

# Summary of main performance indicators<sup>(1)</sup>

GRI ref.	Indicator description	2015 data assured	2015	2014	2013	2012	2011
<b>Environmental</b>	<b>Materials</b>						
	Phthalates (tons)	✓	878	258	21	28	47
	Brominated flame retardants (tons)	✓	0	1.9	2.9	~0	~0
	Lead in submarine cables (tons)	✓	8,376	7,842	7,236	5,633	5,725
	Organic lead in polymers (tons)	✓	1.4	0.1	0.6	0.9	1.3
	Lead in other products (tons), eg, backup batteries and counterweights in robots	✓	1,684	1,884	2,601	363	227
	Cadmium in industrial batteries (tons)	✓	0.8	4.4	4.4	5.6	1.6
	Cadmium in rechargeable batteries (tons)	✓	97.5	75.1	67.6	6.3	10
	Cadmium in lead alloy and other uses (tons)	✓	6.4	6.0	5.7	4.5	4.3
	Mercury in products (tons)	✓	0.007	0.071	0.012	0.011	0.030
	SF <sub>6</sub> insulation gas (inflow to ABB facilities) (tons)	✓	1,658	1,483	1,438	1,139	1,052
	SF <sub>6</sub> insulation gas (outflow to customers) (tons)	✓	1,648	1,466	1,425	1,118	1,040
	No. of transformers with PCB oil in ABB facilities	✓	0	0	1	1	2
	No. of capacitors with PCB oil in ABB facilities	✓	0	0	60	32	0
	Mercury in instruments in ABB facilities (tons)	✓	0.225	0.320	0.371	0.203	0.263
<b>EN3</b>	<b>Energy consumption (Gigawatt-hours – GWh)</b>						
	Oil (11.63 MWh/ton)	✓	79	85	94	93	92
	Diesel (11.75 MWh/ton) <sup>a,b</sup>	✓	8	11	0	0	0
	Coal (7.56 MWh/ton)	✓	0	0	4	0	0
	Gas <sup>b</sup>	✓	739	706	754	556	417
	District heat consumption <sup>b,c</sup>	✓	181	198	251	219	195
	Electricity consumption <sup>b,c</sup>	✓	1,610	1,629	1,705	1,599	1,447
	<b>Total energy used</b>	✓	<b>2,618</b>	<b>2,629</b>	<b>2,808</b>	<b>2,467</b>	<b>2,151</b>
	Electricity sold <sup>d</sup>	✓	1	2	n.a.	n.a.	n.a.
<b>EN5</b>	<b>Energy intensity (MWh/million USD)</b>						
	Megawatt-hours (MWh) per million USD sales	✓	73.79	66.01	67.10	65.25	59.68
<b>EN6</b>	<b>Reduction of energy consumption (GWh)<sup>e</sup></b>						
			32.2	34.4	n.a.	n.a.	n.a.

<sup>(1)</sup> Note that in this table, data for the Thomas & Betts acquisition is included from 2013 onwards. Data for the Baldor acquisition is included from 2012 onwards.

<sup>a</sup> Diesel consumption was reported separately for the first time in 2014.

<sup>b</sup> Results for these indicators are based on reported data covering 95 percent of employees in 2015 (93 percent of employees in 2014, 85–88 percent in earlier years) plus estimated energy use per employee for the remaining employees. See the Approach to reporting section for more details.

<sup>c</sup> ABB Sustainability Performance Reports prior to 2014 included calculated "losses at utilities" for district heat and purchased electricity consumption in total energy consumption. In this report, those loss calculations have been removed for all years shown.

<sup>d</sup> Data for electricity sold was reported for the first time in 2014.

<sup>e</sup> Data for reduction of energy consumption was reported for the first time in 2014.

