



# APPENDIX

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# SASB AND TCFD FRAMEWORK ALIGNMENT

Based on feedback gathered during our integrated investor outreach activities, we have aligned our disclosure with two additional frameworks: the Sustainability Accounting Standards Board Standards (SASB) and the Task Force on Climate-related Financial Disclosures (TCFD). Below is a mapping of how our latest disclosure aligns with these frameworks.

**SASB.** SASB has developed voluntary industry-specific disclosure standards for sustainability issues in order to facilitate communication by companies to investors of decision-useful information. Below, we have outlined how our existing disclosure aligns with the recommended metrics for the SASB Technology and Communications Sector – Semiconductor Standard.

Topic	Accounting Metric	Code	Intel Metric or Qualitative Disclosure	Disclosure Location
<b>Greenhouse Gas Emissions</b>	(1) Gross global Scope 1 emissions (2) amount of total emissions from perfluorinated compounds	TC-SC-110a.1	(1) 1.49 Million Metric Tonnes CO <sub>2</sub> e (2) 0.77 Million Metric Tonnes CO <sub>2</sub> e	<a href="#">2019-20 Corporate Responsibility Report, p 36</a> <a href="#">CDP Climate Change Survey</a>
<b>Greenhouse Gas Emissions</b>	Discussion of long-term and short-term strategy or plan to manage Scope 1 emissions, emissions reduction targets, and an analysis of performance against those targets	TC-SC-110a.2	We discuss our strategy and long history of goal setting and reductions. Through our actions we have achieved a 39% reduction in Scope 1 emissions on a per unit basis since 2010. We have also achieved a 31% absolute reduction of Scope 1 and 2 emissions since 2000, even as we expanded our manufacturing capacity significantly.	<a href="#">2019-20 Corporate Responsibility Report, p 36</a> <a href="#">2019 Annual Report on Form 10-K, p 14</a> <a href="#">2020 Proxy Statement, p 5, 8, 45</a> <a href="#">CDP Climate Change Survey</a>
<b>Energy Management in Manufacturing</b>	(1) Total energy consumed, (2) percentage grid electricity, and (3) percentage renewable	TC-SC-130a.1	(1) 34.6 billion gigajoules energy consumed (2) 81% grid electricity (3) 71% renewable energy globally.	2019-20 Corporate Responsibility Report, <a href="#">p 35</a> and <a href="#">p 38</a>
<b>Water Management</b>	(1) Total water withdrawn, (2) total water consumed, percentage of each in regions with High or Extremely High Baseline Water Stress	TC-SC-140a.1	(1) 45.2 million m <sup>3</sup> withdrawn (2) 11 million m <sup>3</sup> consumed. See <a href="#">Appendix</a> for detail on water metrics by location, including information on baseline waster stress by location.	2019-20 Corporate Responsibility Report, <a href="#">p 40</a> and <a href="#">p 76</a> <a href="#">2019 Annual Report on Form 10-K, p 14</a> <a href="#">2020 Proxy Statement, p 45</a>
<b>Waste Management</b>	Amount of hazardous waste from manufacturing, percentage recycled	TC-SC-150a.1	(1) 124.7 thousand tons (2) 81% recycled and achieved zero hazardous waste to landfill.	<a href="#">2019-20 Corporate Responsibility Report, p 42</a> <a href="#">2019 Annual Report on Form 10-K, p 14</a> 2020 Proxy Statement, p 45
<b>Employee Health &amp; Safety</b>	Description of efforts to assess, monitor, and reduce exposure of employees to human health hazards	TC-SC-320a.1	We disclose our strategy for employee health, safety and wellness, including our company-wide certification to ISO 45001.	<a href="#">2019-20 Corporate Responsibility Report, p 24</a> <a href="#">2019 Annual Report on Form 10-K, p 13</a> <a href="#">2020 Proxy Statement, p 43</a>
<b>Employee Health &amp; Safety</b>	Total amount of monetary losses as a result of legal proceedings associated with employee health and safety violations	TC-SC-320a.2	\$400 in 2019	<a href="#">2019-20 Corporate Responsibility Report, p 33</a>

