,712 metric tons CO<sub>2</sub>e respectively. CO<sub>2</sub>, CH<sub>4</sub> and N<sub>2</sub>O gases were included in this calculation. We did not have any significant biogenic CO<sub>2</sub> emissions. The consolidation approach used for calculating emissions was operational control. Emissions factors are per 40 Code of Federal Regulations (CFR) 98 Subpart C and Subpart Q. Global warming potentials are per Table A-1 to Subpart A of 40 CFR 98. Basis of carbon content was determined per various suppliers, CEMS records, and American Society for Testing and Materials (ASTM) standards.</p>																													
305-4	GHG emissions intensity	<p>The boundary for this disclosure is our six EAF steel mills where the majority of our emissions occur. CO<sub>2</sub>, CH<sub>4</sub> and N<sub>2</sub>O gases were included in this calculation. The GHG emissions included in this ratio are Scope 1 and Scope 2. CO<sub>2</sub>, CH<sub>4</sub> and N<sub>2</sub>O gases were included in this calculation.</p> <p>In 2019, we changed our boundary to exclude our ironmaking facility located on the campus of one of our steel mills. As such, we restated our direct (Scope 1) emissions intensity for 2017 and 2018.</p>	2019 Sustainability Report page 34																												
305-7	Nitrogen oxides (NOx), sulfur oxides (SOx), and other significant air emissions	<p>The boundary for this disclosure is our six electric arc furnace (EAF) steel mills, where the majority of our emissions occur. The data below is in net tons:</p> <table border="1"> <thead> <tr> <th></th> <th>2017</th> <th>2018</th> <th>2019</th> </tr> </thead> <tbody> <tr> <td>NOx</td> <td>1,801</td> <td>1,853</td> <td>1,415</td> </tr> <tr> <td>SOx</td> <td>1,045</td> <td>1,088</td> <td>820</td> </tr> <tr> <td>Persistent organic pollutants (POP)</td> <td>0</td> <td>0</td> <td>0</td> </tr> <tr> <td>Volatile organic compounds (VOC)</td> <td>394</td> <td>267</td> <td>281</td> </tr> <tr> <td>Hazardous air pollutants (HAP)</td> <td>35</td> <td>39</td> <td>37</td> </tr> <tr> <td>Particulate matter (PM)</td> <td>747</td> <td>649</td> <td>613</td> </tr> </tbody> </table> <p>Source of emission factors used, and standards, methodologies, assumptions, or calculation tools used include AP-42 Compilation of Air Pollutant Emission Factors, material balance, stack measurements, and CEMS.</p> <p>For the Columbus flat roll mill location, there was a change in the CO, NOx and SO<sub>2</sub> emission measurement methodology. CO, NOx and SO<sub>2</sub> emissions in 2017 and 2018 were calculated using stack tests and 2019 emissions were calculated using CEMS data.</p> <p>In 2019, we changed our boundary to exclude our ironmaking facility located on the campus of one of our steel mills. As such, we restated our emissions for 2017.</p>		2017	2018	2019	NOx	1,801	1,853	1,415	SOx	1,045	1,088	820	Persistent organic pollutants (POP)	0	0	0	Volatile organic compounds (VOC)	394	267	281	Hazardous air pollutants (HAP)	35	39	37	Particulate matter (PM)	747	649	613	2019 Sustainability Report page 38
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**Environmental Disclosures – Effluents and Waste**

Standard	Name	Steel Dynamics Disclosure	Reference																																																												
