



IBERDROLA / IBE-WATCH FACT SHEET H1 2019

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IBERDROLA: Net Electricity Production (provisional)

TOTAL GROUP	April - June 2019		
	GWh	% Weight	vs 2018
Renewables	14,252	39%	-13.0%
Onshore wind	8,801	24%	1.5%
Offshore wind	382	1%	18.5%
Hydro	4,566	13%	-34.9%
Mini-hydro	173	0%	-29.0%
Solar and other	330	1%	164.4%
Nuclear	5,971	16%	18.4%
Gas Combined Cycle	14,310	39%	15.8%
Cogeneration	1,872	5%	13.5%
Coal	0	0%	-100%
TOTAL	36,404	100%	2.4%

	Year 2019		
	GWh	% Weight	vs 2018
Renewables	31,371	41%	-10.7%
Onshore wind	18,611	25%	-6.9%
Offshore wind	1,024	1%	40.6%
Hydro	10,790	14%	-21.8%
Mini-hydro	366	0%	-9.2%
Solar and other	580	1%	193.6%
Nuclear	12,375	16%	12.3%
Gas Combined Cycle	27,337	36%	7.4%
Cogeneration	4,166	6%	23.2%
Coal	349	0%	-40.4%
TOTAL	75,599	100%	0.0%

SPAIN	April - June 2019		
	GWh	% Weight	vs 2018
Renewables	4,682	34%	-33.1%
Onshore wind	2,908	21%	20.6%
Hydro	1,601	12%	-63.0%
Mini-hydro	173	1%	-29.0%
Solar and other	0	0%	-99.7%
Nuclear	5,971	44%	18.4%
Gas Combined Cycle	2,417	18%	343.9%
Cogeneration	646	5%	0.8%
Coal	0	0%	-100%
TOTAL	13,715	100%	2.7%
Hydro Reservoir levels at 30/06/19	44% (4,987 GWh)		

	Year 2019		
	GWh	% Weight	vs 2018
Renewables	10,933	38%	-27.6%
Onshore wind	6,252	22%	-8.3%
Hydro	4,315	15%	-45.1%
Mini-hydro	366	1%	-9.2%
Solar and other	0	0%	-99.6%
Nuclear	12,375	43%	12.3%
Gas Combined Cycle	3,849	13%	153.2%
Cogeneration	1,323	5%	8.5%
Coal	349	1%	-40.4%
TOTAL	28,830	100%	-2.1%

UK	April - June 2019		
	GWh	% Weight	vs 2018
Renewables	632	100%	-36.6%
Onshore wind	527	83%	-33.1%
Offshore wind	105	17%	-13.5%
Hydro	0	0%	-100%
Gas Combined Cycle	0	0%	-100%
TOTAL	632	100%	-75.4%

	Year 2019		
	GWh	% Weight	vs 2018
Renewables	2,152	100%	-19.8%
Onshore wind	1,823	85%	-10.5%
Offshore wind	329	15%	-10.1%
Hydro	0	0%	-100%
Gas Combined Cycle	0	0%	-100%
TOTAL	2,152	100%	-66.9%

US	April - June 2019		
	GWh	% Weight	vs 2018
Renewables	4,701	90%	-0.7%
Onshore wind	4,536	87%	-0.3%
Hydro	55	1%	-30.2%
Solar and other	110	2%	4.3%
Gas Combined Cycle	0	0%	-73.8%
Cogeneration	518	10%	73.7%
TOTAL	5,220	100%	3.7%

	Year 2019		
	GWh	% Weight	vs 2018
Renewables	8,923	86%	-6.1%
Onshore wind	8,633	83%	-5.9%
Hydro	112	1%	-30.8%
Solar and other	178	2%	4.1%
Gas Combined Cycle	1	0%	-78.6%
Cogeneration	1,475	14%	84.8%
TOTAL	10,399	100%	0.9%

*100% Avangrid Inc. (81.5% owned by Iberdrola S.A.)

MEXICO	April - June 2019		
	GWh	% Weight	vs 2018
Renewables	363	3%	120.2%
Onshore wind	146	1%	-11.6%
Solar and other	218	2%	N/A
Gas Combined Cycle	11,501	91%	24.1%
Cogeneration	708	6%	-0.3%
TOTAL	12,572	100%	24.0%

	Year 2019		
	GWh	% Weight	vs 2018
Renewables	850	3%	68.9%
Onshore wind	452	2%	-10.2%
Solar and other	398	2%	N/A
Gas Combined Cycle	22,404	91%	24.5%
Cogeneration	1,369	6%	0.2%
TOTAL	24,623	100%	23.9%

BRAZIL	April - June 2019		
	GWh	% Weight	vs 2018
Renewables	3,299	89%	9.7%
Onshore wind	388	11%	-20.2%
Hydro	2,911	79%	15.5%
Gas Combined Cycle	392	11%	-59.8%
TOTAL	3,690	100%	-7.3%

