



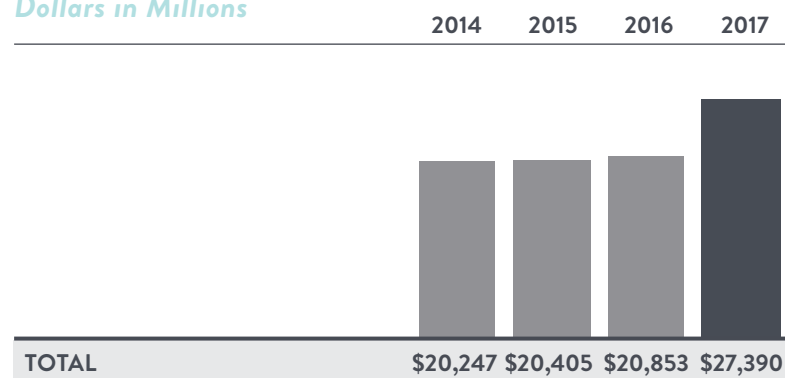
2017
GLOBAL
SUSTAINABILITY
REPORT
METRICS



KEY METRICS – FINANCIAL

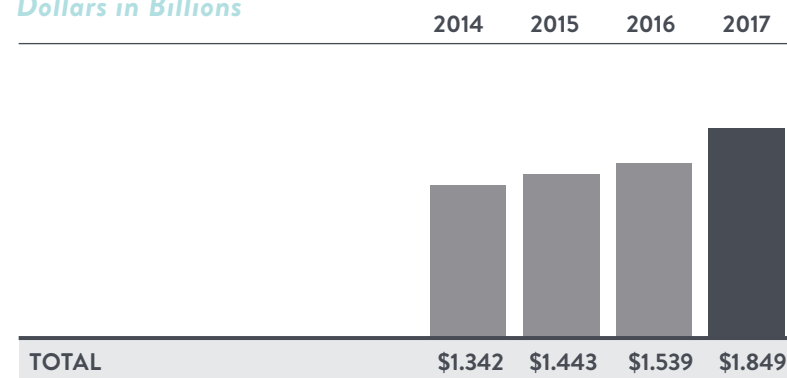
SALES WORLDWIDE

Dollars in Millions



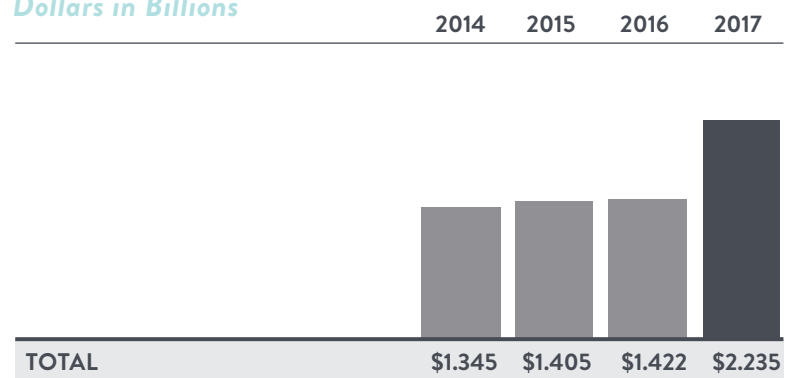
DIVIDENDS PAID

Dollars in Billions



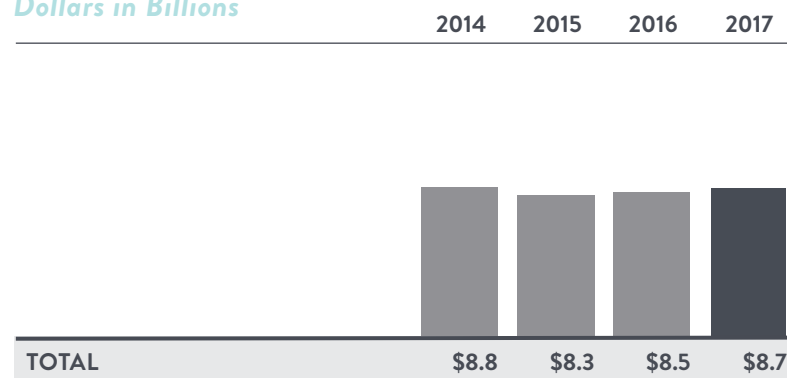
R&D INVESTMENT

Dollars in Billions



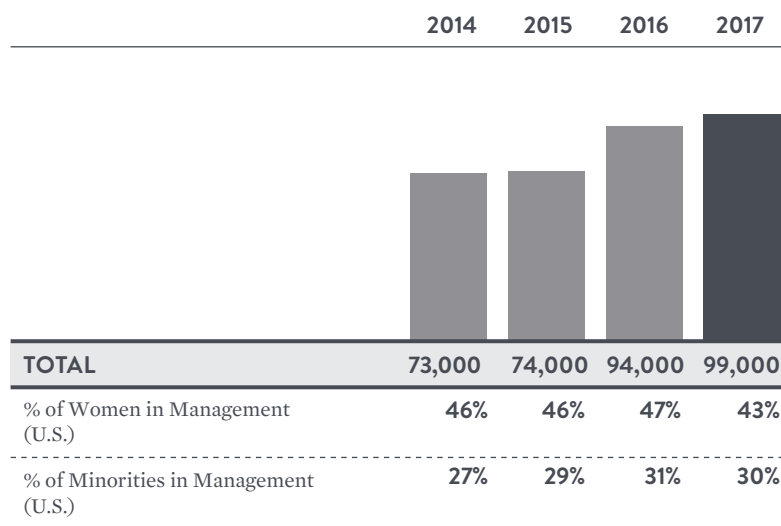
SPEND ON DIRECT SUPPLIERS

Dollars in Billions



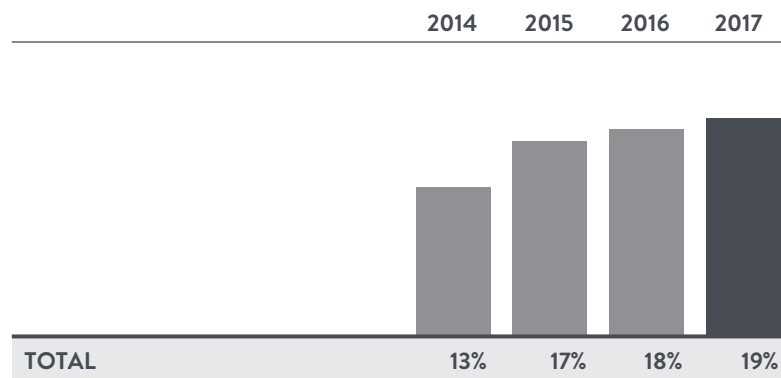
KEY METRICS – SOCIAL

EMPLOYEES



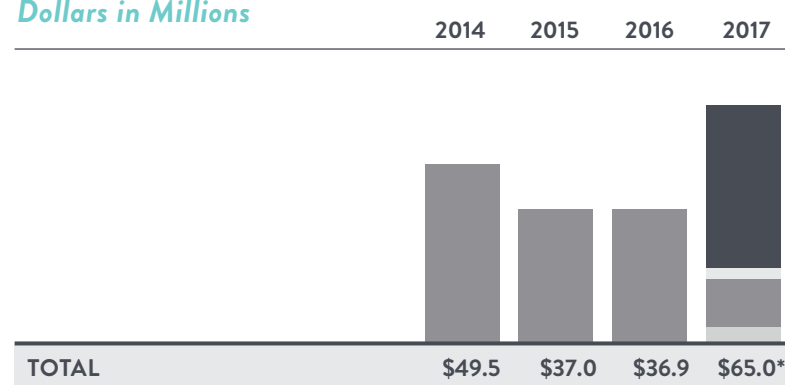
U.S. SUPPLIER DIVERSITY

Percentage of Direct U.S. Spend



SOCIAL INVESTING

Dollars in Millions

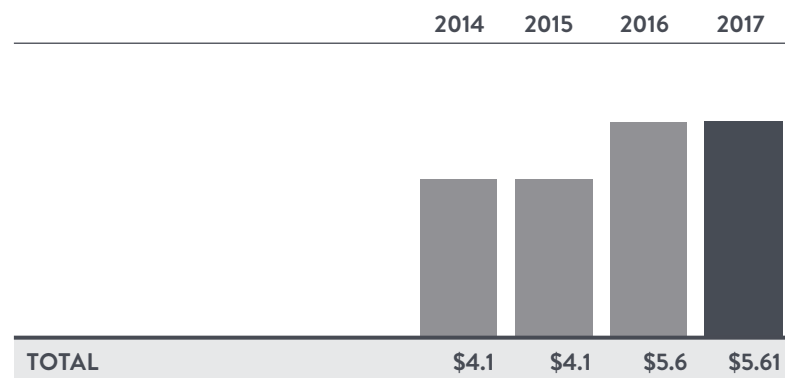


*2017 Social Investing breakdown:

- Cash contributions: \$44.3 million
- Time; employee volunteering: \$3 million
- In-kind giving; product or service donations: \$13.4 million
- Management overheads: \$4.3 million

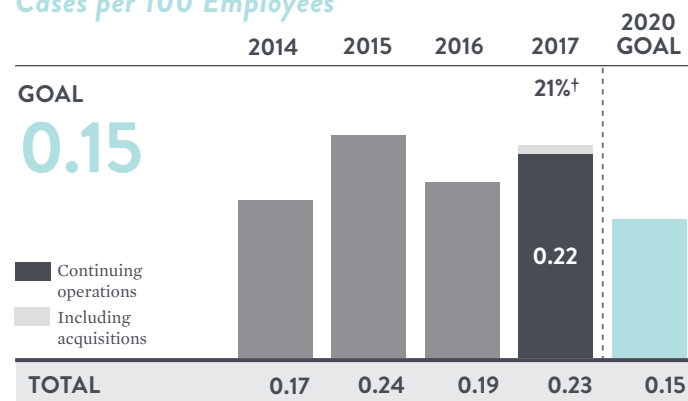
U.S. EMPLOYEE GIVING CAMPAIGN RESULTS

Dollars in Millions



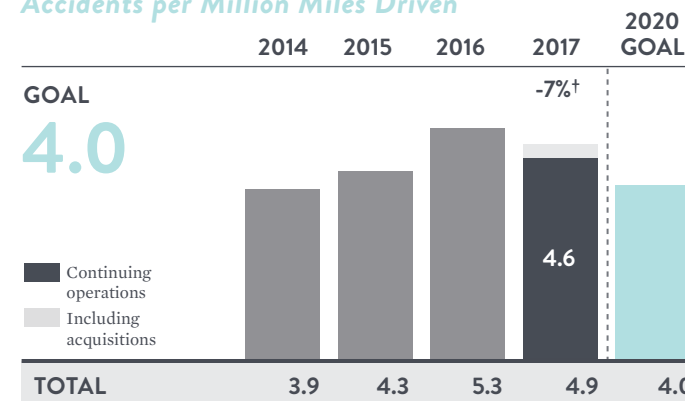
LOST-TIME CASE RATE

*Cases per 100 Employees**



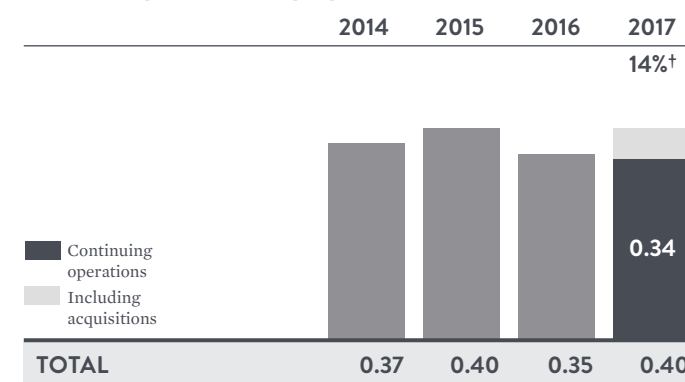
GLOBAL VEHICLE ACCIDENT RATE

Accidents per Million Miles Driven



RECORDABLE INJURY OR ILLNESS INCIDENT RATE

*Incidents per 100 Employees**



*Annual incident rates are calculated per 100 employees, assuming the average employee works 40 hours per week and 50 weeks per year. This is equivalent to 200,000 hours worked.

