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SUMMARY OF GRI INDICATORS

ABB Group Sustainability Indicators 2020

Environmental

GRI ref.	Indicator description	2020 data assured	2020	2019	2018	2017	2016	2015	2014	2013
	Hazardous materials¹									
	Phthalates (tons)	\bigcirc	107	102	99	106	191	878	258	21
	Brominated flame retardants (tons)	\bigcirc	-	0	0.0	0.0	0.0	0.0	1.9	2.9
	Organic lead in polymers (tons)	②	0.0	0.0	0.0	0.29	1.0	1.4	0.1	0.6
	Lead in other products (tons), e.g., backup batteries and counterweights in robots	⊘	2,196	2,316	2,686	2,548	3,321	1,684	1,884	2,601
	Cadmium in batteries (tons) ²	V	7	15	113.3	71.3	53.0	98.3	79.5	72.0
	Cadmium in lead alloy and other uses (tons)	\bigcirc	0.1	0.3	0.3	0.4	7.3	6.4	6.0	5.7
	Mercury in products (tons)	\bigcirc	-	0.001	0.001	0.001	0.002	0.007	0.071	0.012
	Mercury in instruments in ABB facilities (tons)	\bigcirc	0.01	0.0570	0.2150	0.2150	0.2380	0.2250	0.3200	0.3170
	Chlorinated volatile organic compounds (VOC- Cl) ³	\bigcirc	2	2	4	3	6	13	20	20
	SF ₆ insulation gas (inflow to ABB facilities) (tons) ⁴	Ø	241	1,211	1,286	1,425	1,653	1,658	1,483	1,438

GRI ref.	SF ₆ insulation gas (outf indicator cus tleseris)t(tom s) ⁴	2020 data assured	2030	2019	2019	2017	2046	12045	2066	2 01 3
	No. of transformers with PCB oil in ABB facilities	⊘	1	14	6	0	0	0	0	1
	No. of capacitors with PCB oil in ABB facilities	\oslash	_	89	0	0	0	0	0	60
302-1	Energy consumption (gigawatt-hours – GWh) ¹									
	Biofuels ⁵	\bigcirc	0.92	52.9	51.6	64.4	52	46	44	27
	Oil (11.63 MWh/ton)	\bigcirc	7.3	49.0	48.5	58.5	71	79	85	94
	Diesel (11.75 MWh/ton)	\bigcirc	3.5	4.4	4.8	5.8	9	8	11	0
	Coal (7.56 MWh/ton)	\bigcirc	_	0	0	0	0	0	0	4
	Gas ^{6,7}	\bigcirc	448	728	658	647	658	737	708	755
	District heat consumption ⁶	\bigcirc	125	208	201	209	198	181	198	251
	Electricity consumption ^{6,7}	\bigcirc	1,031	1,635	1,571	1,561	1,620	1,608	1,628	1,705
	Total energy used	\bigcirc	1,616	2,677	2,535	2,546	2,607	2,658	2,675	2,836
	Electricity sold	\bigcirc	2	2	2	5	2	1	2	n.a.
302-3	Energy intensity (MWh/million \$ sales) ¹	\oslash	62	72	72	74	77	75	67	68
303-1	Water withdrawal (kilotons) ¹									
	Purchased from water companies ⁶	\bigcirc	2,523	3,896	3,721	3,678	3,800	4,000	4,200	4,400
	Groundwater extracted by ABB	\bigcirc	576	2,066	2,499	2,726	2,300	3,200	3,100	3,200
	Surface water extracted by ABB	\bigcirc	109	2,406	2,561	2,849	3,000	2,400	2,800	2,700
	Collection of rainwater	\bigcirc	4.2	9.8	<100	<100	<100	<100	<100	<100
	Waste water from external source	\bigcirc	12.0	21.7	<100	<100	<100	<100	<100	<100
	Water withdrawal from areas of water stress ⁸	\bigcirc	1,268	2,711	2,778	2,694	2,730	2,993	2,951	3,157

