

Q1-Q4 2019 power generation and capacity data

19 February 2020

RWE's electricity generation capacity as of 31 December

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Pro rata view	Renewa	ables	Pumped s batte	0	Ga	IS	Lign	ite	Hard	coal	Nucle	ar	Tota	al ²
MW	2019	2018	2019	2018	2019	2018	2019	2018	2019	2018	2019	2018	2019	2018
Lignite & Nuclear	7	7	-	-	400	400	10,255	10,255	-	-	2,770	2,281	13,459	12,970
European Power	670	331	2,336	2,336	13,317	13,450	-	-	3,977	7,210	-	-	20,643	23,670
of which	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Germany ¹	55	55	2,336	2,336	3,767	3,767	-	-	2,341	3,675	-	-	8,538	9,872
United Kingdom	55	55	-	-	6,676	6,676	-	-	-	1,560	-	-	7,035	8,595
Netherlands/Belgium	560	221	-	-	2,323	2,456	-	-	1,636	1,975	-	-	4,519	4,652
Turkey	-	-	-	-	551	551	-	-	-	-	-	-	551	551
innogy - continuing operations	3,599	3,530	-	-	-	-	-	-	-	-	-	-	3,599	3,530
Operations acquired from E.ON	5,647	-	30	-	-	-	-	-	-	-	-	-	5,677	-
RWE Group ²	9,923	3,868	2,368	2,337	13,717	13,850	10,255	10,255	3,977	7,210	2,770	2,281	43,380	40,171

¹ Including generation capacity not owned by RWE that we can deploy at our discretion on the basis of long-term use agreements. As of the end of 2019 it amounted to a net 2,986 MW (31 Dec 2018: 2,986 MW), including hard coal-fired power stations with a total capacity of 783 MW (31 Dec 2018: 783 MW).

² The total figures include capacity that is not stated in the individual line items (e.g. oil-fired power plants and generation assets in the Supply & Trading segment).

Accounting view	Renewa	ables	Pumped s batte	0	Ga	S	Lign	iite	Hard	coal	Nucl	ear	Tota	al ²
MW	2019	2018	2019	2018	2019	2018	2019	2018	2019	2018	2019	2018	2019	2018
Lignite & Nuclear	7	7	-	-	400	400	10,255	10,255	-	-	2,770	2,770	13,459	13,459
European Power	670	331	2,336	2,336	13,553	13,686	-	-	3,977	7,210	-	-	20,879	23,906
of which	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Germany ¹	55	55	2,336	2,336	3,767	3,767	-	-	2,341	3,675	-	-	8,538	9,872
United Kingdom	55	55	-	-	6,676	6,676	-	-	-	1,560	-	-	7,035	8,595
Netherlands/Belgium	560	221	-	-	2,323	2,456	-	-	1,636	1,975	-	-	4,519	4,652
Turkey	-	-	-	-	787	787	-	-	-	-	-		787	787
innogy - continuing operations	3,642	3,572	-	-	-		-	-	-	-	-	-	3,642	3,571
Operations acquired from E.ON	4,864	-	20	-	-	-	-	-	-	-	-	-	4,884	-
RWE Group ²	9,183	3,910	2,358	2,337	13,953	14,086	10,255	10,255	3,977	7,210	2,770	2,770	42,866	40,937

¹ Including generation capacity not owned by RWE that we can deploy at our discretion on the basis of long-term use agreements. As of the end of 2019 it amounted to a net 2,986 MW (31 Dec 2018: 2,986 MW), including hard coal-fired power stations with a total capacity of 783 MW (31 Dec 2018: 783 MW).

² The total figures include capacity that is not stated in the individual line items (e.g. oil-fired power plants and generation assets in the Supply & Trading segment).

RWE's electricity generation January - December (Q1-Q4)

