

2021Sustainability Disclosure & GRI Index

Dear Mosaic Stakeholders

At Mosaic, our mission is to help the world grow the food it needs. To all of us — from mine to plant to office to board room; in Esterhazy, Uberaba, Carlsbad, Bartow, Gurugram — our mission is motivating, a source of pride, and the foundation for everything we do. Fertilizers account for about half of all crop yields, so we are acutely aware that our work is essential: We make the nutrients that help the world's farmers nourish an ever-hungrier world.

We also are acutely aware that our ability to continue this critical work depends on our meeting the expectations of myriad stakeholders—shareholders, employees, communities, governments, non-government organizations and many more. Responsible operation is more than a catch phrase at Mosaic; in fact, it is one of the six pillars of our strategy.

When farmers in Matto Grosso, Brazil apply Mosaic's MicroEssentials® performance product to their soybean fields, they are using minerals that came from earth in Central Florida, where the ore was then transformed through chemical processes into fertilizer. From there it was moved by rail, then by ocean-going vessel, then by truck. Along that journey, we extract resources, consume materials, generate emissions and use water. These are incontrovertible facts.

At Mosaic, we think of sustainability in its broadest sense — the ability to sustain our business. For us, as an extractive company, our first priority is continually improving our environmental performance. We were among the first companies in our industry to establish numeric targets. In 2015, we committed to reduce our Scope 1 and 2 greenhouse gas emissions and freshwater use. In 2020, we strengthened those commitments, from our original 10 percent reduction goals to 20 percent per tonne of product by 2025.

In 2021, we went a step further: We committed to reach net zero emissions in our Florida operations by 2030 and for the entire enterprise by 2040. We have clear paths to meet these commitments, through absolute reductions at our plants and mines, and by absorbing more carbon through afforestation of our extensive land holdings.

While environmental performance is Job One in our sustainability program, it is by no means our sole focus. We are a longtime signatory of the United Nations Global Compact, and support and protect its 10 universal principles. Our 2025 targets included, for the first time, a broad range of social and governance targets, and I am pleased to report that we are making solid progress toward each of them — as this year's Global Reporting Initiative disclosures make clear.

2021Sustainability Disclosure & GRI Index

Our social and governance targets include a commitment to reach 25 million acres of farmland using 4R nutrient stewardship best practices; advancing risk reduction to drive employee safety; increasing Canadian indigenous representation in community investments, new hires and procurement; and eliminating significant environmental incidents, among others.

We further bolstered our social commitments with aggressive new diversity and inclusion targets in 2021. By 2030, we plan to increase under-represented groups in our workforce by 30 percent, reach 30 percent women in our global workforce, invest 30 percent of our community funds in diversity and inclusion-related efforts, and grow our leadership diversity by 30 percent.

The full range of Mosaic's environmental, social and governance performance targets are meant to drive action — to entice workers at all levels of the organization to improve for the short and long term, to generate and apply ideas, to embrace diversity.

The global business of fertilizer is inherently volatile and cyclical. A great many factors impact Mosaic's financial performance, from weather in every agricultural region of the world to farmer economics, from operational challenges to geopolitical events. Fertilizer prices reached 10-year highs in 2022 as a result of very strong global demand and food supply disruptions (which, in turn, were exacerbated by Russia's invasion of Ukraine and international sanctions on Belarus). These factors drove strong financial performance for Mosaic.

We know the cycle will change — but our commitments to act responsibly will not. We will work to optimize our operations. We will continue to invest in our communities, just as we did when our financial performance was under pressure. We will keep driving for better environmental performance. We will enact our plans to build a more diverse and inclusive workforce. We will continue to prioritize workplace safety.

At Mosaic, we help feed the world. It's a noble mission, and we are fully capable of achieving it. We know that earning the right to do this vital work requires responsible operation and excellent sustainability performance, and we will always push ourselves to do better.

Sincerely,

Joc O'Rourke

President and Chief Executive Officer

The Mosaic Company

2021Sustainability Disclosure & GRI Index

Environmental, Social and Governance (ESG) Performance Targets

We believe that for our business to thrive in the long-term, we must be good stewards of the natural, human and financial resources we rely upon to execute our mission to help the world grow the food it needs. It is both a responsibility and an opportunity. One of the ways we hold ourselves accountable to making measurable progress is through annual reporting on our Environmental, Social and Governance (ESG) Performance Targets. We are proud of this work and what it represents for our diverse constituents, and we feel simultaneously challenged and invigorated by what lies ahead. Our targets are only one of the ways we are acting responsibly, which is one of our strategic priorities. We encourage our stakeholders to view the entire sustainability disclosure for more information about our leadership in this area.

See all of our ESG Performance Targets on the following page >>

Environmental, Social and Governance (ESG) Performance Targets

Click on the card to view more content within this document.



SOCIETY

Engage suppliers and service providers in key ESG areas

Assessed feasibility of a supplier diversity initiative, studying > \$1B in spend for diverse ownership and company diversity & inclusion programs





Increase indigenous representation in

Realized 6% in procurement spending; 19% workforce new hires; 18% in community investments

Canada by 15%





Empower farmers to reduce environmental impacts

Reached overage of 10 million acres in North America, representing an increase of 3 million acres since 2020





Achieve 30% performance

product sales

Realized sales of performance products equivalent to more than 30% of total phosphate and potash crop nutrient tonnes produced





Focus 30% of community giving on diversity & inclusion

Target announced in February 2022; reporting will begin in 2023





ENVIRONMENT

Enact global governance for tailings management

Formalized a governance structure to align dam risk management programs against a global standard





ENVIRONMENT

Reduce freshwater use by 20% per tonne of product

Achieved 18% reduction since baseline year, representing a 2% reduction since 2020





ENVIRONMENT

Reduce GHG emissions by 20% per tonne of product

Achieved 11% reduction since baseline year; 2% reduction since 2020





ENVIRONMENT

Eliminate significant incidents

Continued the trend toward our goal of zero incidents, strengthening a culture of environmental performance and improving tracking across our operations





ENVIDONMEN

Achieve net-zero emissions in Florida, U.S.

Target announced in December 2021; reporting will begin in 2023





ENVIDONMENT

Achieve net-zero emissions companywide

Target announced in December 2021; reporting will begin in 2023





Define & track metrics, address diversity & gender needs

Defined KPIs and announced four new global targets to support our D01 journey. We will retire this target as we track progress toward new targets.





Advance risk reduction, drive health & safety performance

Exceeded our risk reduction targets, and more than 25% focused on reducing environment or sustainability risks





Implement worker wellness programs

Rolled out a companywide worker wellness program, enhanced employee assistance programs and trained 17% of global workforce on psychological wellness





Create systems for capturing, reporting volunteer hours

Tracked 13,000 volunteer hours globally, benefitting 900 organizations. This target is complete and will be retired.





Update our commitment to inclusion, engage employees

Planned for completion with inputs from listening exercise and takeaways from D&I training





Have women representing 30% of our workforce

Target announced in February 2022; reporting will begin in 2023





Have 30% growth in underrepresented groups in the workplace

Target announced in February 2022; reporting will begin in 2023





Reach 30% growth in leadership diversity

Target announced in February 2022; reporting will begin in 2023



2021 GRI Content Index

General Standard Disclosures

STANDARD TITLE	GENERAL DISCLOSURE	PAGE (OR LINK)	EXTERNAL ASSURANCE	DISCLOSURE
GRI 101: FOUNDATION 2016				
Organization	al Profile			
GRI 102:	102-1	The Mosaic Company	-	Name of the organization
General Disclosures	102-2	PDF pg. 15	-	Primary brands, products, and services
2016	102-3	Tampa, Florida	-	Location of the organization's headquarters
	102-4	2021 10-K pg. F-45 and PDF pg. 16	-	Number of countries where the organization operates, and names of countries where either the organization has significant operations or that are specifically relevant to the sustainability topics covered in the report
	102-5	2021 10-K pg. 1	-	Nature of ownership and legal form
	102-6	2021 10-K pgs. 1-2, F-85	-	Markets served
	102-7	<mark>2021 10-K</mark> pgs. 17, F-5, F-9 – F-14	-	Scale of the organization
		For a list of our locations (70 as of the date of this report), please see our website.		
	102-8	PDF pg. 16	-	Number of employees
	102-9	2021 10-K pgs. 14-17, Mine-to-Market Value and PDF pg. 17	-	Description of the organization's supply chain
	102-10	PDF pg. 18	-	Significant changes during the reporting period regarding the organization's size, structure, ownership, or its supply chain
	102-11	Mosaic addresses the precautionary principle through the organization's management of risk. Please see our Proxy Statement, pg. 20 for more information.	-	How the precautionary approach or principle is addressed by the organization
		In 2013, Mosaic submitted our first United Nations Global Compact (UNGC) Communication on Progress, affirming our commitment to operate according to the UNGC's 10 universal principles, including Principle Seven, which states, "Businesses should support a precautionary approach to environmental challenges."		
	102-12	PDF pg. 19	-	Externally developed economic, environmental and social charters, principles, or other initiatives to which the organization subscribes or which it endorses
	102-13	PDF pgs. 19-20	-	Memberships of associations (such as industry associations) and national or international advocacy organizations

STANDARD TITLE	GENERAL DISCLOSURE	PAGE (OR LINK)	EXTERNAL ASSURANCE	DISCLOSURE
Strategy				
GRI 102:	102-14	CEO Message	-	CEO Message
General Disclosures 2016	102-15	Factors affecting our market, including impacts and risks, are summarized within Mosaic's 2021 10-K, pgs. 21-34.	-	Key impacts, risks, and opportunities
		Key opportunities are discussed in our 2021 CDP Climate Change Response, pg. 15, and 2021 10-K.		
Ethics and In	tegrity			
GRI 102: General	102-16	PDF pg. 21	-	Organization's values, principles, standards and norms of behavior such as codes of conduct and codes of ethics
Disclosures 2016	102-17	PDF pg. 21	-	Mechanisms for advice and concerns about ethics
Governance				
GRI 102:	102-18	Proxy Statement, pgs. 19-20	-	Governance structure of the organization
General Disclosures 2016	102-20	Environmental, Health, Safety and Sustainable Development Committee Charter, pg. 2 and PDF pg. 22		Whether the organization has an executive-level position with responsibility for economic, environmental and social topics, and whether post holder reports directly to the highest governance body
	102-21	Communications with the Board of Directors Policy	-	Process for consultation between stakeholders and the Board of Directors
	102-22	Proxy Statement, pgs. 21-24	-	Composition of Board of Directors and its committees
	102-23	Gregory L. Ebel is the chair of our Board of Directors. He is an independent director and not an executive officer of the company. This information is accurate as of December 31, 2021. Proxy Statement, pg. 24		Chair of highest governance body
	102-24	Proxy Statement, pg. 17	-	Nomination and selection processes for the Board of Directors and its committees
	102-25	Proxy Statement, pg. 26	-	Processes for the Board of Directors to avoid conflicts of interes
	102-28	Proxy Statement, pg. 25	=	Processes for evaluating the Board's performance
	102-29	Proxy Statement, pg. 20	-	The Board's role in identification and management of impacts, risks and opportunities
	102-31	2021 CDP Climate Change Response	-	Frequency of the Board's review of economic, environmental and social impacts, risks, and opportunities
	102-33	Proxy Statement, pgs. 25-26	-	Process for communicating critical concerns to the Board of Directors
	102-35	Proxy Statement, pgs. 27-28	-	Compensation policies for the Board and Senior Leadership Team
	102-37	Communications with the Board of Directors Policy	-	Process for considering stakeholder views on compensation policies

STANDARD TITLE	GENERAL DISCLOSURE	PAGE (OR LINK)	EXTERNAL ASSURANCE	DISCLOSURE	SASB DISCLOSURI
Stakeholder	Engageme	nt			
GRI 102: General	102-40	PDF pg. 23	-	List of stakeholder groups engaged by the organization	
Disclosures 2016	102-41	PDF pg. 24	-	Percentage of total employees covered by collective bargaining agreements	EM-MM-310a.
	102-42	PDF pg. 23	-	Basis for identification and selection of stakeholders with whom to engage	
	102-43	PDF pg. 23	-	Organization's approach to stakeholder engagement	
	102-44	PDF pg. 23	-	Key topics and concerns that have been raised through stakeholder engagement	
Reporting Pr	actice				
GRI 102: General	102-45	2021 10-K and PDF pg. 27	-	Entities included in the organization's consolidated financial statements or equivalent documents	
Disclosures 2016	102-46	PDF pg. 24	-	The process for defining the report content and the Aspect Boundaries	
	102-47	PDF pg. 24	-	Material Aspects identified in the process for defining report content	
	102-48	PDF pg. 27	-	Restatements of information	
	102-49	PDF pg. 27	-	Significant changes from previous reporting periods in the Scope and Aspect Boundaries	
	102-50	January 1, 2021– December 31, 2021	-	Reporting period	
	102-51	June 2021	-	Date of most recent previous report	
	102-52	Annual	=	Reporting cycle	
	102-53	Benjamin Pratt, Senior Vice President, Corporate Public Affairs	-	Contact point for questions regarding the report or its contents	
	102-54	This report has been prepared in accordance with the GRI Standards: core option. PDF pg. 27	-	Claims of reporting in accordance with the GRI standards	
	102-56	External assurance, where available, is noted in this Content Index.	-	External assurance policy	
		PDF pg. 27			
Material Top	ic Pepertine	f			
•				For least the after the desired to the state of the state	
GRI 103: Management Approach	103-1	PDF pgs. 24-26 The remainder of	=	Explanation of material topic and its boundary	
2016		management approach (MA) for each material topic is included within the respective topic section.			

STANDARD TITLE Category: Ed		PAGE (OR LINK)	OMISSIONS	EXTERNAL ASSURANCE	DESCRIPTION	UNGC COP OR FAB PRINCIPLE	SASB DISCLOSURE
MATERIAL TOPIC:		REORMANCE					
GRI 103: Management	103-1	PDF pgs. 24-26		-	Explanation of material topic and its boundary		
Approach 2016	103-2	PDF pg. 28		-	Management approach and its components		
	103-3	PDF pg. 28		-	Evaluation of management approach		
GRI 201: Economic	201-1	PDF pgs. 29-30		-	Direct economic value generated and distributed		
Performance 2016	201-2	PDF pg. 31		-	Financial implications and other risks and opportunities for the organization's activities due to climate change		
	201-3	2021 10-K pg. F-74 and PDF pgs. 31-32		-	Coverage of the organization's defined benefit plan obligations		
	201-4	PDF pg. 32		-	Financial assistance received from government		
MATERIAL TOPIC: I		ENCE					
GRI 103: Management Approach 2016	103-1	PDF pgs. 24-26		-	Explanation of material topic and its boundary		
	103-2	PDF pg. 33		-	Management approach and its components		
	103-3	PDF pg. 33		-	Evaluation of management approach		
GRI 202: Market Presence	202-1	PDF pg. 34		-	Ratios of standard entry-level wage by gender compared to local minimum wage at significant locations of operation		
2016	202-2	PDF pg. 34		-	Proportion of senior management hired from the local community at significant locations of operation		
MATERIAL TOPIC: I	NDIRECT ECON	NOMIC IMPACTS					
GRI 103: Management	103-1	PDF pgs. 24-26		-	Explanation of material topic and its boundary		
2016	103-2	PDF pg. 33		-	Management approach and its components		
	103-3	PDF pg. 33		-	Evaluation of management approach		
GRI 203: Indirect	203-1	PDF pgs. 35-36		-	Development and impact of infrastructure investments and services supported		
Economic Impacts 2016	203-2	PDF pgs. 37-38		-	Significant indirect economic impacts, including the extent of impacts		
MATERIAL TOPIC: F	PROCUREMENT	F PRACTICES					
GRI 103: Management	103-1	PDF pgs. 24-26		-	Explanation of material topic and its boundary		
Approach 2016	103-2	PDF pg. 33		-	Management approach and its components		
	103-3	PDF pg. 33		-	Evaluation of management approach		
GRI 204: Procurement Practices 2016	204-1	PDF pg. 38		-	Proportion of spending on local suppliers at significant locations of operation		

STANDARD TITLE	MA AND INDICATORS	PAGE (OR LINK)	OMISSIONS	EXTERNAL ASSURANCE	DESCRIPTION	UNGC COP OR FAB PRINCIPLE	SASB DISCLOSURE
Category: Ed	conomic (continued)					
MATERIAL TOPIC:	ANTI-CORRUPT	TION					
GRI 103: Management	103-1	PDF pgs. 24-26		-	Explanation of material topic and its boundary		
Approach 2016	103-2	PDF pg. 39		-	Management approach and its components		EM-MM-510a.1
	103-3	PDF pg. 39		-	Evaluation of management approach		
GRI 205: Anti- Corruption	205-1	PDF pg. 39		-	Total number and percentage of operations assessed for risks related to corruption and the significant risks identified	10	EM-MM-510a.2
2016	205-2	PDF pg. 40		-	Communication and training on anti- corruption policies and procedures	10	
	205-3	PDF pg. 40		-	Confirmed incidents of corruption and actions taken	10	
MATERIAL TOPIC:					Evaluation of rectariotania and its		
GRI 103: Management	103-1	PDF pgs. 24-26		-	Explanation of material topic and its boundary		
Approach 2016	103-2	PDF pg. 39		-	Management approach and its components		
	103-3	PDF pg. 39		-	Evaluation of management approach		
GRI 206: Anti- Competitive Behavior 2016	206-1	PDF pg. 40		-	Total number of legal actions for anti- competitive behavior, anti-trust, and monopoly practices and their outcomes		

STANDARD TITLE	MA AND INDICATORS	PAGE (OR LINK)	OMISSIONS	EXTERNAL ASSURANCE	DESCRIPTION	UNGC COP OR FAB PRINCIPLE	SASB DISCLOSURE
Category: Er	nvironmer	ıtal					
MATERIAL TOPIC: N	MATERIALS						
GRI 103: Management	103-1	PDF pgs. 24-26		-	Explanation of material topic and its boundary		
Approach 2016	103-2	PDF pg. 41		-	Management approach and its components		
	103-3	PDF pg. 41		-	Evaluation of management approach		
GRI 301:	301-1	PDF pg. 41		-	Materials used by weight or volume		
Materials 2016	301-2	PDF pg. 41		-	Percentage of materials used that are recycled input materials	7	
	301-3	PDF pg. 41		-	Percentage of products sold and their packaging materials that are reclaimed by category		
MATERIAL TOPIC: E	ENERGY						
GRI 103: Management Approach 2016	103-1	PDF pgs. 24-26		-	Explanation of material topic and its boundary		
	103-2	PDF pg. 42		-	Management approach and its components		
	103-3	PDF pg. 42		=	Evaluation of management approach		
GRI 302: Energy 2016	302-1	PDF pgs. 47-49		+/Assurance Statement	Energy consumption within the organization		RT-CH-130a.1; EM-MM-130a.1
	302-2		Energy consumed outside the organization is currently unavailable. We report GHG emissions associated with various sources in 305-3 and continue to collaborate with vendors and contractors to quantify the amount of energy consumed outside the organization.	-	Energy consumption outside of the organization		
	302-3	PDF pg. 49		-	Energy intensity		
	302-4	PDF pg. 49		-	Reduction of energy consumption Reductions in energy requirements of	7, 8, 9	
	302-5			-	products and services	1, 8, 9	

STANDARD TITLE	MA AND INDICATORS	PAGE (OR LINK)	OMISSIONS	EXTERNAL ASSURANCE	DESCRIPTION	UNGC COP OR FAB PRINCIPLE	SASB DISCLOSURE
Category: E	nvironmer	ntal (contin	ued)				
MATERIAL TOPIC: \	WATER						
GRI 103: Management	103-1	PDF pgs. 24-26		-	Explanation of material topic and its boundary		
Approach 2016	103-2	PDF pg. 42		-	Management approach and its components		
	103-3	PDF pg. 42		-	Evaluation of management approach		
GRI 303: Water 2016	303-1	PDF pg. 45		+/Assurance Statement	Total water withdrawal by source		RT-CH-140a.1; EM-MM-140a.1
	303-2	PDF pg. 46		-	Water sources significantly affected by withdrawal of water	7	
	303-3	PDF pg. 46		-	Total volume of water recycled and reused		
MATERIAL TOPIC: I	BIODIVERSITY						
GRI 103: Management Approach	103-1	PDF pgs. 24-26		-	Explanation of material topic and its boundary		
2016	103-2	PDF pg. 43		-	Management approach and its components		
	103-3	PDF pg. 43		-	Evaluation of management approach		
GRI 304: Biodiversity 2016	304-1	PDF pg. 54		-	Operational sites owned, leased, managed in, or adjacent to, protected areas and areas of high biodiversity value outside protected areas		EM-MM-160a.1; EM-MM-160a.3
	304-2	PDF pg. 55		-	Description of significant impacts of activities, products, and services on biodiversity in protected areas and areas of high biodiversity value outside protected areas	7, 8	EM-MM-160a.1
	MM1	PDF pg. 56		-	Land disturbed or rehabilitated	7	
	MM2	PDF pg. 56		-	Number and percentage of sites identified as requiring biodiversity management plans	7	
	304-3	PDF pg. 57		-	Habitats protected or restored	7, 8	
	304-4	PDF pgs. 58-59		-	Total number of IUCN Red List species and national conservation list species with habitats in areas affected by operations, by level of extinction risk	7	
MATERIAL TOPIC: I							
GRI 103: Management Approach	103-1	PDF pgs. 24-26		-	Explanation of material topic and its boundary		
2016	103-2	PDF pg. 43		-	Management approach and its components		
	103-3	PDF pg. 43		-	Evaluation of management approach		
GRI 305: Emissions 2016	305-1	PDF pg. 50		+/Assurance Statement	Direct greenhouse gas (GHG) emissions (Scope 1)	7, 8	EM-MM-110a.1; EM-MM-110a.2 RT-CH-110a.1
_3.0	305-2	PDF pg. 50		+/Assurance Statement	Energy indirect greenhouse gas (GHG) emissions (Scope 2)	7	
	305-3	PDF pg. 50		+/Assurance Statement	Other indirect greenhouse gas (GHG) emissions (Scope 3)	7	EM-MM-110a.2
	305-4	PDF pg. 51		-	Greenhouse gas (GHG) emissions intensity	7	EM-MM-110a.2; RT-CH-110a.2
	305-5	PDF pg. 52		-	Reduction of greenhouse gas (GHG) emissions	7, 9	
	305-7	PDF pg. 53		-	NO _x , SO ₂ and other significant air emissions		RT-CH-120a.1; EM-MM-120a.1

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Category: Er	nvironmer	ıtal (contin	ued)				
MATERIAL TOPIC: E	FFLUENTS AN	D WASTE					
GRI 103: Management	103-1	PDF pgs. 24-26		-	Explanation of material topic and its boundary		
Approach 2016	103-2	PDF pg. 44		-	Management approach and its components		
	103-3	PDF pg. 44		=	Evaluation of management approach		
GRI 306: Effluents	306-1	PDF pg. 59		-	Total water discharge by quality and destination		
and Waste 2016	306-2	PDF pg. 61		+/Assurance Statement	Total weight of waste by type and disposal method	7	RT-CH-150a.1
	306-3	PDF pg. 63		-	Total number and volume of significant spills		
	ММЗ	PDF pg. 62		-	Overburden, rock, tailings and sludge		EM-MM-150a.1 EM-MM-150a.2
	306-4	PDF pg. 61		-	Weight of transported, imported, exported, or treated waste deemed hazardous under the terms of the Basel Convention Annex I, II, III, and VIII, and percentage of transported waste shipped internationally		
	306-5	PDF pgs. 59-60		-	Identity, size, protected status, and biodiversity value of water bodies and related habitats significantly affected by the organization's discharges of water and runoff		
MATERIAL TOPIC: E			Ē				
GRI 103: Management Approach	103-1	PDF pgs. 24-26		-	Explanation of material topic and its boundary		
2016	103-2	PDF pg. 44		-	Management approach and its components		RT-CH-140a.3
	103-3	PDF pg. 44		-	Evaluation of management approach		
GRI 307: Environmental Compliance 2016	307-1	PDF pg. 63		-	Monetary value of significant fines and total number of non-monetary sanctions for non-compliance with environmental laws and regulations		RT-CH-140a.2 EM-MM-140a.
MATERIAL TORICO	NIDDI IED ENVI	DONMENTAL AS	CCECCMENT				
MATERIAL TOPIC: S			SI-SSIVIEWI		Evaluation of makerial basis and the		
GRI 103: Management Approach	103-1	PDF pgs. 24-26		-	Explanation of material topic and its boundary		
2016	103-2	PDF pg. 63		-	Management approach and its components		
	103-3	PDF pg. 63		-	Evaluation of management approach		
GRI 308: Supplier Environmental Assessment 2016	308-2	PDF pg. 63		-	Significant actual and potential negative environmental impacts in the supply chain and action taken		

	MA AND INDICATORS	PAGE (OR LINK)	OMISSIONS	EXTERNAL ASSURANCE	DESCRIPTION	UNGC COP OR FAB PRINCIPLE	SASB DISCLOSUR
Category: So	ocial						
MATERIAL TOPIC: I	MPLOYMENT						
GRI 103: Management	103-1	PDF pgs. 24-26		-	Explanation of material topic and its boundary		
Approach 2016	103-2	PDF pg. 64		-	Management approach and its components		
	103-3	PDF pg. 64		-	Evaluation of management approach		
GRI 401: Employment 2016	401-1	PDF pg. 65		-	Total number and rates of new employee hires and employee turnover by age group, gender and region		
	401-2	PDF pg. 66		-	Benefits provided to full-time employees that are not provided to temporary or part-time employees, by significant locations of operation		
	401-3	PDF pg. 67		-	Return to work and retention rates after parental leave, by gender		
MATERIAL TOPIC: I	ABOR/MANAG	EMENT RELATIONS	s				
GRI 103: Management Approach 2016	103-1	PDF pgs. 24-26		-	Explanation of material topic and its boundary		
	103-2	PDF pg. 64		-	Management approach and its components		
	103-3	PDF pg. 64		-	Evaluation of management approach		
GRI 402: Labor/ Management	402-1	PDF pg. 67		-	Minimum notice periods regarding operational changes, including whether these are specified in collective agreements	3	
Relations 2016	MM4	PDF pg. 68		-	Number of strikes and lock-outs exceeding one week's duration, by country		EM-MM-310
MATERIAL TOPIC: (OCCUPATIONAL	L HEALTH AND SAF	ETY				
GRI 103: Management Approach	103-1	PDF pgs. 24-26		-	Explanation of material topic and its boundary		
2016	103-2	PDF pg. 70		-	Management approach and its components		
	103-3	PDF pg. 70			Evaluation of management approach		
GRI 403: Occupational	403-1	PDF pg. 70		-	Occupational health and safety management system	3	
Health and Safety 2018	403-2	PDF pg. 71		-	Hazard identification, risk assessment, and incident investigation		
	403-3	PDF pg. 71		-	Occupational health services		
	403-4	PDF pg. 71		-	Worker participation, consultation, and communication on occupational health and safety		
	403-5	PDF pg. 72		-	Worker training on occupational health and safety		
	403-6	PDF pg. 72		-	Promotion of worker health		
	403-7	PDF pg. 73		-	Prevention and mitigation of occupational health and safety impacts directly linked by business relationships		
	403-8	PDF pg. 70		-	Workers covered by an occupational health and safety management system		
	403-9	PDF pg. 73		-	Work-related injuries		EM-MM-320 RT-CH-320a
	403-10	PDF pg. 74		-	Work-related ill health		RT-CH-320a RT-CH-320a

