



# HIGHLIGHTS FROM

## CORPORATE RESPONSIBILITY

REPORT



SHAPING THE  
**FUTURE**

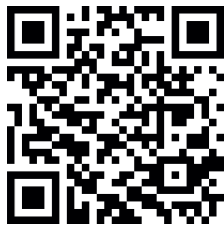
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## About this report

*Following are highlights, main figures and trends from ICL's 2019 comprehensive and interactive Corporate Responsibility [web-report](#).*

*We invite you to visit our full web-report and get an in-depth look at our goals, initiatives and performance.*

<http://icl-group-sustainability.com>



The full web-report covers all of ICL's global operations. The quantitative information in it relates to all ICL production sites and additional facilities where ICL maintains operational control. The report was written in accordance with the GRI Standards Core option. See the ['GRI Content Index'](#) page for more details. A third-party external assurance process was completed for the full report. The process focused on ensuring that material topics adequately guide the disclosure in this report. This external assurance was conducted in accordance with the AA1000 Assurance Standard. The report was found satisfactory in fulfilling the standards' key principles of inclusiveness, materiality and responsiveness, as well as in fulfilling GRI's guidelines.

Read the complete [assurance assessment](#).

# ICL at a glance

***ICL (Israel Chemicals Ltd.) is a global fertilizer and specialty chemicals company operating Bromine, Potash and Phosphate mineral value chains.***

ICL's products and solutions are used in key agricultural and industrial markets. Potash, phosphate fertilizers and specialty fertilizers that ICL mines and formulates, are critical for farmers worldwide, improving yields and quality of crops. The company is also expanding its offering of innovative ag solutions. Leveraging its unique assets and know-how, ICL is fostering innovation through the development of new products and applications. These include new Bromine and Phosphorus-based flame retardants, magnesia and salt products, personal care and pharmaceuticals, as well as solutions for energy storage, urban mining and for additional needs.

**42 PRODUCTION SITES**  
**LOCATED IN 13 COUNTRIES**



***ICL currently employs approximately 11,000 full-time employees worldwide.***

ICL's experience, knowledge and professionalism derive from over 80 years of mining and production of downstream specialty mineral products and formulations. Together with its logistic advantages, and its continued focus on R&D and innovation, ICL has become a world leader in bromine-based products and specialty fertilizers.

ICL is a public company and its shares are dual-listed on the New York Stock Exchange (NYSE) and the Tel Aviv Stock Exchange (TASE). ICL's 2019 sales totaled \$5.3 billion.

**LOGISTICS AND DISTRIBUTION**  
**IN OVER 30 COUNTRIES**



## Economic Impact

***To promote sustainable development, ICL leverages its resources and assets to enhance growth in areas in which it operates.***

This enables ICL to be a leader in providing employment opportunities to local residents and contributing to the communities in which it operates, thereby improving the quality of life in those communities.

ICL invests great amounts in developing industrial capabilities. ICL supports the livelihood of approx. 32,000 families in Israel (directly and indirectly), including approx. 19,000 families in the Negev region of south Israel.



ICL is responsible for 15% of the Negev's economic activity, worth approx. ILS 10.7 billion (\$2.95 billion) in GDP. The Company is a vital for the economic strength of this region and for its continued growth.

## ICL SUPPORTS THE LIVELIHOOD OF

**32,000**  
FAMILIES IN ISRAEL  
INC. **19,000** IN THE NEGEV



## COVID-19 Response

***2020 brought about a global crisis, unprecedented in modern times, in the form of the COVID-19 virus, along with its significant health and economic repercussions.***

ICL has been operating on multiple levels to ensure the health and safety of its employees and their families during these challenging times.

The company is also harnessing its capabilities and resources to find various solutions for the repercussions of the COVID-19 crisis for the company's employees, the communities in which it operates, its customers and its suppliers.

In addition, as a leading fertilizer company, ICL's business activity allows for the timely supply of fertilizers to farmers, in order to maintain food security throughout the globe even during the crisis.



# Sustainability Vision

## *ICL has introduced its corporate 2030 Sustainability Vision.*

The 2030 vision includes ambitious goals for major global challenges and is in accordance with our ESG (Environmental, Social, Governance), leadership strategy. Our vision includes quantitative goals for challenges such as climate change, renewable energy, circular economy, supply chain engagement and making a positive impact with the communities in which we operate.