	Renewa	ables	Pumped s batter	0	Gas	8	Ligni	te	Hard c	oal	Nucle	ar	Othe	er	Tota	al
Billion kWh	2019	2018	2019	2018	2019	2018	2019	2018	2019	2018	2019	2018	2019	2018	2019	2018
Lignite & Nuclear					0.2		48.3	67.2			21.2	21.8	0.4	0.2	70.1	89.2
of which	-	-	-	-	0.2	-	40.0	01.2	-	-	21.2	21.0	0.4	0.2	70.1	00.2
Germany	-	-	-	-	0.2	-	48.3	66.0	-	-	20.1	20.8	0.4	0.2	69.0	87.0
Netherlands	-	-	-	-		-			-	-	1.1	1.0			1.1	1.0
Hungary	-	-	-	-		-		1.2	-	-					-	1.2
European Power	2.2	1.1	1.8	2.1	50.6	47.2	-	-	14.2	27.4	-	-	0.1	0.2	68.9	78.0
of which																
Germany ¹	0.2	0.7	1.8	2.1	7.8	5.5	-	-	4.7	13.0	-		0.1	0.2	14.6	21.5
United Kingdom	0.4	0.4	-	-	33.5	33.2	-	-	0.7	0.5	-	-	-	-	34.6	34.1
Netherlands/Belgium	1.6	-	-	-	6.6	5.5	-	-	8.8	13.9	-	-	-	-	17.0	19.4
Turkey	-	-	-	-	2.7	3.0	-	-	-	-	-	-	-	-	2.7	3.0
innogy-continuing operations	9.7	8.8	-				-	-	-	-	-	-	-	-	9.7	8.8
Operations acquired from E.ON ²	4.5	-	-	-			-	-	-	-	-	-	-		4.5	-
RWE Group	16.4	9.9	1.8	2.1	50.8	47.2	48.3	67.2	14.2	27.4	21.2	21.8	0.5	0.4	153.2	176.0

¹ Including electricity from power plants not owned by RWE that we can deploy at our discretion on the basis of long-term agreements. In 2019, this amounted to 3.6 billion kWh (2018: 5.0 billion kWh) of which 1.5 billion kWh from hard coal (2018: 2.3 billion kWh).

² Includes renewables operations acquired from E.ON as of Closing I (18 Sep 2019). The minority stakes in the nuclear power plants Gundremmingen (25%) and Emsland (12.5%) have always been reported as part of the fully consolidated RWE figures within 'Lignite & Nuclear - Germany'.

- > Lignite: mainly lignite reserve (Niederaußem E (295 MW) and F (299 MW) since Q4 2018, Neurath C (292 MW) since Q4 2019), restrictions from Hambach mine, market price driven lower generation volumes and maintenance outages; disposal of Hungarian lignite power generator Mátra closed in Q1 2018
- > Hard coal Germany: mainly market price driven lower generation volumes; disposal of Bergkamen (contractually secured capacity; 720 MW) as of 1 January 2019; decommissioning of Gersteinwerk K2 (620 MW) as of 29 March 2019
- > Hard coal Netherlands: mainly market price driven lower generation volumes and lower technical availability; conversion of Amer hard coal plant to biomass co-firing (see below)
- > Gas: mainly margin related higher utilisation of gas plants; NL: disposal of Inesco (133 MW, Q1 2019)
- > Nuclear Germany: lower volumes due to longer maintenance outages
- > Renewables European Power Germany: TIWAG contract (160 MW) terminated as of 30 September 2018
- > Renewables European Power Netherlands: conversion of Amer hard coal plant to biomass co-firing (Q1-Q4 2019: 41% biomass co-firing)
- > Renewables innogy-continuing operations: higher volumes mainly due to new assets taken into operation and better weather conditions
- > Pumped storage Germany: lower volumes mainly due to maintenance outage at Vianden plant

PREVIEW

RWE's electricity generation October - December (Q4)

	Renewa	bles	Pumped st batteri	0	Gas	3	Ligni	te	Hard c	oal	Nucle	ar	Othe	er	Tota	d
Billion kWh	2019	2018	2019	2018	2019	2018	2019	2018	2019	2018	2019	2018	2019	2018	2019	2018
Lignite & Nuclear				_			12.9	14.8		_	6.0	6.1	0.3	0.1	19.2	21.0
of which	-	-	-		-		- 12.9	- 14.0	-		- 0.0	-	-	-	- 19.2	- 21.0
Germany	-	-	-	-	-	-	12.9	14.8	-	-	5.7	5.8	0.3	0.1	18.9	20.7
Netherlands	-	-	-	-	-	-	-	-	-	-	0.3	0.3	-	-	0.3	0.3
Hungary	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
European Power	1.0	0.2	0.5	0.5	13.8	13.1	-	-	3.9	7.1	-	-	0.1		19.3	20.9
of which	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Germany ¹	-	0.1	0.5	0.5	2.4	1.9	-	-	1.5	3.2	-	-	0.1	-	4.5	5.7
United Kingdom	0.1	0.1	-	-	8.5	9.0	-	-	0.3	0.1	-	-	-	-	8.9	9.2
Netherlands/Belgium	0.9	-	-	-	1.9	1.3	-	-	2.1	3.8	-	-	-		4.9	5.1
Turkey	-	-	-	-	1.0	0.9	-	-	-	-	-	-	-	-	1.0	0.9
innogy-continuing operations	2.9	2.5	-	-	-	-	-	-	-	-	-	-	-	-	2.9	2.5
Operations acquired from E.ON ²	4.0	-	-	-	-	-	-	-	-	-	-	-	-	-	4.0	-
RWE Group	7.9	2.7	0.5	0.5	13.8	13.1	12.9	14.8	3.9	7.1	6.0	6.1	0.4	0.1	45.4	44.4