STANDARD TITLE			OMISSIONS	EXTERNAL ASSURANCE	DESCRIPTION	UNGC COP OR FAB PRINCIPLE	SASB DISCLOSUR
Category: So	ocial (cont	inued)					
MATERIAL TOPIC: 1	RAINING AND	EDUCATION					
GRI 103: Management	103-1	PDF pgs. 24-26		-	Explanation of material topic and its boundary		
Approach 2016	103-2	PDF pg. 75		-	Management approach and its components		
	103-3	PDF pg. 75		=	Evaluation of management approach		
GRI 404: Training and Education	404-1	PDF pg. 75		-	Average hours of training per year per employee by gender, and by employee category	6	
2016	404-2	PDF pg. 76		-	Programs for skills management and lifelong learning that support the continued employability of employees and assist them in managing career endings	6	
	404-3	PDF pg. 76		-	Percentage of employees receiving regular performance and career development reviews, by gender and by employee category		
MATERIAL TOPIC: D	DIVERSITY AND	FOUAL OPPOR	TUNITY				
GRI 103: Management Approach 2016	103-1	PDF pgs. 24-26		-	Explanation of material topic and its boundary		
	103-2	PDF pg. 64		-	Management approach and its components		
	103-3	PDF pg. 64		-	Evaluation of management approach		
GRI 405: Diversity and Equal Opportunity 2016	405-1	PDF pg. 68		-	Composition of governance bodies and breakdown of employees per employee category according to gender, age group, minority group membership, and other indicators of diversity		
	405-2	PDF pg. 69		-	Ratio of basic salary and remuneration of women to men by employee category, by significant locations of operation		
MATERIAL TOPIC: N	ION-DISCRIMII	NATION					
GRI 103: Management	103-1	PDF pgs. 24-26		-	Explanation of material topic and its boundary		
Approach 2016	103-2	PDF pg. 77		-	Management approach and its components		
	103-3	PDF pg. 77		-	Evaluation of management approach		
GRI 406: Non- discrimination 2016	406-1	PDF pg. 77		-	Total number of incidents of discrimination and corrective actions taken	1, 2, 6	
MATERIAL TOPIC: F	REEDOM OF A	SSOCIATION AN	D COLLECTIVE B	ARGAINING			
GRI 103: Management	103-1	PDF pgs. 24-26		-	Explanation of material topic and its boundary		
Approach 2016	103-2	PDF pg. 77		-	Management approach and its components		
	103-3	PDF pg. 77		-	Evaluation of management approach		
GRI 407: Freedom of Association and Collective Bargaining 2016	407-1	PDF pg. 77		-	Operations and suppliers identified in which the right to exercise freedom of association and collective bargaining may be violated or at significant risk, and measures taken to support these rights		

STANDARD TITLE	MA AND INDICATORS	PAGE (OR LINK)	OMISSIONS	EXTERNAL ASSURANCE	DESCRIPTION	UNGC COP OR FAB PRINCIPLE	SASB DISCLOSURE
Category: So	ocial (cont	tinued)					
MATERIAL TOPIC: C	CHILD LABOR						
GRI 103: Management	103-1	PDF pgs. 24-26		-	Explanation of material topic and its boundary		
Approach 2016	103-2	PDF pg. 77		-	Management approach and its components		
	103-3	PDF pg. 77		-	Evaluation of management approach		
GRI 408: Child Labor 2016	408-1	PDF pg. 78		-	Operations and suppliers identified as having significant risk for incidents of child labor, and measures taken to contribute to the effective abolition of child labor	1, 2, 5	
MATERIAL TOPIC: F			BUR				
GRI 103: Management Approach	103-1	PDF pgs. 24-26		-	Explanation of material topic and its boundary		
2016	103-2	PDF pg. 77		-	Management approach and its components		
	103-3	PDF pg. 77		-	Evaluation of management approach		
GRI 409: Forced or Compulsory Labor 2016	409-1	PDF pg. 78		•	Operations and suppliers identified as having significant risk for incidents of forced or compulsory labor, and measures to contribute to the elimination of all forms of forced or compulsory labor	1, 2, 4	
MATERIAL TOPIC: F			LES				
GRI 103: Management Approach	103-1	PDF pgs. 24-26		-	Explanation of material topic and its boundary		
2016	103-2	PDF pg. 77		-	Management approach and its components		
	103-3	PDF pg. 77		-	Evaluation of management approach		
GRI 411: Rights of Indigenous	411-1	PDF pg. 78		-	Total number of incidents of violations involving rights of indigenous peoples and actions taken		
Peoples 2016	MM5	PDF pg. 78		-	Number of operations taking place in or adjacent to indigenous peoples' territories		EM-MM-210a.2; EM-MM-210a.1; EM-MM-210b.2
MATERIAL TOPIC: L							
GRI 103: Management Approach	103-1	PDF pgs. 24-26		-	Explanation of material topic and its boundary		
2016	103-2	PDF pg. 79		-	Management approach and its components		
	103-3	PDF pg. 79		-	Evaluation of management approach		
GRI 413: Local Communities 2016	413-1	PDF pgs. 79-81		-	Percentage of operations with implemented local community engagement, impact assessments, and development programs	7	EM-MM-210a.3; EM-MM-210b.1; EM-MM-210b.2
	413-2	PDF pg. 81		-	Operations with significant actual and potential negative impacts on local communities		
	ММ6	PDF pg. 82		-	Number and description of significant disputes relating to land use, customary rights of local communities and indigenous peoples		
	MM7	PDF pg. 82		-	The extent to which grievance mechanisms were used to resolve disputes relating to land use, customary rights of local communities and indigenous peoples, and the outcomes		

STANDARD TITLE	MA AND INDICATORS	PAGE (OR LINK)	OMISSIONS	EXTERNAL ASSURANCE	DESCRIPTION	UNGC COP OR FAB PRINCIPLE	SASB DISCLOSURI
Category: So	ocial (cont	tinued)					
MATERIAL TOPIC: F	UBLIC POLICY	1					
GRI 103: Management	103-1	PDF pgs. 24-26		-	Explanation of material topic and its boundary		
Approach 2016	103-2	PDF pg. 83		-	Management approach and its components		
	103-3	PDF pg. 83		-	Evaluation of management approach		
GRI 415: Public Policy 2016	415-1	PDF pg. 83		-	Total value of political contributions by country and recipient/beneficiary		
MMSD MATERIAL T	OPIC: RESETT	LEMENT					
GRI 103: Management	103-1	PDF pgs. 24-26		-	Explanation of material topic and its boundary		
Approach 2016	103-2	PDF pg. 83		-	Management approach and its components		
	103-3	PDF pg. 83		-	Evaluation of management approach		
GRI G4 Guidelines: Mining and Metals Sector Disclosures	ММ9	PDF pg. 83		-	Sites where resettlements took place, the number of households resettled in each, and how their livelihoods were affected in the process		
MMSD MATERIAL T					Evelopation of material basis and its		
GRI 103: Management Approach	103-1	PDF pgs. 24-26		-	Explanation of material topic and its boundary		
2016	103-2	PDF pg. 83		-	Management approach and its components		
	103-3	PDF pg. 83		=	Evaluation of management approach		
GRI G4 Guidelines: Mining and Metals Sector Disclosures	MM10	PDF pg. 83		-	Number and percentage of operations with closure plans		
MATERIAL TORIS		ALTILAND CAR					
MATERIAL TOPIC: (IY		Evaluation of makerial target and the		
GRI 103: Management	103-1	PDF pgs. 24-26		-	Explanation of material topic and its boundary		
Approach 2016	103-2	PDF pg. 84		-	Management approach and its components		
	103-3	PDF pg. 84		-	Evaluation of management approach		
GRI 416: Customer Health and	416-1	PDF pg. 84		-	Assessment of the health and safety impacts of product and service categories		RT-CH-410b

STANDARD TITLE	MA AND INDICATORS	PAGE (OR LINK)	OMISSIONS	EXTERNAL ASSURANCE	DESCRIPTION	OR FAB PRINCIPLE	SASB DISCLOSURE
Category: So	ocial (cont	tinued)					
MATERIAL TOPIC:	MARKETING AN	ND LABELING					
GRI 103: Management	103-1	PDF pgs. 24-26		-	Explanation of material topic and its boundary		
Approach 2016	103-2	PDF pg. 84		-	Management approach and its components		
	103-3	PDF pg. 84		-	Evaluation of management approach		
GRI 417: Marketing and Labeling 2016	417-1	PDF pg. 85		-	Type of product and service information required by the organization's procedures for product and service information and labeling, and percentage of significant product and service categories subject to such information requirements		RT-CH-410b.1
	417-2	PDF pg. 85		-	Total number of incidents of non- compliance with regulations and voluntary codes concerning product and service information and labeling, by type of outcomes		

Organizational Profile

102-2 Activities, brands, products and services

The Mosaic Company is the world's leading producer and marketer of concentrated phosphate and potash crop nutrients. Through our broad product offering, we are a single source supplier of phosphate- and potash-based crop nutrients and animal feed ingredients. We serve customers in approximately 40 countries. We are the second largest integrated phosphate producer in the world and one of the largest producers and marketers of phosphate-based animal feed ingredients in North America and Brazil. Following our January 8, 2018 acquisition (the "Acquisition") of the global phosphate and potash operations of Vale S.A. conducted through Mosaic Fertilizantes P&K Ltda (formerly Vale Fertilizantes S.A.), we are the leading fertilizer production and distribution company in Brazil.

We mine phosphate rock in Florida and Brazil. We process rock into finished phosphate products at facilities in Florida, Louisiana and Brazil. Upon completion of the Acquisition, we became the majority owner of a joint venture operating a phosphate rock mine in the Bayóvar region in Peru, in which we previously held a minority equity interest. We mine potash in Saskatchewan, New Mexico and Brazil. We have other production, blending or distribution operations in Brazil, China, India and Paraguay, as well as a joint venture that operates a phosphate rock mine and chemical complexes in the Kingdom of Saudi Arabia.

We account for approximately 12 percent of estimated global annual phosphate production. We also account for approximately 12 percent of estimated global annual potash production.

Our business was organized into three reportable business segments in 2021:

Phosphate

We sell phosphate-based crop nutrients and animal feed ingredients throughout North America and internationally. We account for approximately 70 percent of estimated North American annual production of concentrated phosphate nutrients.

Potash

We sell potash throughout North America and internationally, principally as fertilizer, but also for use in industrial applications and, to a lesser degree, as animal feed ingredients. We account for approximately 33 percent of estimated North American annual potash production.

Mosaic Fertilizantes

We produce and sell phosphate, potash and nitrogen-based crop nutrients, and animal feed ingredients, in Brazil. In addition to five phosphate rock mines, four chemical plants and a potash mine in Brazil, this segment consists of sales offices, crop nutrient blending and bagging facilities, port terminals and warehouses in Brazil and Paraguay. The Mosaic Fertilizantes segment also serves as a distribution outlet for our Phosphates and Potash segments.

We account for approximately 65 percent of estimated annual production of concentrated phosphate crop nutrients in Brazil and 100 percent of estimated annual potash production in Brazil.









102-4 Location of operations

We mine phosphate rock in Florida, Peru and Brazil and process rock into finished phosphate products at facilities in Florida, Louisiana and Brazil. We mine potash in Saskatchewan, New Mexico and Brazil. We have other production, blending or distribution operations in Brazil, China, India and Paraguay, as well as a joint venture formed to develop a phosphate rock mine and chemical complexes in the Kingdom of Saudi Arabia.

Mosaic conducts business through wholly and majority-owned subsidiaries, as well as businesses in which we own less than a majority or a non-controlling interest. We are organized into three reportable business segments: Phosphates, Potash and Mosaic Fertilizantes. Additional information about our business and operating segments is provided in our 2021 10-K (pgs. 1–2).

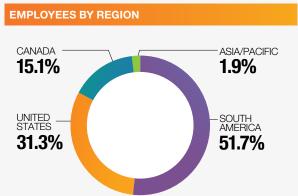
Global Operations



102-8 Information on employees and other workers

As of December 31, 2021, Mosaic employed 11,738 regular employees.

WORKFORCE BY REGION AND GENDER						
COUNTRY	MALE	FEMALE	TOTAL			
Brazil	5,166	853	6,019			
Canada	1,519	257	1,776			
China	105	51	156			
India	56	9	65			
Paraguay	40	13	53			
United States	3,095	574	3,669			
Total	9,981	1,757	11,738			



NOTE: Mosaic does not track individual contract worker counts or demographics. Figures differ from those reported in 10-K (pg. 17) in that they exclude long-term leaves, co-ops, seasonal and temporary employees. Employees considered to be on long-term leave are those away from work more than 180 days. "Temporary" employees represent a very small percentage of our total workforce (less than 1 percent). In 2021, we had one part-time worker, a male employee in Canada, who is included in the totals above. 15 percent of Mosaic's total workforce is female. Missing from these figures are the more than 600 employees who are employed at a Peru joint venture in which we have majority interest. We are working to integrate those employees' details into our human resources system of record.

102-9 Supply chain

Mining, producing and delivering millions of tonnes of fertilizer each year to customers around the globe is complex. It requires teams of dedicated professionals working to make responsible decisions each day and at every step in the production and supply chains.

MINING

We work to safely extract potash and phosphate ore from the Earth's extensive reserves.

FACT In our Florida Phosphate operations, phosphate rock is recovered using draglines. Our Brazil operations use an open pit process to extract phosphate reserves.

MANUFACTURING

We refine, process, and blend phosphate and potash minerals to create crop nutrition products, then prepare goods for shipment.

FACT We produce renewable energy through cogeneration, the process of converting waste heat to energy, satisfying approximately 40 percent of our phosphate operations' annual electricity consumption.

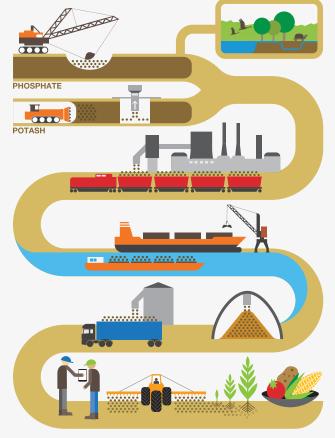
CUSTOMERS

We sell to retail customers and regional distributors, as well as large international growers.

FARMERS

We provide large and smallholder farmers with the vital crop nutrients and micronutrients they need to help grow healthy plants, achieve better yields, and grow food, feed, fuel and fiber more sustainably.

FACT Our premium MicroEssentials® product increases corn yields an average of 7.2 bushels per acre vs. traditional fertilizer.



LAND RECLAMATION & COMPENSATION

In Florida, we reclaim every acre of phosphate-mined land, creating high-quality habitats and wildlife corridors for fish, birds, and other animals, and land suitable for agriculture and other diverse beneficial uses. In Brazil, reclamation efforts include resloping and revegetating the mined area. Additionally, we set aside a portion of a mining site—approximately 20 percent of the project footprint—as a part of our efforts to preserve and protect unmined land.

FACT We reuse and recycle water to decrease our companywide consumption and increase efficient use.

TRANSPORTATION

We move raw materials, phosphate, potash and finished crop nutrition products across the supply chain using pipelines, trains, trucks, river barges and ships.

STORAGE & DISTRIBUTION

We have port terminals, warehouses and storage capacity in key geographies, with global distribution.

CONSUMERS

Our crop nutrients play a key role in growing crop yields and providing people with the healthy, affordable food they need to thrive.

FACT We partner with Field to Market[®], The Nature Conservancy and other organizations on initiatives aimed at increasing agricultural productivity, sustainability and food security—while reducing environmental impacts and protecting natural resources.

Unlike many of our competitors, we have our own distribution system to sell phosphate- and potash-based crop nutrients and animal feed ingredients, whether produced by us or by other third parties, around the globe. In North America, we have one of the largest and most strategically located distribution systems for crop nutrients, including warehouse facilities in key agricultural regions. We also have an extensive network of distribution facilities internationally, including in the key growth regions of South America and Asia, with port terminals, warehouses, and blending plants in Brazil, Paraguay, China, and India. Our distribution operations serve the top four nutrient-consuming countries in the world: China, India, the United States and Brazil.

Our global presence allows us to efficiently serve customers in approximately 40 countries.

102-10 Significant changes to the organization and its supply chain

- In 2021, due to increased brine inflows, we accelerated the timing of the shutdown of our K1 and K2 mine shafts at our Esterhazy, Saskatchewan potash mine by approximately nine months. In the third quarter of 2021, we resumed production at our previously idled Colonsay potash mine to offset a portion of the production lost by the early closure of the K1 and K2 shafts at Esterhazy. The impact to employees as a result of these changes was minimal.
- In 2020, we filed petitions with the U.S. Department of Commerce (DOC) and the U.S. International Trade Commission (ITC) that requested the initiation of countervailing duty investigations into imports of phosphate fertilizers from Morocco and Russia. The purpose of the petitions was to remedy the distortions that we believe foreign subsidies have caused or are causing in the U.S. market for phosphate fertilizers, and thereby restore fair competition. In early 2021, the DOC made final affirmative determinations that counter-available subsidies were being provided by those governments and the ITC made final determinations that the U.S. phosphate fertilizer industry is materially injured by reason of subsidized phosphate fertilizer imports from Morocco and Russia. As a result of these determinations, the DOC issued countervailing duty orders on phosphate fertilizer imports from Russia and Morocco, which will be in place for at least five years. See our 2021 10-K for more information.
- In November 2021, Vale S.A. sold its more than 34 million shares of common stock of Mosaic. Vale S.A. no longer holds any shares of Mosaic common stock.
- In response to Covid-19, we continued to implement measures in 2021 that were intended to provide for the immediate health and safety of our employees, including working remotely and alternating work schedules, in order to minimize the number of employees at a single location. Businesses have been impacted by short-term labor shortages due to illness, transportation issues such as trucking delays and port congestion which are slowing delivery of inputs to facilities and products to end customers.

102-12 External initiatives

102-13 Membership of associations

Mosaic recognizes the importance and value of being active in industry associations and cross-sector business forums. These common platforms help advance cutting-edge scientific research and best management practices within our company and our industry. We consider the relevance of each engagement opportunity to our business strategies, and we pursue mutually beneficial partnerships. Many of the key organizations we engage with are listed here.

ORGANIZATION	WAYS WE ENGAGE	INVOLVEMENT
CROSS-SECTOR ORGANIZATIONS		
Brazilian Network of the United Nations Global Compact (UNGC)	Signatory and Advisory Council Member	In 2019, Mosaic Fertilizantes became a signatory to the Brazilian Network of UNGC, affirming our deep commitment to the 10 UNGC principles on Human Rights, Labor, Environment and Anticorruption. In early 2020 our Mosaic Fertilizantes business became a member of the UNGC Brazil Advisory Council.
CDP	Reporter Services Member for Climate Change and Water	Mosaic supports CDP's aims to improve transparency with respect to greenhouse gas emissions goals and develop reduction strategies. We report to CDP annually.
Ethos Institute for Company Social Responsibility	Member	Mosaic is a member of the Ethos Institute, a leading civil society organization in Brazil, which is responsible for promoting sustainable and responsible management practices.
Global Reporting Initiative (GRI)	GOLD Community Business Leadership Forum	As a member of the GOLD Community, Mosaic is helping to shape the future of sustainability and reporting. Our annual sustainability disclosure is based on GRI's Standards: Core Option. We participate in GRI's Business Leadership Program, which drives participation from the private sector in measuring corporate performance on the UN Sustainable Development Goals.
Sustainability Accounting Standards Board	Standards Advisory Group	As a member of the Standards Advisory Group, Mosaic provides ongoing feedback on the implementation and use of SASB standards, as well as emerging sustainability issues to be considered as part of the standard-setting process.
United Nations Global Compact (UNGC)	Signatory	In 2011, Mosaic became a signatory to the UNGC, affirming our deep commitment to operating responsibly. In early 2019 our Mosaic Fertilizantes business became a signatory to UNGC. We communicate our progress on the UNGC's universal principles in our annual sustainability disclosure.
INDUSTRY ORGANIZATIONS		
Agriculture Nutrient Policy Council (ANPC)	Member	Our membership in the ANPC allows us to be an active stakeholder and leader in the policy process.
Agricultural Retailers Association (ARA)	Board Level	Mosaic contributes to ARA's mission to advocate, influence, educate and provide support to agricultural retailers.
Associação Nacional para Difusão de Adubos (ANDA)	Board Level	As a member of ANDA, Mosaic promotes the value and correct use of fertilizers in Brazil.
Brazilian Agribusiness Association (ABAG)	Member	At ABAG, Mosaic engages in policy discussions to improve the business environment for agribusiness and promote initiatives to support farmers.
Brazilian Association of Mineral Feed Industries (ASBRAM)	Member	Mosaic engages in regulatory discussions that affect the animal feed industry.
Brazilian Mining Institute (IBRAM)	Board Level	Through IBRAM, Mosaic contributes directly to regulatory discussions that affect the mining sector and provides support of sustainability initiatives.
Business Council for International Understanding (BCIU)	Member	Mosaic is a member of BCIU, which promotes cooperation between U.S. companies with the diplomatic community around the world.
Conservation Technology Information Center (CTIC)	Board Level	Mosaic continues to partner with CTIC on several initiatives that champion, promote, and provide information on technologies and sustainable agricultural systems.
Fertiliser Association of India (FAI)	Member	Mosaic supports and partners with FAI in its objective to ensure food security through balanced and efficient use of plant nutrients.
Fertilizer Canada (formerly Canadian Fertilizer Institute)	Committee and Board Level	Mosaic supports Fertilizer Canada's efforts to promote the responsible, sustainable and safe production distribution and use of fertilizers.
Field to Market	Member	Mosaic contributes to solutions for sustainability and continuous improvement in U.S. commodity agriculture.
Saskatchewan Industrial Energy Consumers Association	Member	Mosaic is a participant in SIECA, the leading energy advocacy group in the province of Saskatchewan

102-13 Membership of associations (continued)

ORGANIZATION	WAYS WE ENGAGE	INVOLVEMENT
INDUSTRY ORGANIZATIONS (CON	TINUED)	
Associated Industries of Florida	Member	Mosaic is engaged with AIF's policy development process and their advocacy on behalf of industry.
Florida Chamber of Commerce	Member	Mosaic is engaged with the Chamber's policy development process and their advocacy for business and participates in the Chamber's legislative candidate interview evaluation process.
Industrial Energy Consumers of America (IECA)	Board and Committee	Mosaic participates in IECA's engagement on federal energy-related issues in the United States and contributes to discussions with Federal Energy Regulatory Commission and Department of Energy about fair energy.
International Fertilizer Industry Association (IFA)	Board and Member	Mosaic supports IFA's efforts to represent, promote and protect the fertilizer industry among policymakers, regulators, farmers and society at large.
Manufacturers Association of Florida (MAF)	Member	Mosaic participates the development of MAF's advocacy positions on issues of importance to Florida manufacturing, including workforce education and regulatory issues, and assists with advocacy efforts.
Manufacturers Alliance for Productivity and Innovation (MAPI)	Member and Council Participant	MAPI's mission is to build strong leadership within manufacturing, and to drive the growth, profitability, and stature of global manufacturers. As a member of MAPI, Mosaic has representatives on several councils, and uses and provides input to the nonprofit's research and benchmarking efforts.
Mining Industry Union of the State of Goiás (SIEEG)	Member	Mosaic engages SIEEG as part of the Mining Chamber of the State of Goiás, a network of companies that promotes a better business environment for the mining industry.
Mining Industry Union of the State of Minas Gerais	Member	Mosaic engages Sindiextra to promote a better business environment for the mining industry in the State of Minas Gerais.
National Association of Manufacturers (NAM)	Member and Board Level	Through membership and committee participation, Mosaic contributes to NAM's work to create a favorable policy climate for manufacturing in the United States.
National Union for the Animal Feed Industry (Sindirações)	Member	Through Sindirações, Mosaic contributes to the discussions at the technical chambers of the Ministry of Agriculture of Brazil.
National Union for the Fertilizer's Raw Materials Industry (Sinprifert)	Board Level	At the board level of Sinprifert Mosaic leads initiatives to improve the competitiveness of the national producers of fertilizers.
Saskatchewan Chamber of Commerce	Committee and Board Level	Mosaic contributes to the Chamber's role as the voice of Saskatchewan business, promoting Saskatchewan as the best place to live, work and invest.
Saskatchewan Mining Association (SMA)	Committee and Board Level	Mosaic supports the SMA's aims to enhance the general welfare of the mining industry through technical innovations in the fields of health and safety standards, waste disposal, environmental protection, and extractive metallurgy research and development.
The Fertilizer Institute (TFI)	Committee and Board Level	Mosaic partners with TFI in its mission to represent and promote the fertilizer industry.
New Mexico Mining Association (NMMA)	Board Level	As a member of the Board, Mosaic supports the NMMA's goal of advancing the mineral resources and mining industries in New Mexico.
Canadian Chamber of Commerce	Member and Committee	Mosaic leaders participate on two committees: Ottawa Liaison Committee & Natural Resources & Environment Committee.
Tampa Bay Partnership	Member and Board Level	The CEO-driven regional advocacy organization is committed to creating a unified, competitive and prosperous Tampa Bay.
Tampa Bay Economic Development Council	Member	Tampa Bay Economic Development Council is the lead designated economic development agency for Hillsborough County and the cities of Tampa, Plant City, and Temple Terrace, and an official partner of Enterprise Florida, Inc.
Women in Mining Brazil	Member	Mosaic participates in this organization's aims to expand and strengthen the participation of women in the Brazilian mining industry.
American Chamber of Commerce – Brazil (AMCHAM)	Member	As a member of AMCHAM, Mosaic supports Brazil – U.S. trade and investment relations and participates in strategic bilateral discussions to improve the business environments for both countries.
Brazilian National Port Terminals Association (ABTP)	Member	As a member of ABTP, Mosaic participates on discussions to enhance Brazilian logistics competitiveness through the improvement of ports infrastructure and regulations.

Ethics and Integrity

102-16 Values, principles, standards and norms of behavior

102-17 Mechanisms for advice and concerns about ethics

In a rapidly changing business environment, it is important for us to remain grounded and focused on what we determine is most important. No matter where Mosaic operates in the world, our employees adhere to the same companywide principles.

MISSION: We help the world grow the food it needs

PRINCIPLES: We are responsible, innovative, collaborative and driven

STRATEGIC PRIORITIES:

1

North America Transformation

Continue to improve the profitability and competitiveness of Mosaic's North America business.

2

South America Growth Engine

Transform production and leverage Mosaic's in-country capabilities to drive additional growth and profitability.