## SASB and TCFD Framework Alignment, continued

Topic	Accounting Metric	Code	Intel Metric or Qualitative Disclosure	Disclosure Location
<b>Recruiting &amp; Managing A Global &amp; Skilled Workforce</b>	Percentage of employees that are: (1) foreign nationals and (2) located offshore	TC-SC-330a.1	We do not disclose the first metric as we do not believe a single percentage of foreign nationals is a useful metric for our business given our global business model, but we do disclose a breakdown of our workforce by region (49% of employees in the U.S. and 51% outside of the U.S.). We disclose additional human capital metrics that we believe are more effective for assessing this aspect of our performance, including diversity and inclusion, employee engagement, training and development, and responsible supply chain metrics.	<a href="#">2019-20 Corporate Responsibility Report, p 23</a> <a href="#">2019 Annual Report on Form 10-K, p 13</a>
<b>Product Lifecycle Management</b>	Percentage of products by revenue that contain IEC 62474 declarable substances	TC-SC-410a.1	While we do disclose information on our strategy and approach to product ecology and supplier requirements for declarable substances, we do not believe a single percentage of revenue is an effective metric for evaluating risk and performance in this area.	<a href="#">2019-20 Corporate Responsibility Report, p 45</a> <a href="#">Material Declaration Data Sheet (MDDS) database website.</a>
<b>Product Lifecycle Management</b>	Processor energy efficiency at a system-level for: (1) servers, (2) desktops, and (3) laptops	TC-SC-410a.2	We do not disclose single percentages for these product categories, given the wide range of products we produce in each category and the continued release of new products. We believe more decision-useful information is our disclosure regarding our overall strategy for product energy efficiency, supporting goals, industry collaborations, and public policy engagements.	<a href="#">2019-20 Corporate Responsibility Report, p 39</a>
<b>Materials Sourcing</b>	Description of the management of risks associated with the use of critical materials	TC-SC-440a.1	We provide disclosure on our management approach to responsible minerals sourcing. With respect to rare earth elements, Intel has thoroughly reviewed product and supply chain impacts and determined that although certain regional supplies may fluctuate, Intel has sufficient existing supply, alternative sourcing, and/or low risk material availability within our manufacturing and supply chain. Intel has confirmed that access to rare earth mineral supplies represents a low risk to impact production or delivery of goods.	<a href="#">2019-20 Corporate Responsibility Report, p 53</a> <a href="#">SEC Conflict Minerals Filing</a> <a href="#">Intel Statement on Rare Earth</a>
<b>IP Protection &amp; Competitive Behavior</b>	Total amount of monetary losses as a result of legal proceedings associated with anti-competitive behavior regulations	TC-SC-520a.1	Information on legal proceedings is disclosed in our Annual Report on Form 10-K and in our Quarterly Reports on Form 10-Q, available on our Investor Relations website.	<a href="#">2019 Annual Report on Form 10-K, p 107</a> <a href="#">Investor Relations website</a>

## SASB and TCFD Framework Alignment, continued

**TCFD.** TCFD has developed a voluntary framework for use by companies to provide information to investors, lenders, insurers, and other stakeholders on climate-related financial risk disclosure. Below, we have outlined how our existing reporting aligns with the recommended disclosure. We will continue to evaluate opportunities to evolve our disclosure moving forward based on discussions with our investors and stakeholders.

