

2020 ESG Performance Data Matrix

TOPIC	2018	2019	2020*	GRI	SASB
COMPANY DATA**					
Sales (million USD)	30,095	33,841	36,799	102-7	–
Employees (as of December 31 of each calendar year)	85,000	90,000	97,000	102-7	RT-AE-000.B
Floor space (thousand square feet)	52,283	53,780	50,875	102-7	–
CORPORATE CITIZENSHIP/COMMUNITY					
Direct community investment through philanthropy (million USD)†	28.4	31.1	33.9	102-7	–
Company charitable grants—Education (Target 50%) (%)	54	55	50	102-7	–
Company charitable grants—Military and Veterans (Target 25%) (%)	16	17	13	201-1	–
Company charitable grants—Health and Human Services (Target 20%) (%)	10	8	20	201-1	–
Company charitable grants—Environment (Target 5%) (%)	3	4	3	201-1	–
Company in-kind and non-cash contributions (million USD)	3.1	0.309	5.0	201-1	–
London Benchmarking Group—Charitable donations (Company and Foundation) (%)	25	9.43	26	201-1	–
London Benchmarking Group—Community Investments (Company and Foundation) (%)	75	90.57	74	201-1	–
Employee giving (million USD)‡	3.7	3.4	5.2	–	–
Employee volunteerism (hours)	61,161	63,187	55,893	–	–
Paid volunteerism (hours)	512.5	20.5	0	–	–
Middle school students impacted by qualifying educator professional development programs in the year	25,100	33,500	15,100	–	–
Cumulative middle school students impacted by qualifying educator professional development programs since 2015 (Target 350,000 students by 2030)§	123,120	198,480	272,180	–	–

TOPIC	2018	2019	2020*	GRI	SASB
ENVIRONMENT*					
Sites with ISO 14001 certification	23	26	23	103	–
Significant fines and penalties (shown in year paid) (\$)	15,000	30,500	0	307-1	–
Tons of Toxic Release Inventory	34.5	47	N/A	103	–
HAZARDOUS WASTE					
Hazardous waste generation (tons)	1,838	1,608	1,804	306-2	RT-AE-150a.1
Hazardous waste (number of reportable spills)	0	0	0	306-2	RT-AE-150a.2
Hazardous waste recycled (%)	N/A	N/A	3.0	–	RT-AE-150a.1
NONHAZARDOUS SOLID WASTE					
Reuse (tons)	145	101	964	306-2	–
Recycling (tons)	12,343	12,405	13,004	306-2	–
Composting (tons)	685	653	1,265	306-2	–
Recovery (including energy recovery) (tons)	344	407	191	306-2	–
Landfill (tons)	8,031	8,158	6,872	306-2	–
Diversion rate (%)	62.7	62.4	69.2	306-2	–
ENERGY[#]					
Energy consumption (GJ)	6,221,205	6,325,940	5,867,684	302-1	RT-AE-130a.1
Renewable energy consumption (GJ)	79,304	79,548	79,501	–	–
Percentage of energy that is renewable (%)	1	1	1	302-1	RT-AE-130a.1
Percentage of energy supplied from grid electricity (%)	63	61	66	–	RT-AE-130a.1
Energy intensity (Joules/USD sales)	231,970	N/A	N/A	302-3	–
Electricity consumption (MWh)	1,090,638	1,081,449	1,070,665	–	–
Renewable electricity consumption (MWh)	22,029	22,097	22,084	–	–
Onsite renewable electricity generation (MWh)	1,172	1,240	1,227	–	–
Percentage of electricity that is renewable (%)	2	2	2	–	–

TOPIC	2018	2019	2020*	GRI	SASB
EMISSIONS¹					
Direct (Scope 1) greenhouse gas emissions (tonnes CO ₂ e)	134,173	145,156	109,741	305-1	—
Indirect (Scope 2) location-based greenhouse gas emissions (tonnes CO ₂ e)	365,593	339,904	313,927	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)	488,766	474,060	412,668	305-5	—
Greenhouse gas emission intensity ¹ (Scope 1 and Scope 2—location-based) (tonnes CO ₂ e/USD sales)	0.00001624	N/A	N/A	305-4	—
Reduction of greenhouse gas emissions (from 2010 base year) (%)	33.3	35.3	43.7	305-5	—
WATER					
Water withdrawal (potable)—Total (gallons)	880,704,140	831,933,691	741,766,756	303-3	—
Water withdrawal source (potable)—Surface Water (gallons)	0	0	0	303-3	—
Water withdrawal source (potable)—Groundwater (gallons)	163,817,149	153,086,394	145,160,206	303-3	—
Water withdrawal source (potable)—Municipal Supply (gallons)	716,886,991	678,847,298	596,606,549	303-3	—
Water withdrawal (potable and nonpotable)—Total (gallons)	899,878,768	850,668,738	772,234,354	303-3	—
Water withdrawal source (nonpotable)—Municipal Reclaimed (gallons)	19,124,747	18,648,398	30,429,487	303-3	—
Water withdrawal source (nonpotable)—Rainwater (gallons)	49,881	86,648	38,112	303-3	—