### ***Reducing ICL Greenhouse Gas emissions VS 2018***

3% YOY (year-on-year) improvement until 2030



### ***Renewable Energy usage***

20% YOY increase until 2030



### ***Circular Economy***

30% YOY increase in re-use of waste streams (in MT) until 2030



### ***Sustainable Procurement (TfS program)***

Sustainability assessments - 5% improvement YOY



### ***Leadership in sustainability reporting & ranking***



### ***Employee Environmental Responsibility***



### ***Engaging our communities & stakeholders***

Contribution of 1% of income before tax  
Annually increasing employee volunteering by 10% of 2019 base rate



### ***Transparency & open dialogue with environmental organizations***

## Awards & Recognition

In recent years, ICL has received growing recognition of its significant efforts to enhance sustainability in all aspects of its operations. Sustainability related awards and high ESG rankings have been achieved on a global, regional, and site basis.



### ***Proud to be included in the exclusive FTSE4Good index***

The index includes a limited group of leading companies recommended for responsible investment, after demonstrating strong Environment, Social and Governance practices



### ***Awarded the maximum Platinum + ranking in the Maala index***

the leading corporate responsibility index for businesses in Israel



### ***Silver ranking in the EcoVadis Sustainability Assessment***

EcoVadis is considered a global leader in ranking sustainable practices of suppliers



### ***Achieved the highest increase in ranking within 2 years, in the Israeli BDI***

"Best Companies to Work for" index, ranked 38th among all Israeli companies

### **Bloomberg**

### ***68 score in the Bloomberg ESG Disclosure rating; highest among Israel-based companies and among global fertilizer producers.***

The Bloomberg ESG Disclosure rating is one of the most widely recognized sustainability investor indices for Environment, Social and Governance performance



### ***'A-' CDP Carbon Score- highest score for Israel-based company; tied for highest among global fertilizer producers***

The CDP measures the awareness and action of global companies on climate change



### ***The only Israeli and only fertilizer company included in the Bloomberg Gender - Equality Index (GEI)***

The GEI distinguishes companies that are committed to advancing gender equality

# Sustainable Solutions

As awareness of global and regional sustainability challenges has increased, ICL has developed a multi-level approach. The company focuses on introducing products and solutions that increase the positive impact of its business globally through existing and new products.

***ICL's RD&I is looking at the SDGs as guiding principles for development of new products and solutions.***

## Advancing Food Security

The UN SDGs serve as guiding principles in ICL's quest for new products. This is especially true for SDG 2 – Zero Hunger. ICL plays a vital part in ensuring global [Food Security](#), from growing food with advanced fertilizers through alternative proteins and products made for food preservation. Such solutions include [controlled release and other high performance fertilizers](#), integration with sophisticated irrigation technology and precision agriculture. Another good example is [Polysulphate](#), an organic high-quality fertilizer with low environmental footprint, of which ICL is currently the only global producer.

***Mineral fertilizers are responsible for over half of the world's food production***





The fertilizer industry helps to overcome agricultural challenges and facilitates increased crop yields on existing agricultural land, preventing excess conversion of natural habitats into agricultural land.

As a major producer of fertilizers and specialty fertilizers, ICL's products enhance yields and improve crop quality, increase nutrient use efficiency and protect the environment by minimizing the loss (through leaching and volatilization) of nutrients.

***ICL has developed innovative technology to produce vegetable-based proteins that are virtually indistinguishable from traditional meat products.***



## **Advancing balanced and efficient fertilization through collaborations**

Food abundance and quality are critical for the nutrition of the growing global population.

ICL works with farmers, governmental organizations, academia and scientists to improve agricultural methods and to create abundant, nutritious food.