3

Grow and Strengthen the Product Portfolio

Expand our reach in growing markets; deploy new digital demand generation capabilities; and continue to build our global product portfolio.

4

Drive Functional Collaboration and Efficiency

Expand impact and effectiveness of functional initiatives.

5

Optimize Capital Management

Prioritize and effectively allocate capital across the business.

6

Act Responsibly

Drive actions and behaviors that build Mosaic's brand as a respected and responsible company with a diverse and inclusive culture.

Our Code of Business Conduct and Ethics aligns with these principles and provides information about how we make sure we always do the right thing. Mosaic also maintains a 24-hour independently administered confidential and anonymous incident reporting hotline called EthicsPoint for all Mosaic employees, contractors, vendors, and the public to report perceived ethical issues. In 2021 we received 498 EthicsPoint reports. Most of the reported allegations related to employee relations; discrimination, harassment or retaliation; and contractor, supplier and third-party relations.

Governance

102-20 Executive-level of responsibility for economic, environmental and social topics

Mosaic's approach to sustainability reflects our commitments to global food security, the environment, our people, the communities where we operate, and our company. We encourage each person at Mosaic to act responsibly and contribute to our company's success. It's our collective decisions and actions that must be ethical, strategic and sustainable.

Sustainability leadership begins with our Board of Directors (BoD). The Environmental Health, Safety and Sustainable Development (EHSS) Committee of Mosaic's BoD provides oversight of our environmental, health, safety, and sustainable development strategic vision and performance.

View our **2021 Proxy Statement** (pg. 24) and the **EHSS Committee Charter** for more information. The Board and the company's Senior Leadership Team review the EHSS Committee's recommendations in order to develop new companywide policies, initiatives, targets and goals. A team of employees, overseen by a Senior Vice President of Regulatory and Public Affairs, manages sustainability initiatives on a day-to-day basis and communicates up and down the organizational structure about sustainability topics.

The Mosaic Company Senior Leadership Team (SLT), led by our President and Chief Executive Officer, is primarily responsible for managing profit and loss, capital deployment, and delivering growth. Implementation and delivery of Mosaic's business strategy and plan are monitored by SLT members. The SLT is supported in matters of sustainability by leading vice president- and director-level employees who are accountable for ensuring the goals are achieved through site-specific, business segment and companywide implementation.

Stakeholder Engagement

- 102-40 List of stakeholder groups
- 102-42 Basis for identification and selection of stakeholders with whom to engage
- 102-43 Organization's approach to stakeholder engagement
- 102-44 Key topics and concerns that have been raised through stakeholder engagement

Mosaic's stakeholders include employees, investors, local communities, customers, government and regulatory officials, civil society organizations, environmental organizations, suppliers, media, academia and others. We identify our stakeholders as those who are affected by our activities and whose actions have the potential to affect the outcome of our business activities. Our stakeholders help shape our strategic priorities and give meaning to our mission to help the world grow the food it needs.

MOSAIC'S STAKEHOLDERS	WAYS WE ENGAGE	HOW OFTEN	TOPICS OF IMPORTANCE
Academia	Fund or sponsor research, technical and industry meetings, research site visits, inperson visits during growing season, remote meetings	Monthly to Quarterly	Product and process innovations, agronomic research and development, nutrient stewardship, product trials, regulations, and impacts of our business and the industry
Civil Society Organizations	Internet site, meetings with organizations, local community and business leaders, corporate communications	Weekly to Biannually	Nutrient stewardship, habitat conservation, watershed protection and restoration, sustainable agriculture, food security, local community investment and partnerships
Customers	Sales relationships, regular visits, customer service surveys, special events, memberships in industry organizations, AgCollege	Weekly to Biannually	Product innovations, agronomic research and development, nutrient stewardship, certifications, impacts of our business and the industry
Employees, Senior Leadership Team and Board of Directors	Intranet sites, e-screens at plants and mines, town hall meetings, engagement surveys and activities, Annual Meeting, committee meetings	Daily to Quarterly	Environment, health and safety; company, business segment and facility performance; our business and our industry; business conduct and ethics; professional development and training; Mosaic's strategic community
Government and Regulatory Officials	Federal, provincial/state, and local executive and legislative branch advocacy, permitting applications, tours of plants and mines, engagement in state, national and trade association activities	Biweekly to Quarterly	Compliance, environmental investment and footprint, industry leadership, voluntary programs
Growers	Direct media, commodity organizations, industry partnerships, surveys	Monthly to Quarterly	Agricultural best practices, our business and our industry, agronomi research and development, product innovation, nutrient stewardship
Investors and Financial Markets	Internet site, webcasts and presentations, Securities and Exchange Commission (SEC) reports, analyst meetings, annual shareholder's meeting, press releases	Daily to Quarterly	Investments, financial results, market data, operational excellence, risks and opportunities, company and shareholder priorities
Joint Ventures and Business Partners	Board meetings, technical and planning sessions, site visits	Daily to Biannually	Project details, environment, health and safety, investments, technologies, product and process knowledge
Labor Unions	Employee and labor relations meetings, contract negotiations	Daily to Annually	Safety, contract interpretation, employee relations issues, engagement, productivity, work environment
Local Communities	Internet site and community microsites, tours of plants and mines, community advisory panels, town halls and/or open houses, media, community organization memberships, economic and charitable partnerships	Daily to Quarterly	Partnerships and community relations, corporate and charitable support, environmental investment, environmental footprint, education, local jobs, economic impact
Media	Press releases, interviews and briefings, internet site and community microsites, SEC reports, tours of plants and mines, town halls and/or open houses	Daily to Quarterly	Company priorities, performance and products, food security, nutrient stewardship, watershed restoration, local economic impact, partnerships and community relations, corporate and charitable support
Retirees	Mailings, HR Connect	As needed to Annually	Plan benefit summaries and changes, investment updates and disclosures
Suppliers	Internet site, supplier survey, site visits, meetings	Daily to Biannually	Cost reduction, productivity, quality and innovation opportunities; new technologies; contract preparation; environment, health and safety evaluation; products and services provided; certifications; impacts of products and services
Trade and Industry Associations	Organizational membership, committee participation, meetings	Monthly to Quarterly	Productivity and innovation, best practices, industry priorities, risk management

102-41 Employees covered by collective bargaining agreements

EMPLOYEES COVERED BY COLLECTIVE BARGAINING AGREEMENTS					
COUNTRY	% COVERED UNION EMPLOYEES NON-UNION EMPLOYEES BARGAININ				
Brazil	6,019	-	100%		
Canada	1,012	764	57%		
China*	154	2	99%		
India	0	65	0%		
Paraguay	0	53	0%		
United States of America	1,752	1,917	48%		
Total	8,937	2,801	76%		

NOTE: We work closely with unions and our unionized employees at both a national and international level. All employees in China, except those still on a probation period, are represented by collective bargaining agreements. Two employees were on probation at the end of 2021. The total reported above represents the percentage of our total workforce covered by collective work agreements. Figures differ from what is reported in the 2021 10-K (pg. 17) in that it represents percent of all employees, whereas the 10-K figure cites union involvement as a percent of the hourly workforce.

Reporting Practice

102-46 Defining report content and topic boundaries

102-47 List of material topic

103-1 Topics and topic boundaries

As a global, publicly traded company, we are continually exploring what it means to be responsible and accountable to Mosaic's diverse stakeholders. From employees, customers, shareholders and industry partners to trade unions, community organizations, government officials and academics, we seek ongoing dialogue with individuals or representatives of stakeholder organizations that impact — or are impacted by — Mosaic's business activities.

Topics and indicators that reflect Mosaic's significant economic, environmental and social impacts or that would substantively influence the assessments and decisions of stakeholders are deemed by us to be "significant" for sustainability reporting purposes.

AccountAbility's AA1000 Stakeholder Engagement Standard guided the review process that reflects our company's commitment to more fully inform all stakeholders on matters that influence our business and society.

103-1 Topics and topic boundaries (continued)

In addition to analyzing peer sustainability reports, Global Reporting Initiative (GRI) Standards and the GRI Mining and Metals sector supplement; Sustainability Accounting Standards Board Standards for Chemicals and Metals & Mining; as well as other reports and frameworks, our ongoing significance analysis includes:

- Reviewing Mosaic's public financial reports, sustainability reports, GRI tables, policies and commitments as well as an internally conducted survey of senior management, customers and employees
- · Surveying suppliers, contractors and service providers about their performance in key areas
- Assessing stakeholder engagement techniques, targets, material issues and reporting best practices of competitor, industry peer and supplier companies
- Scanning media reports, social media and blogs for issues raised for public concern
- Engaging leaders of local, regional, national and global community organizations
- Cataloging issues identified by stakeholder surveys, sustainability indexes, United Nations Sustainability Development Goals, principles of the United Nations Global Compact, regulatory and policy trends, industry associations and cross-sector partnerships
- Reviewing marketing research and customer satisfaction survey results
- Analyzing investor insights, hosting analyst day events with Q&A sessions, and participating in meetings
- · Compiling community perceptions through social media activity and brand awareness surveys

Significant issues are structured around and summarized in four areas of our sustainability focus: People, Environment, Society and Company. Please see mosaicco.com/Our-Responsibility for more insight into each of these areas. Our goals and reporting continue to evolve as we refine our understanding and identify further significant issues.

103-1 Topics and topic boundaries (continued)

Full disclosures of Mosaic's management approach precede the disclosure of the respective topic. We list boundaries for each topic below.

GRI	TOPIC	TOPIC BOUNDARY WITHIN THE ORGANIZATION	TOPIC BOUNDARY OUTSIDE THE ORGANIZATION
GRI 201	Economic Performance	Within Mosaic	Investors; Suppliers and Joint Ventures; Competitors; Government and Regulatory Officials; Civil Society Organizations; Media
GRI 202	Market Presence		Local Communities;
GRI 203	Indirect Economic Impacts		Civil Society Organizations
GRI 204	Procurement Practices		
GRI 205	Anti-corruption		Investors; Suppliers and Joint Ventures; Competitors; Government and Regulatory Officials; Civil Society
GRI 206	Anti-competitive Behavior		Organizations; Media
GRI 301	Materials		Local Communities; Suppliers;
GRI 303	Water		Customers; Government and Regulatory Officials; Investors, Media
GRI 304	Biodiversity		
GRI 305	Emissions		
GRI 306	Effluents and Waste		
GRI 307	Environmental Compliance		
GRI 308	Supplier Environmental Compliance		
GRI 401	Employment		Suppliers, Local Communities,
GRI 402	Labor/Management Relations		Government and Regulatory Officials; Labor Unions; Investors, Media
GRI 403	Occupational Health and Safety		
GRI 404	Training and Education		
GRI 405	Diversity and Equal Opportunity		
GRI 406	Non-discrimination		
GRI 407	Freedom of Association and Collective Bargaining		
GRI 408	Child Labor		
GRI 409	Forced or Compulsory Labor		
GRI 411	Rights of Indigenous Peoples		
GRI 412	Human Rights Assessment		
GRI 413	Local Communities		Suppliers, Local Communities,
GRI 415	Public Policy		Government and Regulatory Officials; Labor Unions; Media
GRI 416	Customer Health and Safety		
GRI 417	Marketing and Labeling		

- 102-45 Entities included in the consolidated financial statements
- 102-48 Restatements of information
- 102-49 Changes in reporting
- 102-54 Claims of reporting in accordance with the GRI Standards
- 102-56 External assurance

Our 2021 sustainability disclosure details The Mosaic Company's 2021 performance across broad sustainability focus areas of People, Environment, Society and Company. Our report has been prepared in accordance with the GRI Standards: Core option. The content of this report has been shaped by the issues identified through a significance study, the results of which we analyze on an ongoing basis. This report primarily summarizes the activities occurring in the period of calendar year 2021 and, unless otherwise noted, all data is presented on a calendar year (CY) basis. We encourage readers to refer to our 2021 ESG Performance Summary, 2021 Environment Metrics Supplement and mosaicco.com/Our-Responsibility for additional information about Mosaic's environment, social and governance performance.

This report covers our global operations, including entities over which Mosaic exercises majority operational control, including all its operations and departments that have the potential to generate significant impacts. Except for financial and select environmental data, this report does not specifically reflect equity-method investments, including joint ventures in which we have a minority interest. Please see our **2021 10-K** (page F-55) for more information about those investments.

This disclosure includes data from facilities we acquired as part of the 2018 transaction with Vale Fertilizantes S.A. in Brazil. We are also including data from the Miski Mayo mine as part of our Phosphates business since we became the majority owner of the joint venture that operates it following the Vale Fertilizantes transaction, with a few exceptions: our workforce data does not reflect employees from the Miski Mayo joint venture in Peru (approximately 600 employees). Emissions impacts associated with a joint venture in the Kingdom of Saudi Arabia in which we have a 25 percent interest are reported as part of our Scope 3 emissions in 305-3.

ERM CVS performed limited assurance of 2021 total energy (direct and indirect), total GHG emissions (Scope 1 E Scope 2 location-based), Scope 1 GHG emissions, Scope 2 location-based GHG emissions, total water withdrawals, and total water withdrawals by source. We also achieved assurance on Total Scope 3 categories, composed of select categories. To understand the scope, activities and conclusions of the assurance process, please view the **ERM CVS Assurance Statement**.

Throughout the report, "tonnes" refers to metric ton unit of measurement equaling approximately 2,205 pounds, whereas the occasional reference to "tons" refers to the unit of measurement equaling 2,000 pounds. References to sulfur are in "long tons," which is equal to 2,240 pounds.

Management Approach: Economic Performance

Mosaic's business is cyclical and subject to impacts from economic and market trends and geopolitical change. We have built our company to thrive across cycles and to take advantage of opportunities by reducing costs across the business; improving productivity; and leveraging innovation in new ways.

Mosaic is developing highly focused plans across our businesses and functions that keep us aligned and working together toward a common outcome.

Motivated by a "value first" mindset, we are focused on executing against six strategic priorities:

North America Transformation - Uncover and pursue new opportunities to improve the profitability and competitiveness of our Potash and Phosphates businesses

South America Growth Engine - Leverage Mosaic's in-country capabilities to drive additional growth and profitability

Grow and Strengthen Our Product Portfolio - Pursue diverse opportunities that make us stronger and that yield mutual benefits for Mosaic and our customers

Drive Functional Collaboration and Efficiency - Rethink and re-engineer outdated and inefficient processes, and continue to look for new ways to improve

Optimize Operating Assets and Capital Management - Continually assess, prioritize and allocate capital across the business and make decisions that strengthen our balance sheet

Act Responsibly - Be a good corporate citizen and contribute to the vitality of the people and the communities around us, which address profitability, competitiveness and our ability to deliver value to our diverse constituents.

Mosaic's sustainability efforts and performance are closely aligned with our operational and financial goals. We respond annually to CDP and use the Global Reporting Initiative (GRI) Standards with the Mining and Metals Sector Supplement to report on our environmental and sustainability performance. Our reporting index is aligned to many of the Sustainability Accounting Standards Board (SASB) metrics for the Metals & Mining and Chemicals industries.

As it relates to maximizing our impact in communities, we believe it is our responsibility to use our financial resources, technical expertise and innovative spirit to help the world sustainably grow the food it needs through strategic partnerships with leading organizations.

Our community investments are focused in the areas of food, water and local initiatives.

FOOD: Mosaic is committed to supporting organizations that advance global agricultural development, agricultural research and education, and hunger relief for community members in need. These programs, respectively, include The Mosaic Villages Project in India; micronutrient deficiency research and mobile soil testing labs; and local community food drives, food distribution trucks and school backpack programs.

WATER: Mosaic supports organizations that work in watershed restoration, habitat conservation and nutrient stewardship. These programs, respectively, include shoreline restoration and oyster reef installations; improved land management practices and wildlife protection; and 4R nutrient stewardship, which is best management practices for fertilizer application, minimizing field runoff and improving farmer yields.

LOCAL: Mosaic supports philanthropic or civic partnerships that enrich the long-term strength of communities in which Mosaic has offices and operations. These programs include local schools, healthcare institutions, museums; special projects and sponsorship of events; and housing and disaster relief.

We support a variety of formal and informal Mosaic channels through which stakeholders can submit concerns, including **communicating with the Board of Directors**.

201-1 Direct economic value generated and distributed

ECONOMIC PERFORMANCE (IN MILLIONS)					
	2017	2018	2019	2020	2021
Revenue	\$7,409.4	\$9,587.3	\$8,906.3	\$8,681.7	\$12,357.4

OPERATING COSTS (IN MILLIONS)						
	2017	2018	2019	2020	2021	
Cost of Goods Sold	\$6,566.6	\$8,088.9	\$8,009.0	\$7,616.8	\$9,157.1	
Selling, General and Administrative Expenses	\$301.3	\$341.1	\$354.1	\$371.5	\$430.5	
Impairment and Restructuring	\$0.0	\$0.0	\$1,462.1	\$0.00	\$158.1	
Less: Unrealized Gain/Loss on Derivatives	\$12.4	(\$32.6)	\$39.8	\$22.2	(\$13.5)	
Less: Depreciation, Depletion and Amortization	\$665.5	\$883.9	\$882.7	\$847.6	\$812.9	
*Less: Wages and Benefits	\$1,435.2	\$1,657.5	\$1,539.2	\$1,477.4	\$1,524.2	
Total Operating Costs	\$4,754.8	\$5,921.2	\$7,363.5	\$5,641.2	\$7,264.0	
Wages and Benefits	\$1,435.2	\$1,657.5	\$1,539.2	\$1,477.4	\$1,524.2	

^{*} As reported in the Mosaic **2021 10-K** (pg. F-4), Cost of Goods Sold include wages and benefits. For the purpose of the sustainability disclosure, wages and benefits are requested separately, so they are excluded here and added back in as a separate line item directly below.

PAYMENTS TO PROVIDERS OF FUNDS (IN MILLIONS)						
	2017	2018	2019	2020	2021	
Dividends Paid	\$210.60	\$38.5	\$67.2	\$75.8	\$103.7	
Payments for Share Repurchases	\$0.0	\$0.0	\$149.9	\$0.0	\$410.9	
Interest Paid (Net of Amount Capitalized)	\$155.0	\$173.9	202.8	\$199.5	\$189.9	
Total Payments to Providers of Funds	\$365.6	\$212.4	419.9	\$275.3	\$704.5	
Retained Earnings	\$10,631.1	\$11,064.7	\$9,921.5	\$10,511.0	\$12,014.2	

TAX - PAYMENT TO GOVERNMENT (IN MILLIONS)					
	2017	2018	2019	2020	2021
United States	(\$57.6)	(\$42.4)	(\$93.4)	(\$94.8)	(\$5.5)
Canada	(\$8.7)	\$12.2	\$120.0	\$48.1	\$122.9
Brazil	\$3.4	(\$15.1)	\$8.3	\$41.2	\$55.6
Other	(\$7.2)	\$11.1	\$11.6	\$11.7	\$24.6
Total Income Taxes Paid	(\$70.1)	(\$34.2)	\$46.5	\$6.2	\$208.6

^{* 2017} United States tax refunds relate primarily to 2013, 2015, and 2016 overpayments, while 2017 Canada tax refunds relate to 2016 overpayments. 2018–2020 United States tax refunds relate primarily to AMT tax credit refunds because of the Tax Cuts and Jobs Act. The 2018 Brazil tax refunds relate to refunds of tax credits.

201-1 Direct economic value generated and distributed (continued)

CANADIAN RESOURCE TAXES AND ROYALTIES EXPENSE (IN MILLIONS)						
	2017	2018	2019	2020	2021	
Canadian Resource Taxes and Royalties Expense**	\$142.0	\$198.8	\$211.9	\$176.1	\$301.5	

^{**} Represents tax expense during the period, not cash payments.

OTHER NON-INCOME TAXES AND ROYALTIES*** (IN MILLIONS)					
	2017	2018	2019	2020	2021
Other Non-income Taxes	\$84.3	\$89.1	\$89.2	\$86.1	\$86.20
Other Royalties	\$7.0	\$22.7	\$29.6	\$31.4	\$43.6

^{***} Other non-income taxes include property taxes and a Florida mining tax. Other royalties are for payments to governments associated with relevant mining activities in Brazil and the United States.

The combined 2021 contributions by The Mosaic Company, The Mosaic Company Foundation and The Mosaic Institute in Brazil provided more than \$15 million of support through companywide philanthropic grant making, in-kind products and services contributions, and paid employee volunteerism, including pro bono, skills-based technical assistance and functional-specific services. In 2021, Mosaic employees tracked more than 13,000 hours of volunteerism globally. Our engagement with local and global organizations promotes shared value. In addition to helping achieve positive community and societal outcomes, our investments contribute to Mosaic's ability to execute our strategy by helping us build a talent pipeline; maintain a positive reputation; protect our license to operate; differentiate our company as a good neighbor; and meet specific stakeholder expectations.

Please see **203-1** and **203-2** for more information about our contributions. 2021 community investments by geography are as follows:

2021 COMMUNITY INVESTMENTS BY GEOGRAPHY (U.	.S. DOLLARS)
GEOGRAPHY	INVESTMENT

GEOGRAPHY	INVESTMENT
Brazil	\$1,634,807
Canada	\$3,752,214
Florida	\$5,990,306
Global Partnerships	\$197,398
Louisiana	\$577,577
Minnesota	\$160,000
New Mexico	\$141,500
United States — National	\$1,157,640
Villages — Brazil	\$282,602
Villages — India	\$519,542
Administrative/Program	\$270,243
Total	\$15,119,763

In North America, Mosaic uses an online grant application system to receive and evaluate proposals for funding. By accessing the online grant application system, potential grantees have access to Mosaic's focus areas, grant making guidelines, application deadlines and our non-discrimination policy. Establishing a standardized grant making system with stated guidelines and policies online has provided greater transparency to our partners, shareholders, employees and communities. Through this system, grantees provide reports on their outcomes, enabling Mosaic to evaluate the effectiveness of each grant.

201-2 Financial implications and other risks and opportunities for the organization's activities due to climate change

Mosaic's "Commitment on Climate Change" acknowledges that global climate change creates uncertainty for our business and poses challenges for the health and well-being of the world's populations — ecologically, socially and economically.

The potential financial implications regarding the physical, transition and regulatory changes associated with climate change, as well as potential regulatory response changes, are discussed in Mosaic's **2021 CDP Climate Change Response**, our **TCFD Reporting Index** and in Mosaic's **2021 10-K** (pgs. F-27–F-29). As of the date of this report, we have work underway with a third party to assess climate risks and opportunities and their potential repercussions on our business.

Mosaic has been tracking developments of emerging sustainability and climate change reporting requirements, such as the U.S. Security and Exchange Commission's (SEC's) proposed rule on Climate Disclosures. The outcome of the SEC's proposed rule is still uncertain, but we believe we are well positioned to adopt new requirements, having reported on sustainability topics and GHG emissions for over a decade.

201-3 Defined benefit plan obligations and other retirement plans

BENEFIT PLAN OBLIGATION (IN MILLIONS)					
	2017	2018	2019	2020	2021
Pension Plan Obligation	\$766.1	\$673.6	\$755.5	\$796.6	\$739.6
Fair Value of Plan Assets	\$793.2	\$701.2	\$790.6	\$845.2	\$807.0

NOTE: Please refer to the discussion of our defined benefit pension plans in our 2021 10-K (pgs. F-69-F-70).

PENSION PLAN ASSET ALLOCATION

UNITED STATES PENSION PLANS						
	ASSETS AS OF 12/31/2017	ASSETS AS OF 12/31/2018	ASSETS AS OF 12/31/2019	ASSETS AS OF 12/31/2020	ASSETS AS OF 12/31/2021	
Fixed Income	75%	75%	80%	83%	100%	
United States Equity Securities	15%	15%	9%	8%	0%	
Non-United States Equity Securities	1%	1%	11%	9%	0%	
Total	100%	100%	100%	100%	100%	

CANADIAN PENSION PLANS						
	ASSETS AS OF 12/31/2017	ASSETS AS OF 12/31/2018	ASSETS AS OF 12/31/2019	ASSETS AS OF 12/31/2020	ASSETS AS OF 12/31/2021	
Fixed Income	38%	66%	65%	71%	80%	
United States Equity Securities	22%	9%	10%	12%	8%	
Canadian Equity Securities	2%	8%	10%	0%	0%	
Non-United States Equity Securities	15%	13%	14%	17%	10%	
Private Equity	1%	0%	0%	0%	0%	
Other	4%	4%	1%	1%	2%	
Total	100%	100%	100%	100%	100%	

INVESTMENT PLAN AND SAVINGS PLAN (IN MILLIONS)					
	2017	2018	2019	2020	2021
Attributable Expense	\$54.3	\$51.2	\$56.4	\$48.0	\$55.8

201-3 Defined benefit plan obligations and other retirement plans (continued)

Participation and funding target percentages for our United States and Canadian pension plans as of December 31, 2021, are as follows:

BENEFIT PLAN PARTICIPATION AND TARGET ATTAINMENT (as of December 31, 2021)

LOCATION	PARTICIPANTS	FUNDING ATTAINMENT
United States Combined U.S. Defined Benefit Pension Plan	5,415	112%
Colonsay (Union)	525	104%
Colonsay (Salaried)	65	108%
Esterhazy (Union)	1,337	110%
Esterhazy (Salaried)	193	113%
Brazil (Hourly)*	3,849	
Brazil (Salaried)*	1,636	

^{*} We have four plans in Brazil, three of which are subject to funding requirements. These plans have 3,971 active participants and were funded at 128.72 percent at the time of this report.

201-4 Financial assistance received from government

	TAX CREDITS AND SUBSIDIES					
COUNTRY		ТҮРЕ	AMOUNT			
	Brazil	Employee Meal Subsidies	\$578,280			
	Brazil	Research and Development Incentive	\$879,354			
	Canada	Research and Development Credit	\$5,085,397			
	United States	Mine Rescue Team Training Credit	\$20,329			
	United States	Research and Development Credit	\$1,689,222			
	United States	FMLA Credit	\$106,038			

NOTE: All figures are reported in United States dollars. As actual 2021 figures were not available at the time of reporting, these figures represent actual 2020 amounts. The Brazil and Canada figures were calculated using an average income statement exchange rate used for financial reporting purposes.

Management Approach: Market Presence, Indirect Economic Impacts and Procurement Practices

At Mosaic, we understand that our business and our communities are indelibly linked. Our operating communities are also our homes — where we live, work and raise children. We strive to be a thoughtful and engaged neighbor, investing carefully and generously as we seek long-term partnerships with organizations that are making a difference.

Mosaic is dedicated to advancing the many ways that our business contributes to the sustainable development of the communities where we operate: investing in communities; hiring employees and contracting vendors from local communities; offering competitive wages and benefits to our workforce; and developing our future workforce.