¹ Including electricity from power plants not owned by RWE that we can deploy at our discretion on the basis of long-term agreements. In Q4 2019, this amounted to 1.1 billion kWh (Q4 2018: 1.2 billion kWh) of which 0.4 billion kWh from hard coal (Q4 2018: 0.6 billion kWh).

² Includes renewables operations acquired from E.ON as of Closing I (18 Sep 2019). The minority stakes in the nuclear power plants Gundremmingen (25%) and Emsland (12.5%) have always been reported as part of the fully consolidated RWE figures within 'Lignite & Nuclear - Germany'.

- > Lignite: mainly lignite reserve (Neurath C (292 MW) since Q4 2019), restrictions from Hambach mine, market price driven lower generation volumes and maintenance outages
- > Hard coal Germany: mainly market price driven lower generation volumes; disposal of Bergkamen (contractually secured capacity; 720 MW) as of 1 January 2019; decommissioning of Gersteinwerk K2 (620 MW) as of 29 March 2019
- > Hard coal Netherlands: mainly market price driven lower generation volumes and lower technical availability; conversion of Amer hard coal plant to biomass co-firing (see below)
- > Gas: mainly margin related higher utilisation of gas plants; NL: disposal of Inesco (133 MW, Q1 2019)
- > Renewables European Power Netherlands: conversion of Amer hard coal plant to biomass co-firing (Q4 2019: 59% biomass co-firing)
- > Renewables innogy-continuing operations: higher volumes mainly due to new assets taken into operation and better weather conditions

PREVIEW

RWE's <u>combined</u> renewables installed capacity¹

PREVIEW

Pro rata view										
31 December	Offsl wir		Onsl wi		So	lar	Oth	er ²	Tot	al
MW	2019	2018	2019	2018	2019	2018	2019	2018	2019	2018
Renewables	2,463	1,100	6,136	1,913	139	8	1,185	847	9,923	3,868
of which	2,400	1,100	0,100	1,010	100		1,100	041	0,020	0,000
Germany	851	340	582	547	3	2	416	416	1,852	1,305
United Kingdom	1,436	673	657	332	-	-	137	138	2,230	1,143
Netherlands	-	-	295	296	-	-	560	221	855	517
Poland	-	-	369	226	1	-	-	-	370	226
Spain	-	-	443	443	6	6	10	10	459	459
Italy	-	-	442	57	-	-	-	-	442	57
USA	-	-	3,227	-	129	-	-	-	3,356	-
Other countries	176	87	121	13		-	62	62	359	162

Accounting view

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31 December	Offsl wi		Onsl wi		So	lar	Oth	er ²	Tot	al
MW	2019	2018	2019	2018	2019	2018	2019	2018	2019	2018
Renewables	1,917	925	5,924	2,110	131	2	1,211	875	9,183	3,912
of which			,	ŕ					, i	,
Germany	597	295	666	628	3	2	441	441	1,707	1,366
United Kingdom	1,272	630	706	397	-	-	137	138	2,115	1,165
Netherlands	-	-	295	296	-	-	560	221	855	517
Poland	-	-	385	242	1	-	-	-	386	242
Spain	-	-	447	447	-	-	12	12	459	459
Italy	-	-	475	90	-	-	-	-	475	90
USA	-	-	2,824	-	127	-	-	-	2,951	-
Other countries	48	-	126	10			61	63	235	73

Rounding differences may occur.

¹ Combined renewables include innogy-continuing operations (renewables), operations acquired from E.ON (renewables) and RWE stand-alone renewables; operations acquired from E.ON as of Closing I (18 Sep 2019).

² Includes renewables generation from biomass and hydro.

