### SUMMARY OF GRI INDICATORS

# **ABB Group Sustainability Indicators 2017**

### **Environmental**

| GRI ref. | Indicator description  | Data assured | 2017  | 2016  | 2015  | 2014  | 2013  |
|----------|--|--------------|-------|-------|-------|-------|-------|
|          | Hazardous materials  |              |       |       |       |       |       |
|          | Phthalates (tons)  | $\bigcirc$   | 106   | 191   | 878   | 258   | 21    |
|          | Brominated flame retardants (tons)   | $\bigcirc$   | 0.0   | 0.0   | 0.0   | 1.9   | 2.9   |
|          | Lead in submarine cables (tons)  | $\bigcirc$   | 0.017 | 8,246 | 8,376 | 7,842 | 7,236 |
|          | Organic lead in polymers (tons)  | $\bigcirc$   | 0.29  | 1.0   | 1.4   | 0.1   | 0.6   |
|          | Lead in other products (tons), e.g., backup batteries and counterweights in robots | $\bigcirc$   | 2,548 | 3,321 | 1,684 | 1,884 | 2,601 |
|          | Cadmium in industrial batteries (tons)   | $\bigcirc$   | 31.1  | 26.4  | 0.8   | 4.4   | 4.4   |
|          | Cadmium in rechargeable batteries (tons)   | $\bigcirc$   | 40.2  | 45.7  | 97.5  | 75.1  | 67.6  |
|          | Cadmium in lead alloy and other uses (tons)  | $\bigcirc$   | 0.4   | 7.3   | 6.4   | 6.0   | 5.7   |
|          | Mercury in products (tons)   | $\bigcirc$   | 0.001 | 0.002 | 0.007 | 0.071 | 0.012 |
|          | SF <sub>6</sub> insulation gas (inflow to ABB facilities) (tons)                   | $\bigcirc$   | 1,722 | 1,653 | 1,658 | 1,483 | 1,438 |
|          | SF <sub>6</sub> insulation gas (outflow to customers) (tons)                       | $\bigcirc$   | 1,714 | 1,644 | 1,648 | 1,466 | 1,425 |
|          | No. of transformers with PCB oil in ABB facilities                                 | $\bigcirc$   | 0     | 0     | 0     | 0     | 1     |
|          | No. of capacitors with PCB oil in ABB facilities                                   | $\bigcirc$   | 0     | 0     | 0     | 0     | 60    |
|          | Mercury in instruments in ABB facilities (tons)                                    | $\bigcirc$   | 0.215 | 0.238 | 0.225 | 0.320 | 0.371 |
| 302-1    | Energy consumption (gigawatt-hours – GWh)  |              |       |       |       |       |       |
|          | Biofuels <sup>a</sup>  | $\bigcirc$   | 64.4  | 52    | 46    | 44    | 27    |
|          | Oil (11.63 MWh/ton)  | $\bigcirc$   | 58.5  | 71    | 79    | 85    | 94    |
|          | Diesel (11.75 MWh/ton) <sup>b</sup>  | $\bigcirc$   | 5.8   | 9     | 8     | 11    | 0     |
|          | Coal (7.56 MWh/ton)  | <b>V</b>     | 0     | 0     | 0     | 0     | 4     |
|          | Gas <sup>c, d</sup>  | <b>V</b>     | 684   | 696   | 777   | 749   | 788   |
|          | District heat consumption <sup>c, e</sup>  | $\bigcirc$   | 209   | 198   | 181   | 198   | 251   |
|          | Electricity consumption <sup>c, d, e</sup>   | $\bigcirc$   | 1,561 | 1,620 | 1,608 | 1,628 | 1,705 |
|          | Total energy used  | <b>V</b>     | 2,582 | 2,646 | 2,699 | 2,716 | 2,869 |
|          | Electricity sold <sup>f</sup>  | <b>⊘</b>     | 4.8   | 2     | 1     | 2     | n.a.  |
| 302-3    | Energy intensity (MWh/million \$ sales)  | <b>V</b>     | 75.26 | 78.21 | 75.07 | 67.11 | 67.74 |
| 302-4    | Reduction of energy consumption (GWh) <sup>9</sup>                                 |              | 59    | 53    | 17    | 153   | n.a.  |

| GRI ref.            | Indicator description  | Data assured | 2017  | 2016   | 2015  | 2014   | 2013   |
|---------------------|--|--------------|-------|--------|-------|--------|--------|
| 303-1               | Water withdrawal (kilotons)  |              |       |        |       |        |        |
|                     | Purchased from water companies <sup>c</sup>  | $\checkmark$ | 3,678 | 3,800  | 4,000 | 4,200  | 4,400  |
|                     | Groundwater extracted by ABB   | $\checkmark$ | 2,726 | 2,300  | 3,200 | 3,100  | 3,200  |
|                     | Surface water extracted by ABB   | $\checkmark$ | 2,849 | 3,000  | 2,400 | 2,800  | 2,700  |
|                     | Collection of rainwater  | $\checkmark$ | <100  | <100   | <100  | <100   | <100   |