103 - 1, 2, 3	Management Approach	<p>Our EAF steel mills generate various nonhazardous and hazardous wastes in the steelmaking process. We follow strict procedures for how wastes are handled and disposed of or recycled. One way we take extra measures to responsibly manage our hazardous waste stream is by diverting EAF dust from landfills to zinc recovery companies. To minimize disposal of other byproducts of the manufacturing process, we assess what materials are considered reusable and divert those materials to be recycled versus sent to a landfill. Where feasible, we recycle materials onsite (e.g. scrap) and offsite (e.g. used oil, universal waste).</p> <p>We continually look for ways to minimize waste generation and the costs associated with nonhazardous and hazardous wastes. Volumes of waste sent for disposal are reviewed and communicated to facility management regularly. Performance-based incentive programs reward team members for reducing waste and increasing efficiency, while also safely producing quality products for our customers.</p>	2019 Sustainability Report pages 39 and environmental policy located on our website at <a href="http://ir.steeldynamics.com/Documentation">http://ir.steeldynamics.com/Documentation</a>																																																												
306-2: 2016	Waste by type and disposal method	<p>The boundary for this disclosure is our six EAF steel mills and includes our ironmaking facility located on the campus of one of our mills, as it is difficult to segregate this data apart from the mill. The data below is in net tons:</p> <table border="1"> <thead> <tr> <th></th> <th>2017</th> <th>2018</th> <th>2019</th> </tr> </thead> <tbody> <tr> <td><b>Hazardous Waste Total:</b></td> <td>152,920</td> <td>153,281</td> <td>130,152</td> </tr> <tr> <td>  Recycling</td> <td>2,073</td> <td>2,054</td> <td>2,413</td> </tr> <tr> <td>  Recovery</td> <td>149,178</td> <td>148,585</td> <td>125,618</td> </tr> <tr> <td>  Incineration</td> <td>70</td> <td>26</td> <td>94</td> </tr> <tr> <td>  Deep well injection</td> <td>231</td> <td>56</td> <td>142</td> </tr> <tr> <td>  Landfilled</td> <td>1,367</td> <td>2,559</td> <td>1,826</td> </tr> <tr> <td>  Other</td> <td>1</td> <td>1</td> <td>59</td> </tr> <tr> <td> </td> <td></td> <td></td> <td></td> </tr> <tr> <td><b>Non-Hazardous Waste Total:</b></td> <td>288,738</td> <td>296,944</td> <td>306,784</td> </tr> <tr> <td>  Reuse</td> <td>120</td> <td>138</td> <td>128</td> </tr> <tr> <td>  Recycling</td> <td>142,733</td> <td>158,707</td> <td>160,170</td> </tr> <tr> <td>  Recovery</td> <td>1,192</td> <td>1,200</td> <td>1,107</td> </tr> <tr> <td>  Landfilled</td> <td>144,369</td> <td>133,623</td> <td>142,616</td> </tr> <tr> <td>  Other</td> <td>324</td> <td>3,276</td> <td>2,763</td> </tr> </tbody> </table> <p>Slag is not included in the values reported for non-hazardous waste, because slag is considered a co-product in the steel industry. The waste disposal method was determined by information provided by waste disposal contractors.</p>		2017	2018	2019	<b>Hazardous Waste Total:</b>	152,920	153,281	130,152	Recycling	2,073	2,054	2,413	Recovery	149,178	148,585	125,618	Incineration	70	26	94	Deep well injection	231	56	142	Landfilled	1,367	2,559	1,826	Other	1	1	59					<b>Non-Hazardous Waste Total:</b>	288,738	296,944	306,784	Reuse	120	138	128	Recycling	142,733	158,707	160,170	Recovery	1,192	1,200	1,107	Landfilled	144,369	133,623	142,616	Other	324	3,276	2,763	2019 Sustainability Report page 39
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		2017 non-hazardous wastes were restated to reflect the removal of home scrap from one of our steel mill's non-hazardous waste recycling totals, which should not have been included because EPA regulations exempt scrap metal from solid & waste regulations.	