GRI ref.	Indicator description	2015 data assured	2015	2014	2013	2012	2011
<b>EN8</b>	<b>Water withdrawal (kilotons)</b>						
	Purchased from water companies <sup>f</sup>	✓	4,000	4,200	4,400	3,900	3,400
	Groundwater extracted by ABB	✓	3,200	3,100	3,200	3,000	3,200
	Surface water extracted by ABB	✓	2,400	2,800	2,700	2,800	2,600
	Collection of rain water	✓	<100	<100	<100	<100	<100
	Waste water from external source	✓	<100	<100	<100	<100	<100
	<b>Total water withdrawal</b>	✓	<b>9,700</b>	<b>10,100</b>	<b>10,300</b>	<b>9,700</b>	<b>9,200</b>
<b>EN10</b>	<b>Water recycled and reused</b>						
	Volume of water reused and recycled (kilotons)		5,200	5,200	5,900	3,700	3,900
	As percentage of total water withdrawal (%)		54	51	57	38	42
	<b>Greenhouse gas emissions<sup>g</sup> (kilotons CO<sub>2</sub> equivalent)</b>						
<b>EN15</b>	<b>Scope 1</b>						
	CO <sub>2</sub> from the use of energy	✓	174	169	180	n.a.	n.a.
	SF <sub>6</sub> (in CO <sub>2</sub> equivalents) <sup>h</sup>	✓	237	382	288	340	270
	CO <sub>2</sub> from transport by own fleet <sup>i</sup>	✓	350	350	350	350	350
<b>EN16</b>	<b>Scope 2</b>						
	District heat consumption	✓	29	35	45	n.a.	n.a.
	Electricity consumption	✓	685	682	680	n.a.	n.a.
<b>EN17</b>	<b>Scope 3</b>						
	Air travel <sup>l,k</sup>	✓	179	196	152	171	185
	<b>Total greenhouse gas emissions</b>	✓	<b>1,654</b>	<b>1,814</b>	<b>1,695</b>	<b>n.a.</b>	<b>n.a.</b>
<b>EN18</b>	<b>Greenhouse gas (GHG) emissions intensity (tons CO<sub>2</sub> equivalents/million USD)</b>						
	Tons CO <sub>2</sub> equivalents per million USD sales <sup>l</sup>	✓	46.60	45.60	40.50	n.a.	n.a.
<b>EN21</b>	<b>Emissions of volatile organic compounds (tons)</b>						
	Volatile organic compounds (VOC)	✓	1,223	1,291	1,210	1,355	810
	Chlorinated volatile organic compounds (VOC-Cl)	✓	13	20	20	12	13
	<b>Emissions of NO<sub>x</sub> and SO<sub>x</sub> (tons SO<sub>2</sub> and NO<sub>2</sub>)</b>						
	SO <sub>x</sub> from burning coal		0	0	3	0	0
	SO <sub>x</sub> from burning oil		64	65	69	69	68
	NO <sub>x</sub> from burning coal		0	0	2	0	0
	NO <sub>x</sub> from burning oil		48	49	52	52	51
	NO <sub>x</sub> from burning gas		160	126	163	120	90

<sup>f</sup> Results for this indicator are based on reported data covering 95 percent of employees in 2015 (93 percent of employees in 2014, 85–88 percent in earlier years) plus estimated water purchased per employee for the remaining employees. See the Approach to reporting section for more details.

<sup>g</sup> See Approach to reporting chapter for more details on GHG emission calculation.

<sup>h</sup> In 2015, we updated the factor used to convert SF<sub>6</sub> emissions to CO<sub>2</sub> equivalents to 22,800 kg CO<sub>2</sub>e/kg SF<sub>6</sub>, as recommended by the UK Department of Energy & Climate Change in July 2014, and have applied that factor to SF<sub>6</sub> data reported for all years (2011 – 2015). Previously we used 22,200 kg CO<sub>2</sub>e/kg SF<sub>6</sub>.

<sup>i</sup> Estimated data.

<sup>j</sup> The air travel indicator includes data from ABB China and Thomas & Betts for the first time in 2014.

<sup>k</sup> 2014 and 2013 data for air travel are calculated using the emission factors published by the UK Department of Environment, Food and Rural Affairs (DEFRA in its "2012 Guidelines to DEFRA/DECC's GHG Conversion Factors for Company Reporting"). Data from 2012 and 2011 were calculated using emission factors provided by DEFRA in its 2009 Guidelines. Use of the 2012 factors gives a slightly lower total. For comparison, ABB's air travel emissions for 2012, calculated using the 2012 emission factors = 165 kton CO<sub>2</sub> equivalent.

<sup>l</sup> Data is not available in this form for 2011 and 2012.