Investing in Communities

The Mosaic Company, The Mosaic Company Foundation and The Mosaic Institute in Brazil partner with industry associations, nonprofit groups and stakeholders focused on food, water and local initiatives. We are especially committed to the strength and prosperity of the communities where we have offices and operations, including North America, South America and Asia. Our financial support is magnified by employee volunteerism and community involvement. In 2021, we launched an employee portal in North America where employees can connect their personal causes to corporate giving, matching and volunteerism opportunities. The system joins one that was already in place for our Brazil workforce; now 11,000+ global Mosaic employees have access to systems for tracking volunteer hours and giving. Proudly, our employees provided support for more than 900 organizations in 2021 by volunteering more than 13,000 hours and donating more than \$400,000 in financial contributions and company matches.

Back to ESG Performance Targets >>

Hiring Employees and Contracting Vendors From Local Communities

As a matter of practive, and in accordance with Mosaic's global job posting policies, we will "hire from within wherever possible." In addition, Mosaic initiates and conducts its search for qualified candidates locally, before the search is broadened.

Mosaic's mining and production operations take place in communities of varying size throughout North America. Mosaic does not have a written policy for giving preference to locally based suppliers, but we do encourage and support local suppliers of all sizes. As a global company, the vendor screening process we have in place ensures that we maintain strict ethics, quality and safety standards. In an effort to support more local suppliers, we engage them, build partnerships, and explore opportunities to build capacity.

Our **Supplier Code of Conduct** outlines the standards of business integrity to which we hold ourselves and our suppliers accountable. We are committed to engaging our suppliers and service providers as we seek opportunities to improve the ESG performance of our supply chain. In 2021 we advanced work to assess the feasibility of a supplier diversity initiative, studying suppliers representing over \$1B in spend for diverse ownership and companywide diversity and inclusion initiatives.

Offering Competitive Wages and Benefits to Our Workforce

Our global talent investment philosophy is to provide competitive compensation and benefits, with flexibility to choose programs that best meet our employees' needs.

Developing Our Future Workforce

Skilled labor is a key priority in the geographies where we operate. We work with governments and institutions to help train skilled labor to develop the knowledge required to support Mosaic's future workforce.

202-1 Ratios of standard entry-level wage by gender compared to local minimum wage at significant locations of operation

Mosaic offers competitive compensation and benefits in each of the company's significant locations of operation. As shown below in local currency, the standard entry-level wage range is higher than the prevailing local minimum wage for each location presented. For Mosaic, minimum wages are generally not relevant since most entry-level Mosaic positions require a higher level of skills or knowledge than jobs to which the minimum wage rate would apply.

2021 MOSAIC LOCAL MIN	2021 MOSAIC LOCAL MINIMUM WAGE COMPARED TO LOCAL MINIMUM WAGE							
SIGNIFICANT OPERATIONS	LOCAL MINIMUM WAGE	MOSAIC ENTRY-LEVEL WAGES	MOSAIC ENTRY-LEVEL WAGE RELATIVE TO LOCAL MINIMUM WAGE					
U.S. Range/hr (USD)	\$7.25	\$17.46-\$34.35 (hourly) \$11.97-\$19.09 (salaried)	165%					
Canada Range/hr (CAD)	\$11.75-\$15.20	\$32.77-\$35.83 (hourly) \$17.31-\$26.11 (salaried)	148%					
Brazil Range/hr (BRL)	\$5.51	\$6.52	118%					
China Range/hr (CNY)	\$10.92-\$13.33	\$26.71-\$34.66	253%					
India Range/hr (INR)	\$65.03-\$96.46	\$145.75-\$301.50	308%					
Paraguay Range/hr (PGY)	\$9,539.00	\$9,539.00	100%					

NOTE: Mosaic's compensation practices adhere to the respective regulations in the geographies where we have operations.

202-2 Proportion of senior management hired from the local community at significant locations of operation

As a matter of practice, we will hire from within wherever possible. For senior leader roles, if no internal candidates are identified, a search will be conducted externally to find the best candidate for the leader role. The hire may or may not come from one of the communities where we have a presence. We also support these candidates with relocation assistance.

In 2021, 100 percent of newly hired senior leaders — all 13 of whom were external hires — came from local communities.

For the purpose of this indicator, "significant locations of operation" refers to United States, Canada and Brazil. "Senior leaders" is defined as those individuals who are responsible for a business unit, corporate function, business unit function, country or operations site; "local community" is defined as the country where our operations are located. "Senior leaders" represent less than 3 percent of our total workforce.

203-1 Development and impact of infrastructure investments and services supported

Livable communities require stable infrastructure and connectivity. As part of our community investment focus on local communities, Mosaic responds to community needs for welcoming public spaces, hospitals and emergency services, and entertainment and sports facilities that bring additional revenue to local economies. Our investments in this category in 2021 totaled approximately \$3.4 million. Here are examples of some of our recent community investments in infrastructure.

Global

• Throughout 2021, Mosaic provided approximately \$900,000 to local organizations in Brazil, Canada, China, India, Peru and the United States to support disaster relief, including Covid-19 pandemic relief efforts. Examples of the relief efforts included distribution of food, sanitation kits, etc.

North America

• In February 2021, Mosaic launched The Mosaic Employee Giving Program. The program offers each North American employee a 1:1 match up to \$2,000 per calendar year. In addition, the program offers volunteer service grants for volunteer hours completed on personal time. Through the new Mosaic Employee Giving Program, we supported 766 causes and logged 9,843 volunteerism hours in North America.

Florida

- Mosaic provided \$100,000 to the Dream Center in Lakeland, Florida to construct a Kids Club Park and Pavilion on the Dream Center campus. The Dream Center sits in a low-income, minority community and serves those in need through resources, services, and education to create safer communities, meet tangible needs, and create brighter futures for children and families. The impact of this space is significant to the Dream Center and surrounding neighborhood, because it provides a safe space for the Kids Club program ultimately increasing both the capacity and quality of the center's programming.
- In 2020, The Mosaic Company made a five-year, \$1.5 million commitment to support Tampa Bay Innovation Hub's capital campaign. Mosaic's annual \$300,000 grant supports the organization's Embarc Collective, a state-of-the-art 32,000 square foot facility located in downtown Tampa which opened in January 2020. The innovation hub helps recruit, retain and develop new tech startups in an effort to build bold, scalable and thriving companies in Tampa Bay.
- We launched the Tackling Hunger Fueled by Mosaic Program with the Tampa Bay Buccaneers in 2021 to open five food
 pantries in the region over the next five years. The long-term investment of \$1M a year is inspired by Mosaic's mission and
 passion to address food insecurity, and the Buccaneers' extensive community platform to drive social change and empower
 youth. The Bucs and Mosaic will partner with Feeding Tampa Bay, part of the Feeding America network, to build and manage
 the pantries.

Louisiana

• In 2021, Mosaic made a \$100,000 commitment to bolster disaster response services for the St. James Parish (LA) Sheriff's Office. These funds enabled the St. James Parish Sheriff's Office (SJPSO) to purchase a generator for the operation of the incident command satellite locations, and disaster and recovery efforts during long-term power outages. To be effective, these satellite locations must always be powered during a disaster. Providing this resource to SJPSO assists the agency to continually provide services throughout the community, thus minimizing threats.

Canada

- In 2021, \$365,000 CAD of Mosaic's dedicated Indigenous Community Investment budget was spent on infrastructure needs. A \$45,000 investment to Zagime First Nation helped build a new Community Sweat Lodge. Members of Zagime and surrounding First Nations on Treaty 4 territory rely on the Zagime Sweat Lodge and the ceremonies for physical, mental and spiritual healing.
- Mosaic committed \$45,000 CAD toward The Key First Nation's Bison Project to reintroduce bison to their Nation's land. In addition to promoting cultural expression, teachings and knowledge, the program helps reconnect First Nation people to their traditional land and way of knowing through land-based learning. The Bison Project will provide a sustainable revenue and food source for the community.

203-1 Development and impact of infrastructure investments and services supported (continued)

- Ochapowace First Nation is renovating the Margaret Bear & Yellow Eagle Memorial Equine Centre, a facility focused on providing community and mental health support through equine therapy. Mosaic's investment of \$50,000 CAD will help build a new kitchen, as well as provide new tack and equipment for the Centre.
- In the city of Moose Jaw, Saskatchewan, we funded two significant infrastructure projects in 2021. Mosaic committed \$90,000 CAD over three years to the Moose Jaw Food Bank in support of a new warehouse and distribution centre, as well as \$50,000 CAD toward Riverside Mission's new building that will serve as an emergency services facility, complete with shelter housing, food and basic needs distribution centre, as well as extended transitional support services.
- Mosaic has funded a graduate support program with Ignite Adult Learning Centre for over a decade. In 2021, Mosaic
 provided an additional \$50,000 CAD investment toward the new building and renovations required to continue serving adults
 working toward their General Educational Diploma. In recognition, Ignite Adult Learning has named a "Mosaic Classroom" at
 the new facility.
- In 2021, Mosaic renewed commitments to the Moose Jaw Health Foundation totaling \$750,000 CAD over five years and the Jim Pattison Children's Hospital Foundation for \$2.5 million CAD over five years in support of the Mosaic Maternal Care Unit and the Mosaic Child Life Program. Investments in healthcare in Saskatchewan totaled more than \$1.5 million CAD in 2021, helping to increase Intensive Care Unit capacity, purchase state-of-the-art diagnostic equipment, and replace life-saving equipment in operating rooms.

India

• Mosaic's Krishi Jyoti project aims to improve livelihoods in villages in rural India by enhancing farm productivity. In partnership with the project's implementing partner, The Sehgal Foundation, 15 check dams have been constructed since 2008, increasing water storage capacity to 107 million gallons. The project also promotes education among children in these remote villages by providing them a healthy and safe school environment. Krishi Jyoti has supported the renovation of 34 government schools in the project villages, benefiting nearly 7,500 children. 2021 marked Mosaic's thirteenth year participating in the Krishi Jyoti project.

Brazil

- The Mosaic Institute recognizes the important contributions of public spaces and social centers to a community's wellbeing and invests in them locally. In 2021, The Mosaic Institute Brazil invested more than \$2,000,000 BRL in the areas of food, water, education and social development.
- In 2021, The Mosaic Institute in Brazil contributed philanthropic funding and emergency support to help prevent transmission of Covid-19.
- Building off the success of the Mosaic Villages Project success in India, The Mosaic Foundation launched Villages Brazil in 2019, which supports 17 small farmers in Barreiras in the state of Bahia. Outcomes from this program in 2021 included a 230 percent increase in farmer income, and significantly improved access to water due to the installation of 17 irrigation systems, construction of eight cisterns, improved water management and protection of water resources.

In 2021, combined contributions by The Mosaic Company, The Mosaic Company Foundation and The Mosaic Institute in Brazil through philanthropic funding, employee engagement and in-kind donations totaled more than \$15 million. View our global and local community investments on **Mosaic's Giving Page**.

203-2 Significant indirect economic impacts, including the extent of impacts

Mosaic has diverse and varied indirect economic effects on communities across the world as an employer, community partner, taxpayer, and consumer of goods and services. Due to the complex nature of the business and philanthropic activities in which Mosaic engages, we do not attempt to estimate our full indirect economic impact by using a measurement of currency. Here are some of the ways Mosaic contributes indirectly to economies around the globe:

- Our customers, dealers, and vendors are all meaningful contributors to the economic vitality of the rural and regional communities where they operate. They provide employment, purchase goods and services, and pay taxes in their own communities. An **economic study** by The Fertilizer Institute estimates that the United States fertilizer industry contributes nearly \$131 billion to the United States economy. The study goes on to estimate that fertilizer producers, wholesalers and retailers, and the businesses that serve them, support nearly 500,000 United States jobs.
- Located in Tampa, Florida, The Florida Aquarium receives more than 800,000 visitors each year. Approximately six to eight times a year, Mosaic barges returning from Louisiana collect sea water from the Gulf of Mexico and deliver this vital resource to the aquarium, which helps support over 9,000 aquatic and terrestrial animals. In 2021, Mosaic delivered a total of 2.4 million gallons of sea water saving the aquarium over \$600,000 in costs related to the manufacturing of salt water. The water delivery also resulted in waste reduction for the aquarium, avoiding the following: 296 wooden pallets, 11,840 cardboard boxes, 47,360 plastic bags and 13,320 linear feet of plastic wrap.
- The Wauchula City Hall and Civic Auditorium has the potential to be a hub of activity for downtown Wauchula, FL, and a useful tool for increasing commerce and pedestrian traffic along Main Street downtown. Mosaic provided a \$300,000 investment to the City of Wauchula for the renovation of the Wauchula City Hall and Civic Auditorium. With a capacity of over 400 people the renovated Wauchula City Hall and Civic Auditorium will host theatrical and musical performances, movies, and keynote speakers, to attract residents and tourists from around the region.
- Building off the success of the Mosaic Villages Project in India, The Mosaic Foundation launched Villages Brazil in 2019, which will support 17 small farmers in Barreiras, state of Bahia. Outcomes from this program in 2021 included a 230 percent increase in farmer income, and significantly improved access to water due to the installation of 17 irrigation systems, construction of eight cisterns, improved water management and protection of water resources.
- The Mosaic Institute in Brazil also implemented programs to improve basic education, including promoting literacy and independent reading and refurbishing or supporting construction of public schools. In 2020 we initiated construction of a school for children's education that opened May 2021. In 2021, we also trained 1,243 teachers in 84 schools in a program that benefited over 12,000 students, promoting family farming, healthy eating habits and food security, and helping ensure access to nutrition for vulnerable communities.

203-2 Significant indirect economic impacts, including the extent of impacts (continued)

- The Mosaic Institute in Brazil also promoted programs for local development. For example, we funded a Social Entrepreneurship program, developed in Cajati, state of São Paulo, that supports efforts to build entrepreneurial capacity for local businesses. In 2021, we supported two social organizations: a recyclers' cooperative and a seamstress association. The program offered more than 400 hours of training, assistance and the purchase of materials and equipment to help these organizations thrive.
- In Brazil, in line with our commitment to the United Nations Sustainable Development Goals, we continued supporting a social bidding initiative that provides funding for projects that promote water stewardship. In 2021, 15 projects were selected to receive funding. Mosaic's investment of more than \$130,000 helped improve the management of local water resources.
- In Canada, Mosaic has funded Habitat for Humanity in Saskatchewan for over a decade, helping fund homes for 175 families. Homeownership has provided a foundation for safe, affordable housing that supports low-income families as they work to become self-reliant. The indirect impact of supporting reliable housing is realized by reducing poverty, creating safe and sustainable communities, and creating opportunities for families.

Additionally, many of Mosaic's partnerships with community organizations continue to support positive healthcare, education, housing and recreational opportunities for our neighbors. Please see **203-1** and **Mosaic's Community Giving page** for more information.

204-1 Proportion of spending on local suppliers at significant locations of operations

We report on purchases from local suppliers in the United States, Canada and Brazil. For the purposes of this indicator, operations in these areas are considered "significant" since they are in key geographies where our mining and chemical manufacturing, and as a result, most of our supply chain activities, take place.

LOCAL SUPPLY CHAIN (PERCENT)	
OPERATIONAL LOCATIONS	2021
Phosphate (United States)	85%
Phosphate (Peru)	97%
Potash (Canada and United States)	69%
Mosaic Fertilizantes	99%

NOTE: Excludes governmental, raw materials, clubs and organizations, employee-related and freight and warehouse expenditures. Includes as locals in the Phosphates segment all vendors with addresses in Louisiana and Florida, and in the Potash segment all vendors with addresses in New Mexico, Saskatchewan and Manitoba. Phosphate Peru spend categories exclude raw materials, diesel, potable water and power and defines local as all vendors in Peru. Mosaic Fertilizantes spend categories include indirect expenditures and logistics for Brazil and Paraguay operations. Figures include all vendors with addresses within the country of operations.

Management Approach: Anti-corruption and Anti-competitive Behavior

Mosaic operates in a regulated industry and in areas throughout the world with potentially varying degrees of perceived corruption. Mosaic also has routine interactions with foreign government officials and agencies related to obtaining licenses and approvals, customs, land use and other matters. The risk of corrupt practices exists in the countries where we operate as government officials and agencies are inherently involved in the production, sale, and distribution of our fertilizer products through the related laws and regulations governing these activities.

Mosaic must comply with all applicable laws of the United States, and all other countries in which we do business, that are designed to prevent bribery and corruption. Our **Code of Business Conduct and Ethics** demands compliance from our employees and Mosaic requires employees who have been assigned a company computer user ID to complete online code of conduct training and certify compliance with the code annually. In 2021, more than 10,500 employees completed the Code of Conduct Certification. In addition, 100 percent of salaried employees, which includes managers, (approximately 4,500 employees total) certified compliance with the Code of Conduct.

Mosaic also maintains a 24-hour independently administered confidential and anonymous incident reporting ethics line for all Mosaic employees. In addition, our company conducts a robust risk assessment to identify risks related to the U.S. Foreign Corrupt Practices Act (FCPA). A robust fraud risk assessment is also completed in the Sarbanes-Oxley compliance efforts.

We recognize the significance of the FCPA and have established a **Worldwide Anti-Bribery, Anti-Corruption Policy**. In addition to providing training on anti-bribery and anti-corruption for employees (approximately 1,500 employees trained in 2021), we conduct periodic FCPA audits of selected various geographic locations and respective individuals — including but not limited to country managers, sales representatives, accounting/finance personnel and supply chain — whose job responsibilities require a keen awareness of and compliance with the FCPA.

205-1 Total number and percentage of operations assessed for risks related to corruption and the significant risks identified

During 2021, Mosaic reviewed the following foundational elements of our anti-corruption program: Tone at the Top, Policies and Procedures, and Training, to provide assurance that Mosaic is taking the appropriate measures to mitigate the risk of an employee or representative (third parties) engaging in activities that may violate FCPA or other anti-corruption laws or regulations. These reviews included performing audit procedures at the company's operations in the United States, Canada, Brazil, India, and Paraguay.

Transparency International's Corruption Perception Index ranks 180 countries and territories by their perceived levels of public sector corruption. We do not have production facilities in any of the 20 lowest-ranked countries.

205-2 Communication and training on anti-corruption policies and procedures

Mosaic requires all salaried employees (which includes all management employees) to complete Foreign Corrupt Practices Act (FCPA) training annually. In 2021, we administered approximately 4,000 hours of anti-corruption, business conduct and ethics and other legal compliance trainings. As part of our Code of Business Conduct and Ethics (the "Code of Conduct") certification process, which is required annually of all salaried employees, employees are specifically asked to certify as to their compliance with the FCPA in the past year. The 2021 Code of Conduct certification, completed in early 2021, had a 100 percent completion rate. View **404-1** for more information.

All Board members are recertified on Mosaic's Code of Conduct annually.

Regarding business partners, Mosaic's service agreements generally require suppliers to agree to follow all applicable laws, rules and regulations and agree to follow Mosaic's **Supplier Code of Conduct**, a section of which addresses preventing bribery and corruption as well as conflicts of interest. The Supplier Code of Conduct states that suppliers adhere to the same level of integrity and ethical standards as are required by Mosaic employees.

Mosaic's purchasing policy requires suppliers to acknowledge Mosaic's Supplier Code of Conduct annually in writing. Mosaic's **Worldwide Anti-Bribery**, **Anti-Corruption Policy** and **Code of Business Conduct and Ethics** are both publicly available on our **website**.

205-3 Confirmed incidents of corruption and actions taken

In 2021 there were no confirmed incidents of corruption. There were no public legal cases brought against Mosaic or its employees in 2021, therefore no fines associated with corruption for the calendar year.

206-1 Total number of legal actions for anti-competitive behavior, anti-trust, and monopoly practices and their outcomes

In 2021, there were no legal actions for anti-competitive behavior, anti-trust or monopoly practices.

Management Approach: Materials

In line with Mosaic's strategic priority to Act Responsibly, we strive to be good stewards of natural resources, using them as efficiently as possible.

We use various mineral resources and materials to make our crop nutrition products. For example, limestone is used to produce our animal feed products and for water treatment. Sulfur, a byproduct of crude oil and natural gas de-sulfurization, is used to produce steam, electricity and sulfuric acid, which is used to produce phosphoric acid. We use byproduct heat from sulfuric acid production to generate steam that we use in our operations and to generate electricity. Sulfur is also used in the production of our MicroEssentials® product line. Various micronutrients, including zinc and sulfur, are key ingredients in our MicroEssentials product line. Ammonia is used in our finished products, diammonium phosphate (DAP), monoammonium phosphate (MAP) and MicroEssentials, and to adjust the pH of the stack gases at our Esterhazy potash mine.

Coproduct and byproduct materials that are generated during the extraction and beneficiation of potash and phosphate are addressed in the waste section of this report. Mosaic strives to improve recovery and reuse of its wastes in Brazil, where the regulatory construct is more supportive of reuse of products such as phosphogypsum, a byproduct of the phosphate manufacturing process. In 2021, the Mosaic Fertilizantes business sold approximately 5.7 million tonnes of phosphogypsum, among significant volumes of other coproducts.

Mosaic products, predominantly fertilizer and animal feed ingredients, are used in agricultural operations. To the extent possible, bulk transport is used to minimize the need for extensive packaging — and therefore packaging waste — throughout the supply chain. Mosaic supports and helps promote The Fertilizer Institute's (TFI's) Bulk Blend Workshops and Manual, which eliminates the need for packaging of major raw materials or the final product.

301-1 Materials used by weight or volume

MATERIALS MINED OR CONSUMED (MILLION TONNES)				
MATERIALS	2021			
Ammonia	1.3			
Soda Ash	<0.01			
Limestone	0.6			
Phosphate Rock	19.3			
Potash Ore	30.2			
Sulfur (Long Ton)	4.9			

NOTE: Ammonia consumed depicted in the table above is for production of phosphate crop nutrients and for use in smaller applications at one of our potash facilities. Sulfur value represents long tons used for our own production in 2021.

301-2 Percentage of materials used that are recycled input materials

Sulfur is the most significant recycled raw material in our manufacturing processes. The sulfur used is recovered from crude oil and natural gas processing and then recycled in our plant operations to produce sulfuric acid, which we use to make phosphoric acid, steam and electricity. Our use of this product prevents an excess of sulfur that otherwise could be disposed of in landfills. In 2021, sulfur made up approximately 8 percent by weight of our total raw materials.

301-3 Percentage of products sold and their packaging materials that are reclaimed by category

Mosaic products, predominantly fertilizer and animal feed ingredients, are used in agricultural operations. To the extent possible, bulk transport is used to minimize the need for extensive packaging throughout the supply chain. Mosaic supports and helps promote (TFI's) Bulk Blend Workshops and Manual, which eliminates the need for packaging of major raw materials or the final product. In any given year, more than 60 percent of the sales volumes (tonnes) from our businesses are sold in bulk.

Management Approach: Water, Energy, Emissions, Biodiversity, Effluents and Waste and Environmental Compliance

Respect for the natural environment is essential to the sustainability of our business. From our potash mines in Saskatchewan to our Florida phosphate operations and mining, manufacturing and distribution facilities in Brazil, we strive to optimize our production processes and reduce our environmental impact.

Our management of water, energy and greenhouse gas emissions and waste is guided by our **Environmental**, **Health and Safety Policy** and commitment to the United Nations Global Compact. Our ESG Performance Targets, progress toward which we report annually, help focus our efforts and track our progress on these key issues.

We support a variety of formal and informal Mosaic channels through which stakeholders can submit concerns. Beyond outreach directly to Mosaic, the public has an opportunity to comment on local, state and federal rules and permits through Public Hearings, Public Notice and formal comment periods. Please see **413-1** for more information.

Water

We recognize that water is a critical natural resource that is essential to the sustainability of our operations, as well as the communities and ecosystems in which we operate. In our direct operations, we consume significant volumes of water in the mining and production of our phosphate and potash crop nutrient products. The primary sources of water for our operations are surface water; rainwater captured within the footprint of our facilities; and groundwater.

Our facilities monitor and evaluate water use to confirm it is minimized, and water recycling and reuse are being maximized. Secondary sources of water include water supplied by local authorities and partially treated industrial and domestic reclaimed water, also supplied by local authorities. Surface water withdrawals include once-through cooling water used by our Louisiana operations and sea water used at our Miski Mayo phosphate joint venture in Peru.

Discharges from Mosaic's Florida and Louisiana phosphate operations to downstream water bodies are highly regulated through federal National Pollutant Discharge Elimination System (permits that are administered by the Florida Department of Environmental Protection (FDEP) and Louisiana Department of Environmental Quality (LDEQ). Discharges are monitored, sampled and analyzed regularly by Mosaic, with reports provided to regulatory agencies to demonstrate compliance with permit limitations. The limitations are based on the water quality standards that protect the designated uses of the receiving water body. Mosaic's Saskatchewan facilities maintain a "zero-discharge" approach. When the discharge of freshwater is warranted following a high precipitation event, it is approved in advance by multiple regulatory agencies.

As it relates to the use of our products, crop nutrient products like those Mosaic manufactures have the potential to run off farmland and into waterways, which can contribute to impaired water quality.

By preserving the quality of water resources, addressing our water risks at a site-level, minimizing our own water use, and promoting agricultural practices that preserve and protect water resources, we reduce the environmental impact of fertilizers on the global food supply. See our **Commitment to Water Stewardship** for more information.

Mosaic's water stewardship efforts are focused on:

- Preserving and maintaining the quality of the water resources we use in the communities where we operate
- Integrating an environment, health and safety management system that is focused on identifying, evaluating and controlling risks
- · Maximizing water recycling and reuse
- Supporting and participating in partnerships that advance nutrient stewardship, habitat conservation and watershed restoration
- Investing in water-efficient technologies and automation to drive improved water performance
- Partnering with industry and government to use alternative water sources
- Reporting our water performance and engaging with stakeholders

Energy and Emissions

Fertilizer production is an energy-intensive activity. We use energy and generate direct and indirect greenhouse gas emissions in the mining, production, distribution and use of our phosphate and potash crop nutrient products. Since our company's formation in 2004, we have invested in initiatives aimed at reducing energy use and emissions — efforts that have resulted in improvements in environmental performance and operating cost savings. By improving the efficiency of our operations and promoting sustainable agricultural practices, we are adapting to the potential threats of climate change and reducing the environmental impact of fertilizers on the global food supply.

See Our Leadership on Climate Change for more information.

Our approach to managing energy and greenhouse gas emissions includes:

- Emphasizing operating efficiency
- Maximizing generation of electricity produced from waste heat at our phosphate manufacturing facilities
- Investing in energy-efficient technologies and evaluating alternative energy sources
- Leveraging our agronomic expertise to promote efficiencies in agricultural systems, which have the potential to enhance customers' productivity
- Advocating for balanced clean energy policy that encourages the generation and consumption of existing, low-cost resources, such as waste heat recovery
- Reporting our energy and GHG performance and communicating with stakeholders

Biodiversity

Protection of biodiversity is critical to global sustainable development and a significant component of Mosaic's sustainability efforts. In both our phosphate and potash operations in the United States, Canada and Brazil, prior to the start of mining — or when extending or expanding a mine — permits are secured from local, regional, state and federal government agencies. This exhaustive planning and approval process protects water, air, ecology, wildlife, transportation, safety and other environmental, health, and public welfare considerations.

We work with multiple parties to evaluate ecological resource preservation opportunities and to avoid and minimize any harm to state and federally protected wildlife species found on mine properties.