|                     | Waste water from external source   | $\checkmark$ | <100  | <100   | <100  | <100   | <100   |
|                     | Total water withdrawal   | $\checkmark$ | 9,280 | 9,100  | 9,700 | 10,100 | 10,300 |
| 303-3               | Water recycled and reused  |              |       |        |       |        |        |
|                     | Volume of water reused and recycled (kilotons)   |              | 7,807 | 10,600 | 5,200 | 5,200  | 5,900  |
|                     | As percentage of total water withdrawal (%)  |              | 84    | 116    | 54    | 51     | 57     |
| Greenhouse gas (GHC | i) emissions <sup>h</sup> (kilotons CO <sub>2</sub> equivalent)                              |              |       |        |       |        |        |
| 305-1               | Scope 1  |              |       |        |       |        |        |
|                     | CO₂ from the use of energy <sup>d</sup>  | $\checkmark$ | 156   | 163    | 181   | 178    | 187    |
|                     | SF <sub>6</sub> (in CO₂ equivalents) <sup>i</sup>  | $\checkmark$ | 175   | 221    | 237   | 382    | 288    |
|                     | CO₂ from transport by own fleet <sup>j</sup>   | $\checkmark$ | 63    | 350    | 350   | 350    | 350    |
| 305-2               | Scope 2  |              |       |        |       |        |        |
|                     | District heat consumption  | $\checkmark$ | 28    | 31     | 29    | 35     | 45     |
|                     | Electricity consumption <sup>d</sup>   | $\checkmark$ | 606   | 614    | 684   | 682    | 680    |
|                     | Total scope 1 and 2 GHG emissions  | $\checkmark$ | 1,028 | 1,379  | 1,481 | 1,627  | 1,550  |
| 305-3               | Scope 3  |              |       |        |       |        |        |
|                     | Air travel <sup>k,i</sup>  | $\bigcirc$   | 150   | 164    | 158   | 171    | 134    |
| 305-4               | GHG emissions intensity (tons CO₂ equivalents/million \$)                                    |              |       |        |       |        | _      |
|                     | Tons CO₂ equivalents per million \$ sales¹   | $\bigcirc$   | 34    | 46     | 46    | 45     | 40     |
| 305-7               | Emissions of volatile organic compounds (tons)   |              |       |        |       |        |        |
|                     | Volatile organic compounds (VOC)   | $\checkmark$ | 987   | 1,105  | 1,223 | 1,291  | 1,210  |
|                     | Chlorinated volatile organic compounds (VOC-CI)  | $\checkmark$ | 3     | 6      | 13    | 20     | 20     |
|                     | Emissions of NO <sub>x</sub> and SO <sub>x</sub> (tons SO <sub>2</sub> and NO <sub>2</sub> ) |              |       |        |       |        |        |
|                     | SO <sub>x</sub> from burning coal  |              | 0     | 0      | 0     | 0      | 3      |
|                     | SO <sub>x</sub> from burning oil and biofuels  |              | 89    | 82     | 97    | 97     | 89     |
|                     | NO <sub>x</sub> from burning coal  |              | 0     | 0      | 0     | 0      | 2      |
|                     | NO <sub>x</sub> from burning oil and biofuels  |              | 67    | 72     | 73    | 73     | 67     |
|                     | NO <sub>x</sub> from burning gas   |              | 148   | 150    | 168   | 162    | 170    |

| GRI ref. | Indicator description                                 | Data assured | 2017  | 2016  | 2015  | 2014  | 2013  |
|----------|---|--------------|-------|-------|-------|-------|-------|
| 306-1    | Water discharge by quality and destination (kilotons) |              |       |       |       |       |       |
|          | Public sewer  |              | 3,039 | 4,200 | 3,100 | 3,000 | 3,600 |
|          | treated (percentage)                                  |              | 38%   | 21%   | 28%   | 30%   | 31%   |
|          | untreated (percentage)                                |              | 62%   | 79%   | 72%   | 70%   | 69%   |
|          | Recipient <sup>m</sup>                                |              | 444   | 4,500 | 2,600 | 2,900 | 2,300 |