GRI ref.	Indicator description	2015 data assured	2015	2014	2013	2012	2011
<b>EN22</b>	<b>Water discharge by quality and destination (kilotons)</b>						
	Public sewer		3,100	3,000	3,600	2,800	n.a
	treated (percentage)		28%	30%	31%	29%	n.a
	untreated (percentage)		72%	70%	69%	71%	n.a
	Recipient		2,600	2,900	2,300	2,000	n.a
	treated (percentage)		90%	90%	87%	45%	n.a
	untreated (percentage)		10%	10%	13%	55%	n.a
	Hazardous treatment company		360	400	500	500	n.a
	treated (percentage)		90%	75%	60%	80%	n.a
	untreated (percentage)		10%	25%	40%	20%	n.a
	External use		<100	<100	<100	0	n.a
	treated (percentage)		63%	50%	50%	0%	n.a
	untreated (percentage)		37%	50%	50%	0%	n.a
<b>EN23</b>	<b>Waste (kilotons)</b>						
	Scrap metal recycled	✓	158	162	185	150	97
	Non-hazardous waste recycled <sup>m</sup>	✓	53	49	52	41	39
	Non-hazardous waste sent for disposal <sup>m</sup>	✓	44	44	50	43	45
	Hazardous waste recycled <sup>n</sup>	✓	5	5	5	0	0
	Hazardous waste sent for disposal <sup>n</sup>	✓	10	13	9	12	9
	<b>Total waste (generated)</b>	✓	<b>270</b>	<b>273</b>	<b>301</b>	<b>246</b>	<b>190</b>
<b>EN24</b>	<b>Numbers of significant spills</b>						
	Oil spills		11	7	13	6	5
	Chemical spills		1	0	0	0	0
	Emissions to air		11	3	3	5	4
	Others		0	0	4	0	0
	<b>Total number of significant spills</b>		<b>23</b>	<b>10</b>	<b>20</b>	<b>11</b>	<b>9</b>

<sup>m</sup> Results for these indicators are based on reported data covering 95 percent of employees in 2015 (93 percent of employees in 2014, 85–88 percent in earlier years) plus estimated data per employee for the remaining employees. See the Approach to reporting section for more details.

<sup>n</sup> Hazardous waste as classified in country where it is generated.

GRI ref.	Indicator description	2015 data assured		2014	2013	2012	2011
<b>Social</b>	<b>Total number and rates of new employee hires and employee turnover</b>						
<b>LA1</b>	<b>Total workforce by region (ABB employees)</b>						
	Europe	61,600		63,000	65,000	64,000	60,300
	The Americas	30,900		32,200	34,400	34,400	25,900
	Asia, Middle East and Africa	43,300		45,200	48,300	47,700	47,400
	<b>Total</b>	<b>135,800</b>		<b>140,400</b>	<b>147,700</b>	<b>146,100</b>	<b>133,600</b>
	<b>Employee turnover</b>						
	Turnover of all employees <sup>o</sup>						
	Europe	5,891	9%	5,877 9%	5,387 9%	5,083 8%	5,712 10%
	The Americas	5,409	17%	5,379 17%	4,760 14%	3,689 14%	2,823 15%
	Asia, Middle East and Africa	4,946	12%	5,701 13%	5,534 13%	5,060 12%	5,469 13%
	<b>Total employee turnover: ABB Group</b>	<b>16,246</b>	<b>12%</b>	<b>16,957 12%</b>	<b>15,681 11%</b>	<b>13,832 11%</b>	<b>14,004 12%</b>
	Turnover of all female employees <sup>o</sup>						
	Europe	1,498	2%	1,370 2%	1,217 2%	1,218 2%	1,364 2%
	The Americas	1,418	5%	1,307 4%	1,026 3%	676 3%	531 3%
	Asia	1,093	3%	1,311 6%	1,358 3%	1,093 3%	1,270 3%
	<b>Total female employee turnover: ABB Group</b>	<b>4,009</b>	<b>3%</b>	<b>3,882 3%</b>	<b>3,601 3%</b>	<b>2,987 2%</b>	<b>3,165 3%</b>
	<b>Employee hires</b>						
	Hires of all employees <sup>o</sup>						
	Europe	5,672	9%	6,195 10%	6,086 10%	6,793 11%	6,593 11%
	The Americas	3,573	11%	4,142 13%	4,246 12%	4,034 15%	4,462 23%
	Asia, Middle East and Africa	3,777	9%	5,493 13%	5,219 10%	5,875 14%	8,815 22%
	<b>Total employee hires: ABB Group</b>	<b>13,022</b>	<b>10%</b>	<b>15,830 12%</b>	<b>15,551 11%</b>	<b>16,702 13%</b>	<b>19,870 17%</b>
	Hires of all female employees <sup>o</sup>						
	Europe	1,520	2%	1,597 3%	1,453 2%	1,590 3%	1,493 3%
	The Americas	769	2%	1,010 3%	971 3%	821 3%	854 4%
	Asia, Middle East and Africa	761	2%	1,308 3%	1,467 3%	1,231 3%	1,866 5%
	<b>Total female employee hires: ABB Group</b>	<b>3,050</b>	<b>2%</b>	<b>3,915 3%</b>	<b>3,891 3%</b>	<b>3,624 3%</b>	<b>4,213 4%</b>

