

2019 ESG Performance Data Matrix



Topic	2017	2018	2019*	GRI	SASB
Company Data**					
Sales (million USD)	26,004	30,095	33,841	102-7	
Employees (as of December 31 of each calendar year)	70,000	85,000	90,000	102-7	RT-AE-000.B
Floor space (thousand square feet)	35,379	52,283	53,780	102-7	
Corporate Citizenship/Community					
Direct community investment through philanthropy (million USD) [†]	30.8	28.4	31.1	201-1	
Company charitable grants—Education (Target 50%) (%)	56	54	55	201-1	
Company charitable grants—Military and Veterans (Target 25%) (%)	14	16	17	201-1	
Company charitable grants—Health and Human Services (Target 20%) (%)	12	10	8	201-1	
Company charitable grants—Environment (Target 5%) (%)	4	3	4	201-1	
Company in-kind contributions (million USD)	0.428	3.1	0.309	201-1	
London Benchmarking Group—Charitable donations (Company and Foundation) (%)		25	9.43	201-1	
London Benchmarking Group—Community Investments (Company and Foundation) (%)		75	90.57	201-1	
Employee giving (million USD) [‡]	4.1	3.7	3.4		
Employee volunteerism (hours)	63,453	61,161	63,187		
Paid volunteer hours	1,154	512.5	20.5		
Middle school students impacted by qualifying educator professional development programs in the year.	16,760	25,100	33,500		
Cumulative middle school students impacted by qualifying educator professional development programs since 2015 (Target 350,000 students by 2030) [§]	38,260	52,520	75,360		
Ethics and Integrity					
OpenLine inquiries	1,092	1,011	863	102-17	
OpenLine allegations	1,571	1,562	1,374	102-17	
Engagement, Diversity and Inclusion*					
Total population—male (%)	73.4	73.5	73.8	405-1	
Total population—female (%)	26.6	26.5	26.2	405-1	
Total population—People of Color (%)	34.5	35.5	37.3	405-1	
Total population—veterans (%)	20.0	19.6	19.6	405-1	
Total population—personnel with disabilities (%)	7.1	7.4	8.1	405-1	
Management population—male (%)	73.7	72.9	72.4	405-1	
Management population—female (%)	26.3	27.1	27.6	405-1	
Management population—People of Color (%)	25.2	26.3	28.0	405-1	
Senior executive population—female [¶] (%)	32.7	33.2	32.6	405-1	
Senior executive population—People of Color [¶] (%)	17.9	17.6	18.0	405-1	
Veteran new hires (%)	24.6	26.2	24.0		
Percent of persons with disabilities new hires (Target 7%) (%)	10.8	12.1	11.3		