|          | treated (percentage)                                  |              | 81%   | 15%   | 90%   | 90%   | 87%   |
|          | untreated (percentage)                                |              | 19%   | 85%   | 10%   | 10%   | 13%   |
|          | Hazardous treatment company                           |              | 45    | 300   | 360   | 400   | 500   |
|          | treated (percentage)                                  |              | 13%   | 71%   | 90%   | 75%   | 60%   |
|          | untreated (percentage)                                |              | 87%   | 29%   | 10%   | 25%   | 40%   |
|          | External use  |              | 0     | 0     | <100  | <100  | <100  |
|          | treated (percentage)                                  |              | -     | -     | 63%   | 50%   | 50%   |
|          | untreated (percentage)                                |              | -     | -     | 37%   | 50%   | 50%   |
| 306-2    | Waste (kilotons)                                      |              |       |       |       |       |       |
|          | Scrap metal recycled                                  | Ø            | 153   | 148   | 158   | 162   | 185   |
|          | Non-hazardous waste recycled <sup>c</sup>             | $\bigcirc$   | 61    | 53    | 53    | 49    | 52    |
|          | Non-hazardous waste sent for disposal <sup>c</sup>    | $\bigcirc$   | 36    | 37    | 44    | 44    | 50    |
|          | Hazardous waste recycled <sup>n</sup>                 | Ø            | 5     | 7     | 5     | 5     | 5     |
|          | Hazardous waste sent for disposal <sup>n</sup>        | Ø            | 8     | 8     | 10    | 13    | 9     |
|          | Total waste (generated)                               | Ø            | 263   | 254   | 270   | 273   | 301   |
| 306-3    | Numbers of significant spills°                        |              |       |       |       |       |       |
|          | Oil spills  |              | 19    | 17    | 11    | 7     | 13    |
|          | Chemical spills                                       |              | 10    | 6     | 1     | 0     | 0     |
|          | Emissions to air                                      |              | 3     | 6     | 11    | 3     | 3     |
|          | Others  |              | 12    | 9     | 0     | 0     | 4     |
|          | Total number of significant spills                    |              | 44    | 38    | 23    | 10    | 20    |

## Social

| GRI ref. | Indicator description  | Data assured | 2017    |     | 2016    |     | 2015    |     | 2014    |     | 2013    |     |
|----------|--|--------------|---------|-----|---------|-----|---------|-----|---------|-----|---------|-----|
| 401-1    | Total number and rates of new employee hires and employee turnover |              |         |     |         |     | ,       |     |         |     |         |     |
|          | Total workforce by region (ABB employees)                          |              |         |     |         |     |         |     |         |     |         |     |
|          | Europe   |              | 63,000  |     | 61,400  |     | 61,600  |     | 63,000  |     | 65,000  |     |
|          | The Americas   |              | 28,800  |     | 29,000  |     | 30,900  |     | 32,200  |     | 34,400  |     |
|          | Asia, Middle East and Africa                                       |              | 43,000  |     | 41,900  |     | 43,300  |     | 45,200  |     | 48,300  |     |
|          | Total  |              | 134,800 |     | 132,300 | 1   | 135,800 |     | 140,400 |     | 147,700 |     |
|          | Employee turnover  |              |         |     |         |     |         |     |         |     |         |     |
|          | Turnover of all employees <sup>p</sup>                             |              |         |     |         |     |         |     |         |     |         |     |
|          | Europe   |              | 7,105   | 11% | 6,063   | 10% | 5,891   | 9%  | 5,877   | 9%  | 5,387   | 9%  |
|          | The Americas   |              | 3,148   | 11% | 5,338   | 17% | 5,409   | 17% | 5,379   | 17% | 4,760   | 14% |