Phosphate mining represents a temporary disturbance of ecological resources. Once mining is complete, we conduct acre-for-acre **reclamation** and return mined lands to productive uses for wildlife and people. To promote biodiversity, Mosaic may introduce certain species into reclaimed lands, such as the gopher tortoise, that may have previously resided on the parcel but were moved prior to mining. Introductions and relocations of protected species are conducted in accordance with federal and state requirements and guidelines.

In our potash facilities located in Saskatchewan, Canada, our approach to evaluating potential impacts to wildlife includes biological assessments for projects located in new or expanded footprint areas. Since potash mining is underground, such impacts are rare once a facility is in operation. Assessments include field surveys to identify rare species of plants, birds, mammals, reptiles and amphibians of special concern that may be impacted. Survey methods follow the recommendations of the provincial and federal agencies. Biological assessments for all expansion areas at the potash facilities followed this approach.

We work closely with regulators as to comply with all applicable regulations and agency-approved management plans and to fund or conduct research that promotes the goal of wildlife and habitat conservation.

Waste

Large quantities of byproduct materials generated as a result of mining and processing of potash and phosphate are managed during the operation of a facility, and upon its closure. We apply industry best practices to manage and reuse overburden, tailings and byproducts associated with our mining and production practices. Potash tailings, consisting primarily of salt and clay, are stored in tailings management areas. A portion of the excess salt generated from potash mining is processed and then used for commercial purposes, including road salt, water softener salt, and use in food grade products and industrial uses. Phosphate clay residuals from mining are deposited in clay settling areas (CSAs) located within the approved mine boundaries. These CSAs are eventually dewatered and reclaimed. Overburden and sand tailings produced at our phosphate mines are used in reclamation and mitigation conducted at the mines..

Phosphogypsum, a byproduct of our phosphate manufacturing process, is managed in permitted and heavily regulated phosphogypsum management systems ("gypstacks") in the United States.

In Brazil some phosphogypsum is stacked, whereas the remainder is sold to third parties for use in agricultural and industrial applications. We sell most of the total volume of phosphogypsum generated at the Cajati and Uberaba facilities. We store the process water that separates from phosphogypsum during the dewatering process in gypstacks. We are subject to federal, state and local regulations related to these materials.

Certain solid wastes generated by our phosphates operations in the United States are subject to regulation under the Resource Conservation and Recovery Act (RCRA) and related state laws. The EPA rules exempt "extraction" and "beneficiation" wastes, as well as 20 specified "mineral processing" wastes, from the hazardous waste management requirements of the RCRA. Accordingly, certain residual materials like phosphogypsum, as well as process wastewater from phosphoric acid production, are exempt from RCRA's hazardous waste regulations. Phosphogypsum and process wastewater nonetheless still are subject to extensive regulation.

Mosaic's operations generate a variety of nonhazardous solid wastes, including domestic refuse, construction and demolition debris, and waste lubricants. Our waste management program provides assurance that all of our locations have a process in place to minimize waste generation, maximize recycling, and to ensure that waste management practices do not adversely affect the environment or health and safety of employees and the public.

We endeavor to choose on-site process chemicals that are the least hazardous, thereby seeking to lower risk to occupational health and safety and minimizing waste management implications. Mosaic facilities generate hazardous waste during production and maintenance operations. The types of hazardous solid waste generated at Mosaic's United States facilities typically include spent cleaning solvents, paint-related wastes and some spent laboratory chemicals. At concentrate facilities, wastes generated during production and maintenance operations include waste that is characteristically hazardous for corrosivity and/or toxicity (e.g., low pH and/or metals content). Each location has an appropriate hazardous waste management system to ensure that the waste is properly and safely disposed. No hazardous wastes are shipped internationally for disposal.

We continue to improve our comprehensive waste management strategy, accounting for federal, state and local requirements and to align it to the Mosaic environmental health and safety management system.

Environmental Compliance

We support a variety of formal and informal Mosaic channels through which stakeholders can submit concerns. Please see **413-1** for more information

303-1 Total water withdrawal by source

GLOBAL WATER WITHDRAWALS (,000m³)						
	2017	2018*	2019	2020	2021	
Groundwater	78,846	72,847	70,843	77,104	68,971	
Municipal	7,050	1,296	1,003	1,048	737	
Reclaimed (third party) Water	9,249	9,888	8,642	8,436	8,590	
Surface Water	232,393	301,441	218,550	258,652	209,256	
Total	327,538	385,471	299,038	345,240	287,554	

NOTE: Reclaimed (third-party) water includes waste water sources from industry or municipalities. We use reclaimed water as alternative source water to offset reliance on freshwater sources. Surface water includes once-through cooling used at our Uncle Sam, Louisiana facility, and seawater used at our Miski Mayo joint venture in Peru. Please see our discussion of freshwater intensity for our year-over-year performance toward our freshwater reduction target.

Five Mosaic facilities are located in basins considered to be in high or extremely high water stress according to the World Resources Institute Aqueduct Water Risk Atlas tool. One of the facilities operates almost exclusively on seawater, which undergoes a process of desalination before it is used. Actual freshwater withdrawals from these facilities represent less than 10 percent of Mosaic's total groundwater withdrawals.

In 2021 we announced a target to reduce our freshwater withdrawals by 20 percent per tonne of product by 2025. As of the end of 2021, we have achieved a 18 percent reduction since our 2015 baseline and a 2 percent decrease since 2020. Last year we disclosed a significant reduction in freshwater use that occurred, in part, due to the nonlinear and cyclical nature of water use and we maintained those reductions in 2021. We are on track to meet our 2025 targets.

The values reported below reflect a freshwater intensity measurement, in line with our targets. Our intent with this metric is to drive water efficiency improvements across our business and to increase the use of alternative sources.

FRESHWATER INTENSITY (m³/TONNE)					
	2017	2018*	2019	2020	2021
Mosaic legacy ¹	4.85	4.52	4.85	4.70	4.63
Mosaic companywide ²		6.69	6.66	6.53	6.34

NOTE: ¹Mosaic Legacy figures do not include recently acquired Mosaic Fertilizantes facilities in Brazil since they were not part of the original target setting process. ²Companywide freshwater intensity includes acquired facilities. This figure is different from our freshwater target in that it includes closed and idled sites. For withdrawals and total intensity broken down by business segment, please see our 2021 Environment Metrics Supplement.

Back to ESG Performance Targets >>

303-2 Water sources significantly affected by withdrawal of water

All of Mosaic's operations use recycled or reused water when possible to minimize reliance on freshwater resources.

North America

Our Central Florida operations use captured rainfall as an "alternative water supply." Groundwater use is heavily regulated and is used by Mosaic to supplement captured rainfall. Local regulations promote the use of available alternative water supplies, such as reclaimed water from municipalities, before groundwater use. Mosaic Florida sites received reclaimed water from six municipal waste water treatment plants in 2021 at an average rate of 6 million gallons per day (MGD).

Mosaic Florida Phosphates operations do not withdraw water from nationally or internationally protected surface water sources. However, Mosaic has two withdrawal points from springs: Lithia Springs and Buckhorn Springs. This water is used at Mosaic's Riverview facility. In 2021, an average of 3 MGD was pumped from Lithia Springs and less than 0.2 MGD from Buckhorn Springs, representing less than 10 percent of the annual average spring flow for these springs. Although the state of Florida has over 700 springs, 30 of which have been designated as Outstanding Florida springs and are afforded extra protection, neither Lithia nor Buckhorn Springs are on the Outstanding Florida spring list. Nonetheless, Lithia Springs is a valuable recreational and cultural asset to the local community. Mosaic and its predecessors have leased Lithia Springs as a 160-acre recreational park to Hillsborough County since 1957.

In the Potash business, water use, including source and allocated volumes, are subject to site-specific regulations and permits. Water used in the operations process is recycled or reused, when possible. Our Saskatchewan potash operations withdraw from provincially regulated surface water and groundwater sources. Many of these sources also provide drinking water for nearby communities, and the surface water sources, including Cutarm Creek, Buffalo Pound Lake and Zelma Reservoir, are also used for recreational purposes. None of these sources are designated as national or international conservation areas.

Brazil

The Mosaic Fertilizantes business does not withdraw from nationally or internationally protected water sources, though some facilities are located near water bodies or regions that have significant biodiversity value. For example, our Cajati mine is located approximately 15–20 km from a Ramsar-listed protected area in the states of São Paulo and Paraná that contains diverse landscape and animal and aquatic environments. No withdrawals are made from water bodies within this protected area, but we do withdraw water from the Jacupiranguinha River, an important natural resource for the region and local community since it is home to endemic species and serves as a source of public water supply for the community. In 2021, withdrawals from this water body amounted to approximately 35 percent of the site's permitted volumes and less than 10 percent of the average daily flow of this river. Some of our facilities withdraw from sources in or near communities that are also used for drinking water or recreational purposes. All our facilities are heavily regulated and subject to facility-specific regulations, monitoring requirements and permits relating to water source and allocations. Please see 303-1 and 303-3 for additional context.

303-3 Total volume of water recycled and reused

Figures are based on total water used by facility, less freshwater withdrawals.

2021 RECYCLE AND REUSE VOLUME (,000m³)					
BUSINESS SEGMENT	RECYCLE AND REUSE VOLUME				
Phosphates	850,154				
Potash	15,953				
Mosaic Fertilizantes	580,827				

NOTE: Carlsbad, N.M., South Pierce, Fla., and Faustina and Uncle Sam, La., are not included in respective business calculations. Belle Plaine is a solution mine, and therefore, water use and methodology for recycle/ reuse rate differs from shaft mining operations. However, recycled volumes from that facility are included in the totals for Potash. Legacy Brazil facilities historically reported under International Distribution segment are now reported under Mosaic Fertilizantes segment.

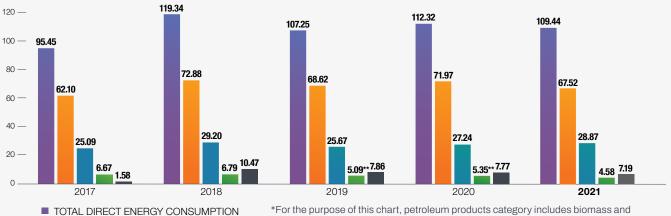
302-1 Energy consumption within the organization

Companywide, our direct and indirect energy use totaled 122.1 million gigajoules (GJ) in 2021. Our total direct energy consumption in 2021 was 109.4 million GJ and indirect energy consumption, which is the use of purchased electricity, was 12.7 million GJ.

Direct Energy Consumption by Source

Approximately 93 percent of Mosaic's worldwide total direct energy consumption in 2021 was from two sources: waste heat from sulfuric acid production and natural gas. The remaining portion was made up of petroleum products and propane.

TOTAL DIRECT ENERGY CONSUMPTION BY SOURCE (MILLION GJ)



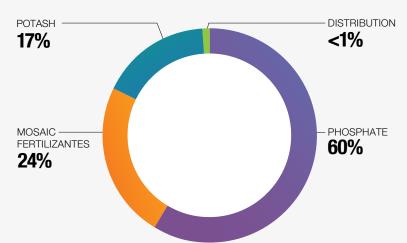
- STEAM FROM CAPTURED HEAT

 NATURAL GAS
- COGENERATED ELECTRICITY
 PETROLEUM PRODUCTS*
- *For the purpose of this chart, petroleum products category includes biomass and ethanol as consumed in our Mosaic Fertilizantes business.
- **We have revised our direct energy calculation to align with GRI standard for this indicator. Moving forward, it will exclude cogenerated electricity from our Belle Plaine, Saskatchewan facility, which produces cogenerated electricity in a process using natural gas. The quantity of natural gas used to create 1.2 million GJ of power at Belle Plaine in 2021 is included in companywide natural gas totals. The remaining cogenerated electricity includes power generated from waste heat from the sulfuric acid manufacturing process in our Florida, Louisiana and Brazil phosphate operations.

In 2021, our North America phosphates operations used a portion of steam energy from the sulfuric acid manufacturing process to produce 3.8 million GJ of electricity through a process called cogeneration, approximately 94 percent of which, or 3.6 million GJ, was used internally at our plants and mines. We consider the waste heat from sulfuric acid production to be a direct primary energy source for our North America phosphate operations. We exported approximately 230,000 GJ of power to the local utility grid in North America in 2021. Three of our Brazil facilities used a similar process to harness waste heat from the sulfuric acid manufacturing process, resulting in generation of approximately 990,000 GJ of energy for use at their operations. In 2021, our Brazil operations sent approximately 1,300 GJ of electricity to the utility grid.

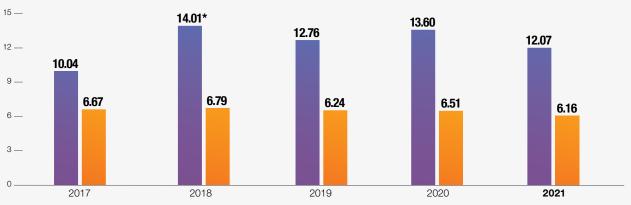
Mosaic looks for opportunities to improve the efficiency and expand the electricity output of our cogeneration assets. Mosaic could have additional opportunities for harnessing emissions-free power under a more supportive regulatory construct. We advocate for a balanced renewable energy policy that recognizes cogenerated power from waste heat as emissions-free power; incentivizes and expands the generation and consumption of existing, low-cost clean energy, such as waste heat recovery; and promotes a universal clean energy credit assigned to all zero-emissions electricity.

DIRECT ENERGY CONSUMPTION BY BUSINESS SEGMENT 2021 (%)



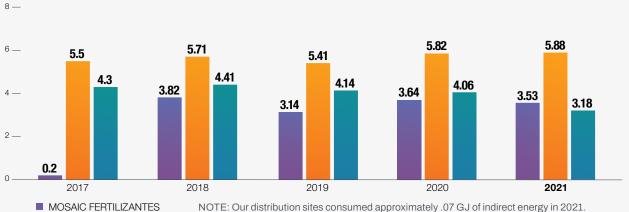
NOTE: The Phosphates and Mosaic Fertilizantes businesses use a significant amount of waste heat energy from the sulfuric acid manufacturing process, which is accounted for here. Distribution facilities accounted for less than 1 percent of companywide direct energy use.

INDIRECT ENERGY CONSUMPTION BY PRIMARY ENERGY SOURCE (MILLION GJ)



 st Indirect energy, which is electricity purchased from the grid, represented approximately 10 percent of Mosaic's total annual energy use in 2021 (12.7M GJ). As visualized here, our use of cogenerated electricity (6.16 GJ companywide in 2021) offsets what we would otherwise have to purchase from the grid.

INDIRECT ENERGY CONSUMPTION BY BUSINESS SEGMENT (MILLION GJ)



■ PHOSPHATE POTASH

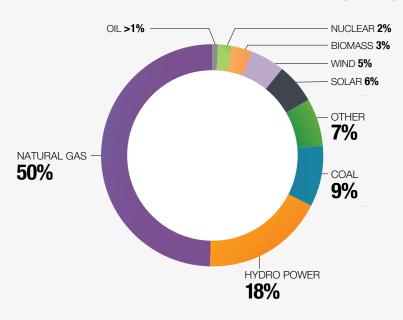
■ PURCHASED ELECTRICITY

■ COGENERATED ELECTRICITY

Indirect Energy Consumption by Fuel Source

Approximately 30 percent of Mosaic's worldwide indirect energy consumption from purchased electricity in 2021 is from renewable sources, including solar, hydroelectric, biomass sources and wind power.

INDIRECT ENERGY CONSUMPTION BY GENERATION SOURCE (PERCENT)



NOTE: Subtotals do not add up exactly to 100 due to rounding. Purchased electricity sources for facilities in the United States and Canada are categorized using generation mixes from respective utilities' annual reports and may not represent the composition of power we actually received after renewables have been allocated to other grid customers, when instruments are available. Brazil's composition mix is based on information from their Balanço Energético Nacional 2021 report. Renewable sources — including hydroelectric, wind, biomass and solar — total approximately 4,051,745 GJ or 30 percent of companywide indirect energy consumption. The remaining purchased electricity is from sources categorized as "unknown" or nonrenewable sources.

302-3 Energy intensity

DIRECT AND INDIRECT ENERGY INTENSITY (GJ/TONNE)					
	2017	2018	2019	2020	2021
Mosaic Legacy ¹	2.31	2.47	2.39	2.44	2.58
Mosaic Companywide ²		2.83	2.60	2.57	2.75

NOTE: ¹Mosaic Legacy figures do not include recently acquired Mosaic Fertilizantes facilities in Brazil since they were not part of the 2015 energy target setting process. ²Companywide energy intensity includes acquired facilities. For intensity broken down by business, please see our 2021 Environment Metrics Supplement.

302-4 Reduction in energy consumption

Our energy improvement and sustainability process is part of a broader strategic business plan designed to help Mosaic reduce greenhouse gas emissions and meet or exceed efficiency, production and profitability requirements. This plan includes strategies for lowering purchased energy consumption through more efficient processes and maximizing use of cogenerated energy.

We also emphasize energy efficiency in our office facilities. Mosaic's Florida headquarters in FishHawk was designed and constructed to Leadership in Energy Environmental Design (LEED) standards and maintains its ENERGY STAR certification. Mosaic's leased Regina, Canada, offices were built to LEED standards and included the purchase of interior design elements, furniture and products, as well as other energy efficiencies associated with LEED. The Regina office was LEED certified in 2017.

In 2021 we completed behavioral change, energy efficiency, fuel switch and process optimization projects that resulted in energy savings of approximately 120,000 GJ.

305-1 Direct GHG emissions (Scope 1)

Back to ESG Performance Targets >>

305-2 Indirect GHG emissions (Scope 2)

WORLDWIDE GHG EMISSIONS (MILLION TONNI	ES CO ₂ e)				
BUSINESS SEGMENT/EMISSION TYPE	2017	2018	2019	2020	2021
Phosphates	2.30	2.56	2.29	2.56	2.30
Direct Emissions	1.50	1.87	1.67	1.88	1.68
Indirect Emissions	0.81	0.69	0.62	0.67	0.61
Potash	1.81	1.83	1.66	1.60	1.49
Direct Emissions	0.90	0.93	0.91	0.88	0.93
Indirect Emissions	0.91	0.90	0.74	0.73	0.56
Mosaic Fertilizantes	0.05	0.88	0.63	0.75	0.74
Direct Emissions	0.03	0.78	0.56	0.67	0.61
Indirect Emissions	0.01	0.10	0.08	0.07	0.13
Emissions from Biofuels (CO ₂)		0.18	0.16	0.14	0.14
Distribution	0.02	0.01	0.01	0.01	0.01
Direct Emissions	0.00*	0.00*	0.00*	0.00*	0.00*
Indirect Emissions	0.01	0.01	0.01	0.01	0.00
Total Direct Emissions		3.58	3.13	3.44	3.23
Total Indirect Emissions		1.69	1.45	1.48	1.30
Total Emissions	4.17	5.28	4.58	4.92	4.53

NOTE: Figures exclude emissions from land use change in our Florida phosphate operations. We expect that these emissions are material to our total global footprint; as of the date of this report, we are working to quantify this source as part of our Scope 1 emissions total. Approximately 29 percent of Mosaic's Scope 1 emissions (those generated in Canada) are covered under emissions-limiting regulations. Total emissions figures are higher starting in 2018 due to inclusion of recently acquired Mosaic Fertilizantes facilities in Brazil. Legacy Brazil facilities previously reported under International Distribution segment are now reported under Mosaic Fertilizantes segment. Distribution, as reported here, represents Streamsong Resort and Mosaic-owned facilities involved in warehousing, blending and/or shipping Mosaic's products. Totals marked with an asterisk are less than 0.01 million tonnes. Direct emissions include Mosaic's consumption of natural gas, diesel, other fuels, process related activities, water treatment and refrigerants. Indirect emissions are location-based only and include electricity purchased from third-party utilities. The Mosaic Fertilizantes business consumes biomass and ethanol as fuel alternatives. Per the GHG Protocol, we have added a line item to account for CO₂ emissions from biomass. N₂O and CH₄ are represented within the direct emissions totals. 2020 emissions from biomass are higher due to an error in our 2019 figure, which we have elected not to restate because it does not have a significant impact on our total emissions. Mosaic uses guidance from the CDP for calculating and reporting carbon dioxide equivalence (CO₂e). Subtotals may not always add up to totals due to rounding. Please see Mosaic's CDP Climate Change response for more information on our GHG emissions performance.

305-3 Other indirect GHG emissions (Scope 3)

OTHER INDIRECT GHG EMISSIONS (MILLION TONNES CO ₂ e)					
SCOPE 3 CATEGORY	•	2021			
Category 11:	Purchased Goods and Services	2.26			
Category 3:	Fuel-and-Energy-Related Activities	0.58			
Category 42:	Upstream Transportation and Distribution				
	Florida and Louisiana Trucking	0.04			
	Global Rail Shipments	0.27			
Category 113:	Use of Sold Products	5.79			
Category 154:	Investments	0.54			

NOTE: ¹Category 1 emissions are associated with the purchase of ammonia for production of phosphate crop nutrients and use in smaller applications at our Esterhazy, Saskatchewan complex. ²Trucking represents upstream transportation of raw materials, in-process and finished goods related to our Florida and Louisiana Phosphate operations. Rail emissions exclude unladen backhaul trips. 3The emissions associated with use of sold products is from 2019 IPCC N_oO emissions from managed soils. We applied a Tier 1 methodology, which does not take into account different land cover, soil types, climatic conditions or management practices. ⁴Investment category includes emissions associated with our 25 percent interest in a joint venture investment in MWSPC, which operates a mine and chemical complex that produces phosphates fertilizers and other downstream products in the Kingdom of Saudi Arabia. Please see our 2021 CDP Climate Change response for more information about our Scope 3 emissions.

305-4 GHG emissions intensity

DIRECT AND INDIRECT GHG EMISSIONS INTENSITY (METRIC TONNE CO ₂ e/PER TONNE OF FINISHED PRODUCT)					
	2017	2018	2019	2020	2021
Mosaic Legacy ¹	0.22	0.24	0.23	0.24	0.23
Mosaic Companywide ²		0.25	0.23	0.23	0.23

NOTE: 1 These figures do not include Mosaic Fertilizantes facilities in Brazil that were acquired in 2018. For total GHG intensity broken down by business, please see our **2021 Environment Metrics Supplement**. Gases included in our calculation are CO_2 , CH_4 and N_2O . 2 This intensity value differs from our targets calculation in that it includes all of our operating sites, including those idled or in closure status.

In 2020 we announced a target to reduce our Scope 1 and 2 greenhouse gas emissions by 20 percent per tonne of product by 2025. As of the end of 2021, we have achieved an 11 percent reduction since our 2015 baseline and a 2 percent decrease since 2020.

Back to ESG Performance Targets >>

305-5 Reduction of Greenhouse Gas (GHG) emissions

Mosaic is taking a proactive approach to reductions in GHG emissions, with an emphasis on technology and improving energy efficiency with behavioral changes, process improvements, equipment upgrades and bold solutions. GHG emissions reductions resulting from the energy saving initiatives reported in 302-4 equal approximately 40,000 tonnes of CO_2 e, the equivalent of taking more than 8,000 average United States cars off the road for a year. For more information on Mosaic's efforts to reduce GHG emissions and address climate change, please see our 2021 CDP Climate Change response.

In late 2021, we announced targets to reach net-zero GHG emissions in our Florida operations by 2030 and companywide by 2040. Our pathway focuses foremost on mitigation of emissions from our operations, and we are exploring opportunities to leverage nature-based solutions on our significant landholdings.

Reducing Impacts Associated with Product Use

The GHG impacts associated with the downstream application of our products — primarily potash and phosphate crop nutrient products — are minimal compared to nitrogen-based fertilizer products but relevant nonetheless. We report those emissions (Scope 3, Category 11) in 305-3. Nevertheless, we understand the role we play in reducing the environmental impact of fertilizers on the global food supply and we are engaged with agricultural stakeholders on multiple fronts.

- Mosaic promotes the use of agricultural best practices by supporting including research and advancing educational outreach on practices that minimize GHG emissions and other environmental impacts associated with the use of crop nutrient products. Further, Mosaic supports the minimization of GHG emissions and other environmental impacts from the global food supply by encouraging stakeholders to enhance their understanding, adoption and promotion of 4R Nutrient Stewardship.
- Mosaic maintains active partnerships with industry-leading research centers, targeting agriculture efficiency and productivity improvements that may facilitate GHG reductions associated with use of Mosaic's products. In 2021, we conducted 560 small plot trials in Argentina, Brazil, Chile, China, Canada, India, Latin America (Mexico to Peru) and the United States.
- We have also recently announced agreements with three companies (AgBiome, Bioconsortia and Sound Agriculture) to develop and launch agricultural solutions, including a nutrient efficiency product and a nitrogen-fixing microbial product, that contribute to soil health and have positive environmental benefits.
- Mosaic acquired Plant Response Inc. (PRI). PRI is a leader in developing and manufacturing biological solutions for nutrient efficiency and enhancement as well as a producer and marketer of liquid and organic fertilizers derived from food waste.
- Importantly, Mosaic is strategically partnering with stakeholders and increasing research and development to improve nutrient use efficiencies of our products. In 2021, MicroEssentials® was designated as an Enhanced Efficiency Fertilizer (EEF) by the Association of American Plant Food Control Officials (AAPFCO) in 2021. EEF products reduce nutrient losses to the environment through the slow release of nutrients or by disrupting the conversion of nutrient forms in the soil that are susceptible to loss all while increasing nutrient availability for the crop. Innovative fertilizers, like EEFs, are an important component of 4R Nutrient Stewardship. Combined with 4R practices, the use of EEFs and other emerging technologies will help to promote more sustainable farming practices while also solving for the world's increasing demand in food supply. Realizing the role these products referred to as "Performance Products" at Mosaic play in contributing to positive agricultural and societal outcomes, we established a companywide target in 2020 to increase our sales of them as a share of total crop nutrient production.
- In Brazil, where approximately 60 percent of pastureland is degraded, we launched MPasto, a line of fertilizer products developed to address the health of pastureland. Pasture recovery optimizes use of the land, recovering the chemical, physical and biological properties of the soil and enabling more efficient livestock systems and better economic returns.

Back to ESG Performance Targets >>

305-7 NO_x , SO_2 and other significant air emissions

CRITERIA AIR AND OTHER I	CRITERIA AIR AND OTHER POLLUTANTS (,000 TONNES)						
EMISSION TYPE	2017	2018	2019	2020	2021	NORMALIZED 2021	
NO _x	2.85	3.25	2.84	2.33	4.29	0.22	
CO	0.90	1.06	0.84	0.55	0.96	0.05	
PM	6.09	6.24	4.70	4.37	5.56	0.29	
SO ₂	15.77	19.31	16.47	15.64	16.92	0.87	
VOC	0.20	0.28	0.20	0.12	0.23	0.01	
NH ₃	1.61	1.01	0.30	0.05	0.23	0.01	
FL	0.14	0.28	0.21	0.17	0.19	0.01	
H ₂ S	0.01	0.01	0.01	0.01	0.02	0.00	
SAM	0.30	0.34	0.27	0.24	0.32	0.02	
HF	0.13	0.14	0.42	0.46	0.46	0.02	

NOTE: 2021 air emissions were not available at time of publication. We will update the report when values are available. We attribute lower 2019 emissions to a variety of factors, including management efforts at our manufacturing plants and temporary idling of Louisiana facilities. Figures higher in 2018 due to inclusion of recently acquired Mosaic Fertilizantes facilities in Brazil. Emissions based on stack test results and emission factors. "Normalized" refers to the emissions value per 1,000 tonnes of finished product. Values marked with an asterisk are less than 0.01 per 1,000 tonnes. "FL" represents total fluorides, including elemental fluorine and fluoride compounds. "H₂S" for some sites is accounted for as "total reduced sulfur" per local permitting requirements, which may mean we are overreporting actual H₂S emissions.