Disclosure Area	TCFD Recommended Disclosure	Intel Disclosure Description	Disclosure Location
<b>Governance</b>	Disclose the organization's governance around climate-related risks and disclosures.	<p>Responsibility for oversight of CSR issues, including climate change, has been included in the Corporate Governance and Nominating Committee Charter since 2003.</p> <p>Intel follows an integrated approach to addressing climate change with multiple teams responsible for managing climate-related activities, initiatives, and policies, including manufacturing and operations, government and public affairs, supply chain, and product teams. Strategies, progress toward goals, and regulatory developments are reviewed with senior executives from these teams on a regular basis.</p>	<p><a href="#">2019-20 Corporate Responsibility Report p 26</a>  <a href="#">2020 Proxy Statement p 28</a>  <a href="#">CDP Climate Change Survey</a></p>
<b>Strategy</b>	Disclosure of the actual and potential impacts of climate-related risks and opportunities on the organization's businesses, strategy, and financial planning where such information is material.	<p>We describe our climate-related risks and opportunities in our Corporate Responsibility Report (in the "<a href="#">Our Business</a>" and "<a href="#">Climate and Energy</a>" sections), the Intel Climate Change Policy Statement, and the risk-factors section of our Annual Report on Form 10-K. We focus on reducing our own direct climate "footprint"—the emissions resulting from our own operations, our supply chain, and the marketing and use of our products. We also focus on increasing our "handprint"—the ways in which Intel® technologies help others reduce their footprints. In addition, we collaborate with others to drive industry-wide improvements and policy change. For two decades, we have set aggressive greenhouse gas (GHG) reduction goals to conserve energy and minimize air emissions. Over that time, our Scope 1 and 2 emissions have decreased by about 31% on an absolute basis. To complement our existing processes and assessments, we evaluated and benchmarked existing climate-related scenario frameworks in 2019, began assessing company-specific scenarios and considerations in 2020, and expect to add the results to our disclosure in 2021.</p>	<p><a href="#">2019-20 Corporate Responsibility Report p 35</a>  <a href="#">2019 Annual Report on Form 10-K p 56</a>  <a href="#">Intel Climate Change Policy</a>  <a href="#">CDP Climate Change Survey</a></p>
<b>Risk Management</b>	Disclose how the organization identifies, assesses, and manages climate-related risks.	<p>Our overall approach to risk management is described in our Proxy Statement and our risk factors are described in our Annual Report on Form 10-K. Additional detail on our proactive efforts to reduce our climate change impacts is included in our Corporate Responsibility Report, primarily in the <a href="#">Climate and Energy</a> section as well as our <a href="#">CDP Climate Change Survey</a>. This includes detail regarding our investments in green power, energy conservation, and product energy efficiency. For example, at the end of 2019, 71% of our global power and 100% of the power we used in our U.S. and European Union operations was green power. Since 2012, we have invested more than \$200 million in energy conservation projects in our global operations, resulting in cumulative savings of more than 4.5 billion kWh and cost savings of more than \$500 million. We also describe our proactive engagements with policymakers on climate and energy issues in our Corporate Responsibility Report and the <a href="#">Intel Climate Change Policy</a>. We proactively engage with our stakeholders to understand impacts of both potential regulatory requirements and also changing expectations of stakeholders, including our investors, customers, and local communities.</p>	<p>2019-20 Corporate Responsibility Report <a href="#">p 26</a> and <a href="#">p 35</a>  <a href="#">2019 Annual Report on Form 10-K p 56</a>  <a href="#">2020 Proxy Statement p 29</a>  <a href="#">Intel Climate Change Policy</a>  <a href="#">CDP Climate Change Survey</a></p>
<b>Metrics and Targets</b>	Disclosure of the metrics and targets used to assess and manage relevant climate-related risks and opportunities where such information is material.	<p>Our public climate-related metrics, goals and targets, as well as our Scope 1, 2, and 3 emissions data are included in our annual Corporate Responsibility Report and also reported through the <a href="#">CDP Climate Change Survey</a>.</p>	<p><a href="#">2019-20 Corporate Responsibility Report p 36</a>  <a href="#">CDP Climate Change Survey</a></p>

# SUSTAINABLE DEVELOPMENT GOALS



The [UN Sustainable Development Goals](#) (SDGs) are aimed at stimulating action in areas of critical importance for humanity and the planet. We believe that the achievement of the SDGs will be critical to creating a life of dignity and opportunity for all, and we believe technology will play a key role in achieving the SDGs. We support many of these goals through our corporate responsibility and sustainability strategies. In particular, we use the goals below to inform the ongoing development of our strategies, initiatives, and long-term goals, including our new 2030 strategy and goals. We believe that information communications technology (ICT) can play an enabling role in the implementation of all of the SDGs. Intel, Nethope, and the UN Foundation developed an [SDG ICT Playbook](#) that outlines technology trends, opportunities, and innovative case studies that global leaders can reference as they develop their strategies and actions to address the SDGs.

## Environmental Responsibility



**SDG 6:** Ensure access to water and sanitation for all  
**SDG 12:** Ensure sustainable consumption and production patterns  
**SDG 13:** Take urgent action to combat climate change and its impacts

We have made significant investments and set aggressive goals to reduce the environmental footprint of our global manufacturing operations, including goals and policies on climate change and water conservation. We have established new 2030 sustainability goals, and will continue to invest in conservation projects, alternative energy, and product energy efficiency. We collaborate with governments, leading companies, and nonprofits on innovative environmental projects, and proactively invest in our technology “handprint” to empower others to use Intel technology to reduce their environmental footprints and support sustainable consumption and production. In 2019, we also made progress on our goal to restore 100% of our global water use by 2025 through our funding of collaborative projects to support local watersheds.