	Total water withdrawal Indicator	2 07 0 data	3,224	8,401	8,827	9,280	9,100	9,700	10,100	10,300
603 -12∙f.		assured	2020	2019	2018	2017	2016	2015	2014	2013
	Volume of water reused and recycled (kilotons)		1,033	8,051	7,449	7,807	10,600	5,200	5,200	5,900
	As percentage of total water withdrawal (%)		25	96	84	84	116	54	51	57
emissio	ouse gas (GHG) nsº (kilotons ivalent)									
305-1	Scope 1 ¹									
	Use of energy ⁷	\bigcirc	94	162	148	149	155	173	170	180
	SF ₆ ¹⁰	\bigcirc	77	159	164	180	228	244	394	297
	Transport by own fleet ¹¹	\bigcirc	55	75	63	63	350	350	350	350
305-2	Scope 2 ¹									
	District heat consumption	\bigcirc	18	33	30	28	31	29	35	45
	Electricity consumption ⁷	Ø	318	569	597	606	614	684	682	680
	Total scope 1 and 2 GHG emissions	\bigcirc	561	998	1002	1,026	1,378	1,480	1,631	1,552
305-3	Scope 3 ¹									
	Air travel ^{12,13}	\bigcirc	55	148	138	150	164	158	171	134
	Waste generated in operations ¹⁴		17	12	-	_	-	_	_	
	Energy-related activities not in scope 1/2 ¹⁴		43	70	_	_	_	_	_	
	Purchased goods and services ¹⁴		4,751	4104	-	_	-	_	-	
	Employee commuting ¹⁴		187	249	_	_	-	_	-	
	Up- and downstream transportation ¹⁴		800	1150						
	Up- and downstream leased assets ¹³		273	219	_	_				
305-4	GHG emissions intensity (tons CO ₂ equivalents/million \$) ¹									
	Tons CO									

GRI ref.	equivalents per millid ndisates , sco deseription	2020 data assured	20 <u>20</u>	20 <u>1</u> 9	20 <u>2</u> 8	2037	201 <u>16</u>	204 <u>5</u>	2014	2013
305-7	Significant air emissions (tons) ¹									
	Volatile organic compounds (VOC) ¹⁵	\bigcirc	668	1,128	936	987	1,105	1,223	1,291	1,210
	Emissions of NO _x and SO _x (tons SO ₂ and NO ₂)									
	SO _x from burning coal		_	0	0	0	0	0	0	3
	SO _x from burning oil and biofuels		8	77	72	89	82	97	97	89
	NO _x from burning coal		-	0	0	0	0	0	0	2
	NO _x from burning oil and biofuels		6	57	54	67	72	73	73	67
	NO _x from burning gas		94	156	142	140	142	159	153	170
306-1	Water discharge by quality and destination (kilotons) ¹									
	Public sewer		2,018	3,591	3,649	3,039	4,200	3,100	3,000	3,600
	treated (percentage)		25%	36%	36%	38%	21%	28%	30%	31%
	untreated (percentage)		75%	64%	64%	62%	79%	72%	70%	69%
	Recipient ¹⁶		585	1,123	761	444	4,500	2,600	2,900	2,300
	treated (percentage)		29%	84%	90%	81%	15%	90%	90%	87%
	untreated (percentage)		71%	16%	10%	19%	85%	10%	10%	13%
	Hazardous treatment company		47	140	47	45	300	360	400	500
	treated (percentage)		45%	81%	47%	13%	71%	90%	75%	60%
	untreated (percentage)		55%	19%	53%	87%	29%	10%	25%	40%
	External use		0.01	0	1	0	0	<100	<100	<100
	treated (percentage)		0%	0%	100%	_	_	63%	50%	50%
	untreated (percentage)		100%	100%	_	_	_	37%	50%	50%

306-2	Waste (kilotons) ¹	2020 data	-							
GRI ref.	Scra description recycled	assured	2020 124	2019 167	2018 156	2017 153	2016 148	2015 158	2014 162	2013 185
	Non-hazardous waste recycled ⁶	⊘	35	61	62	61	53	53	49	52
	Non-hazardous waste sent for disposal ⁶	\bigcirc	24	41	37	36	37	44	44	50
	Hazardous waste recycled ¹⁷	\bigcirc	3	7	5	5	7	5	5	5
	Hazardous waste sent for disposal ¹⁷	⊘	5	7	6	8	8	10	13	9
	Total waste (generated)	\bigcirc	192	283	266	263	254	270	273	301
306-3	Numbers of significant spills ^{1,18}									
	Oil spills		-	9	15	19	17	11	7	13
	Chemical spills		5	4	9	10	6	1	0	0
	Emissions to air		_	6	5	3	6	11	3	3
	Others		_	7	14	12	9	0	0	4
	Total number of significant spills		5	26	43	44	38	23	10	20
4										Þ