|          | Asia, Middle East and Africa                                       |              | 3,749   | 9%  | 4,430   | 11% | 4,946   | 12% | 5,701   | 13% | 5,534   | 13% |
|          | Total employee turnover: ABB Group                                 |              | 14,002  | 10% | 15,831  | 12% | 16,246  | 12% | 16,957  | 12% | 15,681  | 11% |
|          | Turnover of all female employees <sup>p</sup>                      |              |         |     |         |     |         |     |         |     |         |     |
|          | Europe   |              | 2,097   | 3%  | 1,571   | 2%  | 1,498   | 2%  | 1,370   | 2%  | 1,217   | 2%  |
|          | The Americas   |              | 940     | 3%  | 1,265   | 4%  | 1,418   | 5%  | 1,307   | 4%  | 1,026   | 3%  |
|          | Asia, Middle East and Africa                                       |              | 855     | 2%  | 882     | 2%  | 1,093   | 3%  | 1,311   | 6%  | 1,358   | 3%  |
|          | Total female employee turnover: ABB Group                          |              | 3,892   | 3%  | 3,718   | 3%  | 4,009   | 3%  | 3,882   | 3%  | 3,601   | 3%  |
|          | Employee hires   |              |         |     |         |     |         |     |         |     |         |     |
|          | Hires of all employees <sup>p</sup>                                |              |         |     |         |     |         |     |         |     |         |     |
|          | Europe   |              | 6,888   | 11% | 5,656   | 9%  | 5,672   | 9%  | 6,195   | 10% | 6,086   | 10% |
|          | The Americas   |              | 3,905   | 13% | 3,354   | 11% | 3,573   | 11% | 4,142   | 13% | 4,246   | 12% |
|          | Asia, Middle East and Africa                                       |              | 4,403   | 11% | 2,920   | 7%  | 3,777   | 9%  | 5,493   | 13% | 5,219   | 10% |
|          | Total employee hires: ABB Group                                    |              | 15,196  | 11% | 11,930  | 9%  | 13,022  | 10% | 15,830  | 12% | 15,551  | 11% |
|          | Hires of all female employees <sup>o</sup>                         |              |         |     |         |     |         |     |         |     |         |     |
|          | Europe   |              | 2,161   | 3%  | 1,681   | 3%  | 1,520   | 2%  | 1,597   | 3%  | 1,453   | 2%  |
|          | The Americas   |              | 1,030   | 3%  | 937     | 3%  | 769     | 2%  | 1,010   | 3%  | 971     | 3%  |
|          | Asia, Middle East and Africa                                       |              | 900     | 2%  | 586     | 1%  | 761     | 2%  | 1,308   | 3%  | 1,467   | 3%  |
|          | Total female employee hires: ABB Group                             |              | 4,091   | 3%  | 3,204   | 2%  | 3,050   | 2%  | 3,915   | 3%  | 3,891   | 3%  |

| GRI ref. | Indicator description  | Data assured | 2017    | 2016    | 2015    | 2014  | 2013 <sup>q</sup> |
|----------|--|--------------|---------|---------|---------|-------|-------------------|
| 403-2    | Occupational health and safety: Injuries, lost days, diseases and fatalities |              |         |         |         |       |                   |
|          | Employee work-related fatalities <sup>r, t</sup>                             | <b>V</b>     | 1       | 0       | 0       | 1     | 0                 |
|          | Incident rates   | <b>V</b>     | 0.00    | 0.00    | 0.00    | 0.00  | 0.00              |
|          | Employee business travel fatalities <sup>r, u</sup>                          | <b>②</b>     | 1       | 1       | 0       | 0     | 0                 |
|          | Incident rates   | $\checkmark$ | 0.00    | 0.00    | 0.00    | 0.00  | 0.00              |
|          | Contractor work-related fatalities <sup>r, t</sup>                           | $\checkmark$ | 2       | 5       | 2       | 2     | 7                 |
|          | Contractor business travel fatalities <sup>c, u</sup>                        | $\checkmark$ | 0       | 2       | 0       | 0     | 0                 |
|          | Members of the public fatalities'  | $\checkmark$ | 0       | 0       | 1       | 0     | 1                 |