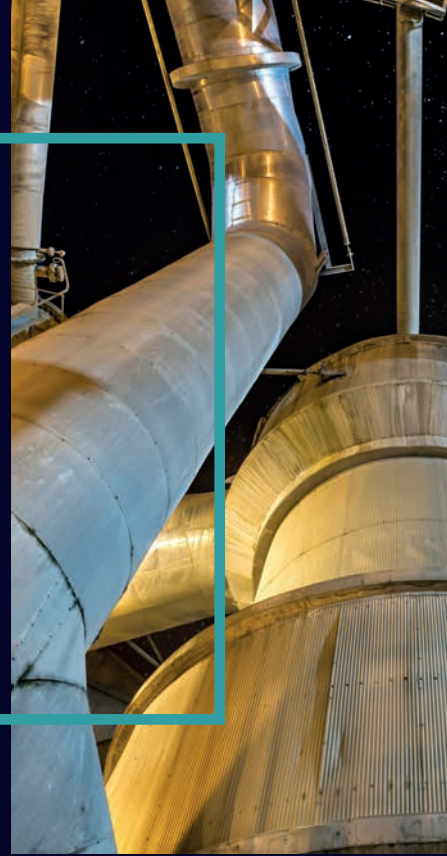
ICL collaborates with numerous farmers in their fields, testing advanced fertilizer application, learning together and disseminating knowledge.





## Industrial Applications

ICL's industrial chemical know-how and its access to mineral resources serve industries beyond the agricultural sector. These specialty products are used by a range of other manufacturing and infrastructure sectors, including pharmaceuticals, food and beverages, home furniture and appliances, construction and electric power utilities as well as in new and developing sectors, such as energy storage and urban mining.



## Energy Storage

Energy storage is a crucial component needed to enable the effective integration of renewable energy and to unlock the benefits of a clean, local, resilient energy supply. ICL is committed to developing advanced bromine-based technologies that have the potential to become a new solution for energy storage.

The company is partnering with a range of industry players from research institutions to developers of energy storage applications to advance innovation in the energy storage market.



## Naturally based personal care products

ICL-Specialty Minerals has developed safer and naturally based personal care products. **CareMag®D**, is a new deodorant compound, and **CareMag®B** is a new baby skin care product. Both are based on magnesium from Dead Sea salts and are 100% naturally based (with Cosmos approval).



## BromoQuel™

In parallel to products and solutions that ICL develops for its customers, the company's operational focus is to reduce its environmental impact, as well as apply top-tier risk management and pollution control measures. In its search to reduce the hazards of working with one of its main raw materials, Bromine, ICL developed BromoQuel™, a solution for a safe response and an immediate suppression of Bromine vapor and liquid spills.



## Product Stewardship

Product stewardship means assuming the responsibility for minimizing a product's environmental impact throughout all stages of its life cycle. It is an inherent part of ICL's operations and applies to all of its activities throughout all stages of product life, including the extraction of raw materials, product development, production and operation, logistics and distribution, product use and the end of the product's life. ICL takes actions throughout the value chain to increase its positive impact and minimize any negative impact.

In the product development phase, relevant ICL's RD&I departments have implemented a Sustainability Index. It is a combination of environmental, health and safety criteria with commercial and operational considerations that are taken into account when developing new products.





## SAFR® - Systematic Assessment for Flame Retardants

Flame retardants (FRs) allow inherently flammable materials to meet rigorous fire safety tests. From everyday electronics to airplane plastics and cinema seating, FR materials are an essential part of safe modern living. But fire safety should not compromise safety for human health and the environment.

SAFR® is an ICL-developed tool that measures the sustainability profile of each individual FR based on its expected uses.

Through SAFR®, ICL is helping its customers make informed choices on FR purchase and usage, minimizing safety and environmental risk. In Feb 2020, the SAFR® methodology for measuring FR blooming (migration to surface) was accepted as an ASTM and is now [publicly available](#).

## Circular Economy

ICL is developing products and methods that will enable it to be an active participant in the efforts to create a global circular economy.

ICL is piloting and implementing production processes aimed at using internal and external byproducts as raw materials and as fuel. In parallel, the company is increasing its efforts to search for business partners who could use byproducts created at ICL sites.

In the company's Industrial Products division, ICL is focused on retrieving bromine from various waste streams. One of the main initiatives is a Polystyrene Loop project which focuses on recycling building insulation. This project won the Blue Tulip Award 2020 (Netherlands) in the climate category.

In its Phosphate Solutions division, ICL is developing new sources for producing phosphorus fertilizers from sources other than phosphate rock, such as human sewage, animal manure and waste ash. The division is also exploring and collaborating with diverse manufacturing companies that can re-use its major byproduct streams, such as Fluorosilicic Acid and Oil Shale Ash. In addition, ICL is now using wood by-products from the timber industry as growing media, gradually replacing peat extraction.