Social

GRI ref.	Indicator description	2020 data assured	2020)	2019)	2018	3	2017	7	2016	5	201	i	2014	
401-1	Total number and rates of new employee hires and employee turnover ¹															
	Total workforce by region (ABB employees) ¹															
-	Europe		49,200		68,400		68,300		63,000		61,400		61,600		63,000	(
	The Americas		27,600		35,200		35,600		28,800		29,000		30,900		32,200	
	Asia, Middle East and Africa		28,800		40,800		42,700		43,000		41,900		43,300		45,200	4
	Total		105,600		144,400		146,600		134,800		132,300		135,800		140,400	1
	Employee turnover															
•	Turnover of all employees ¹⁹															
•	Europe		8,570	17%	9,732	14%	6,509	10%	7,105	11%	6,063	10%	5,891	9%	5,877	9%
	The Americas		3,849	14%	5,443	16%	3,986	11%	3,148	11%	5,338	17%	5,409	17%	5,379	17%
_	Asia, Middle East and Africa		4,252	15%	6,860	17%	5,127	12%	3,749	9%	4,430	11%	4,946	12%	5,701	13%
	Total employee turnover: ABB Group		16,671	16%	22,035	15%	15,622	11%	14,002	10%	15,831	12%	16,246	12%	16,957	12%
	Turnover of all female employees ¹⁹															
	Europe		3,038	6%	2,871	4%	2,053	3%	2,097	3%	1,571	2%	1,498	2%	1,370	2%
	The Americas		1,162	4%	1,553	4%	1,154	3%	940	3%	1,265	4%	1,418	5%	1,307	4%