## Diversity and Inclusion



**SDG 5:** Achieve gender equality and empower women and girls  
**SDG 10:** Reduce inequality within and among countries

To shape the future of technology, we believe we must be representative of that future. In January 2019, we announced that we achieved gender pay equity globally by closing the gap in average pay between employees of different genders in the same or similar roles (after accounting for legitimate business factors that can explain differences, such as performance, time at grade level, and tenure). This achievement was a direct result of a years-long evaluation of global gender pay equity. We also met our commitment to reach more than \$1 billion in annual spending with tier 1 and tier 2 certified<sup>1</sup> diverse suppliers, and collaborate with others to encourage more women and underrepresented minorities to enter and succeed in technology careers.

<sup>1</sup> We recognize certified diverse suppliers as businesses that are at least 51% owned, operated, and controlled by any of the following categories: women; minorities as recognized by the country where the business was established; veterans/military service-disabled veterans; persons who are lesbian, gay, bisexual, or transgender; or persons with disabilities.

## Supply Chain Responsibility



**SDG 8:** Promote inclusive and sustainable economic growth, employment, and decent work for all  
**SDG 12:** Ensure sustainable consumption and production patterns

With our purchasing power and policies, we help our suppliers contribute to the achievement of these two goals in particular. Our efforts are designed to protect vulnerable workers throughout the global supply chain, and include setting clear supplier expectations and investing in assessments, audits, and capability-building programs. We collectively address issues through our leadership in the Responsible Business Alliance, including industry initiatives on key issues such as advancing responsible minerals sourcing, addressing human rights risks such as forced and bonded labor, and improving transparency on the environmental impacts in the global electronics supply chain.

## Social Impact



**SDG 4:** Ensure inclusive and quality education for all and promote lifelong learning  
**SDG 5:** Achieve gender equality and empower women and girls  
**SDG 10:** Reduce inequality within and among countries

As a leading creator and driver of technology, Intel is uniquely positioned to understand what skills today's youth will need for tomorrow's jobs. To create the best future possible for everyone and ensure that the next generation of innovators is diverse and inclusive, we provide our expertise and both financial and in-kind support to help communities, governments, NGOs, and educators reach their goals. We encourage our employees to share their experience, talents, and passions in communities around the world, and provide volunteer opportunities to help address local and global problems. The Intel Foundation acts as a catalyst for change by amplifying the investments of Intel employees across a broad spectrum of personal philanthropy and volunteerism and by working with NGOs, nonprofits, and governments on innovative programs that support under-served and disenfranchised populations.

# NON-GAAP FINANCIAL MEASURES

Following are the reconciliations of our most comparable U.S. GAAP measures to our non-GAAP measures presented:

<b>YEARS ENDED (In Millions, Except per Share Amounts)</b>	<b>Dec. 29, 2019</b>	<b>Dec. 29, 2018</b>	<b>Dec. 30, 2017</b>
<b>Operating Income</b>	\$22,035	\$23,316	\$18,050
Acquisition-related adjustments	1,324	1,305	1,257
Restructuring and other charges	393	(72)	384
<b>Non-GAAP Operating Income</b>	<b>\$23,752</b>	<b>\$24,549</b>	<b>\$19,691</b>
<b>Earnings per Share – Diluted</b>	<b>\$4.71</b>	<b>\$4.48</b>	<b>\$1.99</b>
Acquisition-related adjustments	0.29	0.28	0.25
Restructuring and other charges	0.09	(0.02)	0.08
(Gains) losses from divestiture	(0.16)	(0.11)	(0.08)
Ongoing mark-to-market on marketable equity securities	(0.06)	0.03	–
Tax Reform	–	(0.06)	1.13
Income tax effect	–	(0.02)	0.09
<b>Non-GAAP Earnings per Share – Diluted</b>	<b>\$4.87</b>	<b>\$4.58</b>	<b>\$3.46</b>