†% change from 2016 to 2017, including acquisitions

KEY METRICS – ENVIRONMENTAL

SCOPE 1 AND 2 CO₂e EMISSIONS – ABSOLUTE

1,000 Metric Tons

LOCATION-BASED		2010*	2014	2015	2016	2017
						-3.22%†
	TOTAL (Scope 1 and Scope 2) CO₂e Emissions⁽¹⁾	1,227	1,117	1,078	1,068	1,034
	Purchased Fuels (Scope 1) CO ₂ e Emissions ⁽²⁾	552	509	503	510	521
	Refrigerant (Scope 1) CO ₂ e Emissions ⁽³⁾	9	10	11	14	10
	Total Direct (Scope 1) CO ₂ e Emissions	561	518	514	524	531
MARKET-BASED	Total Purchased Energy (Scope 2) CO ₂ e Emissions ⁽⁴⁾	667	599	564	544	503
	Purchased Energy (Scope 2) CO ₂ e Emissions ⁽⁴⁾ Utilizing Market-Based Method ⁽⁵⁾	667	599	600	574	465
	Total (Scope 1 and Scope 2) CO ₂ e Emissions Utilizing Market-Based Method ⁽⁵⁾	1,227	1,117	1,114	1,098	995

*Baseline year

†% change from 2016 to 2017

‡% change from 2010 (goal)

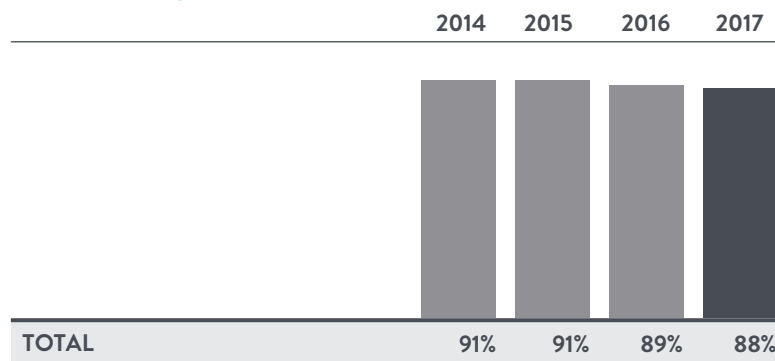
SCOPE 1 AND 2 CO₂e EMISSIONS – NORMALIZED BY SALES

Metric Tons per \$ Million Sales

	2010*	2014	2015	2016	2017	2020 GOAL
GOAL					-7.49%†	-40%‡
-40%						
TOTAL (Scope 1 and Scope 2) CO₂e Emissions⁽¹⁾	57	44	43	42	39	34
Direct (Scope 1) CO ₂ e Emissions ⁽²⁾	26	20	21	20	20	
Purchased Energy (Scope 2) CO ₂ e Emissions ⁽⁴⁾	31	24	23	21	19	
Purchased Energy (Scope 2) CO ₂ e Emissions ⁽⁴⁾ Utilizing Market-Based Method ⁽⁵⁾	31	24	24	22	17	
Total (Scope 1 and Scope 2) CO ₂ e Emissions Utilizing Market-Based Method ⁽⁵⁾	57	44	45	43	37	34

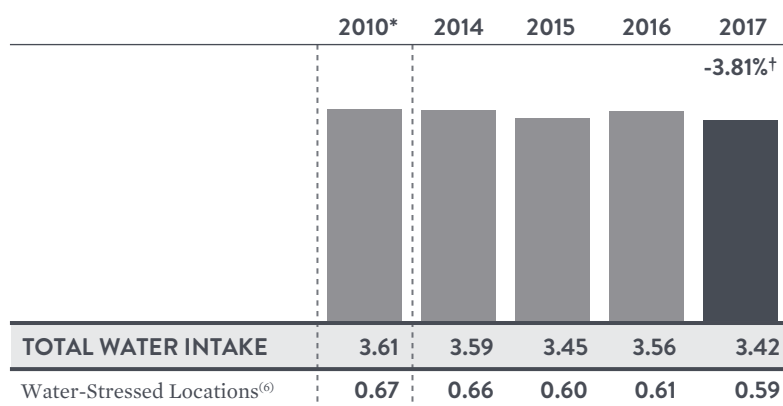
SCOPE 3 CO₂e EMISSIONS

Percentage of Total Emissions



WATER INTAKE

Billion Gallons



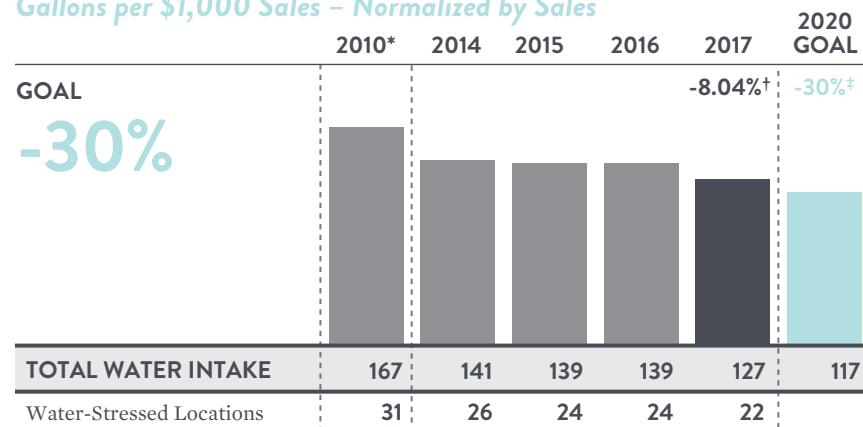
*Baseline year

†% change from 2016 to 2017

‡% change from 2010 (goal)

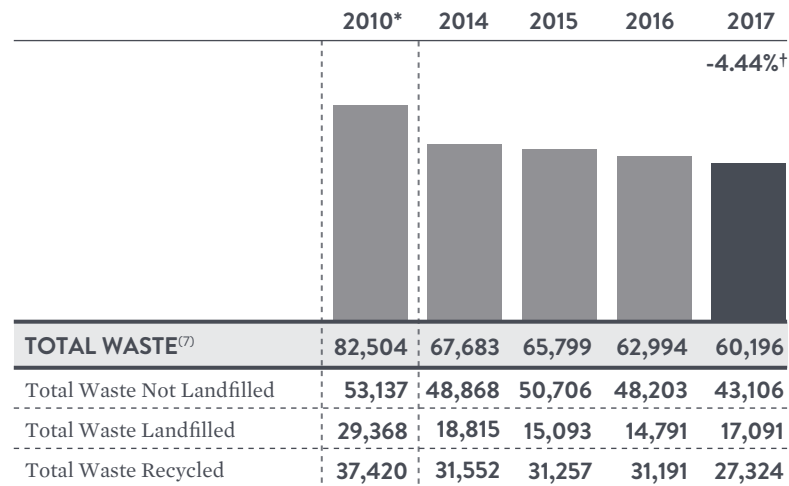
WATER INTAKE

Gallons per \$1,000 Sales – Normalized by Sales



TOTAL WASTE

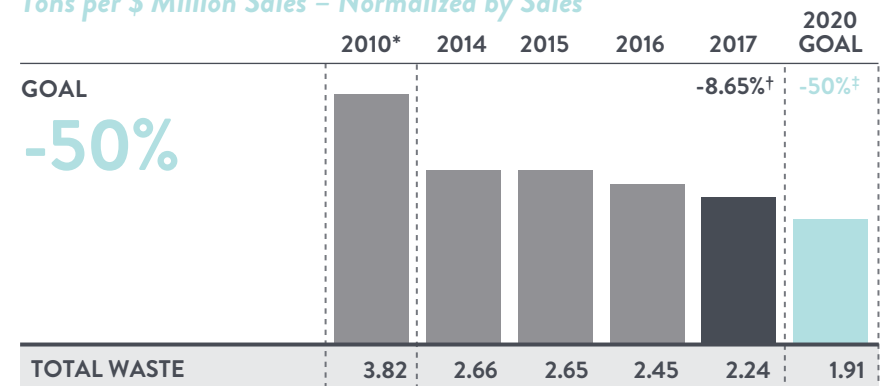
Tons



*Baseline year
 †% change from 2016 to 2017
 ‡% change from 2010 (goal)