ref.	Asia, Middle East and Africator Total semalton	2020 data assured	906 2020	3% _	1,399 201 9	3%	967 201 8	2%	855 201 7	2%	882 2016	2%	1,093 201 5	3%	1,311 201 4	6% •
iei.	employee	assureu	2020		2013	,	2010	•	2017		2010		2013	,	2014	•
	turnover: ABB Group		5,106	5%	5,823	4%	4,174	3%	3,892	3%	3,718	3%	4,009	3%	3,882	3%
	Employee hires		3,100	370	3,023	470	7,217	370	3,032	370	3,110	370	4,005	370	3,002	370
	Hires of all															
	employees ¹⁹		7,649	15%	11,560	17%	7,848	11%	6,888	11%	5,656	00/	F C72	00/	6,195	100/
	Europe The Americas		2,106	8%	4,221	12%	3,525	10%	3,905	13%	3,354	9% 11%	5,672 3,573	9% 11%	4,142	10%
•	Asia, Middle East		2,100	0 70	7,221	12 70	3,323	1070	3,303	1370	3,334	1170	3,313	11 /0	7,172	1370
	and Africa		4,209	14%	6,121	15%	5,281	12%	4,403	11%	2,920	7%	3,777	9%	5,493	13%
	Total employee															
•	hires: ABB Group Hires of all		13,964	13%	21,902	15%	16,654	11%	15,196	11%	11,930	9%	13,022	10%	15,830	12%
	female															
	employees ¹⁹															
	Europe		2,799	6%	3,898	6%	2,442	4%	2,161	3%	1,681	3%	1,520	2%	1,597	3%
•	The Americas Asia, Middle East		742	3%	1,357	4%	950	3%	1,030	3%	937	3%	769	2%	1,010	3%
	and Africa		1,006	3%	1,275	3%	1,076	3%	900	2%	586	1%	761	2%	1,308	3%
	Total female		,				,								,	
	employee hires:															
_	ABB Group		4,547	4%	6,530	4%	4,468	3%	4,091	3%	3,204	2%	3,050	2%	3,915	3%
9	Occupational health and															
	safety: Injuries,															
	lost days,															
	diseases and															
•	fatalities ¹ Employee work-															
	related															
	fatalities ^{20,22}	$-\underline{\Diamond}$	1		1		0		1		0		0		1	
	Incident rate ²¹	(\checkmark)	0		0.01		0.00		0.00		0.00		0.00		0.00	
•	Employee		U		0.01		0.00		0.00		0.00		0.00		0.00	
	business travel	$\langle \rangle$														
	fatalities ^{20,23}	$-\times$	0		0		1		1		1		0		0	
	Incident rate ²¹	(\checkmark)	0		0.00		0.00		0.00		0.00		0.00		0.00	
•	Contractor work-	$\overline{\Diamond}$														
	related fatalities ²²	\bigcirc	1		1		3		2		5		2		2	
	Contractor															
	business travel fatalities ^{20,23}	(√)	0		0		0		0		2		0		0	
	Members of the	$\overline{\sim}$														
	public fatalities ²⁰	(\lor)	0		0		0		0		0		1		0	
	Employee total															
	recordable incident															
	number ^{22,24}	\bigcirc	410		744		830		1,049		1,140		1,310		1,500	
		$\langle \rangle$														
	Injury rate ²¹ Contractor total	•	0.31		0.47		0.58		0.73		0.79		0.87		0.99	
	recordable															
	incident															
	number ^{22,24}	$ \overset{\circ}{\vee}$	100		149		203		205		277		343		333	
	Injury rate ²¹	(√)	0.46		0.46		0.58		0.52		0.70		0.80		0.78	
•	Employee lost															
	time incident	$\langle \gamma \rangle$														
	number ²²	$\overline{}$	197		372		386		472		441		531		652	
	Injury rate ²¹	$\langle \vee \rangle$	0.15		0.23		0.27		0.33		0.30		0.36		0.43	_
•	Contractor lost															
	time incident number ²²	$\langle \rangle$	5.0		00		07		05		110		100		200	
•	number	$-\times$	56		96		97		95		118		163		200	
	Injury rate ²¹	(\lor)	0.26		0.29		0.28		0.24		0.30		0.38		0.47	
	Employee lost				_		_	_	· <u> </u>	_	_		_	_	· <u> </u>	_
	days due to industrial															
	incidents ²⁷		2,014		6,757		6,650		7,331		6,905		7,831		8,415	_
	Days lost rate ²¹		1.5		4.26		4.63		5.11		4.78		5.26		5.52	
	Employee	~														
	occupational health illness ²²	(\lor)	5		16		30		35		65		46		17	
•	Employee		Ü													
	occupational	_														
	health illness rate ^{21,22}	$\langle \rangle$	0		0.01		0.02		0.03		0.05		0.03		0.01	
•	Sustainability	<u> </u>	0		0.01		0.02		0.02		0.05		0.03		0.01	
	Observation															
	Tours (SOT)	\bigcirc														
•	conducted ²⁶	$ \underline{\mathbb{Y}}$	74,266		83,859		144,738		182,265		178,473		139,124		_	
	SOT rate ^{26,28}	(\lor)	4.31		5.52		1.01		1.27		1.24		0.92		_	
•	Hazards	$\overline{\alpha}$														
	reported ²²	\bigcirc	270,985		336,747		389,733		585,627		621,849		520,942		_	
	Hazards	$\langle \rangle$											<u> </u>			
	reporting rate ²⁵	\cdot	2.06		2.12		2.72		4.08		4.31		3.51		_	