304-1 Operational sites owned, leased, managed in, or adjacent to protected areas and areas of high biodiversity value outside protected areas

North America

In Florida, although there are no UNESCO World Heritage sites or International Union for Conservation of Nature (IUCN) protected management areas near our operations, Mosaic has placed approximately 22,000 acres in conservation easements along wildlife corridors and other ecologically significant habitats. As of December 31, 2021, Mosaic owned or maintained mineral interests in about 371,563 acres of land in Florida related to our phosphate surface mining operations. These mine areas may abut or contain habitat and wildlife corridors, many of which are recognized on official state maps as being high in biodiversity. While Mosaic lands are not adjacent to, nor do they contain land registered as IUCN protected areas, many of these lands are permanently protected through conservation easements. As of 2021, Mosaic owns or controls more than 33,000 acres in Florida that are designated as preservation for conservation easements, non-impacted floodplain, and high-quality wetlands.

As of the second half of 2021, Mosaic operates three Canadian potash facilities, all located in the southern half of the province of Saskatchewan, including our solution mine at Belle Plaine and shaft mining operations in Esterhazy and Colonsay. (Please refer to 102-10 for more information about changes at our potash mining operations in Canada that occurred due to increased brine inflows at our Esterhazy site.) Mosaic has mineral rights to approximately 619,000 acres in Saskatchewan for potash mining and surface rights to approximately 35,000 acres. Mosaic's United States potash operations include a shaft mine in Carlsbad, New Mexico, with mineral rights to approximately 77,000 acres for potash mining and approximately 7,200 acres of surface rights. Fewer than 1 percent of our proven and/or probable reserves are beneath lands that have been categorized as being protected through mechanisms such as Crown Conservation Easements, IUCN or the Wildlife Habitat Protection Act. It is important to note that unlike in a traditional metals mining setting, potash shaft mining in Saskatchewan occurs at more than 3,000 feet below surface, and potash solution mining requires limited acreage for surface infrastructure. Therefore, the only surface areas that are disturbed are the actual footprint of the mine shaft and the adjacent above-ground processing facilities and tailings management areas.

Brazil

Mosaic operates five phosphates mines and one potash mine, and four crop nutrient production facilities in Brazil, totaling approximately 312,000 acres. Some Mosaic facilities in Brazil, such as the Cajati mine, are located in regions with high biodiversity value. The Cajati mining operations occupy approximately 4,699 acres near the Ribeira Valley region in the state of São Paulo. Though not within a protected area, this facility is near a region that is considered to have high cultural and biodiversity value due to the existence of prominent archaeological sites, diversity of flora and fauna and threatened species as defined by IUCN. Similarly, there are approximately 700 acres of environmental reserves area near our Uberaba production facility, which occupies approximately 1,438 acres in the state of Minas Gerais. Though not registered as IUCN protected areas, this land and others adjacent to many of our mining or production facilities are protected by stringent site-specific permit requirements and government regulations.

304-2 Descriptions of significant impacts of activities, products and services on biodiversity in protected areas and areas of high biodiversity value outside protected areas

Thriving and complex biodiversity is essential to ecosystem health and basic human rights. Due to our global footprint and the nature of our activities, some of our operations are adjacent to or near areas with high biodiversity value. Effective biodiversity management is Mosaic's responsibility, and it is critical to our maintenance of regulatory and community support for our activities.

Phosphate Mining and Production in the United States and Brazil

As part of an extensive permitting process, regulatory agencies review comprehensive site survey data and assessment reports to determine and approve temporary impacts to species and habitat. Site specific Wildlife and Habitat Management Plans are developed for each mine, which outline measures to be implemented to protect and manage wildlife, listed species and their habitats, including provisions for pre-clearing surveys and species relocation for less mobile species, such as the gopher tortoise.

We generate direct and indirect greenhouse gas (GHG) emissions in the mining and production of Mosaic's phosphate crop nutrient products. We report those impacts in **305-1** and **305-2**.

The groundwater level in mining areas, which is drawn down for safety of personnel and to allow for more efficient recovery of phosphate ore, is restored once mining is complete and the area is backfilled. The typical duration between land clearing and restoration of habitat is about 10 years. Wildlife re-population of constructed habitat areas — mainly due to their connection to other habitats and foraging areas — demonstrate the reversibility of the impacts. Because mining occurs in a sequential pattern, while new areas are being cleared for mining, additional preservation areas are being set aside and habitat restoration in other areas of the mine site is being completed such that habitat areas remain available for the affected species.

As with any land disturbance activity, affected land lends itself to nuisance plant species proliferation. Mosaic, however, uses aggressive approaches to establish biodiversity and minimize the proliferation of invasive species. In fact, post reclamation wildlife surveys indicate that even though the ground surface may be affected for several years as a result of the mine process, revegetation and repopulation of these sites with wildlife species is successfully achieved. Many bird species are attracted to the water features contained within the active mine operation and remain onsite throughout the process.

Phosphate mining operations in Brazil use an open pit process to extract phosphate reserves. The process is heavily regulated and there are procedures in place to minimize impacts to wildlife and habitats. Each of our mining operations in Brazil has a management plan and environmental compensation strategies that address the locations' unique biodiversity needs. As an example of our environmental compensation strategies, we set aside a portion of the mining site — approximately 20 percent of the project footprint — as part of our efforts to preserve and protect unmined land. Please see 303-2, 304-1 and MM2 for more information.

Potash Mining and Production in Brazil, the United States and Canada

Potash mining operations in Brazil, Canada and the United States use shaft and solution mining techniques. Because of the limited footprint on surface features, such as surface infrastructure and tailings management areas, impacts to wildlife and habitats are also highly localized and relatively small in scale. Prior to surface development, Mosaic's Saskatchewan facilities consult multiple stakeholders as part of best management practices and procedures that minimize risk to wildlife and habitats in our operating areas. In Carlsbad, open bodies of surface saline waters attract migratory birds. We have robust efforts in place to reduce impacts to avian populations, working in collaboration with local regulators and stakeholders.

Our potash operations also generate direct and indirect greenhouse gas emissions associated with mining and crop nutrient production. We report those impacts in **305-1** and **305-2**.

MM1 Land disturbed or rehabilitated

In our Florida phosphate operations, Mosaic reports our Florida mining and reclamation activities to the Florida Department of Environmental Protection (FDEP) Mining and Mitigation Program. Once we have satisfied all reclamation requirements with respect to mined and disturbed lands, the FDEP "releases" those acres from further reclamation obligation and those reclaimed lands, are then considered "released acres" by FDEP. Accordingly, an increase in the annual released acreage is the result of our satisfaction of those reclamation requirements.

Our Brazil phosphate operations use an open pit process to extract phosphate reserves. Once mining is complete, land recovery efforts include re-sloping and revegetating the mined area.

LAND MINED AND RECLAIMED (ACRES)

FLORIDA PHOSPHATE OPERATIONS¹

	MINED AND DISTURBED MINED AND DISTURBED (INITIAL REVEGETATION COMPLETE)		RELEASED		
YEARS	MINED	DISTURBED ONLY	MINED	DISTURBED	MINED & DISTURBED
All Previous	155,112	42,492	120,174	36,696	99,796
2017	2,964	1,437	2,449	134	2,089
2018	2,331	-1,174	719	405	3,660
2019	1,843	1,533	1,432	-131	3,849
2020 ²	1,817	362	835	76	757
2021 ²	1,531	972	1,082	194	139
Total	165,597	45,622	126,691	37,374	110,291

BRAZIL PHOSPHATE OPERATIONS³

	м	INED	MINED AND DISTU	JRBED RECOVERED	PENDING RECOVERY
YEARS	MINED	DISTURBED	MINED	DISTURBED	MINED & DISTURBED AREAS
2018	4,060	16,457	0	3,099	17,418
2019	3,919	12,778	64	2,296	14,340
2020	3,024	11,634	27	1,609	13,025
2021	1,836	4,412	123	651	5,474
Total	12,839	45,281	214	7,655	50,257

NOTE: 1Estimated acreages based on Annual Mine and Reclamation Reports submitted to the Florida Department of Environmental Protection (FDEP) pursuant to Chapter 62C-16.0091 F.A.C. and FDEP approved Conceptual Reclamation Plans. "Released" acres are those acres with no further reclamation obligations pursuant to Chapter 62C-16 F.A.C. Additional mitigation releases required pursuant to WRP, ERP, County and USACE Section 404 permits are not accounted for in this table. 2As of the date of this publication's release, 2020-2021 reports have not been validated by FDEP. Accordingly, these figures are estimates only and may be revised in future reports. 3We are reporting mined and recovered area for Mosaic Fertilizantes back to 2018, the year we acquired this business in Brazil.

MM2 Number and percentage of sites identified as requiring biodiversity management plans

All active mine sites within the United States, Canada and Brazil are required to operate pursuant to federal, state/provincial and local regulations related to management of habitat and wildlife. Mosaic has three operating mines in Florida; all (100 percent) have both Wildlife and Habitat Management Plans and Wetland Mitigation plans to promote and maintain biodiversity. While Mosaic's Carlsbad, NM potash mine is an underground mine, it maintains an active migratory bird program. In Saskatchewan wildlife management plans and procedures are used to ensure compliance with applicable legislation, project approvals and commitments. In Brazil, each of our five active mine sites has a biodiversity management plan in place. Environmental Stewardship, including biodiversity and preservation of important ecological sites, is a critical part of Mosaic's sustainability efforts.

304-3 Habitats protected or restored

In our Florida phosphate mining operations, we restore or reclaim every acre of land we mine or disturb, with an emphasis on habitat. We report those activities in MM1. Consequently, there are at least as many acres in habitat after mining as before. In addition, environmentally sensitive lands — typically about 20 percent of a project site — are set aside for preservation, with additional reclaimed wetlands and some uplands (such as gopher tortoise recipient sites) protected in perpetuity through conservation easements. For example, a typical 10,000 acre mine site may be composed of about 25 percent wetland and 30 percent upland habitat, with the balance in other uses such as agriculture. Frequently — prior to mining — much of this habitat is fragmented or unconnected due to historical agricultural practices. Thus, holistic mitigation plans allow restoration to be consolidated and intertwined — as well as interconnected to the high-quality preserved land — to promote wildlife re-establishment and migration as well as in providing buffers for streams and flowways. Success of these restoration efforts is determined by standards imposed by regulatory agencies, and independent assessments by third-party ecological professionals. Mosaic's Florida business planted approximately 575,000 trees in 2021, reclaiming uplands, significant upland habitats and wetlands. Please see MM1 for information on our reclamation activities in 2021.

Mosaic has fostered partnerships with, and funding for, a variety of non-governmental organizations (NGOs) and academic institutions to advance our understanding of the habitats we manage through reclamation. Examples of these groups include Tampa Bay Watch, The Nature Conservancy, Archbold Biologic Station and Audubon, Florida.

Mosaic's Potash business segment is similarly committed to habitat restoration. For example, in 2012, Mosaic made a grant to Ducks Unlimited for \$2 million that will restore at least 500 acres of wetlands over a 10-year period in Saskatchewan. 2021 marked the tenth year of this agreement and met the 500 acres goal by the end of 2021.

As part of our environmental compensation efforts in the Mosaic Fertilizantes segment, we set aside a portion of a mining site — approximately 20 percent of the project footprint (but in certain cases as much as 80 percent) — to preserve and protect unmined land in its natural state. Additionally, as part of other mining requirements, we complete other environmental compensation actions such as planting trees. As of 2021, more than 25,000 acres were classified as protected, preserved or restored. As another example of the Mosaic Fertilizantes business's efforts, in 2021 we invested in wildlife and forest preservation programs in the southwest region of the state of Minas Gerais. We also contributed to efforts to preserve and monitor at-risk avian species including the Brazilian merganser. Mosaic has invested in a mangrove monitoring and waste removal program, which has observed recovery of the mangrove area adjacent to the Fospar facility. Mangroves are an important resource for protection of coastal wetlands and habitat for valuable species of fish, crustaceans, mammals, birds and insects.

304-4 Total number of IUCN Red List species and national conservation list species with habitats in areas affected by operations, by level of extinction risk

Mosaic does not specifically manage wildlife species per the International Union for Conservation of Nature (IUCN) List designations, but rather in accordance with rules established for threatened or endangered species by regulatory agencies with authority in the regions in which we operate. Some of the species listed below are present on lists that are applicable to the region in which the facility is located.

IUCN RED LIST OF SPECIES POSSIBLY IN THE VICINITY OF OPERATIONS

FLORIDA PHOSPHATE OPERATIONS

IUCN RED LIST DESIGNATION	NUMBER OF SPECIES	TYPE OF SPECIES
Endangered	_	_
Vulnerable	5	Florida bonneted bat, Florida mouse, gopher tortoise, Florida scrub jay, West Indian manatee
Near Threatened	5	Gopher frog, short-tailed snake, common bobwhite, loggerhead shrike, wood thrush, common grackle

Florida state or federally listed threatened species considered IUCN Least Concern include the burrowing owl, Florida pine snake, least tern, little blue heron, Southeast American kestrel, tricolored heron, wood stork, Eastern indigo snake, crested caracara, American alligator, Eastern diamondback rattlesnake. We manage these species in accordance with rules established by applicable regulatory agencies.

IUCN RED LIST OF SPECIES POSSIBLY IN THE VICINITY OF OPERATIONS

U.S. POTASH OPERATIONS (NEW MEXICO)

IUCN RED LIST DESIGNATION	NUMBER OF SPECIES	TYPE OF SPECIES
Endangered	_	_
Vulnerable	_	_
Near Threatened	1	Snowy plover

Five animals were added to IUCN Red List for desert land regions in New Mexico. Three are considered "data deficient" at this time and we will continue to monitor their conditions on the Red List. The other two, the Two-tailed Tiger swallowtail and Woodhouse's Toad, are considered "Least Concern" status.

IUCN RED LIST OF SPECIES POSSIBLY IN THE VICINITY OF OPERATIONS

CANADA POTASH OPERATIONS

IUCN RED LIST DESIGNATION	NUMBER OF SPECIES	TYPE OF SPECIES
Endangered	_	_
Vulnerable	3	Horned grebe, Snowy owl, Sprague's pipit
Near Threatened	3	Olive-sided flycatcher, loggerhead shrike, common grackle

IUCN RED LIST OF SPECIES POSSIBLY IN THE VICINITY OF OPERATIONS

LOUISIANA PHOSPHATE OPERATIONS

IUCN RED LIST DESIGNATION	NUMBER OF SPECIES	TYPE OF SPECIES
Endangered	1	Pallid sturgeon
Vulnerable	2	West Indian manatee, Eastern spotted skunk
Near Threatened	_	_

NOTE: Species listed as possibly affected by Louisiana operations are from Louisiana Department of Wildlife and Fisheries database and may not have been actually observed on or near Mosaic property. Avian species listed as affected or possibly affected by New Mexico and Saskatchewan operations are migratory species with potential migration patterns proximal to our operations in those geographies.

304-4 Total number of IUCN Red List species and national conservation list species with habitats in areas affected by operations, by level of extinction risk (continued)

BRAZIL PHOSPHATE AND F	POTASH OPERA	ATIONS					
IUCN RED LIST DESIGNATION NUMBER OF SPECIES TYPE OF SPECIES							
Critically Endangered	1	Brazilian merganser					
Endangered	4	Vinaceous-breasted Amazon, crowned solitary eagle, Brasilia tapaculo, Tapeti					
Vulnerable	16	Maned wolf, blue and yellow macaw, giant anteater, sharp-tailed tyrant, cycloramphus acangatan, Southern tamandua, wood stork, ocelot, bare-throated bellbird, lesser nothura, channel-billed toucan, Amazonian motmot, pale-vented pigeon, roseate spoonbill, puma, toco toucan					
Near Threatened	23	Red-tailed Amazon, yellow-faced Amazon, golden-capped parakeet, black-and-gold howler monkey, azure jay, turquoise-fronted Amazon, ultramarine grosbeak, helmeted manakin, spot-breasted antvired maned wolf, black-fronted titi monkey, white-breasted tapaculo, festive coquette, chopi blackbird, greater crescent-chested puffbird, saw-billed hermit, azure-shouldered tanager, white-banded tanager bearded tachuri, blue finch, blue-winged macaw, greater rhea					

306-1 Total water discharge by quality and destination

306-5 Identity, size, protected status and biodiversity value of water bodies and related habitats significantly affected by the organization's discharges of water or runoff

TOTAL WATER DISCHARGE 2021 (TONNES UNLESS OTHERWISE NOTED)								
		2017	2018	2019	2020	2021		
Phosphate	Annual Outfall Discharges (,000 m³)	383,218	454,995	388,980	342,251	318,013		
Segment Discharges	Phosphorous Loadings	1,732	1,505	976	1,289	1,651		
	Nitrogen Loadings	409	466	462	385	507		
	Annual Outfall Discharges (,000 m³)	_	164,803	140,337	169,824	90,234		
Mosaic Fertilizantes Segment Discharges	Phosphorous Loadings	_	681	2,049	2,265	2,127		
	Nitrogen Loadings	_	82	53	22	71		

NOTE: Per location-specific permit conditions, our Brazil operations monitor water discharges for various other parameters not reported here. Please view our **2021 Environment Metrics Supplement** for more information.

RIVERINE BASINS WHERE N	MOSAIC OPERATES	
WATER BODY/BASIN	BASIN SIZE (HECTARES)	RIVER LENGTH (KM)
NORTH AMERICA		
Hillsborough River	175,000	95
Peace River	608,000	169
Alafia River	109,000	38
Little Manatee River	58,000	58
Myakka River	155,000	106
Mississippi River	322,500,000	3,370
Pecos River	11,500,000	1,490
Qu'Appelle	1,780,000	430
BRAZIL		
Jacupiranguinha River	2,568,100	no data
Jacupiranga River	2,568,100	no data
Capivara River	2,209,100	93
Sal Stream	2,209,100	21
Fundo Stream	22,260	16
Mandaguari Stream	22,260	9
Salitre Stream	2,209,100	622
Bebedouro Stream	2,209,100	8
Bonito Stream	2,209,100	11
Limeira Stream	3,440,000	7
Imbé Stream	3,440,000	3
Inferno Stream	2,208,600	78
Grande River	258,300,000	1,360
Gameleira Stream	14,300,000	8
Seco Creek	14,300,000	6
Paranaguá Bay	1	no data

NOTE: The size of the basin for Brazil facilities is associated with the river basin that the water body is part of.

In the Phosphates business, no outfalls discharge directly into a designated protected area, although discharges occur in three riverine basins upstream of Outstanding Florida Waters (i.e., segments of Little Manatee River, Hillsborough River and Myakka River) and Florida Wild and Scenic Rivers (segment of Myakka River). As an overarching principle, water that falls within the active, operational footprint of Mosaic's phosphate mining and fertilizer production facilities is actively managed, used in our operations, treated if necessary and discharged through NPDES outfalls pursuant to water quality standards stipulated by permits. Discharges are monitored, sampled and analyzed regularly by Mosaic, with reports provided to regulatory agencies to demonstrate ongoing compliance with permit limitations.

For our Canadian Potash business, in certain high precipitation events, off-site discharges of freshwater surface runoff are warranted and are approved in advance by the Saskatchewan Ministry of Environment and the Saskatchewan Water Security Agency. There were no such instances in 2021. Please see MM3 for a discussion of our Potash segment's brine disposal methods.

None of our Brazil facilities discharge directly into designated protected areas. Effluents are regularly monitored, sampled, and analyzed by Mosaic, and reports are regularly provided to governmental environmental agencies in accordance with applicable requirements.

306-2 Total weight of waste by type and disposal method

306-4 Weight of transported, imported, exported or treated waste deemed hazardous under the terms of the Basel Convention, and percentage of transported wastes shipped internationally

2021 WASTE GENERATED BY DISPOSAL METHOD (TONNES)									
	TOTAL WASTE	WASTE DIVERT	ED	WASTE DISPOSED					
	GENERATED	REUSE OR RECYCLE	OTHER	INCINERATION	LANDFILL	OTHER			
Phosphate									
Hazardous	2,879	224	0	53	2,601	0			
Non-hazardous	26,275	15,435	0	17	10,504	320			
Potash									
Hazardous	1,447	207	0	33	161	62			
Non-hazardous	5,302	3,189	0	0	2,114	0			
Mosaic Fertilizantes									
Hazardous	3,239	943	0	20	1,856	11			
Non-hazardous	236,195	8,741	0	4	222,768	497			
Grand Total	271,040	28,409	0	127	240,004	1,517			

NOTE: At this time, we cannot consistently differentiate between reuse and recycle methods so we are reporting "Reuse or Recycle" as a single category. Similarly, all wastes disposed of through incineration techniques, regardless of whether it was in a waste-to-energy application or simple incineration for disposal, are included in the "Incineration" category. "Other" disposal method includes combinations of co-processing, retort, treatment, incineration and/or deep well injection. Subtotals may not always add up to totals due to rounding. Our tracking of wastes across our business continues to improve. Legacy Brazil facilities previously reported under International Distribution segment are now reported under Mosaic Fertilizantes segment. 2021 "diverted" figures are significantly higher for Phosphate as a result of new initiatives to recycle and reuse white iron and HDPE pipe.

No hazardous wastes were shipped internationally.

MM3 Overburden, rock, tailings and sludge

					or our me	THOD (TONNES)
PHOSPHATE						
MATERIAL	2017	2018	2019	2020	2021	DISPOSAL METHOD
Overburden	126,608,107	120,461,664	113,826,257	85,369,264	97,668,585	Used for reclamation
Sand Tailings	39,221,004	37,790,316	36,994,175	33,368,070	33,931,139	Used for reclamation
Clay	18,416,751	15,573,299	14,628,902	15,493,615	13,200,097	Stored in surface impoundments and used for reclamation
Phosphogypsum	23,181,038	21,150,286	20,273,770	20,600,284	18,394,809	Managed in permitted phosphogypsum stack systems
POTASH						
MATERIAL	2017	2018	2019	2020	2021	DISPOSAL METHOD
Tailings (Salt)	12,961,397	13,522,972	12,734,513	10,557,129	11,615,775	Stored or recycled for commercial use
Brine	13,858,720	13,547,629	12,176,515	13,977,675	10,196,105	Deep well injection or evaporation
MOSAIC FERTILIZANT	ΓES					
MATERIAL	2017	2018	2019	2020	2021	DISPOSAL METHOD
Waste Rock (Sterile)	_	63,768,400	53,039,223	57,377,108	77,797,839	Stored and used for reclamation
Sand Tailings	_	19,169,629	13,012,380	15,414,844	14,862,381	Stored in tailings dams
Phosphogypsum	_	5,372,140	4,630,659	4,450,823	5,030,003	Managed in permitted phosphogypsum stack systems or used in coproduct applications
3,1,2,2,						applications

NOTE: Due to the composition of mineral deposits in Brazil, our Mosaic Fertilizantes operations handle various mining and production wastes we have not historically reported here. Please review our 2021 Environment Metrics Supplement for more information.

In 2018, our Potash segment standardized the calculation methodology for brine, which explains the variance between the 2016 and 2017 reported brine values. There was no change to the operations process and the brine volumes were accurately reported.

Back to ESG Performance Targets >>

306-3 Number and volume of significant spills

In 2021 we had a total of one release equal to or greater than 2,000 gallons. We use another leading metric, potentially serious incidents (PSIs) to track progress toward our target to eliminate environmental incidents. In 2021, companywide we had eight PSIs, a decrease of 38 percent since 2020. We define PSI as a potentially serious incident that could be life altering or affect our license to operate.

ENVIRONMENTAL RELEASES > 2,000 GALLONS								
BUSINESS SEGMENT 2017 2018 2019 2020 202								
Phosphates	5	1	3	3	1			
Potash	2	0	0	0	0			
Mosaic Fertilizantes	_	-	3	3	0			

NOTE: Table includes environmental releases equal to or greater than 2,000 gallons equivalent. Environmental releases meeting these criteria in 2021 included Phosphates — one release of water containing tailings to a water body.

Back to ESG Performance Targets >>

307-1 Monetary value of significant fines and total number of non-monetary sanctions for non-compliance with environmental laws and regulations

Companywide, we had six events of alleged non-compliance with environmental permits or regulations that resulted in enforcement actions in 2021, representing fines in the amount of approximately \$45,000. We had four alleged release exceedances that we anticipate will result in enforcement actions by the regulating agency. Of those, two were events related to water quality permits.

Mosaic reports any environmental enforcement action that it has identified as potentially material to investors, or if not potentially material, as potentially meeting or exceeding a significance threshold of \$100,000. In 2021, no enforcement actions met this threshold.

Management Approach: Supplier Environmental Assessment

308-2 Significant actual and potential environmental impacts in the supply chain and action taken

Through a collaboration with a third party, we determined that the environmental impacts associated with our supply chain are primarily associated with the purchase of manufactured ammonia — specifically, the greenhouse gas emissions associated with producing this material. We report those emissions in 305-3. In 2020 we issued a target to engage suppliers and service providers, representing 80 percent of Mosaic's total North American procurement and supply chain expenditures, to assess their commitment to and performance in key ESG areas such as environment, diversity and human rights. We will continue to engage with suppliers to evaluate and report their performance, while identifying opportunities to mitigate and reduce their individual company and broader industry's environmental impacts.

Back to ESG Performance Targets >>

Another potential impact relates to downstream use of crop nutrient products which, if used improperly, can run into waterways and contribute to impaired water quality and can also nourish algal blooms. Mosaic supports and promotes the 4R Nutrient Stewardship framework to achieve the agricultural benefits of fertilizer and reduce nutrient loss to the environment. Since 2004, Mosaic has invested over \$25 million with more than 150 organizations on water-related initiatives, including nutrient stewardship. In 2020, we issued a target to empower farmers in key growing areas in North America to reduce the impact of crop nutrient products on the environment by facilitating the implementation of 4R Nutrient Stewardship on 25 million acres by 2025. As of the end of 2021, 4R Nutrient Stewardship practices have been implemented on 10 million acres.

Back to ESG Performance Targets >>

Management Approach: Employment, Labor/Management Relations, Diversity and Equal Opportunity

At Mosaic, the strength of our business relies on the commitment of an exceptional global team of employees. Whether working in our mines, distribution facilities or offices, our more than 11,738 employees are part of a global Mosaic team that is richly diverse in skills, experiences and backgrounds. Together, we are responsible, innovative, collaborative and driven.