RWE's pro forma combined renewables installed capacity¹

PREVIEW

Pro rata view										
31 December	Offsl wir		Onsl wii		So	lar	Oth	er ²	Tot	al
MW	2019	2018	2019	2018	2019	2018	2019	2018	2019	2018
Renewables	2,463	2,463	6,136	6,024	139	25	1,185	847	9,923	9,359
of which		-	-		-	-	-	-		
Germany	851	851	582	585	3	2	416	416	1,852	1,854
United Kingdom	1,436	1,436	657	598	-	-	137	138	2,230	2,172
Netherlands	-	-	295	289	-	-	560	221	855	510
Poland		-	369	369	1	-	-	-	370	369
Spain	-	-	443	443	6	6	10	10	459	459
Italy	-	-	442	385	-	-	-	-	442	385
United States of America	-	-	3,227	3,227	129	17	-	-	3,356	3,244
Other countries	176	176	121	128	-	-	62	62	359	366

Accounting view

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31 December	Offsl wii		Onsl wi		So	lar	Oth	er ²	Tot	tal
MW	2019	2018	2019	2018	2019	2018	2019	2018	2019	2018
Renewables	1,917	1,917	5,924	5,816	131	17	1,211	875	9,183	8,625
of which	-	-	-	-	-	-	-	-	-	-
Germany	597	597	666	666	3	2	441	441	1,707	1,706
United Kingdom	1,272	1,272	706	647	-	-	137	138	2,115	2,057
Netherlands	-	-	295	296	-	-	560	221	855	517
Poland	-	-	385	385	1	-	-	-	386	385
Spain	-	-	447	447	-	-	12	12	459	459
Italy	-	-	475	418	-	-	-	-	475	418
United States of America	-	-	2,824	2,824	127	15	-	-	2,951	2,839
Other countries	48	48	126	133	-	-	61	63	235	244

Rounding differences may occur.

¹ Combined renewables includes innogy-continuing operations (renewables), operations acquired from E.ON (renewables) as well as RWE stand-alone renewables. Pro forma figures of E.ON renewables as of Dec 2018.

² Includes renewables generation from biomass and hydro.

RWE's <u>combined</u> renewables electricity generation¹

PREVIEW

Jan - Dec (Q1 - Q4)	Offshore wind		Onsl wii		So	lar	Нус	dro	Bion	nass	Tot	al
Billion kWh	2019	2018	2019	2018	2019	2018	2019	2018	2019	2018	2019	2018
Renewables	5.1	3.5	7.9	3.8	0.1	0.0	2.1	2.4	2.0	0.4	17.1	10.1
of which					-			2.4	2.0	- 0.4		10.
Germany	1.5	0.9	0.9	0.8	0.0	0.0	1.7	2.0	0.0	0.0	4.2	3.
United Kingdom	3.2	2.3	1.2	0.8	-	-	0.2	0.2	0.4	0.4	5.0	3.
Netherlands	-	-	0.7	0.7	-	-	-	-	1.6	-	2.3	0.
Poland	-	-	0.7	0.5	0.0	-	-	-	-	-	0.7	0.
Spain	-	-	1.0	0.9	0.0	0.0	0.0	0.0	-	-	1.1	1.
Italy	-	-	0.3	0.1	-	-	-	-	-	-	0.3	0.
United States of America	-	-	2.9	-	0.0	-	-	-	-	-	2.8	
Other countries	0.4	0.3	0.1	0.0	0.0	-	0.2	0.1	-	-	0.6	0.4

Accounting view												
Jan - Dec (Q1 - Q4)	Offsl wi		Onsl wii		So	lar	Нус	dro	Bion	nass	Tot	tal
Billion kWh	2019	2018	2019	2018	2019	2018	2019	2018	2019	2018	2019	2018
Renewables	4.1	2.9	8.0	4.1	0.0	-	2.2	2.5	2.0	0.4	16.4	9.9
of which	-	-	-	-	-	-	-	-	-	-	-	
Germany	1.3	0.9	1.1	1.0	-	-	1.8	2.1	0.0	-	4.3	4.0
United Kingdom	2.8	2.0	1.3	0.8	-	-	0.2	0.2	0.4	0.4	4.6	3.4
Netherlands	-	-	0.7	0.7	-	-	-	-	1.6	-	2.3	0.7
Poland	-	-	0.7	0.5	-	-	-	-	-	-	0.7	0.5
Spain	-	-	1.1	0.9	-	-	0.0	0.0	-	-	1.1	0.9
Italy	-	-	0.4	0.2	-	-	-	-	-	-	0.4	0.2
United States of America	-	-	2.6	-	0.0	-	-	-	-	-	2.6	-
Other countries	0.1	-	0.1	-	-	-	0.1	0.1	-	-	0.2	0.1

Rounding differences may occur.