SRI ref.	Employee work- Indicator related ratalities: description assured	2020	2019	2018	2017	2016	2015	2014
	Europe		0	0	0	0	0	0
	The Americas	-	1	0	1	0	0	0
	Asia, Middle East							
	and Africa	_	0	0	0	0	0	1
	Employee							
	business travel							
	fatalities:		0				0	0
	ABB Group		0	0	0	0	0	0
	Europe		0	0	0	1	0	0
	The Americas Asia, Middle East		- 0	U	0	1	0	U
	and Africa	_	0	1	1	0	0	0
	Contractor work-			-		-		
	related fatalities:							
	ABB Group	-	1	3	2	5	2	2
	Europe	-	1	0	0	0	0	0
	The Americas	-	0	1	1	0	0	0
	Asia, Middle East							
	and Africa		0	2	1	5	2	2
	Contractor							
	business travel							
	fatalities:		_	^	•	2	•	^
	ABB Group	_	0	0	0	0	0	0
	Europe The Americas		0	0	0	2	0	0
	The Americas Asia, Middle East		U	U	U	۷	U	U
	and Africa		0	0	0	0	0	0
	Employee total	_	J	· ·	<u> </u>	· ·	<u> </u>	<u> </u>
	recordable injury							
	rate: ABB Group	_	0.47	0.58	0.73	0.79	0.88	0.10
	Europe	-	0.53	0.66	0.86	0.96	1.02	1.16
	The Americas	-	0.68	0.97	1.17	1.18	1.40	1.57
	Asia, Middle East							
	and Africa	-	0.16	0.19	0.24	0.27	0.31	0.39
	Contractor total							
	recordable injury							
	rate: ABB Group	_	0.456	0.58	0.52	0.70	0.80	0.78
	Europe	_	1.38	1.52	1.38	1.69	1.88	1.97
	The Americas	_	0.42	0.74	0.96	1.47	1.54	1.40
	Asia, Middle East		0.00	0.26	0.24	0.25	0.27	0.25
	and Africa		0.20	0.26	0.24	0.35	0.37	0.35
	Employee lost time injury rate:							
	ABB Group	_	0.23	0.27	0.33	0.30	0.36	0.43
	Europe	_	0.37	0.39	0.48	0.47	0.56	0.66
	The Americas	_	0.20	0.30	0.34	0.29	0.33	0.40
	Asia, Middle East		0.20	0.00	0.5 1	0.25	0.00	0.10
	and Africa	-	0.07	0.07	0.09	0.08	0.08	0.12
	Contractor lost							
	time injury rate:							
	ABB Group	-	0.29	0.28	0.24	0.30	0.38	0.47
	Europe	_	1.15	0.91	0.73	0.93	1.03	1.38
	The Americas		0.19	0.29	0.35	0.81	0.84	0.86
	Asia, Middle East			6.55	6.16	c ==	0.10	
	and Africa		0.07	0.08	0.10	0.07	0.12	0.15
	Employee days							
	lost rate: ABB Group	_	4.26	4.63	5.11	4.78	5.26	5.52
	Europe		5.95	6.19	6.95	5.98	7.32	8.25
	The Americas		4.20	6.46	6.43	7.81	6.02	8.28
	Asia, Middle East		7.20	0.40	0.70	1.01	J.UL	0.20
	and Africa	_	1.71	1.05	1.49	0.99	1.74	1.72
	Employee			2.00	2	2.00	2	2
	occupational							
	health disease							
	rate: ABB Group	_	0.01	0.02	0.02	0.05	0.03	0.01
	Europe	-	0.02	0.04	0.05	0.09	0.06	0.02
	The Americas	-	0.01	0.00	0.00	0.02	0.02	0.03
	Asia, Middle East							
	and Africa	_	0.00	0.01	0.00	0.05	0.00	0.00
	SOT rate:			4.64				
	ABB Group	-	5.52	1.01	1.27	1.24	0.92	
	Europe The Americas	-	5.34	0.92	0.84	0.76	0.51	-
	The Americas		6.14	1.09	1.71	1.87	1.41	
	Asia, Middle East		F 40	110	1.61	1 53	1 17	_
	and Africa Hazard rate:	_	5.40	1.10	1.61	1.53	1.17	
	ABB Group		2.12	2.72	4.08	4.31	3.51	=
	Europe		2.04	2.38	3.37	3.65	2.67	
	The Americas		1.61	2.66	4.81	4.78	4.25	
	Asia, Middle East		1.01	2.50	7.01	7.10	7.23	
	and Africa	_	2.82	3.28	4.64	5.03	4.19	_
6-1	Non-						**	
	discrimination ¹							
	Total number of		_		•			•