# Environmental Performance

ICL operates with a clear commitment to full environmental compliance and to be in the top tier in safety performance and environmental responsibility.

It is committed to minimizing the environmental impact of its operations. As a chemical and mining company, ICL is aware of the potential impact of its operations and products.

The company significantly invests in measures for environmental protection, pollution prevention and resource efficiency.

## Raw Materials & Material Extraction

ICL activities are built around three main minerals – Potash, Bromine and Phosphate, which are the main raw materials for most of its downstream products along the company's integrated value chains. These minerals are mined and extracted at various ICL sites.

Although ICL mines most of its raw materials, it is unique in its material use efficiency, building on industrial synergies of its internal value chains to create highly specialized minerals and chemicals.

In its ever-growing search for sustainable solutions, ICL is also researching alternative raw materials that advance a circular economy.

**ENVIRONMENTAL PROTECTION SPENDING**  
\$110 MILLION 

ICL is careful to consider environmental factors when using land and when it engages in its operations, particularly in ecologically sensitive areas or areas with unique cultural value.

These include biodiversity surveys and reclamation activities in its various sites.



## Energy & Climate Change

ICL strives to continuously improve energy efficiency and decrease its emissions. It is doing so by increasing its use of clean and renewable energy, utilizing highly efficient electricity production units (natural gas based cogeneration) and implementing multi-year energy efficiency programs.

### I Renewable energy

As part of its sustainability vision for 2030, ICL has recently set a target of annually increasing by 30% (year-on-year) the amount of renewable energy it consumes (replacing non-renewable sources). Most of ICL's sites in Europe have transitioned to 100% renewable electricity during 2019-20, and the company plans to install PV solar energy capacity at several global sites. 10% of ICL's global indirect energy consumption in 2019 was derived from renewable sources.

***Most of ICL Europe sites have transitioned to 100% renewable electricity during 2019-20.***

ICL takes extensive actions to reduce its Greenhouse Gas (GHG) emissions. The main initiatives include reducing GHG emissions from chemical processes, transitioning to natural gas as a primary fuel source, pursuing a multi-year energy efficiency plan, increasing renewable energy usage and the future elimination of Oil Shale combustion. These initiatives have so far created a 24% reduction in the company's global GHG emissions compared with the 2008 base year.

***As part of ICL's sustainability vision for 2030, ICL has ambitious targets for climate action. These include achieving a 45% reduction in the company's overall Scope 1+2+3 emissions by 2030 (using 2008 as its base year), and a 3% YOY (year-on-year) reduction from 2019 and onwards.***



## Air Emissions

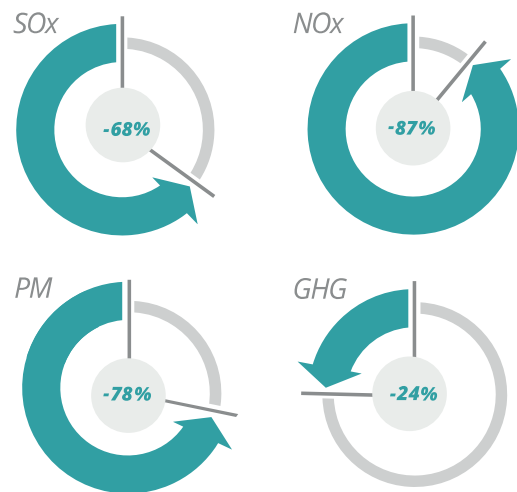
ICL strives to continuously improve its environmental footprint. Reducing air emissions is a central goal of its environmental strategy. ICL regularly monitors emissions of pollutants in order to better manage its operations. The company is taking steps to reduce air emissions by implementing innovative emission prevention solutions and switching to cleaner fuels.

In 2019, ICL's global sulfur oxides emissions were reduced by 26% vs 2018; nitrogen oxides emissions were reduced by 5%; particulate matter emissions were reduced by 37%; and emissions of Ammonia were reduced by 63%.

***Since its 2008 base year, ICL has reduced its global point SOx emissions by 68%; point NOx emissions by 87%; and point PM emissions by 78%. These reductions resulted primarily from the major transition to natural gas use at ICL Israel, in combination with some other site-specific emission reduction improvements.***

## ENVIRONMENTAL PERFORMANCE

SINCE 2008, ICL'S AIR EMISSIONS HAVE BEEN **REDUCED** BY:



## Water & Wastewater

ICL regards water as a high-value natural resource. Water conservation is a prominent element of ICL's business culture. Many ICL facilities are located in water-stressed regions, and the company is aware of the need to treat this high-value natural resource with care. ICL production facilities maintain various water conservation projects, from using brackish water to recycling wastewater.