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ETHICS AND INTEGRITY					
OpenLine inquiries	1,011	863	565	102-17	–
OpenLine allegations	1,562	1,374	1,578	102-17	–
GOVERNANCE					
Members on Board of Directors	13	12	13	102-18	–
Independent Directors on Board	11	11	12	102-18, 102-22	–
Women/minority Directors	6 (46%)	6 (50%)	6 (46%)	102-22, 405-1	–
HEALTH AND SAFETY					
Work-related fatalities	0	0	0	403-9	–
Total Case Rate (per 100 workers)	0.85	0.9	0.96	403-9, 403-10	–
Lost Work Day Rate (per 100 workers)	10.34	7.46	10.70	403-9, 403-10	–
Days Away Case Rate (per 100 workers)	0.25	0.23	0.39	403-9, 403-10	–
PRODUCTS					
Number of Airworthiness Directives received	–	1	1	–	RT-AE-250a.3
Number of Airworthiness Directives, units affected	–	100	0	–	RT-AE-250a.3
Revenue from alternative energy-related products (million USD)	–	100	0	–	RT-AE-410a.1
RESEARCH AND DEVELOPMENT AND INNOVATION					
Company-sponsored R&D expenses (million USD)	764	953	1,100	201-1	–

TOPIC	2018	2019	2020*	GRI	SASB
SUPPLY CHAIN					
Percent of Small Business	37.3	38.4	37.2	102-9	—
Percent of Small Disadvantaged Business (SDB)	4.3	3.7	4.7	102-9	—
Percent of Women-Owned Small Business (WOSB)	7.4	7.5	7.5	102-9	—
Percent of HUBZone Small Business	2.4	3.4	3.3	102-9	—
Percent of Veteran-Owned Small Business (VOSB)	5.0	4.7	3.9	102-9	—
Percent of Service-Disabled Veteran-Owned Small Business (SDVOSB)	2.4	2.0	1.9	102-9	—
TALENT MANAGEMENT, DIVERSITY, EQUITY AND INCLUSION*					
Part-time employees	1,124	1,373	1,388	—	—
Temporary employees	2,027	2,171	1,939	—	—
Employee average age	44	44	43	—	—
Percent of U.S. employees covered by collective bargaining agreements	3.3	5.8	4.4	102-41	—
Total population—male (%)	73.5	73.8	74.9	405-1	—
Total population—female (%)	26.5	26.2	25.1	405-1	—
Total population—People of Color (%)	35.5	37.3	35.5	405-1	—
Total population—veterans (%)	19.6	19.6	18.0	405-1	—
Total population—persons with disabilities (%)	7.4	8.1	8.3	405-1	—
Management population—male (%)	72.9	72.4	73.4	405-1	—
Management population—female (%)	27.1	27.6	26.6	405-1	—
Management population—People of Color (%)	26.3	28.0	26.6	405-1	—

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Vice president and above population—female (%)	33.2	32.6	32.0	405-1	—
Vice president and above population—People of Color (%)	17.6	18.0	18.0	405-1	—
Senior executive population—female (%)	33.7	32.5	31.8	—	—
Senior executive population—People of Color (%)	17.6	17.9	18.3	—	—
NEW HIRES (EXTERNAL)					
Veteran external hires (%)	22.3	22.5	21.5	—	—
Female external hires (%)	24.1	24.3	23.3	—	—
Persons with disabilities external hires (Target 7%) (%)	12.1	11.3	11.4	—	—
People of Color external hires (%)	43	43.1	43.3	—	—

*Regarding integration of Orbital ATK into ESG data:

Quantitative data for 2018 (with the exception of sales, number of employees and floor space) represents Northrop Grumman prior to the acquisition of Orbital ATK.

Quantitative data for 2019 includes Orbital ATK with the exception of Engagement, Diversity, Equity & Inclusion and Environment.

Quantitative data for 2020 includes Orbital ATK with the exception of Environment.

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

¹Includes investments from Northrop Grumman and the Northrop Grumman Foundation; excludes donations from Northrop Grumman to the Northrop Grumman Foundation.

²Includes giving through ECHO, matched gifts and employee fundraising.

³Calculation based on teacher maintaining active teaching status or in a school-based setting for three years post professional development experience.

⁴Refer to CDP Climate Change disclosure for more detailed information.

⁵Energy and greenhouse gas emissions data excludes Orbital ATK through year-end 2020. The 2019 and 2020 sales data is inclusive of Orbital ATK and cannot be separated out; thus accurate intensity figures for energy and greenhouse gas emissions cannot be calculated.