GRI ref.		2020 data assured	2920	2019	2048	2017	2016	2015	2014
15-1	Public policy ¹							·	
	Financial and in-								
	kind political		#14000	# 1 200	¢11 500	#200	* 10.100	¢12.500	# 12.000
4044	contributions		\$14,908	\$1,260	\$11,500	\$300	\$10,400	\$12,600	\$13,000
404-1	Training and education ¹								
	Training per year								
	per employee								
	(average hours)								
	China		14	17	16	17	25	22	26
	Finland		10	12	13	13	15	17	19
	Germany		10	18	18	18	18	18	18
						5		2	
	India		23	10	12		3		12
	Italy		10	16	16	12	10	12	12
	Mexico		347	7	134	98	15	16	23
	Poland	_	4	10	35	20	12	10	11
	Sweden		12	12	12	12	10	10	12
	Switzerland		13	12	14	14	15	14	16
	USA		16	16	16	24	24	27	32
104-3	Employees								
	receiving regular								
	performance and								
	career								
	development								
	reviews ^{1,29}								
	Top and senior								
	managers		94%	73%	89%	94%	92%	85%	87%
	Middle and lower								
	managers		92%	89%	93%	96%	94%	90%	91%
	Other employees		90%	89%	91%	91%	91%	87%	88%
	Total workforce		92%	89%	91%	91%	92%	87%	88%
405-1	Diversity and								
	equal								
	opportunity ¹								
	Composition of								
	governance								
	bodies								
	Board of				_			_	
	Directors								
	Women in Board								
	(percentage)		18%	18%	18%	10%	18%	13%	13%
	Age group					*	*	*	-
	diversity								
	(percentage)								
	<30 years								
	old		0%	0%	0%	0%	0%	0%	0%
	30–50								
	years old		9%	9%	18%	0%	0%	0%	0%
	>50 years								
	old		91%	91%	91%	100%	100%	100%	100%
	Number of								
	nationalities		9	7	7	8	10	8	7
	Executive				'	Ü	10		
	Committee								
	Women in								
	Executive								
	Committee								
	(percentage)		22%	16%	9%	9%	9%	9%	9%
			LL /0	1070	370	370	5 70	370	370
	Age group diversity total								
	(percentage)								
	<30 years		00/	00/	00/	00/	00/	00/	00/
	old 30.50		0%	0%	0%	0%	0%	0%	0%
	30–50		220/	00/	00/	270/	1007	270/	3604
	years old		33%	8%	0%	27%	18%	27%	36%
	>50 years		670/	0001	1000/	700/	000	700/	C 451
	old		67%	92%	100%	73%	82%	73%	64%
	Number of		_	_	•	•	-	•	_
	nationalities		6	8	8	8	7	8	8
	Employees in								
	senior and								
	middle								
	management ³⁰								
	Women in senior								
	and middle								
	management		20%	18%	17%	16%	18%	17%	15%
	Men in senior and								
	middle								
	management		80%	82%	83%	84%	82%	83%	85%
	Total workforce								
	(ABB employees)								
	Women in total								
			26%	24%	23%	23%	23%	23%	22%
	workforce								
	workforce Men in total		2070						