|          | Employee total recordable incident number <sup>t,v</sup>                     | $\checkmark$ | 1,049   | 1,140   | 1,310   | 1,500 | 1,664             |
|          | Incident rates   | $\bigcirc$   | 0.73    | 0.79    | 0.87    | 0.99  | 1.09              |
|          | Contractor total recordable incident number t. v                             | $\bigcirc$   | 205     | 277     | 343     | 333   | 310               |
|          | Incident rates   | $\bigcirc$   | 0.52    | 0.70    | 0.80    | 0.78  | 0.75              |
|          | Employee lost time incident number <sup>t</sup>                              | $\bigcirc$   | 472     | 441     | 531     | 652   | 686               |
|          | Incident rates   | $\bigcirc$   | 0.33    | 0.30    | 0.36    | 0.43  | 0.47              |
|          | Contractor lost time incident number <sup>t</sup>                            | $\bigcirc$   | 95      | 118     | 163     | 200   | 158               |
|          | Incident rates   | $\bigcirc$   | 0.24    | 0.30    | 0.38    | 0.47  | 0.38              |
|          | Employee lost days due to industrial incidents <sup>™</sup>                  |              | 7,331   | 6,905   | 7,831   | 8,415 | 10,591            |
|          | Days lost rate <sup>s</sup>  |              | 5.11    | 4.78    | 5.26    | 5.52  | 7.75              |
|          | Employee occupational health diseases  | $\bigcirc$   | 35      | 65      | 46      | 17    | 10                |
|          | Employee occupational health disease rates                                   | $\bigcirc$   | 0.02    | 0.05    | 0.03    | 0.01  | 0.01              |
|          | Safety Observation Tours (SOT) conducted <sup>t</sup>                        | $\bigcirc$   | 182,265 | 178,473 | 139,124 | -     | _                 |
|          | SOT rate <sup>x</sup>  | $\bigcirc$   | 1.27    | 1.24    | 0.92    | -     | _                 |
|          | Hazards reported <sup>t</sup>  | $\bigcirc$   | 585,627 | 621,849 | 520,942 | -     | _                 |
|          | Hazards reporting rate <sup>x</sup>  | $\bigcirc$   | 4.08    | 4.31    | 3.51    | -     | -                 |
|          | Data by region   |              |         |         |         |       |                   |
|          | Employee work-related fatalities: ABB Group                                  | $\bigcirc$   | 1       | 0       | 0       | 1     | =                 |
|          | Europe   | $\checkmark$ | 0       | 0       | 0       | 0     | _                 |
|          | The Americas   | $\checkmark$ | 1       | 0       | 0       | 0     | -                 |
|          | Asia, Middle East and Africa   | $\checkmark$ | 0       | 0       | 0       | 1     | -                 |
|          | Employee business travel fatalities: ABB Group                               | Ø            | 1       | 1       | 0       | 0     | -                 |
|          | Europe   | Ø            | 0       | 0       | 0       | 0     | -                 |
|          | The Americas   | $\checkmark$ | 0       | 1       | 0       | 0     | -                 |
|          | Asia, Middle East and Africa   | $\bigcirc$   | 1       | 0       | 0       | 0     |                   |

| GRI ref. | Indicator description                                | Data assured | 2017 | 2016 | 2015 | 2014 | 2013 <sup>q</sup> |
|----------|--|--------------|------|------|------|------|-------------------|
|          | Contractor work-related fatalities: ABB Group        | (V)          | 2    | 5    | 2    | 2    | -                 |
|          | Europe   | $\bigcirc$   | 0    | 0    | 0    | 0    | -                 |
|          | The Americas   | $\bigcirc$   | 1    | 0    | 0    | 0    | -                 |
|          | Asia, Middle East and Africa                         | $\bigcirc$   | 1    | 5    | 2    | 2    | -                 |
|          | Contractor business travel fatalities: ABB Group     | $\bigcirc$   | 0    | 2    | 0    | 0    | -                 |
|          | Europe   | $\bigcirc$   | 0    | 0    | 0    | 0    | -                 |
|          | The Americas   | $\bigcirc$   | 0    | 2    | 0    | 0    | -                 |