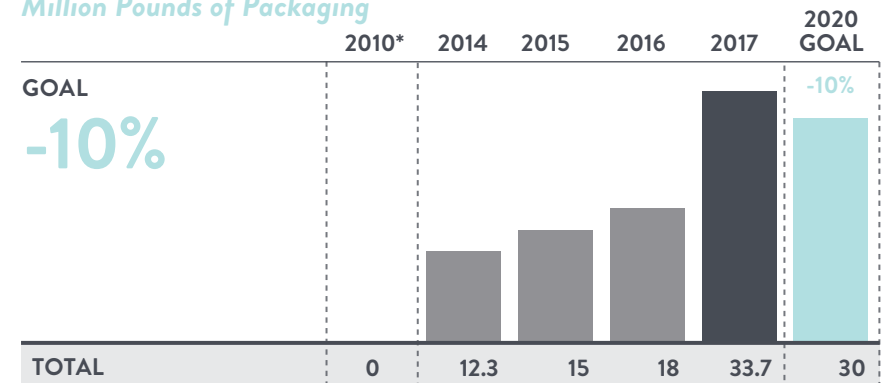
TOTAL WASTE

Tons per \$ Million Sales – Normalized by Sales



PACKAGING REDUCTION

Million Pounds of Packaging



DETAILED ENVIRONMENTAL PERFORMANCE

CO₂e EMISSIONS

TOTAL SCOPE 1 AND 2 CO₂e EMISSIONS BY REGION – 1,000 Metric Tons

	2010*	2015	2016	2017
NORTH AMERICA				
Canada	25	17	17	18
USA	662	523	523	491
Region Total	688	541	540	508
CARIBBEAN AND LATIN AMERICA				
Argentina	12	15	16	12
Brazil	3	4	5	7
Chile	4	5	4	4
Colombia	1	2	2	3
Costa Rica	0	2	2	0
Mexico	16	14	14	13
Peru	1	1	1	1
Puerto Rico	57	19	12	14
Commercial Region Total ⁽⁸⁾	25	26	24	28
Region Total	120	89	80	82

*Baseline year

TOTAL SCOPE 1 AND 2 CO₂e EMISSIONS BY REGION – 1,000 Metric Tons (CONTINUED)

	2010*	2015	2016	2017
EUROPE				
Belgium	0	0	0	0
Germany	31	25	25	23
Ireland	66	53	56	47
Netherlands	71	66	66	69
Russia	17	20	23	25
Spain	11	9	9	8
Sweden	0	0	0	0
Switzerland	0	0	0	0
United Kingdom	17	14	10	9
Commercial Region Total ⁽⁸⁾	42	40	40	46
Region Total	255	227	228	228
ASIA PACIFIC				
China	5	29	21	19
India	18	37	39	37
Japan	1	1	1	1
Malaysia	0	18	17	17
Pakistan	19	19	21	22
Singapore	45	39	43	43
Vietnam	1	1	1	2
Commercial Region Total ⁽⁸⁾	74	74	73	72
Region Total	165	221	220	215
Total	1,227	1,078	1,068	1,034

*Baseline year

CO₂e EMISSIONS – DIRECT EMISSIONS (SCOPE 1) BY REGION – 1,000 Metric Tons

	2010*	2015	2016	2017
NORTH AMERICA				
Canada	14	11	11	11
USA	284	237	241	242
Region Total	298	248	252	253
CARIBBEAN AND LATIN AMERICA				
Argentina	6	7	7	4
Brazil	2	2	2	5
Chile	1	1	0	0
Colombia	0	0	0	0
Costa Rica	0	0	0	0
Mexico	15	14	14	12
Peru	0	0	0	0
Puerto Rico	2	0	0	4
Commercial Region Total ⁽⁸⁾	22	23	21	25
Region Total	49	47	45	51

*Baseline year

CO₂e EMISSIONS – DIRECT EMISSIONS (SCOPE 1) BY REGION – 1,000 Metric Tons (CONTINUED)

	2010*	2015	2016	2017
EUROPE				
Belgium	0	0	0	0
Germany	11	10	13	11
Ireland	38	29	32	29
Netherlands	41	34	32	34
Russia	13	12	14	15
Spain	5	4	6	4
Sweden	0	0	0	0
Switzerland	0	0	0	0
United Kingdom	5	4	3	3
Commercial Region Total ⁽⁸⁾	32	31	30	36
Region Total	144	124	129	133
ASIA PACIFIC				
China	1	13	9	8
India	1	9	11	11
Indonesia	0	1	1	1
Japan	0	0	0	0
Malaysia	0	8	8	9
Pakistan	16	17	18	19
Singapore	18	17	21	20
Vietnam	0	0	0	0
Commercial Region Total ⁽⁸⁾	31	31	30	29
Region Total	69	95	98	94
Total	561	514	524	531

*Baseline year

CO₂e EMISSIONS – PURCHASED ENERGY (SCOPE 2) BY REGION – 1,000 Metric Tons

	2010*	2015	2016	2017
NORTH AMERICA				
Canada	11	7	7	7
USA	378	286	281	249
Region Total	389	293	288	256 ⁽⁸⁾
CARIBBEAN AND LATIN AMERICA				
Argentina	6	8	9	9
Brazil	1	2	3	2
Chile	3	4	3	3
Colombia	1	2	2	2
Costa Rica	0	2	2	0
Mexico	0	0	0	1
Peru	1	1	1	1
Puerto Rico	54	18	11	10
Commercial Region Total ⁽⁸⁾	3	3	3	3
Region Total	70	42	35	31

*Baseline year

CO₂e EMISSIONS – PURCHASED ENERGY (SCOPE 2) BY REGION – 1,000 Metric Tons (CONTINUED)