<b>YEARS ENDED (In Millions)</b>	<b>Dec. 28, 2019</b>	<b>Dec. 29, 2018</b>	<b>Dec. 30, 2017</b>	<b>Dec. 31, 2016</b>	<b>Dec. 26, 2015</b>
<b>Net cash provided by operating activities</b>	\$33,145	\$29,432	\$22,110	\$21,808	\$19,018
Additions to property, plant, and equipment	(16,213)	(15,181)	(11,778)	(9,625)	(7,326)
<b>Free cash flow</b>	<b>\$16,932</b>	<b>\$14,251</b>	<b>\$10,332</b>	<b>\$12,183</b>	<b>\$11,692</b>
<b>Net cash used for investing activities</b>	<b>(\$14,405)</b>	<b>(\$11,239)</b>	<b>(\$15,762)</b>	<b>(\$25,817)</b>	<b>(\$8,183)</b>
<b>Net cash provided by (used for) financing activities</b>	<b>(\$17,565)</b>	<b>(\$18,607)</b>	<b>(\$8,475)</b>	<b>(\$5,739)</b>	<b>\$1,912</b>

# INTEL 2019 WATER INVENTORY BY LOCATION AND SOURCE

The following table details our water use, discharge, consumption, and conservation by source and destination for Intel sites around the world. Our fresh water withdrawals totaled 12.6 billion gallons (47.5 megaliters) in 2019. Approximately 80% of the water used at our sites was sent back to municipal treatment operations, where it was treated so that it could be used for other purposes or to recharge surface or groundwater sources. For additional information, see the [Environmental Sustainability](#) section of this report. To prepare our global water inventory, we follow established internal procedures for collecting, reviewing, and reporting water data. Internal data collection and reporting practices are outlined within corporate standards and guidance documents developed by Intel. After a corporate-wide inventory was prepared, it was reviewed internally and our water withdrawals were assured by Apex Companies LLC (see the "[Independent Limited Assurance Statement](#)" in this Appendix).

## Reported in Megaliters per Year

Location <sup>1</sup>		Water Withdrawals by Source (Total water usage) – Megaliters per Year								Water Discharged <sup>3</sup>	Water Consumption	Water Conserved	Water Source	Discharge Destination (Of municipality)	River Basin
		Third-Party Water Withdrawals <sup>2</sup> (Purchased water sources)				Water Withdrawals (On-site water sources)		Total Fresh Water Withdrawals (All sources)	Total Water Withdrawals (All sources)						
		Fresh Water from Surface Water Sources	Fresh Water from Ground Water Sources	Sea Water Sources	Reclaimed Water	Surface Water Source (Rainwater)	Ground Water Source (On-site well)								
China	Chengdu <sup>5</sup>	890	–	–	–	–	–	890	890	332	558	–	Surface	Surface	Yangtze River
	Dalian	9,971	–	–	–	–	–	9,971	9,971	9,125	846	2,656	Surface	Sea	Pearl River
	Shanghai – Zizhu	89	–	–	–	0.4	–	89	89	69	20	4	Surface, Ground	Surface	Yangtze River
Costa Rica	San Jose	–	152	–	–	0.1	–	152	152	81	71	3	Ground	Surface	San Juan River
India	Bangalore: Airport Road <sup>4</sup>	13	–	–	–	0.001	–	13	13	0	13	10	Surface	N/A (Zero discharge)	Arkavathi and Cauvery Rivers
	Bangalore: Sarjapur <sup>4</sup>	145	–	–	–	11	–	156	156	0	156	94			
Ireland	Leixlip	6,791	–	–	–	–	–	6,791	6,791	5,868	923	2,559	Surface	Surface	Shannon River
Israel	Haifa <sup>4</sup>	32	–	128	–	–	–	32	160	64	96	16	Sea (Primary); Surface & Ground (Secondary)	Sea (Primary); Third-Party Reuse (Secondary)	Mediterranean Sea (Coastal aquifer)
	Jerusalem <sup>4</sup>	6	–	24	–	–	–	6	30	22	7	–			
	Qiryat Gat <sup>4</sup>	821	–	3,286	–	–	–	821	4,107	2,240	1,867	1,753			
Malaysia	Kulim	772	–	–	–	–	–	772	772	141	630	142	Surface	Surface	Kedah River
	Penang	697	–	–	–	–	–	697	697	78	619	–			Pulau Pinang River
Poland	Gdansk	–	17	–	–	–	–	17	17	13	4	1	Ground	Sea	Wisla River

<sup>1</sup> We follow established internal procedures and thresholds to determine which sites are included in the inventory.