|          | Asia, Middle East and Africa                         | $\checkmark$ | 0    | 0    | 0    | 0    | -                 |
|          | Employee total recordable incident rate: ABB Group   | $\bigcirc$   | 0.73 | 0.79 | 0.88 | 0.10 | -                 |
|          | Europe   | $\bigcirc$   | 0.86 | 0.96 | 1.02 | 1.16 | -                 |
|          | The Americas   | $\bigcirc$   | 1.17 | 1.18 | 1.40 | 1.57 | -                 |
|          | Asia, Middle East and Africa                         | $\bigcirc$   | 0.24 | 0.27 | 0.31 | 0.39 | -                 |
|          | Contractor total recordable incident rate: ABB Group | $\bigcirc$   | 0.52 | 0.70 | 0.80 | 0.78 | -                 |
|          | Europe   | $\bigcirc$   | 1.38 | 1.69 | 1.88 | 1.97 | -                 |
|          | The Americas   | $\bigcirc$   | 0.96 | 1.47 | 1.54 | 1.40 | -                 |
|          | Asia, Middle East and Africa                         | $\bigcirc$   | 0.24 | 0.35 | 0.37 | 0.35 | -                 |
|          | Employee lost time incident rate: ABB Group          | $\bigcirc$   | 0.33 | 0.30 | 0.36 | 0.43 | -                 |
|          | Europe   | $\bigcirc$   | 0.48 | 0.47 | 0.56 | 0.66 | -                 |
|          | The Americas   | $\bigcirc$   | 0.34 | 0.29 | 0.33 | 0.40 | -                 |
|          | Asia, Middle East and Africa                         | $\checkmark$ | 0.09 | 0.08 | 0.08 | 0.12 | -                 |
|          | Contractor lost time incident rate: ABB Group        | $\bigcirc$   | 0.24 | 0.30 | 0.38 | 0.47 | -                 |
|          | Europe   | $\bigcirc$   | 0.73 | 0.93 | 1.03 | 1.38 | -                 |
|          | The Americas   | $\bigcirc$   | 0.35 | 0.81 | 0.84 | 0.86 | -                 |
|          | Asia, Middle East and Africa                         | $\checkmark$ | 0.10 | 0.07 | 0.12 | 0.15 | -                 |
|          | Employee days lost rate: ABB Group                   |              | 5.11 | 4.78 | 5.26 | 5.52 | -                 |
|          | Europe   |              | 6.95 | 5.98 | 7.32 | 8.25 | -                 |
|          | The Americas   |              | 6.43 | 7.81 | 6.02 | 8.28 | -                 |
|          | Asia, Middle East and Africa                         |              | 1.49 | 0.99 | 1.74 | 1.72 | -                 |
|          | Employee occupational health disease rate: ABB Group | $\checkmark$ | 0.02 | 0.05 | 0.03 | 0.01 | -                 |
|          | Europe   | $\checkmark$ | 0.05 | 0.09 | 0.06 | 0.02 | -                 |
|          | The Americas   | $\checkmark$ | 0.00 | 0.02 | 0.02 | 0.03 | -                 |
|          | Asia, Middle East and Africa                         | $\checkmark$ | 0.00 | 0.05 | 0.00 | 0.00 | -                 |

| GRI ref. | Indicator description                          | Data assured | 2017  | 2016     | 2015     | 2014     | 2013 <sup>q</sup> |
|----------|--|--------------|-------|----------|----------|----------|-------------------|
|          | SOT rate: ABB Group                            | $\bigcirc$   | 1.27  | 1.24     | 0.92     | -        | -                 |
|          | Europe   | $\checkmark$ | 0.84  | 0.76     | 0.51     | -        | -                 |
|          | The Americas                                   | $\bigcirc$   | 1.71  | 1.87     | 1.41     | -        | -                 |
|          | Asia, Middle East and Africa                   | $\bigcirc$   | 1.61  | 1.53     | 1.17     | -        | -                 |
|          | Hazard rate: ABB Group                         | $\bigcirc$   | 4.08  | 4.31     | 3.51     | -        | -                 |
|          | Europe   | $\bigcirc$   | 3.37  | 3.65     | 2.67     | -        | -                 |
|          | The Americas                                   | $\bigcirc$   | 4.81  | 4.78     | 4.25     | -        | -                 |
|          | Asia, Middle East and Africa                   | $\bigcirc$   | 4.64  | 5.03     | 4.19     | -        | -                 |
| 406-1    | Non-discrimination                             |              |       |          |          |          |                   |