	2010*	2015	2016	2017
EUROPE				
Belgium	0	0	0	0
Germany	20	16	12	12
Ireland	28	23	24	18
Netherlands	30	32	34	36
Russia	4	8	8	10
Spain	6	5	4	4
Sweden	0	0	0	0
Switzerland	0	0	0	0
United Kingdom	12	10	7	7
Commercial Region Total ⁽⁸⁾	9	9	9	9
Region Total	111	103	99	95
ASIA PACIFIC				
China	4	16	12	11
India	17	28	28	27
Indonesia	2	2	2	3
Japan	1	1	1	1
Malaysia	0	10	9	9
Pakistan	2	3	3	3
Singapore	26	22	22	23
Vietnam	1	1	1	2
Commercial Region Total ⁽⁸⁾	43	43	43	43
Region Total	97	126	122	121
Total	667	564	544	503

*Baseline year

WATER INTAKE

WATER INTAKE BY REGION – Billion Gallons

	2010*	2015	2016	2017
NORTH AMERICA				
Canada	0.22	0.17	0.16	0.16
USA	1.90	1.74	1.89	1.80
Region Total	2.12	1.91	2.05	1.96
CARIBBEAN AND LATIN AMERICA				
Argentina	0.08	0.09	0.09	0.07
Brazil	0.01	0.02	0.02	0.02
Chile	0.02	0.02	0.02	0.02
Colombia	0.01	0.01	0.02	0.02
Costa Rica	0.00	0.03	0.03	0.03
Mexico	0.04	0.04	0.04	0.03
Peru	0.01	0.01	0.01	0.00
Puerto Rico	0.16	0.04	0.03	0.03
Region Total	0.33	0.25	0.25	0.21

*Baseline year

WATER INTAKE BY REGION – Billion Gallons (CONTINUED)

	2010*	2015	2016	2017
EUROPE				
Belgium	0.00	0.00	0.00	0.00
Germany	0.04	0.04	0.04	0.04
Ireland	0.17	0.18	0.17	0.17
Netherlands	0.40	0.34	0.34	0.35
Russia	0.08	0.07	0.07	0.07
Spain	0.06	0.07	0.07	0.07
Sweden	0.00	0.00	0.00	0.00
Switzerland	0.00	0.00	0.00	0.00
United Kingdom	0.01	0.01	0.00	0.00
Region Total	0.77	0.71	0.70	0.71
ASIA PACIFIC				
China	0.01	0.12	0.08	0.08
India	0.06	0.12	0.12	0.12
Indonesia	0.01	0.01	0.01	0.01
Japan	0.00	0.00	0.00	0.00
Malaysia	0.00	0.02	0.03	0.02
Pakistan	0.12	0.13	0.13	0.13
Singapore	0.19	0.17	0.19	0.19
Vietnam	0.00	0.01	0.00	0.00
Region Total	0.39	0.58	0.56	0.55
Total	3.61	3.45	3.56	3.42

*Baseline year

WATER CONSUMED (IN PROCESS)

TOTAL – Billion Gallons

	2010*	2015	2016	2017	% CHANGE FROM 2016 TO 2017
Total Water Consumed	0.68	0.77	0.78	0.74	-5.53

NORMALIZED BY SALES – Gallons per \$1,000 Sales

	2010*	2015	2016	2017	% CHANGE FROM 2016 TO 2017
Total Water Consumed	31	31	30	28	-9.69

WATER DISCHARGED (IMPAIRED)

TOTAL – Billion Gallons

	2010*	2015	2016	2017	% CHANGE FROM 2016 TO 2017
Total Water Discharged (Impaired)	2.26	2.11	2.22	2.19	-1.60

NORMALIZED BY SALES – Gallons per \$1,000 Sales

	2010*	2015	2016	2017	% CHANGE FROM 2016 TO 2017
Total Water Discharged (Impaired)	105	85	87	81	-5.94

*Baseline year

WATER DISCHARGED (NON-IMPAIRED)

TOTAL – Billion Gallons

	2010*	2015	2016	2017	% CHANGE FROM 2016 TO 2017
Total Water Discharged (Non-impaired)	0.67	0.57	0.55	0.50	-10.23

NORMALIZED BY SALES – Gallons per \$1,000 Sales

	2010*	2015	2016	2017	% CHANGE FROM 2016 TO 2017
Total Water Discharged (Non-impaired)	31	23	22	18	-14.19

BIOCHEMICAL OXYGEN DEMAND (BOD) CONCENTRATION IN WASTEWATER

Milligrams per Liter

	2010*	2015	2016	2017	% CHANGE FROM 2016 TO 2017
Concentration in Wastewater Discharged to Environment ⁽⁹⁾	6	9	8	16	96.08

*Baseline year

TOTAL WASTE

TOTAL WASTE BY REGION – Tons

	2010*	2015	2016	2017
NORTH AMERICA				
Canada	1,313	692	737	775
USA	42,018	29,785	29,537	28,531
Region Total	43,331	30,477	30,274	29,306
CARIBBEAN AND LATIN AMERICA				
Argentina	1,359	1,259	1,206	997
Brazil	680	791	660	615
Chile	580	580	776	708
Colombia	816	927	1,275	1,765
Costa Rica	0	1,130	1,222	1,332
Mexico	222	362	453	379
Peru	313	451	392	346
Puerto Rico	3,292	743	540	547
Commercial Region Total ⁽⁸⁾	814	814	814	814
Region Total	8,076	7,057	7,338	7,502

*Baseline year

TOTAL WASTE BY REGION – Tons (CONTINUED)

	2010*	2015	2016	2017
EUROPE				
Belgium	368	368	368	368
Germany	2,158	2,310	2,693	2,461
Ireland	5,216	3,994	4,521	4,091
Netherlands	8,688	4,862	4,519	4,784
Russia	1,206	901	1,003	1,020
Spain	738	1,278	1,305	1,251
Sweden	113	124	0	0
Switzerland	90	48	52	48
United Kingdom	1,260	1,044	1,195	702
Commercial Region Total ⁽⁸⁾	817	817	817	817
Region Total	20,654	15,746	16,474	15,543
ASIA PACIFIC				
China	207	1,765	616	391
India	2,063	4,159	2,245	2,147
Indonesia	205	23	16	26
Japan	498	486	400	386
Malaysia	0	118	118	118
Pakistan	1,257	658	647	657
Singapore	3,993	3,090	2,654	1,836
Vietnam	49	49	40	114
Commercial Region Total ⁽⁸⁾	2,172	2,172	2,172	2,172
Region Total	10,444	12,520	8,908	7,846
Total	82,504	65,799	62,994	60,196