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Environment*					
Sites with ISO 14001 Certification	24	23	26	103	
Significant Fines and Penalties (shown in year paid) (\$)	0	15,000	30,500	307-1	
Tons of toxic Release Inventory	29.4	34.5	N/A	103	
Hazardous Waste					
Hazardous Waste Generation (tons)	1,460	1,838	1,608	306-2	RT-AE-150a.1
Hazardous Waste (number of reportable spills)	0	0	0	306-2	RT-AE-150a.2
Nonhazardous Solid Waste					
Reuse (tons)	62.84	145	101	306-2	
Recycling (tons)	13,468	12,326	12,405	306-2	
Composting (tons)	494.77	685	653	306-2	
Recovery (including energy recovery) (tons)	325.59	344	407	306-2	
Landfill (tons)	8,462	8,209	8,141	306-2	
Diversion rate	62.9	62.2	62.5	306-2	
Energy#					
Electricity consumption (megawatt hours)	1,105,882	1,090,559	1,081,449	302-1	RT-AE-130a.1
Grid electricity (%)	99	99	99		RT-AE-130a.1
Renewable energy use (megawatt hours)	22,111	22,017	22,097	302-1	
Renewable electricity (%)	2	2	2		RT-AE-130a.1
Energy intensity (MWH/per USD sales)	0.00004253	0.00004066	3.196E-05	302-3	
Emissions#					
Direct (Scope 1) greenhouse gas emissions (tonnes CO ₂ e)	140,951	134,155	145,169	305-1	
Indirect (Scope 2) location-based greenhouse gas emissions (tonnes CO ₂ e)	370,140	365,559	339,790	305-2	
Carbon offsets (tonnes CO ₂ e)	11,000	11,000	11,000	305-5	
Total GHG Emissions (location-based, includes carbon offsets) (tonnes CO ₂ e)	500,091	488,627	473,959	305-5	
Greenhouse gas emission intensity (Scope 1 and Scope 2—location-based) (tonnes CO ₂ e/per USD sales)	0.00001923	0.00001822	0.000014055	305-4	
Reduction of greenhouse gas emissions (from 2010 base year) (%)	31.80	33.30	35.30	305-5	
Water					
Water withdrawal (potable)—Total (gallons)	873,297,454	872,661,286	844,995,571	303-3	
Water withdrawal source (potable)—Surface Water (gallons)	0	0	0	303-3	
Water withdrawal source (potable)—Groundwater (gallons)	149,801,818	163,790,149	162,069,026	303-3	
Water withdrawal source (potable)—Municipal Supply (gallons)	723,495,636	708,871,137	682,926,545	303-3	
Water withdrawal (potable and nonpotable)—Total (gallons)	880,121,939	891,835,914	863,730,618	303-3	
Water withdrawal source (nonpotable)—Municipal Reclaimed (gallons)	6,749,492	19,124,747	18,648,398	303-3	
Water withdrawal source (nonpotable)—Rainwater (gallons)	74,993	49,881	86,648	303-3	

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Health and Safety					
Work-related fatalities	0	0	0	403-9	
Total Case Rate (per 100 workers)	0.91	0.85	0.9	403-9, 403-10	
Employee Lost Work Day Rate (per 100 workers)	10.6	10.34	7.46	403-9, 403-10	
Days Away Case Rate (per 100 workers)	0.26	0.25	0	403-9, 403-10	
Governance					
Members on Board of Directors	13	13	12	102-18	
Independent Directors on Board	12	11	11	102-18, 102-22	
Women/minority independent Directors	5 (38%)	6 (46%)	6 (50%)	102-22, 405-1	
Products					
Number of Airworthiness Directives received			1		RT-AE-250a.3
Number of Airworthiness Directives, units affected			100		RT-AE-250a.3
Revenue from alternative energy-related products (million USD)			100		RT-AE-410a.1
Research and Development and Innovation					
Company-Sponsored R&D Expenses (million USD)	639	764	953	201-1	
Supply Chain					
Percent of Small Business	39.7	37.3	38.4	102-9	
Percent of Small Disadvantaged Business (SDB)	5.8	4.3	3.7	102-9	
Percent of Women-Owned Small Business (WOSB)	9.7	7.4	7.5	102-9	
Percent of HUBZone Small Business	2.4	2.4	3.4	102-9	
Percent of Veteran-Owned Small Business (VOSB)	5.0	5.0	4.7	102-9	
Percent of Service-Disabled Veteran-Owned Small Business (SDVOSB)	2.8	2.4	2.0	102-9	
Talent Management					
Percent of U.S. employees covered by collective bargaining agreements	3.3	3.5	5.6	102-41	

*Quantitative data for 2017 and 2018 represents Northrop Grumman prior to the acquisition of Orbital ATK. Quantitative data for 2019 includes Orbital ATK with the exception of Engagement, Diversity & Inclusion and Environment.

**Starting in 2018, Company data (sales, number of employees and floor space) include Orbital ATK.

†Includes investments from Northrop Grumman and the Northrop Grumman Foundation; excludes donations from Northrop Grumman to the Northrop Grumman Foundation.

‡Includes giving through ECHO, matched gifts and employee fundraising.

§Calculation based on teacher maintaining active teaching status or in a school-based setting for three years post professional development experience.

¶Vice President and above.

#Refer to CDP Climate Change disclosure for more detailed information.