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**Social Disclosures – Occupational Health and Safety**

Standard	Name	Steel Dynamics Disclosure	Reference
103 - 1, 2, 3	Management Approach	<p>Safety is and always will be our primary focus and a core value. Our goal is to achieve zero injuries— no accidents. Nothing is more important than the safety and welfare of our team.</p> <p>At Steel Dynamics, valuing people includes providing a safe work environment and creating a culture of safety that extends beyond work, to our homes and communities. The company, our team members, third party visitors, as well as their families and friends, are impacted by the occupational health and safety at our facilities.</p> <p>Our management approach is further discussed in disclosures 403-1: 2018 through 403-7: 2018.</p>	2019 Sustainability Report pages 9-16
403-1:2018	Occupational health and safety management system	<p>Our Core Safety Group (CSG) guides the company-wide safety culture and program for 100% of our employees. The CSG consists of members with both safety and operational expertise from each of our three primary operating platforms: Steel Operations, Steel Fabrication, and Metals Recycling. The CSG is the vehicle for our coordinated safety communication, collaboration, and alignment across operating platforms and locations. The CSG's primary goal is to guide the overall safety program toward achievement of zero incidents.</p> <p>We have implemented several management systems to manage occupational health and safety within all operations. The Steel Dynamics Safety Calendar guides occupational health and safety topics requiring routine training, inspections and recordkeeping details to meet and exceed the United States Occupational Safety and Health Administration (OSHA) and our expectations. An Occupational Health Management System is utilized by our nursing team to document all medical surveillance, wellness, first aid, prevention and treatment. Integrated online programs are also used to manage corporate safety programs, CSG expectations, injury and illness data, and all safety related incidents.</p> <p>The Steel Dynamics Safety Calendar has been specifically designed, and continues to be annually updated, to meet and exceed all applicable OSHA requirements in addition to many Company Occupational Health and Safety (OHS) requirements. It has been guided by the CSG to assure a comprehensive safety and health management system designed to meet and exceed all applicable legal requirements and company expectations.</p> <p>All Steel Dynamics divisions conduct and annually update Job Safety Analysis as well as Personal Protective Equipment (PPE) evaluations to meet OSHA requirements and provide a work environment free of recognized hazards. In addition, all safety incidents are</p>	2019 Sustainability Report pages 9-16



		<p>expected to be reported and investigated within the Steel Dynamics Incident Management System to identify and manage recognized hazards and potential of employee exposure to such hazards.</p> <p>All Steel Dynamics team members and contractors performing work within a facility, including off-site locations where Steel Dynamics team members are working, are expected to adhere to the company safety and health management system. No workers, workplaces, or activities are excluded.</p> <p>Safety and health systems are coordinated and managed by safety and health professionals with appropriate education, accreditations, certifications and/or experience in the field. Safety and health professionals take advantage of ongoing education, training and networking opportunities to maintain a high level of competence and expertise. Divisional Senior Leadership are ultimately responsible for the success of each local OHS system, while the Core Safety Group guides the direction and focus regarding the overall safety program.</p> <p>Various processes are in place to drive continuous innovation and improvement regarding safety. Key examples include:</p> <ul style="list-style-type: none"> <li>● Core Safety Group - A team of about 12 members representing safety professionals and operation leaders from all 3 platforms. This group meets regularly and travels to divisions, focusing on employee and management feedback with the goal to provide a safe work environment.</li> <li>● Steel Dynamics Safety Calendar - Corporate issued “roadmap” for monthly compliance with company and regulatory requirements regarding safety and health. Updated annually upon thorough review, we are always looking to stay current with safety challenges and important developments.</li> <li>● Division Safety Plans - Annual goals from each operating division focusing on safety improvements, approved by both operational and corporate senior leadership. Plans include “stretch goals” with completion timeframes beyond one year.</li> <li>● Subject Matter Expert Teams - Group of experts assembled to provide guidance on a safety topic. Teams are created as the Core Safety Group identifies opportunities for improvement on various safety topics.</li> <li>● Cross Division Safety Audits - Safety coordinators from other divisions travel to similar operations and conduct safety audits consisting of plant conditions, training compliance and team member conversations.</li> </ul>	
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<p>403-2: 2018</p>	<p>Hazard identification, risk assessment, and incident investigation</p>	<p>The safety of our team members, contractors, and visitors is a critical element of our Core Values, which reflect in all aspects of our operations. Our objective is to provide a safe working environment for all. To achieve this goal, we demonstrate a relentless pursuit of hazard recognition and abatement through reviews of Job Safety Analysis, Risk Assessments, Standard Operating Procedures, Equipment Lockout Checklists, Potential Serious Injury or Fatality identification, machine guarding and Industrial Hygiene. Classroom training, online training, job specific videos or consultant training is provided to all team members monthly, with daily safety topic training to provide team members with tools to identify work-related hazards. Safety professionals for each division ensure the quality and applicability of training. These professionals are a resource to management to identify corrective actions based upon the Hierarchy of Controls and utilized to ensure standards are maintained.