*Baseline year

HAZARDOUS WASTE

TOTAL – Tons

	2010*	2015	2016	2017	% CHANGE FROM 2016 TO 2017
Hazardous Waste Not Landfilled	9,478	5,862	6,262	6,705	7.07
Hazardous Waste Landfilled	1,772	1,886	1,742	1,537	-11.81
Total Hazardous Waste	11,249	7,748	8,004	8,242	2.96

NORMALIZED BY SALES – Tons per \$ Million Sales

	2010*	2015	2016	2017	% CHANGE FROM 2016 TO 2017
Total Hazardous Waste	0.52	0.31	0.31	0.31	-1.57

*Baseline year

HAZARDOUS WASTE BY REGION – Tons

	2010*	2015	2016	2017
NORTH AMERICA				
Canada	149	137	143	128
USA	2,370	1,986	1,949	2,045
Region Total	2,519	2,123	2,092	2,173
CARIBBEAN AND LATIN AMERICA				
Argentina	603	661	564	544
Brazil	117	205	158	202
Chile	237	237	330	156
Colombia	198	231	183	251
Costa Rica	0	388	378	386
Mexico	33	66	116	62
Peru	79	150	113	96
Puerto Rico	1,596	70	63	55
Commercial Region Total ⁽⁸⁾	123	123	123	123
Region Total	2,985	2,132	2,028	1,874

*Baseline year

HAZARDOUS WASTE BY REGION – Tons (CONTINUED)

	2010*	2015	2016	2017
EUROPE				
Belgium	8	8	8	8
Germany	486	517	967	589
Ireland	536	382	451	457
Netherlands	3,283	1,428	1,414	1,685
Russia	294	225	177	417
Spain	3	5	7	4
Sweden	0	0	0	0
Switzerland	2	0	0	0
United Kingdom	481	189	84	64
Commercial Region Total ⁽⁸⁾	66	66	66	66
Region Total	5,159	2,819	3,174	3,290
ASIA PACIFIC				
China	3	9	19	21
India	264	248	286	463
Indonesia	7	11	8	10
Japan	18	10	14	12
Malaysia	0	60	60	60
Pakistan	65	79	105	75
Singapore	24	51	12	20
Vietnam	16	16	17	53
Commercial Region Total ⁽⁸⁾	190	190	190	190
Region Total	587	674	711	905
Total	11,249	7,748	8,004	8,242

*Baseline year

NON-HAZARDOUS WASTE

TOTAL – Tons

	2010*	2015	2016	2017	% CHANGE FROM 2016 TO 2017
Non-hazardous Waste Not Landfilled	43,659	44,844	41,941	36,401	-13.21
Non-hazardous Waste Landfilled	27,596	13,207	13,049	15,554	19.20
Total Non-hazardous Waste	71,255	58,051	54,989	51,955	-5.52

NORMALIZED BY SALES – Tons per \$ Million Sales

	2010*	2015	2016	2017	% CHANGE FROM 2016 TO 2017
Total Non-hazardous Waste	3.30	2.34	2.14	1.94	-9.68

*Baseline year

NON-HAZARDOUS WASTE BY REGION – Tons

	2010*	2015	2016	2017
NORTH AMERICA				
Canada	1,164	555	595	647
USA	39,648	27,799	27,587	26,486
Region Total	40,812	28,354	28,182	27,133
CARIBBEAN AND LATIN AMERICA				
Argentina	756	597	642	453
Brazil	563	586	502	413
Chile	343	343	446	552
Colombia	618	695	1,092	1,514
Costa Rica	0	742	844	947
Mexico	190	296	337	317
Peru	234	301	279	250
Puerto Rico	1,696	673	477	491
Commercial Region Total ⁽⁸⁾	691	691	691	691
Region Total	5,091	4,925	5,310	5,628

*Baseline year

NON-HAZARDOUS WASTE BY REGION – Tons (CONTINUED)

	2010*	2015	2016	2017
EUROPE				
Belgium	361	361	361	361
Germany	1,672	1,793	1,726	1,872
Ireland	4,679	3,612	4,070	3,634
Netherlands	5,405	3,434	3,104	3,100
Russia	912	676	826	603
Spain	735	1,273	1,298	1,247
Sweden	112	123	0	0
Switzerland	89	48	52	48
United Kingdom	779	855	1,111	637
Commercial Region Total ⁽⁸⁾	751	751	751	751
Region Total	15,495	12,926	13,300	12,253
ASIA PACIFIC				
China	205	1,756	598	370
India	1,799	3,911	1,959	1,684
Indonesia	198	13	8	16
Japan	480	476	387	374
Malaysia	0	58	58	58
Pakistan	1,192	579	541	581
Singapore	3,968	3,039	2,642	1,816
Vietnam	33	33	23	60
Commercial Region Total ⁽⁸⁾	1,982	1,982	1,982	1,982
Region Total	9,857	11,845	8,198	6,941
Total	71,255	58,051	54,989	51,955

*Baseline year

ENERGY CONSUMPTION

1,000 Gigajoules

	2010*	2015	2016	2017	% CHANGE FROM 2016 TO 2017
Purchased Fuels (Scope 1) ⁽²⁾	9,089	8,909	9,021	9,188	1.84
Purchased Energy (Scope 2) ⁽⁴⁾	5,215	4,559	4,487	4,375	-2.51
Total (Scope 1 and Scope 2) Energy Consumption	14,305	13,468	13,509	13,562	0.40

NORMALIZED BY SALES – *Gigajoules per \$ Million Sales*

	2010*	2015	2016	2017	% CHANGE FROM 2016 TO 2017
Purchased Fuels (Scope 1)	421	359	351	342	-2.64
Purchased Energy (Scope 2)	242	184	175	163	-6.81
Total (Scope 1 and Scope 2) Energy Consumption	663	542	526	505	-4.03

ELECTRICITY GENERATED ON SITE

Million Kilowatt Hours

	2010*	2015	2016	2017	% CHANGE FROM 2016 TO 2017
From Cogeneration	35.3	37.9	45.3	55.9	23.24
From Renewables	0.05	0.32	0.31	1.18	284.49

*Baseline year

TOTAL SCOPE 1 AND 2 ENERGY CONSUMPTION BY REGION – 1,000 Gigajoules

	2010*	2015	2016	2017
NORTH AMERICA				
Canada	445	326	331	335
USA	7,028	6,374	6,496	6,431
Region Total	7,473	6,700	6,827	6,766
CARIBBEAN AND LATIN AMERICA				
Argentina	109	141	141	133
Brazil	81	81	84	131
Chile	40	48	36	32
Colombia	33	40	45	52
Costa Rica	0	98	101	102
Mexico	275	255	246	219
Peru	19	21	18	19
Puerto Rico	652	197	114	163
Commercial Region Total ⁽⁸⁾	424	430	404	463
Region Total	1,633	1,311	1,188	1,314