- 2 From 2018 we report all **2020**mium in batteries in one category. Data from 2013–2017 on cadmium in industrial and rechargeable batteries in the control of the control of
- 3 Emissions of chlorinated volatile organic compounds (VOC-CI) are included in the volatile organic compounds (VOC) reported in the line
- 4 Data on inflow and outflow of SF₆ insulation gas have been restated for 2017, due to an error in the reporting from one site.
- 5 Biofuels have been reported as a separate category since 2017. Biofuel consumption, total energy used, and energy intensity have been reported at one of our large facilities.
- 6 Results for these indicators are based on reported data covering 95% of employees in 2020, 93% in 2019, 94% in 2018, 93% in 2017, 97% 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 represent of the remaining employees pro rata. See the "Approach to represent of the remaining employees pro rata. See the "Approach to represent of the remaining employees pro rata. See the "Approach to represent of the remaining employees pro rata. See the "Approach to represent of the remaining employees pro rata. See the "Approach to represent of the remaining employees pro rata. See the "Approach to represent of the remaining employees pro rata. See the "Approach to represent of the remaining employees pro rata. See the "Approach to represent of the remaining employees pro rata. See the "Approach to represent of the remaining employees pro rata. See the "Approach to represent of the remaining employees pro rata. See the "Approach to represent of the remaining employees pro rata."
- 7 Gas and electricity consumption and the associated greenhouse gas (GHG) emissions have been restated for 2013–2017, due to the corr earlier conversion factor errors at one of our large facilities.
- 8 Water withdrawal from areas of water stress have been restated for 2013-2017, due to earlier errors in reporting of water for remediatio at two sites.
- 9 See "Approach to reporting" chapter for more details on GHG emission calculation.
- 10 In 2019, we updated the factor used to convert SF_6 emissions to CO_2 equivalents to 23,500 kg CO_2 e/kg SF_6 , as recommended by the IPCC (Fifth Assessment Report), and have applied that factor to SF_6 data reported for all years. SF_6 emissions for 2018 were restated from 15! to 164 kilotons due to a reporting error at a large manufacturing site.
- 11 Reported fleet emissions for 2020 and 2019 lag one year behind. For 2018 we used the same data as for 2017. For 2017 data see "Approare reporting"; 2013–2016 data was estimated.
- 12 The air travel indicator included data from ABB Bulgaria, Croatia, Greece, Kazakhstan and Romania for the first time in 2016 and from AB and Thomas & Betts for the first time in 2014.
- 13 Data for air travel is calculated using the emission factors published by the UK Department for Business, Energy & Industrial Strategy in Government GHG Conversion Factors for Company Reporting Methodology Paper for Emission Factors Final Report."
- 14 Calculated for the first time for 2019.
- 15 VOC emissions for 2018 were restated from 882 tons to 936 tons due to a reporting error at a large manufacturing site.
- 16 Cooling water quality remains unchanged by its use at ABB and is discharged without treatment. Data for 2016 exceptionally included dicooling water to recipient.
- 17 Hazardous waste as classified in the country where it is generated.
- 18 An environmental incident is regarded as significant if at least one of the following criteria applies to the incident: obligation to inform I authorities or a governmental agency about the incident and/or regulatory violation; inspection by an environmental agency results in a complaint; environmental Notice of Violation, a Consent Order or a Potential Responsible Party (PRP) notification; imposition of a penalt significant impact on an ecosystem; costs related to the incident exceed, or may exceed, \$10,000.
- 19 2020 data excludes PG. Includes part-time employees. Turnover rate calculated as number of ABB employees (full- and part-time) leaving the year/total number of ABB employees (full- and part-time) as at 31 December. For the purpose of this calculation, employees and extensive workforce who leave the organization voluntarily or involuntarily whether due to dismissal, retirement, end of fixed-term contract or deaservice or any other reason, are included. However, involuntary turnover arising out of divestments is excluded from the definition.
- 20 Fatalities include deaths occurring within one year as a result of injuries sustained and commuting is excluded.
- 21 Incident rates are according to the rate per 100 employees or per 200,000 contractor hours worked. For 2013, incident rates are per 1,00 employees / contractors.
- 22 Data covers incidents that happened at workplace (ABB facility, customer site, project site) and excludes incidents that occurred during travel.
- 23 Includes incidents during business travel by road. Air and rail travels are excluded.
- 24 Recordable incidents include fatal, lost time incidents, serious injury incidents, medical treatment injuries, occupational diseases and re workday cases.
- 25 Rate is calculated per employee.
- 26 SOT conducted by manager starting 2019, in previous years by employees. Sustainability Observation Tour starting 2019 and Safety Observation Tour previously.
- 27 Days lost are calendar days and are counted from the day after the incident.
- 28 Rate per manager starting in 2019 and per employee previously.
- $29 \ \ Eligible \ employees \ included \ in \ ABB \ HR \ system. \ Data \ covers \ previous \ year's \ cycle \ with \ completion \ by \ Q1 \ of \ the \ reporting \ year.$
- 30 This indicator focuses on senior and middle management and includes employees in hay grades 1 to 10. 2020 data excludes PG.

Related links

Progress towards targets

Target definition and methodology

Approach to sustainability reporting

DNV assurance statement