<sup>o</sup> Includes part-time employees. Turnover rate calculated as number of ABB employees (full- and part-time) leaving during the year/total number of ABB employees (full- and part-time) as at 31 December. For the purpose of this calculation, employees who leave the organization voluntarily or involuntarily whether due to dismissal, retirement, or death in service or any other reason, are included. However, involuntary turnover arising out of divestments is excluded from the definition.

GRI ref.	Indicator description	2015 data assured	2015	2014	2013 <sup>p</sup>	2012 <sup>q</sup>	2011
<b>LA6</b>	<b>Occupational health and safety: Injuries, lost days, diseases and fatalities</b>						
	Employee work-related fatalities <sup>r</sup>	✓	0	1	0	1	0
	Incident rate <sup>s</sup>	✓	0.00	0.01	0	0.01	0
	Employee business travel fatalities <sup>t,u</sup>	✓	0	0	0	1	0
	Incident rate <sup>s</sup>	✓	0.00	0	0	0.01	0
	Contractor work-related fatalities <sup>r,t</sup>	✓	2	2	7	2	0
	Contractor business travel fatalities <sup>t,u</sup>	✓	0	0	0	0	0
	Members of the public fatalities <sup>r</sup>	✓	1	0	1	0	0
	Employee total recordable incident number <sup>t,v</sup>	✓	1,310	1,500	1,664	1,750	1,505
	Incident rate <sup>s</sup>	✓	8.79	9.95	10.94	13.04	13.17
	Contractor total recordable incident number <sup>t,v</sup>	✓	343	333	310	348	307
	Incident rate <sup>s</sup>	✓	8.02	7.76	7.52	8.21	7.47
	Employee lost time incident number <sup>t</sup>	✓	531	652	686	683	722
	Incident rate <sup>s</sup>	✓	3.55	4.34	4.70	4.80	5.70
	Contractor lost time incident number <sup>t</sup>	✓	163	200	158	159	148
	Incident rate <sup>s</sup>	✓	3.81	4.65	3.83	3.76	3.60
	Employee lost days due to industrial incidents <sup>w</sup>	✓	7,831	8,415	10,591	10,345	9,478
	Days lost rate <sup>s</sup>	✓	52.56	55.220	77.500	74.640	69.560
	Employee occupational health diseases	✓	46	17	10	10	7
	Employee occupational health disease rate <sup>s</sup>	✓	0.31	0.11	0.14	0.07	0.06
	Safety Observation Tours (SOT) conducted <sup>t</sup>	✓	139,124	-	-	-	-
	SOT rate <sup>x</sup>	✓	0.92	-	-	-	-
	Hazards reported <sup>t</sup>	✓	520,942	-	-	-	-
	Hazards reporting rate <sup>x</sup>	✓	3.51	-	-	-	-
	<b>Data by region</b>						
	Employee work-related fatalities (total)	✓	0	1	-	-	-
	Europe	✓	0	0	-	-	-
	The Americas	✓	0	0	-	-	-
	Asia, Middle East and Africa	✓	0	1	-	-	-
	Employee business travel fatalities (total)	✓	0	0	-	-	-
	Europe	✓	0	0	-	-	-
	The Americas	✓	0	0	-	-	-
	Asia, Middle East and Africa	✓	0	0	-	-	-
	Contractor work-related fatalities	✓	2	2	-	-	-
	Europe	✓	0	0	-	-	-
	The Americas	✓	0	0	-	-	-
	Asia, Middle East and Africa	✓	2	2	-	-	-

<sup>p</sup> Data from Thomas & Betts, a company acquired by ABB during 2012, does not include contractors.

<sup>q</sup> This data does not include incidents from Thomas & Betts, a company acquired by ABB during 2012.

<sup>r</sup> Fatalities also include deaths occurring within one year as a result of injuries sustained.

<sup>s</sup> Incident rates are according to the ILO rate per 1,000 employees.

<sup>t</sup> Data covers incidents that happened at workplace (ABB facility, customer site, project site).

<sup>u</sup> Incidents during air travel on business trips are excluded.