## Waste

Most industrial processes have various types of by-products. Some can be introduced back into the production processes, others can be used by other industries as part of industrial symbiosis. ICL is striving to implement the circular economy approach. The Company is trying to "close the loop" for both its production processes and its products. There are no clear trends regarding the amount of waste produced in ICL's plants, as amounts can vary significantly between years.





# Governance

## Conducting Business Fairly

ICL's corporate culture rests on core values that include conducting its business activities fairly and transparently, assuming responsibility for its actions, striving for excellence, respecting others, and a continued commitment to safety, to the environment and to the wellbeing of the communities where ICL facilities are located.

These values, together with the company's commitment to comply with all laws, regulations, compliance programs and procedures, are vital for ICL's continued growth and success.

ICL has various compliance programs to prevent bribery and corruption, including anti-money laundering and a Compliance Program in accordance with ICL's Code of Ethics.



**30% - Percentage of women serving as officers in ICL's executive global management**

## Corporate Governance

### Board & Governance Information

Total Number of Directors	10
Number of Non-Executive Directors on Board	10
Number of External Directors*	2
Number of Independent Directors**	4
Separate Chair and CEO	YES
Board Meetings Held in 2019	16
Annual Election of Directors	YES
Average Age of Directors	59
Women Board Members***	20%

ICL supports human rights as defined in the United Nations Universal Declaration of Human Rights. ICL prevents violations of human rights as defined by the laws of each country and site where it operates.

\* The definition of "external directors" is pursuant to the Israeli Companies Law, 5759-1999 (the "Companies Law").

\*\* Five directors are independent directors under the rules applicable to U.S.A companies listed on the NYSE. Four are independent according to Israeli regulations.

\*\*\* Since January 2020, the ICL Board of Directors has 10 members, two women and eight men. Throughout 2019, however, the Board included one woman.

# Fair & Responsible Employment

ICL strives to have a positive impact on all people affected by its activities. This desire is key to ICL's business strategy and is rooted in its organizational core values and culture of leadership.

ICL's culture and aspiration is to be a top tier performer in safety and environmental responsibility; to be an Employer of Choice; to leverage technology and industrial knowhow to meet the needs of its customers; and to utilize best practices for corporate governance.

## EMPLOYEE DEVELOPMENT

ANNUAL AVERAGE PER EMPLOYEE



ICL is committed to fair labor practices, supporting employee development and investment in the communities where it operates. The company has created a culture of integrity and purpose that unifies its employees around the world. ICL has implemented various plans and training programs for its employees and managers. Overall ICL employee turnover rate in 2019 was 7.0%.

***ICL's recognition as an Employer of Choice is significantly increasing. Within the last two years, ICL's has leaped from the 84th place to the 38th place, among all ranked companies, in the BDI "Best Companies to Work for in Israel" index.***

ICL is committed to ***diversity in employment*** and providing equal opportunities to its employees. This commitment is embedded in its Code of Ethics, policies (Diversity and Inclusion (D&I) policy and Global Anti-Harassment and Anti-Discrimination policy, procedures and practices. ICL strives to hire the best individuals by focusing on diversified candidates, and to promote and develop talent from within the company.



	<u>2018</u>	<u>2019</u>	<u>2024 Target</u>
Women in the Overall ICL Workforce	16%	18%	22%
Women in Overall ICL Management	13%	19%	30%
Women in Senior ICL Management	9%	14%	20%
Women participation in ICL Global Management Development Courses	21%	30%	30%

***In 2020 and for the 2nd straight year, ICL was selected as one of 325 public companies worldwide to be included in the 2020 Bloomberg Gender-Equality Index (GEI).***

***ICL is the only Israeli company to be included and the only company from the fertilizers industry. The GEI distinguishes companies that are committed to transparency in reporting their gender policy and advancing gender equality.***



ICL reaches out to under-represented groups and is working with various NGOs and other partners, initiating round table discussions in order to learn how to increase its pool of diverse talent. ICL has recently set a quantitative target- to achieve a 4% rate of Arab-Israeli (including Bedouin-Israeli) employees among its total workforce in Israel by 2024. This target requires that at least 7% of the total external recruits of ICL in Israel per year- would be of Arab-Israeli employees. As the company works to strengthen its recruiting activities, it is also implementing an advancement program for suitable, diversified candidates.