<sup>2</sup> Third-party water withdrawals represent water purchased from the local municipality.

<sup>3</sup> Third-party water discharges/returns represent water sent to the local municipality for reuse or surface/groundwater recharge.

<sup>4</sup> Site located in area experiencing extremely high water stress, based on WRI's Aqueduct Water Risk Atlas 3.0.

<sup>5</sup> Site located in area experiencing high water stress, based on WRI's Aqueduct Water Risk Atlas 3.0.

## Intel 2019 Water Inventory by Location and Source, continued

Reported in Megaliters per Year

Location <sup>1</sup>	Water Withdrawals by Source (total water usage) – Megaliters per Year								Water Discharged <sup>3</sup>	Water Consumption	Water Conserved	Water Source	Discharge Destination (of municipality)	River Basin	
	Third-Party Water Withdrawals <sup>2</sup> (Purchased Water Sources)				Water Withdrawals (On-site Water Sources)		Total Fresh Water Withdrawals (All sources)	Total Water Withdrawals (All sources)							
	Fresh Water from Surface Water Sources	Fresh Water from Ground Water Sources	Sea Water Sources	Reclaimed Water	Surface Water Source (Rainwater)	Ground Water Source (On-site well)									
United States	Arizona: Chandler <sup>4</sup>	1,385		–	–	–	–	<b>1,385</b>	<b>1,385</b>	717	667	531	Surface	Ground; Third Party	Colorado/Salt River
	Arizona: Ocotillo <sup>4</sup>	10,108		–	3,618	–	–	<b>10,108</b>	<b>13,726</b>	12,111	1,614	1,913			
	California: Bowers - Santa Clara	199	–	–	–	–	–	<b>199</b>	<b>199</b>	129	70	24	Surface	Surface to Sea	Santa Clara River
	California: Folsom	364	–	–	–	–	–	<b>364</b>	<b>364</b>	143	221	–			
	California: Misson – Santa Clara	341	–	–	49	–	–	<b>341</b>	<b>390</b>	341	49	44			
	California: San Jose Innovation	46	–	–	–	–	–	<b>46</b>	<b>46</b>	35	12	–	Surface	Sacramento River	
	New Mexico: Rio Rancho <sup>4</sup>	–	211	–	–	–	2,357	<b>2,568</b>	<b>2,568</b>	2,343	225	1,225	Ground	Surface	Bravo River
	Oregon: Aloha	990	–	–	–	–	–	<b>990</b>	<b>990</b>	689	302	–	Surface	Surface	Columbia River
	Oregon: Hawthorn Farm	73	–	–	–	–	–	<b>73</b>	<b>73</b>	55	18	–			
	Oregon: Jones Farm	549	–	–	–	–	–	<b>549</b>	<b>549</b>	412	137	–			
	Oregon: Ronler Acres	10,006	–	–	–	–	–	<b>10,006</b>	<b>10,006</b>	8,438	1,569	5,295			
Texas: Austin	71	–	–	–	–	–	<b>71</b>	<b>71</b>	53	18	–	Surface	Surface	Colorado River	
Vietnam	Ho Chi Minh City	439	–	–	–	–	<b>439</b>	<b>439</b>	122	316	207	Surface	Surface	Mekong River	
<b>Total</b>		<b>45,178</b>	<b>3,438</b>	<b>3,667</b>	<b>12</b>	<b>2,357</b>	<b>47,546</b>	<b>54,651</b>	<b>43,621</b>	<b>11,028</b>	<b>16,477</b>				

<sup>1</sup> We follow established internal procedures and thresholds to determine which sites are included in the inventory.

<sup>2</sup> Third-party water withdrawals represent water purchased from the local municipality.

<sup>3</sup> Third-party water discharges/returns represent water sent to the local municipality for reuse or surface/groundwater recharge.

<sup>4</sup> Site located in area experiencing extremely high water stress, based on WRI's Aqueduct Water Risk Atlas 3.0.



# 2019 ENVIRONMENTAL, HEALTH, AND SAFETY VIOLATIONS

In 2019, officials made 145 visits (including audits and inspections) to Intel sites across the globe, including 49 health and safety agency inspections, 23 fire protection agency inspections, and 73 environmental agency inspections. Intel received one environmental Notice of Violation (NOV), five fire protection-related NOVs, and one health and safety-related NOV during the year. Details on NOVs and our subsequent corrective actions are provided in the table below.