<sup>v</sup> Total recordable incidents include fatal, lost time injuries, serious injuries, medical treatment injuries, occupational diseases and restricted work day cases.

<sup>w</sup> Days lost are calendar days and are counted from the day after the incident.

<sup>x</sup> Rate is calculated per employee.

GRI ref.	Indicator description						
		2015 data assured	2015	2014	2013	2012	2011
	Contractor business travel fatalities	✓	0	0	-	-	-
	Europe	✓	0	0	-	-	-
	The Americas	✓	0	0	-	-	-
	Asia, Middle East and Africa	✓	0	0	-	-	-
	Employee total recordable incident rate <sup>†</sup>	✓	8.79	9.95	-	-	-
	Europe	✓	10.18	11.55	-	-	-
	The Americas	✓	14.01	15.66	-	-	-
	Asia, Middle East and Africa	✓	3.08	3.93	-	-	-
	Contractor total recordable incident rate <sup>†</sup>	✓	8.02	7.76	-	-	-
	Europe	✓	18.77	19.72	-	-	-
	The Americas	✓	15.35	14.01	-	-	-
	Asia, Middle East and Africa	✓	3.71	3.46	-	-	-
	Employee lost time incident rate <sup>†</sup>	✓	3.55	4.34	-	-	-
	Europe	✓	5.55	6.60	-	-	-
	The Americas	✓	3.30	4.00	-	-	-
	Asia, Middle East and Africa	✓	0.84	1.21	-	-	-
	Contractor lost time incident rate <sup>†</sup>	✓	3.81	4.65	-	-	-
	Europe	✓	10.34	13.76	-	-	-
	The Americas	✓	8.39	8.60	-	-	-
	Asia, Middle East and Africa	✓	1.17	1.52	-	-	-
	Employee days lost rate	✓	52.56	55.22	-	-	-
	Europe	✓	73.24	82.53	-	-	-
	The Americas	✓	60.16	82.82	-	-	-
	Asia, Middle East and Africa	✓	17.38	17.20	-	-	-
	Employee occupational health disease rate	✓	0.31	0.11	-	-	-
	Europe	✓	0.56	0.22	-	-	-
	The Americas	✓	0.24	0.28	-	-	-
	Asia, Middle East and Africa	✓	0	0	-	-	-
	SOT rate	✓	0.92	-	-	-	-
	Europe	✓	0.51	-	-	-	-
	The Americas	✓	1.41	-	-	-	-
	Asia, Middle East and Africa	✓	1.17	-	-	-	-
	Hazard rate	✓	3.51	-	-	-	-
	Europe	✓	2.67	-	-	-	-
	The Americas	✓	4.25	-	-	-	-
	Asia, Middle East and Africa	✓	4.19	-	-	-	-

GRI ref.	Indicator description	2015 data assured	2015	2014	2013	2012	2011
<b>HR3</b>	<b>Non-discrimination</b>						
	Total number of incidents of discrimination		0	1	1	2	5
	Total number of incidents of harassment		8	10	10	13	32
<b>SO6</b>	<b>Public policy</b>						
	Financial and in-kind political contributions		\$12,600	\$13,000	0	\$30,000	\$500
<b>LA9</b>	<b>Training and education</b>						
	Training per year per employee (average hours)						
	Canada		30	20	18	22	21
	China		22	26	27	31	34
	Finland		17	19	18	14	13
	Germany		18	18	16	16	16
	India		2	12	12	18	5
	Italy		12	12	19	16	17
	Poland		10	11	12	10	10
	Sweden		10	12	12	12	12
	Switzerland		14	16	20	19	17
	US		27	32	28	24	25
<b>LA12</b>	<b>Diversity and equal opportunity</b>						
	Composition of governance bodies						
	Board of Directors						
	Women in Board (percentage)		13%	13%	13%	13%	13%
	Age group diversity total (percentage)						
	<30 years old		0%	0%	0%	0%	0%
	30–50 years old		0%	0%	0%	0%	0%
	>50 years old		100%	100%	100%	100%	100%
	Number of nationalities total		8	7	7	7	7
	Executive Committee						
	Women in Executive Committee (percentage)		9%	9%	9%	8%	9%
	Age group diversity total (percentage)						
	<30 years old		0%	0%	0%	0%	0%
	30–50 years old		27%	36%	45%	25%	27%
	>50 years old		73%	64%	55%	75%	73%
	Number of nationalities total		8	8	8	8	8