# Health & Safety

Ensuring the health and safety of ICL workers and their dependents is a top priority for the company. ICL is pursuing top-tier safety performance. To achieve this, ICL continually strives to improve the safety culture and behavior of its workforce, by taking proactive action to manage and reduce risks. The company invests extensive resources in safety training to prevent accidents and to ensure the health and safety of its employees, visitors and contractors who visit the company's sites and the safety of its product supply chain. ICL has adopted a comprehensive [Environment, Safety, Health and Security policy](#).

In 2019, ICL recorded a fatal accident involving a contractor worker and 76 non-fatal work accidents (vs 118 such accidents in 2018). The total number of accidents decreased by 36% between 2018 and 2019, for both company employees (-34%) and contractor employees (-39%).

ICL considers the significant improvement in most safety KPIs in 2019 to be a result of its enhanced safety practices and proactive culture, undertaken that year. These included implementing ICL's 5 safety principles, conducting wide-scale process risk assessments (PSAs), implementing contractor safety audits, and other improvements.



***ICL strives to continuously improve safety performance by taking proactive actions to manage and reduce risks.***

ICL is committed to continuous and proactive improvement in the safety culture at all of its work sites. One of ICL's main safety goals is to raise awareness of employees to the risks around them. As a learning organization committed to the HOP approach (Human and Organizational performance), ICL encourages improvement through transparency and trust on safety issues that will lead to a reduction in the number of incidents and accidents.



ICL takes responsibility for its contractors and business partners, as part of the company's vision to establish a leading position in safety practices. ICL is acting to ensure that its contractors are involved in proactive safety management, and have the right skills and knowledge to perform their work safely. The company performs contractor safety evaluations whose ranking is based on specific safety categories. Contractors who excel receive a recognition certificate, and ICL works with evaluated contractors to close any gaps. ICL aims to continue and increase its engagement with its contractors to ensure their safe work.

ICL's focus is on proactive indicators that prevent EHS related events from occurring. Part of the ICL Global EHS Management System is the establishment of Key Performance Indicators (KPIs) for EHS. These KPIs include the on-time and full completion of safety audits, incident investigations, realization of corrective actions, process hazard assessments, job safety assessments, scheduled safety training and additional KPIs.

## | ICL's 5 Safety Principles

*EHS Management System*

*Commitment and Engagement*

*Risk Management*

*Organizational Competence*

*Learning Organization*

## ■ Sustainable Procurement

ICL believes that sustainability is a shared responsibility. This means working together with the company's stakeholders, including its supply chain, to meet shared sustainability goals. In 2018, ICL joined the '[Together for Sustainability' \(TfS\)](#) initiative, a joint initiative of 26 global chemical companies. The TfS promotes supplier sustainability assessments and audits – to assess and drive sustainability performance of chemical supply chains.

In 2019, and as part of the TfS initiative, ICL approached over 600 suppliers, and has achieved valid Ecovadis assessments for 62% of its target top-spend suppliers. Also, in 2020 and for the first time, ICL has published its [Sustainable Procurement Policy](#) and [Supplier Code of Conduct](#).

ICL plans to continue these ongoing shared efforts to improve sustainable practice with its numerous suppliers.



# Community Engagement

ICL aims to be a growth engine for the communities in which it operates and strives to improve the quality of life in them. The company supports a variety of initiatives in education, sustainability, science and innovation aimed at empowering and strengthening the economic, social and communal fabric of these communities.

The core of ICL's social vision is community initiatives in which its employees collaborate with residents and local organizations. It works to be a positive force by donating funds as well as manpower in the form of volunteering or mentoring activities.

ICL prefers to target its specific activities based on input from the communities themselves. Both the communities and the company reap the rewards of ICL's involvement, which demonstrates social accountability and a shared sense of responsibility for the communities in which it operates.