*Baseline year

TOTAL SCOPE 1 AND 2 ENERGY CONSUMPTION BY REGION – 1,000 Gigajoules (CONTINUED)

	2010*	2015	2016	2017
EUROPE				
Belgium	3	3	3	2
Germany	360	268	291	289
Ireland	728	699	741	660
Netherlands	961	858	825	870
Russia	261	280	331	351
Spain	144	143	155	125
Sweden	30	0	0	0
Switzerland	5	2	2	2
United Kingdom	175	153	109	117
Commercial Region Total ⁽⁸⁾	645	621	616	705
Region Total	3,312	3,027	3,073	3,121
ASIA PACIFIC				
China	27	290	215	192
India	140	284	282	272
Indonesia	15	20	20	21
Japan	10	7	8	8
Malaysia	0	184	181	183
Pakistan	306	305	313	311
Singapore	515	470	556	539
Vietnam	9	13	12	14
Commercial Region Total ⁽⁸⁾	862	858	834	822
Region Total	1,886	2,430	2,421	2,362
Total	14,305	13,468	13,509	13,562

*Baseline year

ENERGY CONSUMPTION – PURCHASED FUELS (SCOPE 1) BY REGION – 1,000 Gigajoules

	2010*	2015	2016	2017
NORTH AMERICA				
Canada	253	186	187	193
USA	4,685	4,408	4,493	4,511
Region Total	4,937	4,594	4,679	4,704
CARIBBEAN AND LATIN AMERICA				
Argentina	47	60	57	52
Brazil	25	17	18	77
Chile	13	15	7	5
Colombia	7	7	7	9
Costa Rica	0	2	2	2
Mexico	272	253	244	214
Peru	3	3	3	3
Puerto Rico	27	6	6	57
Commercial Region Total	333	339	313	371
Region Total	726	702	657	791

*Baseline year

ENERGY CONSUMPTION – PURCHASED FUELS (SCOPE 1) BY REGION – 1,000 Gigajoules (CONTINUED)

	2010*	2015	2016	2017
EUROPE				
Belgium	1	0	1	0
Germany	179	146	189	188
Ireland	512	506	540	509
Netherlands	717	604	568	600
Russia	224	215	251	262
Spain	61	75	99	71
Sweden	0	0	0	0
Switzerland	0	0	0	0
United Kingdom	91	73	48	50
Commercial Region Total	465	442	437	526
Region Total	2,250	2,061	2,133	2,206
ASIA PACIFIC				
China	9	210	151	132
India	75	158	158	148
Indonesia	7	10	8	8
Japan	0	0	0	0
Malaysia	0	133	133	138
Pakistan	288	283	287	281
Singapore	329	294	376	351
Vietnam	0	0	0	0
Commercial Region Total	468	464	440	428
Region Total	1,175	1,551	1,552	1,486
Total	9,089	8,909	9,021	9,188

*Baseline year

ENERGY CONSUMPTION – PURCHASED ENERGY (SCOPE 2) BY REGION – 1,000 Gigajoules

	2010*	2015	2016	2017
NORTH AMERICA				
Canada	193	140	144	142
USA	2,343	1,965	2,003	1,919
Region Total	2,536	2,106	2,147	2,061
CARIBBEAN AND LATIN AMERICA				
Argentina	62	81	84	81
Brazil	56	64	65	54
Chile	26	33	30	26
Colombia	26	33	38	43
Costa Rica	0	95	99	99
Mexico	3	2	2	5
Peru	16	18	15	17
Puerto Rico	625	190	107	106
Commercial Region Total ⁽⁸⁾	92	92	92	92
Region Total	907	609	532	523

*Baseline year

ENERGY CONSUMPTION – PURCHASED ENERGY (SCOPE 2) BY REGION – 1,000 Gigajoules (CONTINUED)

	2010*	2015	2016	2017
EUROPE				
Belgium	2	2	2	1
Germany	180	122	102	101
Ireland	217	194	201	150
Netherlands	244	254	256	270
Russia	37	65	80	90
Spain	83	68	56	54
Sweden	30	0	0	0
Switzerland	5	2	2	2
United Kingdom	84	80	61	67
Commercial Region Total ⁽⁸⁾	179	179	179	179
Region Total	1,062	966	940	915
ASIA PACIFIC				
China	19	80	64	60
India	65	125	123	124
Indonesia	9	10	12	12
Japan	10	7	8	8
Malaysia	0	51	48	45
Pakistan	18	22	27	31
Singapore	187	176	180	188
Vietnam	9	13	12	13
Commercial Region Total ⁽⁸⁾	394	394	394	394
Region Total	710	879	868	875
Total	5,215	4,559	4,487	4,375

*Baseline year

ENERGY AND CO₂ EQUIVALENT BY ENERGY SOURCE⁽¹⁰⁾

	ENERGY CONSUMED (UNITS BELOW)				
	2010*	2015	2016	2017	UNITS
STATIONARY SOURCES					
Electricity (Purchased)	1,108	1,025	1,024	990	million kWh
Natural Gas	5,407	6,531	6,723	6,680	million cubic feet
Fuel Oils	4	0	0	1	million gallons
Coal	32	0	0	0	thousand tons
Misc. Fuels (Propane, Kerosene, LPG, LNG)	N/A	N/A	N/A	N/A	N/A
Purchased Steam, Hot Water and Chilled Water	137	38	18	21	million kWh
Biofuels	N/A	N/A	N/A	N/A	N/A
Generated Electricity (Cogeneration and Renewables)	35	38	46	57	million kWh
Leased Building Electricity	139	139	139	139	million kWh
Leased Building Natural Gas	22	22	22	22	thousand therms
MOBILE SOURCES					
Sales Fleet Gasoline	12.2	11.0	10.5	11.4	million gallons
Sales Fleet Diesel	2.7	2.4	2.4	2.4	million gallons
Aviation Fuel	0.8	0.8	0.7	0.7	million gallons
Plant/Shuttle Fleet (Diesel, Gasoline, E85, Propane)	0.2	0.2	0.2	0.2	million gallons

*Baseline year

ENERGY AND CO₂ EQUIVALENT BY ENERGY SOURCE⁽¹⁰⁾ (CONTINUED)