</p> <p>Employee participation in the identification and reporting of work-related hazards is extensive. Through the Non-Routine Task Initiative team members are empowered to stop a job if uncertain of safety procedures. Subject Matter Expert teams have been developed for team members to contact with complicated task questions. Division Safety Teams are used for site safety. Cross divisional safety audits and divisional audit teams have been developed for area safety reviews. Potential Serious Injury or Fatality review teams have been developed to review safety incidents. These initiatives are broad in nature, cross functional and comprehensive in their inclusion of people.</p> <p>Near Miss Reporting is one element of our safety programs which benefits both the company and the team members. Team member reporting of near misses are without reprisal, and team members are encouraged to be involved with the corrective actions based on the Hierarchy of Controls. The best ideas come from the workers involved in the job. This idea has grown to include a See, Say, Do initiative, Each Other's Keeper programs, Non-Routine Task programs, Cross Divisional/Department Safety Walks and Good Catch Safety Alerts. We believe team member involvement is key to a solid safety culture.</p> <p>Steel Dynamics strategic focus encompasses the Six Pillars. The number one pillar is safety. Steel Dynamics pledges to provide a safe work environment for all team members, contractors and visitors. All injuries are preventable is instilled in all team members and all team members are encouraged to stop work if they feel a situation is unsafe. As a team, we are each others' keeper and therefore recognize that being aware of safety exposures in our surroundings and caring for the safety of fellow team members is a responsibility team members take seriously. Team members feel confident that safety concerns are addressed and corrective actions appropriate for the hazard.</p> <p>A standard Incident Management System is used at Steel Dynamics to record information pertinent to tracking safety related incidents. We employ highly skilled safety professionals for all divisions as a resource for management of division safety. As an incident communication tool, Safety Alerts are completed and distributed to inform divisions of a safety occurrence. These alerts are reviewed by each division for</p>	<p>2019 Sustainability Report pages 11-14</p>
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		<p>applicability and possible corrective action using the Hierarchy of Controls. Steel Dynamics maintains a Core Safety Group made up of Executives, Managers and Safety Directors. This team continually analyzes the safety culture of Steel Dynamics through monthly field visits and benchmarking and makes recommendations for safety direction and improvements to current policy and programs.</p>	
403-3: 2018	Occupational health services	<p>Our team members health and well-being are an integral part of our company's success. The occupational health team continues to expand with the growth of the company. Steel Dynamics employs occupational health nurses. The occupational health nurses are active in developing disease prevention programs. The nurses work with benefits and human resource team members to develop and implement these programs to enhance and improve health. The occupational health nurses advocate for the employee and assist safety with identifying hazards. The occupational health nurse works on elimination of those hazards and minimizing the risk going forward. The occupational health nurse manages the employee medical surveillance programs. Along with safety, the occupational health nurse identifies the employees that need to be in a medical program, assesses, tests, and manages those in the program.</p> <p>Steel Dynamics supports the occupational health nurses by supporting their licensure, continuing education, certification, memberships and includes them in their leadership development programs. Our occupational health nurses are available 24 hours a day 7 days a week. Our nurses are the first stage of employee illness and injury care in non-urgent situations. The nurses case manage occupational injuries and illnesses. Their role is to utilize exceptional healthcare providers, manage the case from start to finish, and assist in compliance with their treatment to facilitate a complete recovery.</p> <p>The organization has annual training for the occupational health nurses, human resources, and benefits team on Health Insurance Portability and Accountability Act and confidentiality. The organization ensures that personal health information related to the employee and their family is not shared or disclosed to other members of the organization. Our occupational nursing team follows federal, state, and local regulations. They work with our organization on compliance and the regulations and laws affecting the workers and the workplace.</p> <p>The occupational health nurses maintain confidentiality of the employees' personal information by utilizing an occupational health management single sign on system that is only accessible by the nurse team. The system is used for charting, documentation, work-related and not work-related illness and injury, and case management.</p> <p>The organization ensures that workers' personal health-related information and their participation in occupational health services is not used by anyone in the company to treat others differently. Our occupational health nurses that perform medical surveillance, wellness, occupational and nonoccupational services keep our employees' personal health information confidential. Their information is kept separate in our occupational health management system that is only accessed by our occupational health nurses. Our occupational health nurses keep the employees' health information that is</p>	2019 Sustainability Report pages 15-16

		discovered through the occupational health clinics private. The employee's health information is not shared with members of management, supervision or anyone else in the organization.	