¹ Combined renewables includes innogy-continuing operations (renewables), operations acquired from E.ON (renewables) and RWE's other renewables; operations acquired from E.ON as of Closing I (18 Sep 2019).

RWE's <u>combined</u> renewables electricity generation¹

PREVIEW

Oct - Dec (Q4)	Offsl wi		Onsl wi		So	lar	Нус	dro	Bion	nass	To	tal
Billion kWh	2019	2018	2019	2018	2019	2018	2019	2018	2019	2018	2019	2018
D	0.4	0.5						0.4		0.4		
Renewables	2.4	2.5	4.4	4.1	0.0	0.0	0.7	0.4	0.9	0.1	8.4	7.1
of which	-	-	-	-	-	-	-	-		-	-	
Germany	0.8	0.8	0.3	0.3	0.0	0.0	0.5	0.3	0.0	0.0	1.6	1.3
United Kingdom	1.4	1.5	0.5	0.4	-	-	0.1	0.1	0.1	0.1	2.1	2.1
Netherlands	-	-	0.2	0.2	-	-	-	-	0.8	-	1.0	0.2
Poland	-	-	0.3	0.2	0.0	-	-	-	-	-	0.3	0.2
Spain	-	-	0.3	0.2	0.0	0.0	0.0	0.0	-	-	0.3	0.2
Italy	-	-	0.3	0.2	-	-	-	-	-	-	0.3	0.2
United States of America	-	-	2.5	2.4	0.0	0.0	-	-	-	-	2.5	2.4
Other countries	0.2	0.2	0.1	0.1	0.0	-	0.0	0.0	-	-	0.3	0.3

Accounting view												
Oct - Dec (Q4)	Offshore wind		Onshore wind		Solar		Hydro		Biomass		Total	
Billion kWh	2019	2018	2019	2018	2019	2018	2019	2018	2019	2018	2019	2018
Renewables	2.0	2.0	4.2	3.9	0.0	0.0	0.7	0.4	0.9	0.1	7.8	6.3
of which	-	-	-	-	-	-	-	-	-	-	-	-
Germany	0.6	0.7	0.3	0.3	-	-	0.6	0.3	-	-	1.6	1.3
United Kingdom	1.3	1.2	0.6	0.5	-	-	0.1	0.1	0.1	0.1	2.0	1.9
Netherlands	-	-	0.2	0.2	-	-	-	-	0.8	-	1.0	0.2
Poland	-	-	0.3	0.3	-	-	-	-	-	-	0.3	0.3
Spain	-	-	0.3	0.2	-	-	-	-	-	-	0.3	0.2
Italy	-	-	0.2	0.2	-	-	-	-	-	-	0.2	0.2
United States of America	-	-	2.2	2.1	0.0	0.0	-	-	-	-	2.2	2.1
Other countries	0.1	0.1	0.1	0.1	-	-	-	-	-	-	0.1	0.1

Rounding differences may occur.

¹ Combined renewables includes innogy-continuing operations (renewables), operations acquired from E.ON (renewables) and RWE's other renewables; operations acquired from E.ON as of Closing I (18 Sep 2019).

RWE's pro forma combined renewables electricity generation¹

PREVIEW

Pro rata view												
Jan - Dec (Q1 - Q4)	Offshore wind		Onshore wind		Solar		Hydro		Biomass		Total	
Billion kWh	2019	2018	2019	2018	2019	2018	2019	2018	2019	2018	2019	2018
Renewables	8.3	7.5	16.2	15.2	0.1	0.1	2.1	2.4	2.0	0.4	28.7	25.5
of which					-	-		4				
Germany	2.8	2.2	1.0	0.9	0.0	0.0	1.7	2.0	0.0	0.0	5.5	5.1
United Kingdom	4.8	4.7	1.7	1.4	-	-	0.2	0.2	0.4	0.4	7.1	6.7
Netherlands	-	-	0.7	0.7	-	-	-	-	1.6	-	2.3	0.7
Poland	-	-	0.9	0.8	0.0	-	-	-	-	-	0.9	0.8
Spain	-	-	1.0	0.9	0.0	0.0	0.0	0.0	-	-	1.1	1.0
Italy	-	-	0.8	0.8	-	-	-	-	-	-	0.8	0.8
United States of America	-	-	9.8	9.4	0.1	0.0	-	-	-	-	9.9	9.5
Other countries	0.6	0.6	0.3	0.3	0.0	-	0.2	0.1	-	-	1.1	1.0