	ENERGY CONSUMED (1,000 GIGAJOULES)			
	2010*	2015	2016	2017
STATIONARY SOURCES				
Electricity (Purchased)	3,989	3,689	3,686	3,563
Natural Gas	5,511	6,667	6,864	6,828
Fuel Oils	556	34	35	85
Coal	850	0	0	0
Misc. Fuels (Propane, Kerosene, LPG, LNG)	19	239	265	293
Purchased Steam, Hot Water and Chilled Water	493	136	67	74
Biofuels	58	31	7	9
Generated Electricity (Cogeneration and Renewables)	0	1	1	4
Leased Building Electricity	499	499	499	499
Leased Building Natural Gas	234	234	234	234
Stationary Total	12,210	11,531	11,658	11,590
MOBILE SOURCES				
Sales Fleet Gasoline	1,604	1,451	1,390	1,501
Sales Fleet Diesel	386	348	342	356
Aviation Fuel	76	110	93	94
Plant/Shuttle Fleet (Diesel, Gasoline, E85, Propane)	29	28	25	22
Mobile Total	2,095	1,937	1,851	1,973

*Baseline year

ENERGY AND CO₂ EQUIVALENT BY ENERGY SOURCE⁽¹⁰⁾ (CONTINUED)

	GREENHOUSE GAS EMISSIONS (1,000 METRIC TON CO ₂ EQUIVALENT)			
	2010*	2015	2016	2017
STATIONARY SOURCES				
Electricity (Purchased)	587	500	482	441
Natural Gas	292	353	363	361
Fuel Oils	41	2	3	6
Coal	76	0	0	0
Misc. Fuels (Propane, Kerosene, LPG, LNG)	1	17	19	21
Purchased Steam, Hot Water and Chilled Water	21	6	3	3
Biofuels	0.1	0.1	0.0	0.0
Generated Electricity (Cogeneration and Renewables)	0	0	0	0
Leased Building Electricity	50	50	50	50
Leased Building Natural Gas	9	9	9	9
Stationary Total	1,077	936	928	891
MOBILE SOURCES				
Sales Fleet Gasoline	107	97	93	100
Sales Fleet Diesel	27	24	24	25
Aviation Fuel	5	8	6	6
Plant/Shuttle Fleet (Diesel, Gasoline, E85, Propane)	2	2	2	2
Mobile Total	142	131	125	133

*Baseline year

ENVIRONMENTAL FINES

U.S. Dollars

	2010*	2015	2016	2017	% CHANGE FROM 2016 TO 2017
Total	27,950	3,660	180	8,751	4,761.67

NOTICES OF VIOLATION (NOVs)

	2010*	2015	2016	2017	% CHANGE FROM 2016 TO 2017
Total	4	2	4	4	0.00

ENVIRONMENT, HEALTH AND SAFETY (EHS) INSPECTIONS BY GOVERNMENT AGENCIES⁽¹¹⁾

	2010*	2015	2016	2017	% CHANGE FROM 2016 TO 2017
Total	46	29	61	128	109.84

VOLATILE ORGANIC COMPOUND (VOC) EMISSIONS

TOTAL – 1,000 Metric Tons

	2010*	2015	2016	2017	% CHANGE FROM 2016 TO 2017
Total	1.00	1.18	1.16	1.16	-0.13

NORMALIZED BY SALES – Metric Tons per \$ Million Sales

	2010*	2015	2016	2017	% CHANGE FROM 2016 TO 2017
Total	0.046	0.047	0.045	0.043	-4.53

*Baseline year

SULPHUR OXIDE (SO_x) FROM COMBUSTION⁽¹²⁾

1,000 Metric Tons

	2010*	2015	2016	2017	% CHANGE FROM 2016 TO 2017
Total	0.58	0.03	0.04	0.04	3.04

NORMALIZED BY SALES – Metric Tons per \$ Million Sales

	2010*	2015	2016	2017	% CHANGE FROM 2016 TO 2017
Total	0.027	0.001	0.002	0.007	300.76

NITROUS OXIDE (NO_x) FROM COMBUSTION⁽¹²⁾

1,000 Metric Tons

	2010*	2015	2016	2017	% CHANGE FROM 2016 TO 2017
Total	0.410	0.316	0.328	0.330	0.63

NORMALIZED BY SALES – Metric Tons per \$ Million Sales

	2010*	2015	2016	2017	% CHANGE FROM 2016 TO 2017
Total	0.019	0.013	0.013	0.012	-3.80

*Baseline year

METRICS REFERENCES

All environmental data have been adjusted to account for acquisitions and divestitures, in accordance with the methodology prescribed in the World Resources Institute/World Business Council for Sustainable Development (WRI/WBCSD) Greenhouse Gas Protocol (GHGP). We report data from acquisitions as soon as practical. To that end, these data include the acquisitions of St. Jude Medical and Glomed, but not Alere Inc. Furthermore, these data reflect the divestiture of Abbott Medical Optics.

- (1) Progress towards 2020 carbon goal is reported using the GHGP Scope 2 market-based methodology.
- (2) Reported Purchased Fuel Scope 1 sources consist of fuel consumed by manufacturing facilities, sales fleet and Abbott-owned aviation.
- (3) Per WRI GHGP, Scope 1 refrigerant CO₂e emissions include only those covered in the Kyoto Protocol.
- (4) Reported Scope 2 sources consist of energy directly purchased by Abbott, such as electricity and steam, as well as emissions from leased locations. Unless specified otherwise, emissions are calculated according to the WRI/WBCSD GHGP Scope 2 Location-Based Method.
- (5) Per the GHGP, where market-based information is not available, location-based results have been used as proxy.
- (6) Water-stressed locations have been determined using WRI Aqueduct global water risk mapping tool and WBCSD Global Water Tool.
- (7) Waste-generation data do not include materials that are reused beneficially, which was roughly 75,000 tons in 2017.
- (8) Waste and CO₂e Commercial Region Total data collection and calculation methodology was updated to obtain more actual, not estimated, metrics for 2010–2017.
- (9) BOD data provided are the flow-weighted averages of sampled concentrations for water directly discharged to the environment only. Water discharged to the environment represents about 15 percent of total water discharged.
- (10) Abbott's non-energy-consumption greenhouse gas emissions, such as refrigerant releases and process air emissions, are omitted. The total CO₂ equivalents from non-energy sources are 9-, 11-, 10-, 9-, 10-, 11-, 14-, and 10-thousand metric tons from 2010 to 2017, respectively.
- (11) Definition for "government agency inspection" was updated in 2017 by Abbott to include routine visits and sample collection from regulatory agencies or designated representatives. This change is not reflected in our metrics for 2010 through 2016, only 2017 forward.
- (12) Reflects emissions from fuel combusted at manufacturing facilities only.



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