403-4: 2018	Worker participation, consultation, and communication on occupational health and safety	<p>Leadership commitment is critical to a successful safety program. Steel Dynamics Board of Directors and senior leadership take pride in the fact there are numerous avenues for team members to participate and learn about safety. In addition to routine safety training and in-house safety audits, a Safety Alert system is used to expeditiously communicate Potentially Serious Injuries and relevant incidents to team members via company email. Good Catch and Best Practice Alerts are also created for team member recognition and sharing of information. Safety Alerts are discussed at daily toolbox talks along with other relevant safety topics. The Steel Dynamics Safety Calendar is a monthly guide for regulatory and company safety compliance. Subject Matter Expert teams, that often overlap with Steel Dynamics' Cardinal Lifesaving Rules or High-Risk Exposure areas, have been established with expert representatives from all operating platforms. These teams meet periodically and are a resource for all team members and serve as an internal network for those on the Subject Matter Expert teams. Hearing a safety story from the source can be very powerful. Steel Dynamics has developed "My Story-Our Safety" videos which highlight true safety incidents told by the actual team member involved. Divisional TV monitors are used to display Safety Alerts and safety initiatives. Incident investigations involve team members close to the source and recommendations of corrective action utilized in the Hierarchy of Controls. Steel Dynamics has divisional Safety Professionals and Platform Safety Directors, in addition to a Core Safety Group team, to participate and consult in the development and implementation of the safety management system.</p> <p>Steel Dynamics maintains a Core Safety Group team made up of representatives from all operating platforms. This team continually analyzes the safety culture of Steel Dynamics through monthly divisional field visits and benchmarking. Discussions for safety direction and improvements to current policy and programs are held with recommendations given to senior management. Divisional Safety Teams are composed of representatives from each work area. These teams meet periodically and help with hazard and high-risk exposure identification, abatement and site-specific safety issues. Divisional management area crosswalks are conducted with work area team members to talk with employees about their safety observations or concerns and to also identify hazards within other work areas in a division. These safety walks help our operations identify and control risks and raise awareness among our leaders as well as enhance our operational safety culture. Each divisional supervisor at Steel Dynamics conducts frequent personal one-on-one safety conversations with each team member. Personal growth and safety awareness are key components in these conversations.</p>	2019 Sustainability Report pages 9-16

403-5: 2018	Worker training on occupational health and safety	<p>OSHA regulated, company mandated, and job specific safety training is given to all applicable employees and contractors who work at Steel Dynamics. Employees start at Steel Dynamics with a comprehensive New Hire multiple day safety training with Job Shadowing, Job Safety Analysis and Standard Operating Procedures awareness. Throughout their career at Steel Dynamics, employees are given frequent refresher training on mandated health and safety topics. Through the value of PPE and Job Risk Assessments, both Steel Dynamics and contract employees receive Hazard Awareness training on job tasks.</p> <p>Many jobs within Steel Dynamics require special skills. The level of training and the complexity of that training is developed and given based on the needs of the employee. Job specific training is developed by knowledgeable and skilled professionals to ensure all aspects of the job are discussed and the employee is fully aware of the duties and safety concerns of the job.</p> <p>Steel Dynamics employs highly skilled Safety Professionals who are assigned to all divisions throughout the company. OSHA regulated, company mandated, and job specific safety training is given to applicable employees by knowledgeable trainers and/or electronic media. To ensure compliance with training, we maintain an annual Safety Calendar which guides all divisions in regulatory and company mandated training, in addition to its frequency. This calendar is updated annually by the Safety Directors to ensure changes to regulations are current. Specialized and skilled job training is given in-house or by third party subject experts, and interpreters or written materials are supplied if English is a second language.</p> <p>Steel Dynamics promotes and supports continuing education for its team members and their families. This value is prevalent within the daily workforce. All employees attending Steel Dynamics health and safety training are compensated for their time, to include time spent creating class materials and conducting training. External (off-site) approved training often includes tuition, books and travel compensation.</p> <p>Through the use of interactive, entertaining and informative training techniques, Steel Dynamics strives to educate its team members on health and safety topics. We believe that team members retain information when the subject matter is engaging and when group open discussions occur. Many health and safety training subjects have a knowledge test with a minimum pass rate. Retraining is conducted if the subject matter has not been comprehended. Additional verification of training comprehension is through supervisor field verifications.</p>	2019 Sustainability Report pages 10-15