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Jan - Dec (Q1 - Q4) Billion kWh	Offshore wind		Onshore wind		Solar		Hydro		Biomass		Total	
	2019	2018	2019	2018	2019	2018	2019	2018	2019	2018	2019	2018
Renewables	6.4	6.3	15.3	14.0	0.1	0.0	2.2	2.5	2.0	0.4	26.0	23.3
of which	-	-	-	-	-	-	-	-	-	-	-	-
Germany	2.1	2.0	1.2	1.1	-	-	1.8	2.1	0.0	-	5.1	5.2
United Kingdom	4.1	4.1	1.7	1.4	-	-	0.2	0.2	0.4	0.4	6.4	6.1
Netherlands	-	-	0.7	0.7	-	-	-	-	1.6	-	2.3	0.7
Poland	-	-	0.9	0.8	-	-	-	-	-	-	0.9	0.8
Spain	-	-	1.1	0.9	-	-	0.0	0.0	-	-	1.1	0.9
Italy	-	-	0.9	0.9	-	-	-	-	-	-	0.9	0.9
United States of America	-	-	8.5	8.1	0.1	0.0	-	-	-	-	8.6	8.1
Other countries	0.2	0.2	0.3	0.3	-	-	0.1	0.1	-	-	0.6	0.6

Rounding differences may occur.

¹ Combined renewables includes innogy-continuing operations (renewables), operations acquired from E.ON (renewables) as well as RWE's other renewables. Pro forma figures of E.ON renewables for fiscal year 2018 and as of 01.01.2019.

RWE's pro forma combined renewables electricity generation¹

PREVIEW

Oct - Dec (Q4) Billion kWh	Offs	hore	Onshore		So	lar	Hyd	dro	Biom	nass	Total	
	wi		wii				,					
	2019	2018	2019	2018	2019	2018	2019	2018	2019	2018	2019	2018
Renewables	2.4	2.5	4.4	4.1	0.0	0.0	0.7	0.4	0.9	0.1	8.4	7.1
of which	-	-	-	-	-	-	-	-	-	-	-	-
Germany	0.8	0.8	0.3	0.3	0.0	0.0	0.5	0.3	0.0	0.0	1.6	1.3
United Kingdom	1.4	1.5	0.5	0.4	-	-	0.1	0.1	0.1	0.1	2.1	2.1
Netherlands	-	-	0.2	0.2	-	-	-	-	0.8	-	1.0	0.2
Poland	-	-	0.3	0.2	0.0	-	-	-	-	-	0.3	0.2
Spain	-	-	0.3	0.2	0.0	0.0	0.0	0.0	-	-	0.3	0.2
Italy	-	-	0.3	0.2	-	-	-	-	-	-	0.3	0.2
United States of America	-	-	2.5	2.4	0.0	0.0	-	-	-	-	2.5	2.4
Other countries	0.2	0.2	0.1	0.1	0.0	-	0.0	0.0	-	-	0.3	0.3

	unting	VIDW
ACCO	unung	41044

Oct - Dec (Q4) Billion kWh	Offshore wind		Onshore wind		Solar		Hydro		Biomass		Total	
	2019	2018	2019	2018	2019	2018	2019	2018	2019	2018	2019	2018
Renewables	2.0	2.0	4.2	3.9	0.0	0.0	0.7	0.4	0.9	0.1	7.8	6.3
of which	2.0	2.0	4.2	5.5	0.0	0.0	0.7	0.4	0.5	0.1	7.0	0.5
Germany	0.6	0.7	0.3	0.3			0.6	0.3			1.6	1.3
					-	-			-			
United Kingdom	1.3	1.2	0.6	0.5	-	-	0.1	0.1	0.1	0.1	2.0	1.9
Netherlands	-	-	0.2	0.2	-	-	-	-	0.8	-	1.0	0.2
Poland	-	-	0.3	0.3	-	-	-	-	-	-	0.3	0.3
Spain	-	-	0.3	0.2	-	-	-	-	-	-	0.3	0.2
Italy	-	-	0.2	0.2	-	-	-	-	-	-	0.2	0.2
United States of America	-	-	2.2	2.1	0.0	0.0	-	-	-	-	2.2	2.1
Other countries	0.1	0.1	0.1	0.1	-	-	-	-	-	-	0.1	0.1

Rounding differences may occur.

¹ Combined renewables includes innogy-continuing operations (renewables), operations acquired from E.ON (renewables) as well as RWE's other renewables. Pro forma figures of E.ON renewables for fiscal year 2018 and as of 01.01.2019.