**CONTRIBUTION  
TO COMMUNITY**   
**\$7.4MILLION**



**OF EMPLOYEES ENGAGING**

**IN VOLUNTEERING**

ACTIVITIES

***As part of ICL's commitment to the community, ICL held its first [Global Volunteer Week in 2019](#). Across the globe, ICL employees volunteered their time to help out their local communities.***

ICL has an ongoing dialogue with its neighboring communities and other stakeholders. During 2019, it welcomed as many as 20,000 visitors to its various production sites around the world and has held a total of 29 CAP forums globally.





# Key Performance Indicators

## Company Information

	Units	2017	2018	2019
<b>Sales</b>	\$ millions	5,418	5,556	5,271
<b>Operating income (loss)</b>	\$ millions	629	1,519	756
<b>Employees*</b>	#	12,660	12,125	12,117
<b>Employees unionized</b>	%	75%	70%	68%
<b>ISO 9001 or an eqv. standard for quality</b>	% of production sites certified	89%	93%	96%

## Employment Information \*

	Units	2017	2018	2019
<b>All Employees</b>	#	12,660	12,125	12,117
<b>Employees unionized</b>	%	75%	70%	68%
<b>Temporary employees</b>	#	229	231	313
<b>Part-Time employees</b>	#	325	325	150

\* "All Employees" figures include all company FTE employees and some additional long-term contract workers and student employees

## Health & Safety

	Units	2017	2018	2019
<b>OHSAS 18001/ISO45001 or eqv. standard for safety</b>	% of production sites certified	89%	89%	91%
<b>Rate of work accidents (IR Rate)</b>		0.82	0.73	0.49
<b>Rate of lost workdays (SI Rate)</b>		25.6	28.6	19.7
<b>Company Employees Accidents</b>	#	87	76	50
<b>Contractor Employees Accidents</b>	#	24	43	26
<b>Fatalities Company Employees</b>	#	0	0	0
<b>Fatalities Contractor Employees</b>	#	1	1	1

## Environmental Performance

		Units	2017	2018	2019
<b>Environmental Protection Spending</b>	Investments	\$ millions	33.9	43.8	51.1
	Expenditures	\$ millions	51.9	67.2	62.3
<b>Certification</b>	ISO 14001 or an eqv. standard for environmental management	% of production sites certified	89%	91%	93%
	ISO 50001 or an eqv. standard for energy	% of production sites certified	32%	32%	35%
<b>Energy</b>	Total energy use	GJ (millions)	30.8	34.9	36.5
	Direct	GJ (millions)	23	28.5	31.1
	Indirect	GJ (millions)	7.9	6.4	5.4
	Electricity	GJ (millions)	7.2	5.7	4.2
	Natural Gas	GJ (millions)	19.8	25.8	29.8

		Units	2017	2018	2019
<b>Water</b>	Total water use	m3 (millions)	70.9	72.1	71.9
	Potable	m3 (millions)	20.2	19.2	18.5
	Non-potable	m3 (millions)	50.7	53.0	53.4
	Grid (Municipal water use)	m3 (millions)	18.6	17.4	16.7
	Wastewater discharge	m3 (millions)	24.4	24.4	23.2
<b>GHG</b>	Total GHG Emissions 1+2+3	CO <sub>2</sub> e tonnes (thousands)	3,162	3,323	3,194
	Scope 1	CO <sub>2</sub> e tonnes (thousands)	1,932	2,278	2,496
	Scope 2 (market based)	CO <sub>2</sub> e tonnes (thousands)	1,140	952	612
	Scope 3	CO <sub>2</sub> e tonnes (thousands)	90	93	86
<b>Air</b>	NOx	tonnes (thousands)	1.9	1.5	1.4
	SOx	tonnes (thousands)	5.3	4	2.9
	PM	tonnes (thousands)	0.98	0.96	0.60
	NH3	tonnes (thousands)	0.021	0.087	0.032
	VOC	tonnes (thousands)	0.06	0.07	0.07
<b>Waste</b>	Total Waste	tonnes (thousands)	70.7	61.8	65.4
	Total Haz Waste	tonnes (thousands)	25.7	25.8	28.4
	Total Non-Haz waste	tonnes (thousands)	45	36	37.0
	Recycling Rate - Haz	%	26%	30%	25%
	Landfill Rate - Haz	%	67%	62%	66%
	Recycling Rate - Non Haz	%	47%	48%	48%
	Landfill Rate - Non Haz	%	52%	51%	49%



# ADVANCING **FOOD SECURITY**