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403-6: 2018	Promotion of worker health	<p>The occupational nurse team facilitates workers' access to non-occupational medical and healthcare services by providing resources and access to our insurance benefits. Our occupational health team educates our team members on our insurance programs and assists them in finding medical providers. Steel Dynamics also holds health and safety fairs at their locations. The locations invite safety and health vendors to educate team members about their services and ways to enhance the team member's well-being. Our company offers onsite presentations presented by our benefits and occupational health teams to assist in the utilization and participation of our insurance and benefit programs.</p> <p>Our people are our organization's biggest asset. We promote and provide health promotion and preventive care. Within the healthcare plan we offer programs that enhance and challenge our team members to participate and engage themselves in their healthcare. We offer biometric events, health challenges, a blog to share ideas, recipes, activities and encouragement, employee assistance program services, tobacco cessation program, health and safety fairs, and other events throughout the year to allow team members to earn incentives for their health savings account and complete their preventative care. We have initiated a Health Care Initiative Group to assist in looking at different programs that could bring change and increase engagement by our employee population. We use these services to address mental health, heart disease, diabetes, hypertension, obesity, high cholesterol, stroke, and other health risks that affect our employee population. Our goal is to engage, educate, support, and improve our team members' overall health and wellbeing.</p> <p>The organization has annual training for the occupational health nurses, human resources, and benefits team on HIPAA and confidentiality. The organization ensures that personal health information related to the employee and their family is not shared or disclosed to other members of the organization. Our occupational nursing team follows federal, state, and local regulations. They work with our organization on compliance and the regulations and laws affecting the workers and the workplace.</p> <p>The occupational health nurses maintain confidentiality of personal information by utilizing an occupational health management single sign on system that is only accessible by the nurse team. The system is used for charting, documentation, work-related and not work-related illness and injury, and case management.</p>	2019 Sustainability Report pages 15-16
403-7: 2018	Prevention and mitigation of occupational health and safety impacts directly linked by business relationships	<p>Steel Dynamics has established strong relationships with other organizations that have led to continuous evolution of our safety culture. We have hosted industry associations, industry peers, as well as our customers at our sites with transparency towards safety successes and challenges, while taking many safety focused benchmarking trips to companies within our industry and outside - all in an effort to continuously learn and advance our safety culture. Our Safety Professionals lead and participate in industry safety committees (Steel Manufacturers Association and Association for Iron &amp; Steel Technology), which produces a heavy exchange of ideas and innovation to reduce significant negative occupational health and safety impact. Our Subject Matter Expert teams often work with outside organizations to also seek the safest processes to incorporate into our operations.</p>	

403-8: 2018	Workers covered by an occupational health and safety management system	<p>100% of team members and contractors performing work within all of our facilities, including off-site locations where our team members are working, are expected to adhere to the company safety and health management system. No workers, workplaces or activities are excluded.</p> <p>Steel Dynamics internally audits the performance of operating divisions against the safety management system on a periodic basis. Not every division is audited every year, but no division is excluded in the rotation.</p> <p>Steel Dynamics does not require external audits of its operating divisions. However, some of our divisions have elected to pursue various certifications that may involve an external audit to verify compliance with the safety management system. Examples include the OSHA SHARP (Safety &amp; Health Achievement Recognition Program) as well as OHSAS 18001 (Occupational Health and Safety Assessment Series).</p> <p>No employees or contractors are excluded from this disclosure.</p>	2019 Sustainability Report pages 11-15																																												