Location	Violation	Fine	Intel's Corrective Action
Timisoara, Romania	Covers on electrical floor boxes were not secured. Transparent doors lacked signs to make them more visible. Health and safety booklets needed signatures and accident files needed modifications per legal provisions.	\$400	Electrical floor boxes were secured, and will be checked periodically. Signage was added to doors. Signatures were added to the booklets, and a process was adopted to ensure completion in the future. Accident files were modified.
Ronler Acres, Hillsboro, OR	The pH at the site WATR outfall point of compliance (POC) dropped below pH 6.0 for 69 minutes, exceeding the permitted limit of 60 minutes per 24-hour period. Intel notified Clean Water Services of the exceedance.	\$0	Intel implemented automatic chemical controls for pH dosing and auto-divert capabilities to avoid improper discharges, and updated troubleshooting procedures.
Santa Clara, CA	Exit signage was incorrect, and a service certification for a fire sprinkler/standpipe system was needed. Fire pipes showed corrosion, ceiling spaces were oversized, a seismic brace was missing, and an arm-over on fire piping lacked a hanger.	\$0	Installed appropriate exit signage, and repaired aging fire sprinkler piping. Installed missing sheetrock in ceiling and added a hanger on the fire piping arm-over.
Chengdu, China	The government template was not being used in the fire on-duty record. The fire system dashboard was being recorded every shift instead of every two hours.	\$0	The government template was put into use, and the frequency for recording the fire system dashboard was changed to every two hours.
Hawthorn Farm, Hillsboro, OR	A cafeteria exit sign needed replacing, storage rooms had items within 18 inches of a sprinkler, and ceiling tiles were damaged or missing.	\$0	The exit sign was replaced, storage heights were reduced, and ceiling tiles were added or replaced.
Jones Farm, Hillsboro, OR	Sprinkler heads needed replacing, a stairwell door was difficult to open, TV station curtains lacked flame-treated documentation, and sprinklers lacked escutcheon rings. Emergency egress was blocked, flammable liquid cabinets and fire doors did not self-close and latch, and an intentionally blocked door was not properly marked. Kitchen storage cylinders were not secured properly, and a sprinkler wrench was missing. Fire blocking in wire chase, hardware on dock cages door, and ceiling tiles needed repair or replacement. The interior of a shielded area chamber lacked fire suppression, and more spare sprinkler heads were needed. An emergency exit sign was oriented incorrectly, privacy screens lacked non-combustible materials documentation, and a lab lacked sprinkler protection.	\$0	Sprinkler heads and the stairwell door were replaced. Documentation was added to the curtains. Sprinkler escutcheon rings were added, and emergency egress was cleared. Flammable liquid cabinets and fire doors were repaired to self-close and latch. Signage was added to the blocked door. Cylinders were secured, and a sprinkler wrench was added. Fire blocking in the wire chase, dock cage door hardware, and ceiling tiles were repaired, installed, or replaced. The shielded area chamber, not in use, was padlocked. Spare sprinkler heads were added, the exit sign was repositioned, and documentation was added to the privacy screens. Sprinkler protection is being added in the lab.
Williams Gateway Airport, Mesa, AZ	A fire door/window and a foam suppression system were not functional. A sprinkler system needed maintenance, and fire alarm control panels batteries failed.	\$0	The fire door/window was repaired, and full redesign and replacement of the foam suppression system is in progress. Sprinkler system maintenance and testing were performed and the fire alarm control panel batteries were replaced.

Our definition of an NOV includes any written notice from an agency stating Intel is not in compliance with a regulation or other legal requirement, including administrative items.