|          | Total number of incidents of discrimination    |              | 0     | 0        | 0        | 1        | 1                 |
|          | Total number of incidents of harassment        |              | 9     | 5        | 8        | 10       | 10                |
| 415-1    | Public policy                                  |              |       |          |          |          |                   |
|          | Financial and in-kind political contributions  |              | \$300 | \$10,400 | \$12,600 | \$13,000 | 0                 |
| 404-1    | Training and education                         |              |       |          |          |          |                   |
|          | Training per year per employee (average hours) |              |       |          |          |          |                   |
|          | Canada   |              | 19    | 18       | 30       | 20       | 18                |
|          | China  |              | 17    | 25       | 22       | 26       | 27                |
|          | Finland  |              | 13    | 15       | 17       | 19       | 18                |
|          | Germany  |              | 18    | 18       | 18       | 18       | 16                |
|          | India  |              | 5     | 3        | 2        | 12       | 12                |
|          | Italy  |              | 12    | 10       | 12       | 12       | 19                |
|          | Poland   |              | 20    | 12       | 10       | 11       | 12                |
|          | Sweden   |              | 12    | 10       | 10       | 12       | 12                |
|          | Switzerland                                    |              | 14    | 15       | 14       | 16       | 20                |
|          | US   |              | 24    | 24       | 27       | 32       | 28                |

| GRI ref. | Indicator description                     | Data assured | 2017 | 2016 | 2015 | 2014 | 2013 |
|----------|---|--------------|------|------|------|------|------|
| 405-1    | Diversity and equal opportunity           |              |      |      |      |      |      |
|          | Composition of governance bodies          |              |      |      |      |      |      |
|          | Board of Directors                        |              |      |      |      |      |      |
|          | Women in Board (percentage)               |              | 10%  | 18%  | 13%  | 13%  | 13%  |
|          | Age group diversity (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                   |              | 8    | 10   | 8    | 7    | 7    |
|          | Executive Committee                       |              |      |      |      |      |      |
|          | Women in Executive Committee (percentage) |              | 9%   | 9%   | 9%   | 9%   | 9%   |
|          | Age group diversity total (percentage)    |              |      |      |      |      |      |
|          | <30 years old                             |              | 0%   | 0%   | 0%   | 0%   | 0%   |
|          | 30–50 years old                           |              | 27%  | 18%  | 27%  | 36%  | 45%  |
|          | >50 years old                             |              | 73%  | 82%  | 73%  | 64%  | 55%  |
|          | Number of nationalities                   |              | 8    | 7    | 8    | 8    | 8    |
|          | Employees in senior and middle management |              |      |      |      |      |      |
|          | Women in senior and middle management     |              | 16%  | 18%  | 17%  | 15%  | 15%  |
|          | Men in senior and middle management       |              | 84%  | 82%  | 83%  | 85%  | 85%  |
|          | Total workforce (ABB employees)           |              |      |      |      |      |      |
|          | Women in total workforce                  |              | 23%  | 23%  | 23%  | 22%  | 22%  |
|          | Men in total workforce                    |              | 77%  | 77%  | 77%  | 78%  | 78%  |

- a Biofuels were reported as a separate category in 2017. Biofuel consumption, total energy used, and energy intensity have been restated for 2013–2016, since the use of biofuels was previously not reported at one of our large facilities.