Mosaic aims to be the employer of choice for a diverse and inclusive workforce. Our global talent investment philosophy is to provide competitive compensation and benefits, with flexibility to choose programs that best meet our employees' needs.

Mosaic offers health, welfare and retirement benefits to all full-time employees and eligible dependents.

Mosaic offers competitive compensation and benefits in each of the company's significant locations of operation. Within each of the countries in which Mosaic operates, benefits provided or offered to our full-time employees may differ for various reasons, including:

- State or country mandated benefit laws that apply to Mosaic employees in a specific geography
- · Labor agreements between Mosaic and labor organizations acting on behalf of represented employees
- · Market-specific benefit programs or practices that exist within an area that Mosaic competes for labor
- The impact to employees of local or national tax laws regarding the treatment of company-sponsored benefits

Mosaic values collective bargaining as an important form of collaborative employee engagement. In addition, Mosaic is sensitive to the needs of its employees, and much consideration is placed on applicable notice periods for any such changes that may impact employees.

Mosaic's **Equal Employment Opportunity and Nondiscrimination Policy** provides equal employment opportunities to all Mosaic applicants and employees and other qualified persons without regard to race, religion, color, gender, national origin, age, disability, marital status, citizenship status, military or veteran status, sexual orientation, gender identity, genetic information, or any other legally protected status under applicable laws in countries where Mosaic employees work. The policy also provides that Mosaic is committed to maintaining a work environment free of discrimination. Mosaic's commitment applies to all terms and conditions of employment, including recruiting and hiring, training and promotion, compensation and benefits, performance assessments, transfers, terminations, layoffs or recall from layoff, leaves of absence, and company-sponsored training and education.

Retaliation or reprisal toward an employee who has exercised their rights under this policy is strictly prohibited Mosaic's **Code of Business Conduct and Ethics** reinforces this policy.

Our **Commitment to Inclusion** reinforces that Mosaic is focused on building a representative workforce that embraces the opportunities that diversity brings to the workplace. As of the date of this report, we have refreshed our Commitment to Inclusion, which was initially released in 2012, and have engaged employees in its principles. Please see **mosaicco.com** for more information.

Back to ESG Performance Targets >>

Mosaic supports and participates in a variety of formal and informal channels through which employees can submit concerns or grievances, including an EthicsPoint hotline, engagement surveys, mediation, arbitration, and/or through other formal administrative tribunals such as the National Labor Relations Board and Equal Employment Opportunity Commission. Our collective bargaining agreements contain procedures for resolving grievances over the application or interpretation of such agreements, and Mosaic resolves labor grievances in accordance with the procedures outlined in those respective agreements. Please see our Human Capital disclosures in our **2021 10-K** (pg. 26) for more information.

401-1 Total number and rates of new employee hires and employee turnover by age group, gender and region

EMPLOYEES BY AGE GROUP, GENDER AND REGION								
	<3	30	30-50		>50		TOTAL	
COUNTRY	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE
Brazil	220	784	607	3,757	26	625	853	5,166
Canada	43	113	168	1,019	46	387	257	1,519
China	7	4	42	91	2	10	51	105
India	0	4	9	50	0	2	9	56
Paraguay	4	10	9	28	0	2	13	40
USA	43	293	322	1,484	209	1,318	574	3,095
Subtotal	317	1,208	1,157	6,429	283	2,344	1,757	9,981
Total	1.5	25	7.5	86	2.6	27	11.7	'38

 ${\tt NOTE: Excludes \, long-term \, leaves, \, co-ops, \, seasonal \, and \, temporary \, employees.}$

Employees considered to be on long-term leave are those away from work for more than 180 days.

NEW HIRES BY AGE GROUP, GENDER AND REGION								
	<30		30-50		>50		TOTAL	
COUNTRY	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE
Brazil	80	233	76	341	3	13	159	587
Canada	3	8	6	27	1	6	10	41
China	3	0	2	2	0	0	5	2
India	0	1	1	1	0	0	1	2
Paraguay	2	3	1	0	0	0	3	3
USA	9	81	39	123	13	29	61	233
Subtotal	97	326	125	494	17	48	239	868
Total	423		619		65		1,107	

NOTE: Excludes long-term leaves, co-ops, seasonal and temporary employees.

 ${\bf Employees\ considered\ to\ be\ on\ long-term\ leave\ are\ those\ away\ from\ work\ for\ more\ than\ 180\ days.}$

EMPLOYEE TURNOVER BY AGE GROUP, GENDER AND REGION									
	<30		30-50		>50		TOTAL		
COUNTRY	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	
Australia	0	0	0	0	0	1	0	1	
Brazil	40	140	74	401	4	83	118	624	
Canada	1	12	12	37	8	38	21	87	
China	0	0	4	2	0	1	4	3	
India	0	0	0	4	0	0	0	4	
Paraguay	1	3	1	3	0	0	2	6	
USA	10	59	43	127	28	178	81	364	
Subtotal	52	214	134	574	40	301	226	1,089	
Total	26	66	70	18	34	1	1,3	15	

NOTE: Excludes long-term leaves, co-ops, seasonal and temporary employees. Turnover totaled 11 percent in 2021.

401-2 Benefits provided to full-time employees that are not provided to temporary or part-time employees, by significant locations of operation

Mosaic provides competitive compensation and bonus opportunities for jobs in all disciplines and geographic markets based on company and individual performance. Additionally, Mosaic contributes toward retirement income benefits, which may include defined-benefit pension plans, defined-contribution plans or other supplemental retirement plans across our locations and countries. The majority of administrative, insurance and other costs associated with Mosaic-sponsored health and welfare plans is borne by us. Participation in the retirement plans is automatic in the United States and Canada. The defined-contribution plan is open to all, but it is not mandatory to participate.

EMPLOYEE BENEFITS (● = YES)							
TYPE OF BENEFIT	UNITED STATES	CANADA	BRAZIL	PARAGUAY	INDIA	CHINA	PERU
Healthcare	•	•	•	•	•	•	•
Life Insurance	•	•	•	•	•	•	•
AD&D Insurance	•	•			•	•	
Disability Coverage	•	•	•	•	•	•	•
Employee Assistance Program	•	•	•	•		•	•
Defined-benefit Pension Plan	•	•	•		•		
Defined-contribution Savings Plan	•	•	•		•		
Annual Profit Sharing	•	•	•	•	•	•	•
Maternity Leave	•	•	•	•	•	•	•
Paternity Leave	•	•	•	•	•	•	•
Family Leave	•	•					
Sickness Leave	•	•	•	•	•	•	•
Deferred Bonus and Deferred Pay	•		•				
Long-term Incentives	•	•	•	•	•	•	
Stock Ownership	•				•		
Relocation Assistance	•	•	•	•	•	•	
Flex Time Program	•	•	•			•	•
Formal Wellness Programs	•	•	•			•	•
Tuition Assistance/Education	•	•	•	•	•	•	•
Telecommute Program					•	•	
Meal Program			•		•	•	•
Award for Years of Service	•		•	•	•		
Emergency Services							•
Annual Incentives	•	•	•	•	•	•	•

^{*}In most countries maternity and paternity leave are offered in accordance with applicable law. Mosaic provides additional paternity leave in India; additional maternity leave in Brazil; and additional parental leave (maternity and paternity) in the United States which exceeds compliance benefits.

^{**}Formal Wellness Program includes benefits such as biometric screenings and on-site fitness facilities. Individual wellness benefits vary by country.

401-3 Parental Leave

PARENTAL	LEAVE						
		EMPLOYEES ENTITLED TO PARENTAL LEAVE (2021)	EMPLOYEES WHO TOOK PARENTAL LEAVE (2021)	EMPLOYEES WHO RETURNED TO WORK (2021)	EMPLOYEES STILL EMPLOYED 12 MONTHS AFTER RETURN (2020–2021)	RETURN TO WORK RATE	RETENTION RATE
Male		7,325	71	72	61		
	USA	1,442	42	42	39	100%	97%
	Canada	599	24	25	5	100%	97%
	Brazil	5,123	0	0	11	100%	92%
	India	56	3	3	4	100%	100%
	China	105	2	2	2	100%	100%
Female		1,543	79	70	84		
	USA	475	18	16	13	100%	86%
	Canada	165	12	11	32	92%	97%
	Brazil	843	46	40	36	100%	100%
	India	9	2	2	2	100%	100%
	China	51	1	1	1	100%	100%
Total		8,868	150	142	145		

NOTE: Per the definitions for this disclosure as laid out in the GRI Employment Standard, return to work rate is calculated as the total number of employees that returned to work after parental leave divided by the number employees due to return to work after taking parental leave. Retention rate is calculated as the number of employees retained 12 months after returning to work following a leave of parental leave divided by the total number of employees returning from parental leave in the prior reporting period(s).

402-1 Minimum notice periods regarding operational changes, including whether these are specified in collective agreements

In the United States, we adhere to or exceed the minimum notice requirements set by federal and state Worker Adjustment and Retraining Notification Act (WARN) laws. Additionally, in the U.S. some of Mosaic's labor agreements contain provisions of advance notice periods with respect to significant operational changes that impact employees. In most locations the exact notice requirement varies depending on circumstances surrounding the changes. In Canada, Mosaic adheres to or exceeds the minimum notice requirements set by provincial employment standards laws. In China, Mosaic adheres to or exceeds the 30-day notice requirements set by Article 41 of the Employment Contract Law (ECL). In Brazil, Mosaic adheres to the minimum 30-day notice requirement for dismissals without cause required by Brazilian Labor Law. In the other regions where we operate, Mosaic meets and usually exceeds the minimum notice required, which varies by local legislation and collective bargaining agreements.

MM4 Number of strikes and lock-outs exceeding one week's duration, by country

There were no strikes or lock-outs at Mosaic facilities in 2021.

405-1 Diversity of governance bodies and employees

WORKFORCE BY AGE AND GENDER									
	FE	MALE	N	MALE	TOTAL				
AGE GROUP	COUNT	PERCENTAGE	COUNT	PERCENTAGE	SUBTOTAL	PERCENTAGE			
<30	317	2.7%	1,208	10.3%	1,525	13.0%			
30-50	1,157	9.9%	6,429	54.8%	7,586	64.6%			
>50	283	2.4%	2,344	20.0%	2,627	22.4%			
Total	1,757	15.0%	9,981	85.0%	11,738	100%			

NOTE: Excludes long-term leaves, co-ops, seasonal and temporary workers. 15 percent of Mosaic's total workforce is female and 18 percent of the management workforce is female. Approximately 28 percent of the United States management workforce is considered a member of a minority group; 27 percent of the total U.S. workforce is considered a member of a minority group. "Minority group" in the United States is defined as non-white ethnicity of any gender. It excludes any employees who did not provide a response, either inadvertently or by selecting "decline to respond."

Back to ESG Performance Targets >>

BOARD OF DIRECTORS BY AGE AND GENDER									
FEMALE MALE TOTAL									
AGE GROUP	COUNT	PERCENTAGE	COUNT	PERCENTAGE	SUBTOTAL	PERCENTAGE			
30-50	0	0%	1	8%	1	8%			
>50	3	25%	8	67%	11	92%			
Total	3	25%	9	75%	12	100%			

NOTE: Table represents age and gender information for Mosaic's 2021 Board of Directors. For more information, please review our **2021 Proxy Statement** (pgs. 12–17).

In 2021, we advanced work with a global diversity and inclusion task force, which is addressing the company's objectives across three pillars: Drive Diversity Recruitment and Build Diverse Talent Pipeline; Build and Promote an Inclusive Culture; and Build Mosaic's Brand and Enhance External Partnerships. We also trained 93 percent of our global salaried workforce below senior leadership level on concepts related to conscious inclusion.

In early 2022 we formalized new global diversity and inclusion targets to drive improved representation and inclusion in our workforce and broader positive impact in communities. By 2030 we are striving to achieve:

- 30 percent women in the workplace
- 30 percent growth in underrepresented groups in the workplace
- 30 percent growth in leadership diversity
- 30 percent community giving D&I focused
- · Ongoing: building a more inclusive culture

Back to ESG Performance Targets >>

405-2 Ratio of basic salary and remuneration of women to men by employee category, by significant locations of operation

We are committed to providing the environment, development opportunities and compensation to ensure that Mosaic is a company where employees are proud to work and grow.

We are an equal opportunity employer, and our recruiting practices focus on matching the best possible candidate to the position. Mosaic uses salary ranges that are competitive with market pay ranges for positions of comparable responsibility, functional knowledge, impact and other compensable factors. Gender is not a factor when determining compensation. Each salary range has a minimum or threshold salary for a new hire, although Mosaic typically sets the actual salary above this minimum.

Pay equity is fundamental to our compensation philosophy and our commitment to diversity and inclusion. Mosaic regularly evaluates pay equity and compensation practices to ensure fair and equitable treatment of employees based on our pay-for-performance framework. In 2020, Mosaic retained an independent consultant to assist with our pay equity analysis on the basis of both gender and ethnicity across our global operations. The results revealed fewer than .05 percent outliers without adequate business justifications. Mosaic addressed each of the instances during our 2021 compensation cycle.

Management Approach: Occupational Health and Safety

We are dedicated to providing a safe, healthy and respectful work environment for an engaged, inclusive workforce. Mosaic's Environmental Health and Safety Management System (the Mosaic Management System [MMS]), aligned to ISO 14001, ISO 45001 and ANSI-Z10, integrates internationally regarded best management practices into our operations while affirming our ongoing safe and environmentally responsible performance. We strive to continually improve Mosaic's management system through efforts such as annual self-assessments, which are reviewed by both internal and external experts.

The Mosaic Management System is designed to identify, evaluate and control risks. This proactive approach allows us to understand the risks, take action and prevent incidents from occurring in the first place. We have risk reduction controls at all facilities which continues the drive toward zero injuries and incidents. Incident management is one of 10 elements of the Mosaic Management System and focuses on thorough incident investigation resulting in corrective and preventative actions. Mosaic's best practice is to communicate incident investigation findings to ensure lessons learned are shared throughout the company.

Though rare, emergencies can occur in our business, and the ability to respond promptly and effectively is critical. Mosaic's overarching approach to crisis management includes risk anticipation and mitigation, site-specific emergency response plans, and routine crisis simulation drills involving Mosaic employees from various functions and emergency response professionals from the communities where we operate. Our internal crisis management intranet site outlines response plan specifics, including roles, procedures, guidelines and protocols for handling crises and communicating with stakeholders.

Ultimately, our goal is zero harm to people and the environment. Globally, all Mosaic employees, service providers and contractors are held to the same high standards outlined in our **Code of Business Conduct and Ethics**.

Back to ESG Performance Targets >>

403-1 Occupational health and safety management system 403-8 Workers covered by an occupational health and safety system

The Mosaic Management System, aligned to ISO 14001, ISO 45001 and ANSI-Z10, applies to all workers in North and South America. Coverage exceptions include our joint venture in Peru (653 workers), and employees in China (156 workers) and India (65 workers).

Our concentrates facilities and ammonia distribution sites follow the process safety management (PSM) and risk management program standard for identified processes to address compliance with OSHA 29 CRF 1910.119 and EPA 0 CFR 68 as part of Mosaic's Management System. The purpose of this standard is to have uniform, compliant and sustainable process safety and risk management plans and processes integrated into plant operations. This will help prevent accidental releases of substances that can result in harm to employees, the public or the environment and to mitigate the severity of releases that do occur. While not a regulatory requirement, some of our Mosaic Fertilizantes sites in Brazil are also implementing these standards. Audits and assessments are key components of a successful management system and regulatory compliance within Mosaic. Audits are regulatory- and risk-driven and are a combination of voluntary internal audits (completed by Mosaic and a third party) and required regulatory audits (completed by third-party auditors and Mosaic). Assessments check the health of Mosaic's Management System and are completed at each facility by both Mosaic employees and third-party assessors.

Compliance audits are completed annually at our North and South American facilities by teams of Mosaic and third-party auditors to ensure that we are adhering to all internal standards and external regulatory requirements. Topics reviewed are determined through a risk-based approach and management review process. Corrective actions are tracked based on findings and reviewed by management and senior leadership.

403-2 Hazard identification, risk assessment and incident investigation

Mosaic uses an integrated information management system to track EHS incidents, associated corrective actions and risk management claims. To help with data quality and adherence to Mosaic standards and best practices, we have automated reporting that provides our sites with a consolidated view of incidents and corrective action compliance.

Incidents are entered primarily by supervisors and area managers rather than frontline workers to validate data quality and to promote ownership of incidents that occur within respective areas of responsibility. Many types of EHS incidents are managed within this approach: employee injury, near misses, property damage, environmental releases, government inspections, and permit exceptions or exceedances. Contractor incidents that occur on Mosaic property are tracked in the same manner as internal Mosaic incidents. A corporate EHS team manages the flow of information about key incidents by compiling and distributing a weekly EHS report to the site's operations management team, EHS management team and senior leadership team.

Further, Mosaic uses a Risk Register tool to identify and score various EHS risks, as well as document existing operational controls. Each facility maintains Risk Register to identify and track environmental and safety hazards, quantify baseline, inherent and residual risk scores, and collaborate with the workforce to implement operational controls to reduce or eliminate these hazards. Risk scores are calculated for each identified risk and take into consideration the severity of consequences expected, and the likelihood of exposure and any controls that have been implemented to reduce or eliminate the risk. This is a dynamic process where risks are reviewed whenever new controls are implemented or existing controls are reviewed or new risks are identified.

Over two-thirds of our employees are on the front lines — making crop nutrient products, completing potentially high-risk work and monitoring production processes. Beyond honing a culture that is relentlessly focused on safety, we have formal mechanisms in place that empower employees to stop a job to discuss and evaluate safety and environmental risks and assess and implement mitigations. Mosaic's **Code of Business Conduct and Ethics** encourages employees to speak up if they have a concern about workplace health or safety, and a Non-Retaliation policy prohibits retaliation against an employee for raising a concern.

403-3 Occupational health services

403-4 Worker participation, consultation and communication on occupational health and safety

From front-line workers to leaders, Mosaic employees at all levels contribute to the development, implementation and evaluation of our companywide Mosaic Management System. For each of the 10 elements of Mosaic's Management Systems, we regularly engage employees on the identification, prevention, communication and control of risks. Relevant communication about safety is conveyed to workers through many methods, such as daily shift-start and safety committee meetings, videos, messages from leadership, required training, pre-job risk assessments, newsletters and engagement surveys. An "open door" policy fosters a pervasive safety culture where daily communication about safety happens up and down the organizational structure.

Mosaic has safety committees at most of our global operations, representing more than 95 percent of employees. All Mosaic operating facilities located in Brazil, the United States and Canada have formal joint safety committees that meet on defined intervals, either monthly or quarterly. These committees maintain a registry of findings, actions and resolutions to provide routine updates to site teams detailing their progress. The role of these committees, which are composed of employees from all levels, is to promote safety awareness and reinforce a working environment that promotes connectivity, teamwork and productivity among employees while supporting Mosaic's pursuit of an incident- and injury-free workplace.

One hundred percent of our union contracts in the United States, Canada and Brazil cover health and safety topics. Please see **102-41** for more information on the number of employees covered by collective bargaining agreements. Topics covered include supply of personal safety equipment, medical examinations, incident reporting and investigation, rights to refuse unsafe work and health and safety committees.

403-5 Worker training on occupational health and safety

"Training and competency" is one of the 10 elements of the Mosaic Management System. Beyond training workers to do their work effectively, employees and contractors are also trained to minimize safety issues and to be vocal about hazards.

Training needs are assessed on many factors, including local regulatory requirements; job-specific needs; employee category; and region of work. Training is designed utilizing established instructional design principles for adult learning including Bloom's Taxonomy and Gardner's Theory of Multiple Intelligences. The competency of Mosaic's trainers is supported through focused training, ongoing paid professional development, and participation of our trainers in relevant professional organizations. Effectiveness of Mosaic's training programs is regularly evaluated alongside the other elements of Mosaic's management system through program level and focused audits and self-assessments.

Employees are required to participate in annual training across a range of EHS topics. Training is paid and typically hosted during working hours. In 2021, employees participated in approximately 300,000 hours of EHS training enterprise-wide on topics such as emergency action; environmental compliance; first aid and CPR; general safety; incident reporting and auditing; industrial hygiene; occupational health and safety (OSHA) requirements; and security and transportation/safety handling. Please see **404-1** for more information.

403-6 Promotion of worker health

We have observed through incident investigations that psychological and physical health can contribute to incidents at work. Accordingly, worker wellness is a component of Mosaic's management system. Called *Live Well. Work Well.*, Mosaic's wellness programs address four wellness pillars — safety, physical, psychological and financial — for our nearly 12,000 employees. Mosaic's Worker Wellness program is based off Total Worker Health® (TWH), championed by the Centers for Mental Health Commission of Canada, Disease Control and Prevention (CDC) and the National Institute for Occupational Safety and Health (NIOSH).

Mosaic provides health benefits that include insurance plans, retirement savings plans, tobacco cessation programs, wellness incentive programs and flexible work schedules; leave benefits; and site-specific wellness programs, such as on-site gyms, fitness memberships and walking paths. We also offer a companywide Employee Assistance Program (EAP) that is confidential and addresses a variety of concerns, both personal and work-related. Discussion may occur by speaking with an EAP counselor over the phone, having a face-to-face meeting with an EAP counselor or through a referral to a mental health professional in the employee's local area. This benefit is offered as an additional resource for wellness. See **401-2** for more information.

Further, we are building on our psychological wellness efforts by expanding training and awareness-building among the North America and Brazil workforces. The training builds awareness about the existence of psychological health conditions like depression and anxiety and what it may look or feel like to be unwell. People leader training empowers supervisors to recognize mental health issues and take appropriate actions when concerns are identified. Moving forward, the program will address other wellness elements that contribute to overall health such as nutrition, resilience and self-care.

Back to ESG Performance Targets >>

403-7 Prevention and mitigation of occupational health and safety impacts directly linked by business relationships

The safety of contractors and service providers is a priority. We select, screen and audit contractors using the ISNetworld Rating — a global system in which contractors and suppliers report their safety performance and conformance to regulatory and internal health, safety and procurement requirements. We use the ISN Site Tracker Tool to further drive contractor safety improvements, improve accountability and accurately track safety performance.

403-9 Work-related injuries

2021 WORK-RELATED INJURIES										
	FATALITIES		HIGH-CONSEQUENCE INJURIES ¹		RECORDABLE INJURIES		TOTAL RECORDABLE INCIDENCE FREQUENCY (TRIF) ²		MAIN TYPES OF INJURIES ³	NUMBER OF HOURS WORKED
	#	RATE	#	RATE	#	RATE	#	RATE		
Employee	0	0	0	0	58	0.46	103	0.81	Hand/finger cuts and fractures	25,487,358
Contractor	0	0	0	0	38	0.19	66	0.32	Hand/finger cuts and fractures	40,649,481

NOTE: Figures have been calculated based on 200,000 hours worked and include all employees and contractors. The numbers do not reflect any worker exclusions. ¹Zero injuries in 2021 resulted in a permanent disabling injury. ²Though not a global safety metric for Mosaic, we are providing MSHA all-incidence rate to satisfy a request from the SASB Metals & Mining Sustainability Accounting Standard. As reported here, TRIFR differs slightly from MSHA all-incidence rate in that it includes the prescribing of medication for aliments. The MSHA all-incidence rate excludes incidents involving the prescription of medication except when it is related to an eye injury. In 2021, there were no incidents that met the definition to be included in TRIFR but not MSHA all-incidence rate; therefore, in 2021, these values are the same. ³Hand and finger cuts and fractures represented approximately 35 percent of total injuries for employees and contractors.

The work-related hazards that pose a risk of high-consequence injury primarily include falling objects (secured and unsecured) and interaction with mechanical parts, machinery and mobile equipment. This conclusion is based on frequency of the occurrence of those events. These risks have been identified on Mosaic's Risk Register, a tool used to identify and score various EHS risks and document existing operational controls. Please see **403-2** for more information about the Risk Register.

In 2021, there were no high-consequence injuries and as such, there are no investigation details to share. Controls deployed to reduce or eliminate such risks include engineering controls such as equipment and devices, or administrative controls, such as procedures and training.

403-10 Work-related ill health

2021 WORK-RELATED ILL HEALTH									
	FATA	LITIES		RDABLE TH CASES ¹	MAIN TYPES OF ILL HEALTH				
	#	RATE	#	RATE					
Employee	0	0	45	0.35	Covid-19 Cumulative Injury				
Contractor	0	0	28	0.14	Covid-19				

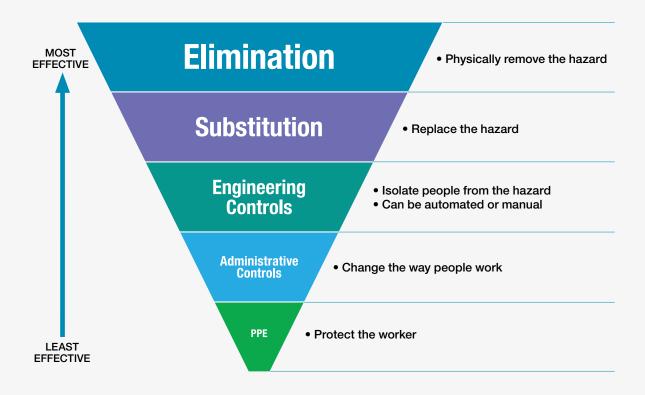
NOTE: Figures have been calculated based on 200,000 hours worked and include all employees and contractors. The numbers do not reflect any worker exclusions.

¹For workers and contractors respectively, approximately 90 percent and 100 percent of ill-health cases were due to work-related exposure to Covid-19. Some cases of Covid-19 in contractors may not have been captured due to difficulty in making determinations of work-relatedness and variations in individual case reporting and tracking processes.

The work-related hazards that pose a risk of high-consequence ill health primarily include repetitive stress. Like with the work-related injuries reported above, these risks have been identified on Mosaic's Risk Register. Mosaic's approach to risk mitigation is proactive, thus identifying and controlling risks before an incident or illness occurs. Please see **403-2** for more information about the Risk Register.

In 2021, the risks that caused or contributed to cases of ill health during the reporting period were primarily exposure to Covid-19 in the workplace.

OSHA recordable injuries and illnesses require investigations, but there are some exceptions for certain illnesses. When an investigation is completed, the corrective actions are categorized using the hierarchy of controls illustrated below. Generally, control methods at the top of the graphic are preferred, because they are more effective at managing risk than those at the bottom.



Management Approach: Training and Education

We are committed to providing the environment, development opportunities and compensation to ensure that Mosaic is a company where employees are proud to work and grow.

Mosaic employees are encouraged to continually learn and improve their skills. With management support, we offer a companywide educational reimbursement program to help employees in each of our operating countries better meet their current job responsibilities, as well as prepare for future career opportunities within our company.