# TOP 100 PRODUCTION AND SERVICE SUPPLIERS BY SPENDS

These companies represented approximately 75% of Intel's total supply chain spends in 2019

Accenture	DHL Global Forwarding	JSR Corporation	Rinchem Company Inc.
Advanced Semiconductor Engineering <sup>2</sup>	DuPont	JX Nippon Mining and Metals Corporation	Samsung Electro-Mechanics Co., Ltd.
Advantest America Inc	EBARA Corporation <sup>7</sup>	KellyOCG	Samsung Semiconductor, Inc.
AEM Holdings LTD	Edwards Ltd	Keysight Technologies, Inc.	Schneider Electric Industries SAS <sup>2</sup>
AGC, Inc.	Elitegroup Computer Systems Co., LTD.	King Yuan Electronics Corp. (KYECC) <sup>4</sup>	SCREEN Semiconductor Solutions Co., Ltd.
Air Liquide	Entegris, Inc.	KLA	Securitas USA Inc. <sup>1</sup>
Air Products and Chemicals, Inc.	Essai Inc	KOKUSAI ELECTRIC CORPORATION <sup>2,3</sup>	Shin-Etsu Chemical Co. Ltd <sup>2</sup>
Altran Technologies	Exyte	Lam Research Corporation <sup>2</sup>	Shinko Electric Industries Co. LTD.
Amkor Technology, Inc.	Fabrinet	Lasertec Corporation <sup>5</sup>	Siemens Industry, Inc.
Applied Materials Inc. <sup>2</sup>	Federal Express	Linde	SiliconMotion
Arm Limited	FEI Company	Marvell Technology Group, Ltd.	Siltronic AG <sup>2</sup>
ASM International N.V. <sup>2</sup>	Flex Ltd.	Mentor Graphics Corporation	SIRVA Worldwide, Inc.
ASM Pacific Technology Limited	FormFactor, Inc.	Merck KGaA Darmstadt, Germany	SK Hynix Inc.
ASML <sup>6</sup>	FUJIFILM Electronic Materials	Micron Technology, Inc	Skanska USA Building Inc. <sup>8</sup>
AT&S <sup>2</sup>	GLOBALFOUNDRIES	Microsoft	SUMCO Corporation <sup>2</sup>
Avantor Performance Materials International, Inc.	GlobalWafers Co., LTD.	Mitac Holdings Corporation	Sundt Construction, Inc.
Azurewave Technologies	Harder Mechanical Contractors	Mitsubishi Gas Chemical Company Inc. <sup>2</sup>	Supermicro
Broadcom Inc.	Hensel Phelps	Moses Lake Industries	Synopsys Inc.
Cabot Microelectronics Corporation	Hitachi High-Technologies <sup>2</sup>	Murata Machinery Ltd. <sup>2</sup>	Taiwan Semiconductor Manufacturing Company Ltd <sup>2</sup>
Cadence Design Systems, Inc.	Honeywell Electronics MTLs	NetApp	Tokyo Electron Limited <sup>1</sup>
Cymer	HOYA Corp. USA	Nikon Corporation	Tokyo Ohka Kogyo Co. LTD <sup>2</sup>
Daifuku Co., LTD	IBIDEN Co., LTD.	Onto Innovation	Unimicron Technology Corporation
DB Schenker	JE Dunn Construction	Pegatron Corporation	United Microelectronics Corp
Delta Design	Jacobs Engineering Group, Inc.	Powertech Technology Inc. <sup>4</sup>	UTi Worldwide
Dentsu McGarry Bowen, LLC	JLL <sup>8</sup>	Quantum Global Technologies dba Quantum Clean	VWR, part of Avantor

<sup>1</sup> Suppliers that received a 2019 Supplier Continuous Quality Improvement (SCQI) award.

<sup>2</sup> Suppliers that received a 2019 Preferred Quality Supplier (PQS) award.

<sup>3</sup> Supplier additionally recognized for Distinguished Performance in Safety in 2019.

<sup>4</sup> Suppliers that received a 2019 Supplier Achievement (SAA) award for extraordinary results in availability.

<sup>5</sup> Supplier that received a 2019 Supplier Achievement (SAA) award for extraordinary results in innovation.

<sup>6</sup> Supplier that received a 2019 Supplier Achievement (SAA) award for extraordinary results in technology.

<sup>7</sup> Supplier that received a 2019 Supplier Achievement (SAA) award for extraordinary results in sustainability.

<sup>8</sup> Supplier that received a 2019 Supplier Achievement (SAA) award for extraordinary results in supplier diversity.

Intel is an industry leader, creating world-changing technology that enables global progress and enriches lives. Inspired by Moore's Law, we continuously work to advance the design and manufacturing of semiconductors to help address our customers' greatest challenges. By embedding intelligence in the cloud, network, edge, and every kind of computing device, we unleash the potential of data to transform business and society for the better.

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