- b Diesel consumption was reported separately for the first time in 2014.
- c Results for these indicators are based on reported data covering 93% of employees in 2017, 97% in 2016, 95% in 2015, 93% in 2014 and 88% in 2013, plus energy use per employee for the remaining employees pro rata. See the Approach to reporting section for more details.
- d Gas and electricity consumption and the associated greenhouse gas (GHG) emissions have been restated for 2013–2015, due to the correction of earlier conversion factor errors at one of our large facilities.
- ABB Sustainability Performance Reports prior to 2014 included calculated "losses at utilities" for district heat and purchased electricity consumption in total energy consumption. Those loss calculations have been removed.
- f Data for electricity sold was reported for the first time in 2014.
- g Data for reduction of energy consumption was reported for the first time in 2014.
- h See Approach to reporting chapter for more details on GHG emission calculation.
- i In 2015, we updated the factor used to convert SF<sub>6</sub> emissions to CO₂ equivalents to 22,800 kg CO₂e/kg SF<sub>6</sub>, as recommended by the UK Department of Energy & Climate

- Change in July 2014, and have applied that factor to  $\mathsf{SF}_6$  data reported for all years.
- 2017 data see Approach to reporting; 2013-2016 data was estimated.
- k The air travel indicator included data from ABB Bulgaria, Croatia, Greece, Kazakhstan and Romania for the first time in 2016 and from ABB China and Thomas & Betts for the first time in 2014.
- 1 Data for air travel is calculated using the emission factors published by the UK Department for Business, Energy & Industrial Strategy in its "2017 Government GHG Conversion Factors for Company Reporting – Methodology Paper for Emission Factors – Final Report."
- m Cooling water quality remains unchanged by its use at ABB and is discharged without treatment. Data for 2016 exceptionally included discharge of cooling water to recipient.
- n Hazardous waste as classified in the country where it is generated.
- O An environmental incident is regarded as significant if at least one of the following criteria applies to the incident: obligation to inform local authorities or a governmental agency about the incident and/or regulatory violation; inspection by an environmental agency results in a formal complaint; environmental Notice of Violation, a Consent Order or a Potential Responsible Party (PRP) notification; imposition of a penalty or fine; significant impact on an ecosystem; costs related to the incident exceed, or may exceed, \$10.000.
- p 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.
- q 2013 safety data from Thomas & Betts, a company acquired by ABB during 2012, does not include contractors.
- Fatalities also include deaths occurring within one year as a result of injuries sustained and commuting is excluded.
- 5 The number of recorded incidents multiplied by 200,000/total hours worked.
- t Data covers incidents that happened at workplace (ABB facility, customer site, project site)
- Incidents during air travel on business trips are excluded.
- Total recordable incidents include fatal, lost-time injuries, serious injuries, medical treatment injuries, occupational diseases and restricted workday cases.
- w Days lost are calendar days and are counted from the day after the incident.
- x Rate is calculated per employee.