403-9: 2018	Work-related injuries	<p>We follow the United States Occupational Safety and Health Administration standard 1904 when recording and reporting statistics. The statistics provided are for employees and workers whose work is supervised by Steel Dynamics. The main types of injuries were sprains/strains, lacerations, and fractures.</p> <p>The following is a summary of our safety statistics (all calculations have been based upon 200,000 hours):</p> <table border="1"> <thead> <tr> <th></th> <th>2017</th> <th>2018</th> <th>2019</th> </tr> </thead> <tbody> <tr> <td>Days away from work rate</td> <td>0.33</td> <td>0.25</td> <td>0.33</td> </tr> <tr> <td>Occupational disease rate</td> <td>0.00</td> <td>0.00</td> <td>0.00</td> </tr> <tr> <td>Severity rate</td> <td>14.2</td> <td>10.4</td> <td>12.2</td> </tr> <tr> <td>High-consequence work-related injuries</td> <td>6</td> <td>4</td> <td>5</td> </tr> <tr> <td>High-consequence rate</td> <td>0.07</td> <td>0.04</td> <td>0.05</td> </tr> <tr> <td>Fatalities</td> <td>0</td> <td>0</td> <td>1</td> </tr> <tr> <td>Fatality rate</td> <td>0.00</td> <td>0.00</td> <td>0.01</td> </tr> <tr> <td>Total recordable injuries</td> <td>129</td> <td>157</td> <td>176</td> </tr> <tr> <td>Total recordable injury rate</td> <td>1.5</td> <td>1.8</td> <td>1.9</td> </tr> <tr> <td>Total hours worked (millions)</td> <td>17.0</td> <td>17.9</td> <td>18.4</td> </tr> </tbody> </table> <p>All team members are included in this disclosure. Steel Dynamics utilizes an incident management system to track all incidents in the company. This system is the source of all data reported and underlying calculations. With regard to working conditions (occupational safety), there are no gender-specific differences. Therefore, no gender-specific analysis is currently published and none is planned for the future.</p> <p>Significant injury and fatality prevention have been and continues to be an area of focus. Through benchmarking and collaboration with other leading safety organizations, we have identified 11 hazards in our work environment that could lead to a high-</p>		2017	2018	2019	Days away from work rate	0.33	0.25	0.33	Occupational disease rate	0.00	0.00	0.00	Severity rate	14.2	10.4	12.2	High-consequence work-related injuries	6	4	5	High-consequence rate	0.07	0.04	0.05	Fatalities	0	0	1	Fatality rate	0.00	0.00	0.01	Total recordable injuries	129	157	176	Total recordable injury rate	1.5	1.8	1.9	Total hours worked (millions)	17.0	17.9	18.4	2019 Sustainability Report pages 10
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		<p>consequence injury. These hazards are: Lifting/Rigging, Hazardous Energy, Caught-In/Between, Struck-By/Moving Equipment, Fall Exposure, Atmospheric Hazard, Fire, Hot Metal, Dropped/Falling Object, Power Tools, and Explosion/Projectiles. Each incident with high-consequence potential is thoroughly investigated for root cause and contributing factors. Action items are developed with the Hierarchy of Controls as a strong consideration for potential solutions. We aim to have at least one “upper-half” Hierarchy of Control corrective action for each incident with “upper-half” being defined as Elimination, Substitution, or Engineering Control. In circumstances in which this is not practical, we aim for redundant Administrative Controls.</p> <p>Workers who are not under direct supervisory control by Steel Dynamics do not have recordable injuries by type and total recordable injury rate tracked by us. Onsite contractors and suppliers are informed about occupational health and safety precautions before beginning their work. All contractors operating on our premises attest to comprehensive safety programs within their own organizations. Additional programs may need to be verified depending on the scope of work being performed. This helps ensure safety for all individuals operating on our sites. Steel Dynamics does not presently have a system in place to track the number injuries or work hours for non-employees (contract employees). We know that there were no contractors fatally injured at any of our facilities during 2017, 2018, or 2019.</p>	
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### ***Social Disclosures – Training and Education***

<b>Standard</b>	<b>Name</b>	<b>Steel Dynamics Disclosure</b>	<b>Reference</b>
103 - 1, 2, 3	Management Approach	<p>We recognize that the skills and knowledge of our team members is critical to our success. Our educational assistance program encourages personal development through formal education, so that team members can maintain and improve job-related skills.</p> <p>Our goal is to provide team members with education and training that can enhance their current responsibilities and provide opportunities for advancement. Steel Dynamics provides career growth and development opportunities to team members throughout the company at many levels. As our company grows, building talent for the future remains our focus.</p> <p>Feedback on the various training programs offered is provided formally via anonymous surveys and informally through conversation. The feedback is utilized to adjust future trainings.</p>	2019 Sustainability Report page 19
404-2	Programs for upgrading employee skills and transition assistance programs	<p>We offer a comprehensive benefits package including a retirement savings plan that concentrates on retirement readiness. Services include group and individual retirement meetings covering topics from early career savings to near and after retirement planning. Also provided is a healthcare concierge service, that assists in identifying and enrolling in healthcare post-employment.</p>	2019 Sustainability Report page 19