Our internal training opportunities also support the continuous development of Mosaic employees at all levels:

- Leadership
- Professional and career development
- Environmental, health and safety (EHS) training
- Equipment and maintenance training
- · Continuous improvement

404-1 Average hours of training per employee by gender and employee category

TRAINING AND EDUCATION 2021 (TRAINING HOURS BY EMPLOYEE GROUP)									
COURSE TITLE	HOURLY	SUPPORT	PROFESSIONAL	LEADERSHIP	STRATEGIC	SENIOR	TOTAL	AVERAGE HOURS FEMALE	AVERAGE HOURS MALE
EHS Training	216,620	24,155	34,821	17,834	515	18	294,186	1.7	2.4
Leadership Professional Development	11,158	4,297	17,748	14,063	1,135	35	48,535	1.9	1.6
Legal Compliance Training	3,104	2,357	7,296	4,408	404	18	17,681	1.1	1.0
Operations & Maintenance Training	68,406	1,392	10,154	3,624	23	0	83,602	3.6	4.3
Other Topics	40,735	3,938	12,562	10,911	1,670	90	169,920	2.2	2.9
Total Growing U	340,023	36,138	82,581	50,839	3,747	161	513,925	1.9	2.4
Total Other							18,962		
Grand Total							532,887		
Hours per Employee							45		

NOTE: "Total other" includes hours associated with training opportunities that are not currently housed in our companywide system. Those hours include: 14,364 hours of training for North America employees across a variety of topics; 2,659 hours for Brazil

employees; 1,743 hours for India employees; and 196 hours for Peru employees.

75

404-2 Programs for skills management and lifelong learning that support the continued employability of employees and assist them in managing career endings

We offer core leadership programs designed to engage and empower employees; develop leadership skills and assist with managing teams; and drive strong business results. Mosaic offers training courses to developing leaders that are mapped to Mosaic's ten leadership model competencies. In 2021, more than 188 global leaders participated in the Mosaic core leadership programs for first-line, mid-level and senior leaders. As it relates to career transitions, Mosaic provides employees with helpful planning tools, calculators, articles, videos and webcasts, in addition to optional services provided by our third-party vendors to help plan for retirement. When a reduction in our workforce occurs, we provide comprehensive career transition services to employees to help ease the stress that accompanies job loss. In 2021, Mosaic provided 48 employees with third-party coaching, webinars and trainings to help manage career transitions.

404-3 Percentage of employees receiving regular performance and career development reviews, by gender and employee category

As part of our strategic priority to develop, engage and empower our people, we have a performance management process called EDGE: Evaluating, Developing and Growing Excellence. Our performance management process has evolved to include scaled competencies, goal alignment, and an emphasis on employee and career development. In addition, we offer tuition reimbursement programs to support continued education for Mosaic employees. In 2021, approximately 48 employees received financial assistance to continue their education through Mosaic's tuition reimbursement program.

EMPLOYEES RECEIVING REGULAR PERFORMANCE AND CAREER DEVELOPMENT REVIEWS BY GENDER 2021

	FEMALE	MALE	TOTAL
Performance Reviews Given	1,154	2,598	3,752
Performance Reviews Received	94%	94%	94%

NOTE: Represents percent of reviews conducted for eligible employees.

Management Approach: Non-discrimination, Freedom of Association and Collective Bargaining, Child Labor, Forced or Compulsory Labor and Rights of Indigenous Peoples

As a signatory to the United Nations Global Compact, The Mosaic Company is committed to the protection and advancement of human rights. Mosaic's **Code of Business Conduct and Ethics** and **Supplier Code of Conduct** form the basis of our **Commitment to Human Rights**.

Back to ESG Performance Targets >>

406-1 Total number of incidents of discrimination and corrective actions taken

In 2021 there were three incidents involving complaints of discrimination that were filed with external agencies.

• In the United States, there were three charges filed with the United States Equal Opportunity Commission (EEOC) with allegations related to discrimination. In one, the EEOC found no cause supporting discrimination in March 2022. The other two remain open.

In 2021 there were 11 internal reports of discrimination.

- In Brazil, there were a total of eight internal reports of discrimination/harassment that were substantiated. Four resulted in the termination of an employee, and the remaining four resulted in employee discipline.
- In Canada, there was one internal report of harassment that was substantiated. Two employees were terminated with cause and a third was disciplined.
- In the United States, there were two internal reports of discrimination/harassment that were substantiated. In one instance, an employee was terminated. In the other instance, discipline was issued and the case is closed and no longer subject to action.

407-1 Operations and suppliers identified in which the right to exercise freedom of association and collective bargaining may be violated or at significant risk, and measures taken to support these rights

Mosaic does not have any operations in which the right to exercise freedom of association and collaborative bargaining are identified as a significant risk. Mosaic does not discriminate based on association, per our Commitment to Human Rights, which is guided by the Universal Declaration of Human Rights (UDHR), the most widely recognized definition of human rights and the responsibilities of national governments; the International Labour Organization (ILO) Declarations on Fundamental Principles and Rights at Work; and the Organization for Economic Co-operation and Development (OECD) Guidelines for Multinational Enterprises. Per our Commitment to Human Rights, Mosaic aims to strengthen and enforce human rights in our policies and operations globally, including in our supply chain.

408-1 Operations and suppliers identified as having significant risk for incidents of child labor, and measures taken to contribute to the effective abolition of child labor

409-1 Operations and suppliers identified as having significant risk for incidents of forced or compulsory labor, and measures to contribute to the elimination of all forms of forced or compulsory labor

Mosaic does not have any operations that are identified as a significant risk for child labor or forced or compulsory labor practices. Mosaic abides by all applicable child labor laws, as well as our global hiring and employment policies. In the United States and Canada, we do not employ anyone under the age of 18. In Brazil, we do not hire anyone under the age of 18; however, we participate in an apprenticeship program that is governed by Brazilian law, which occasionally employs apprentices who are under 18. We do not tolerate forced or compulsory labor. Mosaic complies with all statutory requirements in the locations where we operate, as well as our own employment policies, including our Commitment to Human Rights, which is guided by the UDHR, the most widely recognized definition of human rights and the responsibilities of national governments; the ILO Declaration on Fundamental Principles and Rights at Work; and the OECD Guidelines for Multinational Enterprises. Per our Commitment to Human Rights, Mosaic expects all of our business partners to comply with labor and employment laws in the countries where we operate, including laws pertaining to child labor and forced labor.

411-1 Total number of incidents of violations involving rights of Indigenous peoples and actions taken

MM5 Number of operations taking place in or adjacent to Indigenous peoples' territories

Although Mosaic does not conduct any operations on, or immediately adjacent to, any lands of Indigenous Peoples, in Canada there are four First Nations reserves (Cowessess First Nation, Ochapowace First Nation, Kahkewistahaw First Nation, and Sakimay First Nation) that are located within 100 kilometers of our Esterhazy, Saskatchewan potash mining operations. In addition, Cowessess First Nation leases approximately 160 acres of mineral lands to Mosaic for potash mining purposes, and Mosaic may from time to time enter into additional agreements to lease mineral rights owned by other First Nations. Mosaic has had no reported incidents related to violations involving rights of Indigenous peoples for the period covered in this report.

In Brazil there are three Quilombola communities — made up of approximately 650 people — residing near the company's Potash operations in the state of Sergipe. There were no reported incidents related to violations of the Quilombolas' rights in the period covered by this report. As a legal requirement prior to future Potash project development in Sergipe, Mosaic participated in a process with the Quilombola population to develop the Basic Environmental Plan for Quilombos (PBAQ) of Terra Dura, Patioba and Canta Galo. This collaborative process, as well as the outcome, are overseen and validated by public authorities. An Indigenous community of Mbya Guarani resides near our Fospar facility in Brazil. We continue to engage this group in efforts to help preserve their customs and culture. There were no reported incidents related to violations of their rights in the period covered by this report.

We do not have any reserves in or near areas of conflict.

Management Approach: Local Communities

Our local communities are our homes, and we have a vested interest in their sustainability. We understand that for Mosaic to prosper, so must our communities. We support formal and informal communication channels to connect our employees, communities, partners and customers. Examples include our Community Advisory Panels (CAPs) in Canada and Central Florida, regular meetings with communities in Brazil, as well as regional and international microsites intended as open lines of communication between Mosaic and local communities.

413-1 Percentage of operations with implemented local community engagement, impact assessments, and development programs

In alignment with Mosaic's Environment, Health and Safety policies, we are committed to conducting all business activities in a manner that protects the environment and the health and safety of our employees, our contractors, our customers and the public.

Our guiding principles — which state that we are responsible, innovative, collaborative and driven — define how we conduct business, how we interact with colleagues, and how we treat our communities and planet. Accordingly, 100 percent of our operations have impact assessment and development programs. We employ a variety of approaches to systematically assess and manage the diverse impacts of industry on the various communities in which we operate.

There were no non-technical delays as a result of political or community relations issues in 2021.

Sustaining Our Global and Local Operations

Although Mosaic continues to refine and adapt community investment programs throughout South America and Asia, due to the nature of our business and potential impact, this report heavily emphasizes the areas where our operations and employees are centered: Central Florida in the United States; Saskatchewan, Canada; and Brazil. View a list of **our locations** (62 as of the date of this report).

Our operations in Saskatchewan, Central Florida and Brazil work diligently to engage local communities as part of a strategy to proactively manage social risk. Mosaic's engagement within local communities includes monthly meetings with a series of CAPs, civic organizations, elected officials, civil servants and other opinion leaders. When the business plans to expand operations, we host community forums and participate in public hearings convened by local and regional governments. In each of our operating geographies, we consult communities and other stakeholders prior to the start of mining or business expansion.

Assessing Our Environmental Impact

Mosaic is committed to conducting and reporting the results of environmental impact assessments. In April 2013, the final Areawide Environmental Impact Statement (AEIS) on Phosphate Mining in the Central Florida District was released by the U.S. Army Corps of Engineers (ACOE) for public review. Administered by the ACOE in compliance with the National Environmental Policy Act, this process analyzed the environmental scope and potential impacts of phosphate mining in Central Florida.

The Mosaic Potash segment conducts regular environmental impact assessments, reporting the results to the Saskatchewan Ministry of Environment. All environmental impact assessments have been submitted and approved to date. Additionally, the Mosaic Potash facilities in Saskatchewan conduct thorough biological assessments of proposed expansion sites, such as the assessments for any new tailings expansions, as well as the K3 site at Esterhazy. Each of these assessments includes field surveys to identify rare species of plants and animals of special concern to identify if mitigation programs are required.

413-1 Percentage of operations with implemented local community engagement, impact assessments, and development programs (continued)

Developing and Consulting In Our Communities

The Mosaic Company, The Mosaic Company Foundation and The Mosaic Institute in Brazil make investments in our global communities through philanthropic grants, employee engagement and in-kind donations. Combined contributions in 2021 were more than \$15 million.

In 2021, Mosaic operations in Florida committed approximately \$5.9 million, and operations in Saskatchewan committed more than \$3.7 million to enrich and improve communities where we have offices and operations. In Brazil we invested more than \$1.8 million in local communities.

Mosaic employs regional, full-time public affairs (PA) staff to support all communities where we have an operating footprint. Mosaic PA staff are committed to maintaining an open dialogue with the people in our communities, assessing local needs and building partnerships designed to improve community vibrancy for local residents. Independent CAPs help facilitate this work. Underwritten by Mosaic, CAPs serve as a forum for open discussion among representatives of the local community and provide a place for companies to discuss community response to industry developments and plans.

In 2021, Mosaic's Brazil operations revised dam emergency plans in cooperation with civil defense groups, emergency personnel, municipalities and other stakeholders. We continued the dam management program in 2021 without the simulations due to pandemic conditions, but we anticipate resuming them in 2022. Additionally, we engage communities that are potentially impacted or impacted by our operations through programs that build trust and encourage two-way dialogue aimed at addressing environmental issues with the Environmental and Citizen Awareness Program.

Recognizing Indigenous Rights

The issue of indigenous engagement is relevant to Mosaic. We recognize the deep connection that indigenous peoples often have to the natural and human resources the mining industry relies on to conduct its work. Given the nature of Mosaic's core business, and our daily interaction with communities and with air, water and land resources across our operations, we prioritize indigenous engagement and understand its implications on the protection of human rights, environmental stewardship and safety.

In some locations, there are cultural implications to our business that Mosaic addresses through community engagement. Mosaic recognizes the significance of building relationships with First Nation and Métis organizations throughout Saskatchewan. For example, Mosaic partners with the Saskatchewan Indian Institute of Technologies' Mining Industry Prep Programs, to prepare Saskatchewan's Indigenous workforce for careers in mining, and also with the Saskatchewan Science Center to provide science-based learning opportunities in Indigenous schools annually. We strive to be a thoughtful and engaged neighbor who invests carefully and generously, and, through working with First Nations and Métis communities, we identify strategic opportunities to target grant funding to initiatives and projects that are important to the growth and sustainability in the areas where we operate.

In Brazil we engage Quilombola communities near our potash operations in Sergipe in cultural and educational initiatives aimed at achieving several outcomes: administrative and management training for community leaders and associations; prevention of sexual exploitation of children and adolescents; reduction and avoidance of alcohol and drug use; and support for traditional African festivals. Please see **411-1** and **MM5** for more information.

Engaging Our Stakeholders

Mosaic is committed to stakeholder engagement, and public outreach efforts. Through face-to-face meetings, social media, government relations, facility tours and more, Mosaic connects with stakeholders to keep them well informed and engaged with our mission to help the world grow the food it needs.

- Mosaic employees conduct tours of mines and manufacturing facilities for local, state and federal elected officials and staff, customers, investors, students, community leaders, the media, and nonprofit and civic groups throughout the year.
- Mosaic has an engaged social media presence (Twitter, Facebook, YouTube, LinkedIn). These media enable us to share information with the general public and engage in conversations about our business, making thousands of impressions on users and community members.

413-1 Percentage of operations with implemented local community engagement, impact assessments, and development programs (continued)

- Mosaic is an engaged business partner. We regularly collaborate with customers in crop nutrient education and business management principles through various events, such as Mosaic's AgCollege, which hosts approximately 250 of Mosaic's strategic customers from the United States, Canada, Mexico, Argentina, Brazil, Australia, Chile, China and India for the premier education, personal growth and leadership development event for fertilizer retailers.
- As a member of The Fertilizer Institute, Fertilizer Canada, the Saskatchewan Mining Association and Brazilian Mining Institute, Mosaic presents important information to government groups and decision-makers who directly impact operations, our current expansions, and our investments in our communities.
- In all regions where we have operations, Mosaic participates in ongoing consultation with government, covering topics such as operations updates, the need for infrastructure, consistency surrounding tax, partnership opportunities and Mosaic's approach to sustainability.
- Stakeholders may reach Mosaic in several different ways.
 - Send comments or questions regarding this report to mosaic.sustainability@mosaicco.com
 - Contact our Board of Directors via written communication in care of the General Counsel at the address of the company's executive offices, or by email: directors@mosaicco.com

413-2 Operations with significant actual and potential negative impacts on local communities

Mosaic provides significant economic and social benefits to the local communities in which it operates. However, as with all mining activities, the extraction and beneficiation of phosphate and potash and subsequent processing to meet the global demand for mineral fertilizer has the potential to cause environmental impacts. One such impact at our mining facilities in Central Florida is the loss of farm output due to farmland being used for mining. The AEIS noted that Mosaic's mining operations, as forecast for 2011 to 2050, will have a net positive economic impact on the local economy. Any economic effects from losses in farm output would be more than made up for by higher paying employment and economic activity resulting from mining. Additionally, land reclaimed from mining is returned to productive use once released from reclamation requirements.

Mosaic operates in a highly regulated and monitored industry. We work closely with state/provincial and federal officials on operations, expansions and sales to ascertain the environmental impact of industry activities on local communities. Through these efforts, Mosaic has identified and implemented mitigation opportunities that safeguard local communities from potential negative impact. For example, in Brazil we work closely with communities and local public authorities to communicate risks and safety precautions related to mining dams. These efforts include the formation of action groups that will be trained to recognize and act in emergency situations. In 2021 we increased our dam emergency plan collaboration in cooperation with civil defense groups, emergency personnel, municipalities and other stakeholders. Simulation exercises, which were put on hold due to Covid-19, will return in 2022. Additionally, we engage communities that are potentially impacted or impacted by our operations through programs that build trust and encourage two-way dialogue aimed at addressing environmental issues. An Environment and Citizen Awareness Program provides further opportunity to engage our operating communities and build awareness of our operations.

For more information on actual or potential impacts, please see the discussion of risk factors in our **2021 10-K** (pgs. 21–34).

MM6 Number and description of significant disputes relating to land use, customary rights of local communities and indigenous peoples

MM7 The extent to which grievance mechanisms were used to resolve disputes relating to land use, customary rights of local communities and indigenous peoples, and outcomes

We did not engage in disputes related to the land use or customary rights of local communities and indigenous people in North America or Brazil in 2021.

Grievance mechanisms vary by geography. In Canada, in line with requirements set forth by the Government of Saskatchewan, when undertaking a new development, Mosaic adheres to provisions of The Heritage Property Act to protect any heritage resources, including Indigenous resources. The heritage screening process within a project area includes partnering with a third-party expert and consulting with the Saskatchewan Heritage Conservation Branch of the Government of Saskatchewan. This information is included in a comprehensive report that is subsequently provided to the Saskatchewan Ministry of the Environment for review and approval prior to development.

In the United States, our activities are subject to rigorous state and federal laws and regulations that help protect against the destruction of items of historical or cultural significance. Specifically, before mining in Florida, Mosaic seeks an Environmental Resource Permit (ERP), which includes a third-party archaeological survey of the property we intend to mine as required by State of Florida's Division of Historical Resources (FDHR). The process entails a land title search, a review of events that have been recorded in master site file and register of historic places, and a grid-style field investigation around the perimeter of the parcel of land to shovel test the area for items of archaeological significance.

On December 22, 2020, the Florida Department of Environmental Protection (DEP) assumed administration of the federal Clean Water Act 404 permitting program. DEP reviews and issues 404 "dredge and fill" permits for projects affecting "State-assumed waters" in accordance with a Memorandum of Agreement (MOA) with the U.S. Environmental Protection Agency (EPA). The MOA is designed to ensure DEP satisfies all federal policies, standards and procedures applicable to 404 permits. With respect to "Historic Resources," (which term includes archeological resources, Native American habitations, ceremonial sites and abandoned settlements), the 404 permitting process follows the ERP process with FDHR reviewing whether a proposed project will affect protected resources. Additionally, DEP is required to send a copy of the Public Notice to a potentially affected tribe prior to issuance of any 404 permit, where the project has the potential to affect tribal water or resources. The tribes may submit comments and proposed project modifications for DEP's consideration. If DEP declines to adopt tribal recommendations, DEP must share those recommendations with USEPA — giving USEPA the opportunity to object to issuance of the 404 permit until tribal concerns are addressed.

For projects affecting waters and wetlands that are not "State-assumed waters," the federal 404 permit is issued by the U.S. Army Corps of Engineers (Army Corps). For those projects, the Army Corps, a federal agency, reviews the FDHR report and coordinates review with potentially affected tribes, including the Seminole Tribe, at which time the tribe can express objections or suggest project modifications for the Army Corps to incorporate into the final 404 permit. Whether issued by the DEP or Army Corps, the 404 permit will include a condition that mandates work stoppage if remains or artifacts are discovered during mining operations — a measure that serves as further protection for items of archeological or tribal significance.

Mosaic's operations in Brazil are primarily on land which we access through owned mineral rights. Prior to the start of mining in Brazil, and as a condition of the mine permitting process, we must conduct cultural and archaeological studies to identify areas of potential significance. Any such area — referred to as an "occurrence" — is put under local management in accordance with permits. To date, there are known archaeological occurrences identified around Tapira, Patrocínio and Catalão mines. Beyond rescuing and preserving the artifacts or materials discovered during these studies, Mosaic develops a cultural educational program to protect the knowledge of cultural materials and educate and engage surrounding communities in an ongoing discussion about their history and value. These archaeological programs are managed in line with a Brazil law from IPHAN (National Historical and Artistic Heritage Institute), which defines Mosaic's obligation as a mining company to protect cultural heritage.

Management Approach: Public Policy

As one of the world's leading crop nutrient companies, Mosaic has a responsibility to be actively engaged in the promotion of sound and sustainable public policies. We proactively educate all levels of our employees and government officials on the key issues our company and operations face, our value to operating communities, and our vital role in the world's food production. Mosaic supports elected officials, candidates for public office, and political committees that are supportive of Mosaic's mission and share our views on important issues, such as maintaining a strong North American manufacturing and mining base, recognizing the importance of crop nutrients in maintaining domestic and global food security, and supporting reasonable science-based regulation with responsible environmental stewardship.

Please see **102-12**, **102-13** for a list of the industry organizations of which we are members, some of which represent the public policy needs of our industry within our operating communities.

415-1 Total value of political contributions by country and recipient/beneficiary

Amounts of political contributions are reported based on when Mosaic issued the check, which in some cases may be in a different year than when the check was delivered and reported by the receiving candidate or organization. Contribution levels vary in accordance with election cycles in local and regional communities where we operate.

POLITICAL CONTRIBUTIONS (U.S. DOLLARS)								
	2017	2018	2019	2020	2021			
United States	252,050	626,614	244,841	356,598	320,647			
Canada*	11,400	10,713	11,916	23,163	4,582			

NOTE: In line with local regulations, we do not make political contributions in Brazil. United States political contributions include both "hard" and "soft" money donations, with contributions made from the Mosaic Company Political Action Committee (PAC) included in the United States total. The 2018 increase in our United States political contributions reflected an election cycle in which most of Florida's Senate and House offices were up for election, as well as all four Florida statewide elected offices. *The Canada figures were converted to USD using the currency exchange rate on December 31 of the respective calendar year. Since the figures were not converted on the actual date of the contribution, the amount in USD on the date of the contribution may differ slightly from what is reported here.

MM9 Sites where resettlements took place, the number of households resettled in each, and how their livelihoods were affected in the process

Mosaic's North American operations are well established mining regions with 50-plus years of operations. Mosaic purchased private properties near our operations in Canada and the United States in 2021, but no resettlements of communities took place.

In Brazil, we negotiated resettlements with three families near our Catalão facility, resulting in three resettlements that will take place in 2022.

MM10 Number and percentage of operations with closure plans

Mosaic has plans in place as required by governmental regulations for the closure and post-closure care of our phosphogypsum management systems at eight former and current phosphoric acid manufacturing plants in Florida and Louisiana. Similarly, Mosaic has plans in place as required by governmental regulations for the closure and post-closure care of all its Carlsbad and Saskatchewan mining operations. In Brazil we have closure plans in place as required by governmental regulations for the closure and post-closure care of all production facilities, except for one, which is operating under a lease agreement with the government that calls for the facility to be maintained and reverted back to the government at the end of the concession period.

For specific details on our estimated asset retirement obligations, refer to our 2021 10-K (pg. F-16).

Management Approach: Customer Health and Safety and Marketing and Labeling

Communications related to the health and safety of Mosaic's products are directed up and down the value chain, such as supplier certification requirements as part of sourcing and procurement of inputs, (material) safety data sheets (M/SDS), labels, registrations, quality/traceability information, training and educational materials.

Mosaic's research and development processes include internal and external research and science-based data generation to advance product advocacy and customer results.

Finally, process improvements include an Environmental Health and Safety Management System that is aligned to ISO 14001, ISO 45001 and ANSI-10, enterprise mechanical integrity programs and contractor accountability programs.

We believe Mosaic's products are among the most responsibly sourced in the world, and we are committed to the sustainable manufacturing of our products. For example, Mosaic uses improved raw material sourcing guidance for sulfuric acid and zinc to prevent impacts to our products with trace metals.

416-1 Assessment of the health and safety impacts of product and service categories

In 2021, approximately 44 percent of Mosaic's products, representing approximately \$5.3 billion in revenue, are GHS Category 1 or 2 hazardous substances. This figure includes revenue from the sale of crop nutrient, animal feed and industrial products, as well as coproducts and materials that are sold as part of supply agreements. It excludes blends from the Mosaic Fertilizantes business, some of which might be categorized as GHS Category 1 or 2.

As for hazard assessments, a portion of the Muriate of Potash (MOP) products sold through Canpotex agreements, representing approximately 9 percent of companywide revenue in 2021, undergo a REACH hazard assessment. The remainder of our products undergo various other health and safety assessments. For example, we conduct pre-job risk assessments (PJRAs) to identify potential hazards associated with manufacturing jobs and to prevent health and safety incidents from occurring. Through facility-level PJRAs and various other hazard assessment techniques — all of which are governed by Mosaic's environment, health and safety management system — we identify, implement mitigation controls for, document and communicate health, safety and environmental measures to manage risks so products can be safely used for their intended purposes.

417-1 Requirements for product and service information and labeling

One hundred percent of Mosaic's products are subject to labeling requirements. We comply with safety, environmental, labeling and registration required by country and local governments where we sell and distribute fertilizer, animal feed and industrial products.

Mosaic provides the required country, state and local product documentation for all shipments. This includes detailed labels, data specification sheets and a safety data sheet (SDS) for all products. These documents provide information about proper product handling, safety precautions and guaranteed analysis. Situations requiring disposal are also addressed in the SDS. For product undergoing vessel transport, the SDS includes certification that the discharge of cargo hold rinse is not harmful to the marine environment.

Approximately 44 percent of Mosaic's products are categorized as Globally Harmonized System of Classification and Labeling of Chemicals (GHS) hazard Category 1 or 2. GHS defines and classifies the hazards of chemical products and communicates health and safety information on labels and safety data sheets. See **416-1** for more information.

As it relates to safe use of our products, Mosaic promotes customer education following the **4R Nutrient Stewardship** framework of the Right nutrient source, applied at the Right rate, at the Right time and at the Right place. Our agronomists share this message worldwide.

More Information: Animal Testing

Some stakeholders have expressed an interest in Mosaic's involvement with animal testing, so we offer important context here. We produce animal feed ingredient (AFI) products (approximately 2 percent by weight of total products) that contain phosphate and potash. The U.S. Food and Drug Administration (FDA) is the primary Federal regulatory agency responsible for ensuring the safety of AFIs. Both the phosphate and potash components, and the resulting finished animal feed ingredient products they go into, are considered "generally recognized as safe" (GRAS) by the FDA. Therefore, safety testing is typically not needed as it has already occurred. There are respective approval and registration processes in each of the countries where we sell our products, but many of those jurisdictions rely on the FDA's stringent guidelines.

In those limited instances where testing may be needed to evaluate the efficacy of our products, we work with third parties to conduct intermittent bioavailability studies involving animals.

417-2 Incidents of non-compliance concerning product and service information and labeling

Mosaic has systems to manage, track and monitor incidents related to non-compliance with regulations and voluntary codes concerning product and service information and labeling. We are committed to quality and responsible labeling. We investigate all questions or claims about the labeling or guaranteed analysis of our products and work with the customer and/or appropriate agency to resolve any claims that arise. Companywide in 2021, the sum of claims that resulted in penalties totaled less than \$15,000.

View online.

mosaicco.com



The Mosaic Company 101 E. Kennedy Ave. Tampa, Florida 33602 800.918.8270 mosaicco.com