	Year 2019		
	GWh	% Weight	vs 2018
Renewables	7,110	87%	12.1%
Onshore wind	747	9%	-10.0%
Hydro	6,363	78%	15.5%
Gas Combined Cycle	1,083	13%	-48.6%
TOTAL	8,192	100%	-3.0%

*100% Neoenergia, 50% + 1 share owned by Iberdrola S.A. (before 52.45%)

IEI*	April - June 2019		
	GWh	% Weight	vs 2018
Renewables	575	100%	21.6%
Onshore wind	296	51%	9.7%
Offshore wind	277	48%	37.9%
Solar and other	2	0%	-16.1%
TOTAL	575	100%	21.6%

	Year 2019		
	GWh	% Weight	vs 2018
Renewables	1,403	100%	40.4%
Onshore wind	704	50%	11.3%
Offshore wind	695	50%	91.7%
Solar and other	4	0%	3.0%
TOTAL	1,403	100%	40.4%

*Iberdrola Energia Internacional, formerly RoW

IBERDROLA: Installed Capacity (Provisional)

TOTAL GROUP	June 2019	
	MW	% Weight
Renewables	30,362	62%
Onshore wind	16,422	34%
Offshore wind	572	1%
Hydro	12,620	26%
Mini-hydro	306	1%
Solar and other	442	1%
Nuclear	3,177	7%
Gas Combined Cycle	12,885	26%
Cogeneration	1,335	3%
Coal	874	2%
TOTAL	48,632	100%

June 2018	
MW	% Weight
29,479	60%
15,541	32%
544	1%
12,635	26%
303	1%
455	1%
3,177	7%
14,007	29%
1,335	3%
874	2%
48,871	100%

SPAIN	June 2019	
	MW	% Weight
Renewables	15,828	61%
Onshore wind	5,770	22%
Hydro	9,715	37%
Mini-hydro	306	1%
Solar and other	37	0%
Nuclear	3,177	12%
Gas Combined Cycle	5,695	22%
Cogeneration	353	1%
Coal	874	3%
TOTAL	25,926	100%

June 2018	
MW	% Weight
15,821	61%
5,752	22%
9,715	37%
303	1%
50	0%
3,177	12%
5,695	22%
353	1%
874	3%
25,919	100%

UK	MW		% Weight
Renewables	2,128	100%	
Onshore wind	1,906	90%	
Offshore wind	222	10%	
Hydro	0	0%	
Gas Combined Cycle	0	0%	
TOTAL	2,128	100%	

MW		% Weight
2,666	57%	
1,906	41%	
194	4%	
566	12%	
2,000	43%	
4,666	100%	

USA	MW		% Weight
Renewables	7,335	90%	
Onshore wind	7,087	87%	
Hydro	118	1%	
Solar and other	129	2%	
Gas Combined Cycle	212	3%	
Cogeneration	636	8%	
TOTAL	8,183	100%	

MW		% Weight
6,631	89%	
6,385	85%	
118	2%	
128	2%	
212	3%	
636	9%	
7,479	100%	

*100% Avangrid Inc. (81.5% owned by Iberdrola S.A.)

MEXICO	MW		% Weight
Renewables	807	11%	
Onshore wind	537	7%	
Solar and other	270	4%	
Gas Combined Cycle	6,446	85%	
Cogeneration	346	5%	
TOTAL	7,599	100%	

MW		% Weight
648	10%	
378	6%	
270	4%	
5,568	85%	
346	5%	
6,562	100%	

BRAZIL	MW		% Weight
Renewables	3,302	86%	
Onshore wind	516	13%	
Hydro	2,786	73%	
Gas Combined Cycle	533	14%	
TOTAL	3,835	100%	

MW		% Weight
2,751	84%	
516	16%	
2,236	68%	
533	16%	
3,284	100%	

*100% Neoennergia, 50% + 1 share owned by Iberdrola S.A. (before 52.45%)

IEI*	MW		% Weight
Renewables	961	100%	
Onshore wind	605	63%	
Offshore wind	350	36%	
Solar and other	6	1%	
TOTAL	961	100%	

MW		% Weight
961	100%	
605	63%	
350	36%	
6	1%	
961	100%	

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IBERDROLA: Distributed Energy (Provisional)

ELECTRICITY	April - June 2019		Year 2019	
	GWh	vs 2018	GWh	vs 2018
Spain	22,500	0.2%	46,487	-0.6%
UK	7,821	-1.8%	17,077	-4.1%
USA ⁽¹⁾	8,661	-4.4%	18,687	-1.9%
Brazil ⁽²⁾	16,606	5.4%	34,012	5.2%
Total Electricity	55,588	0.7%	116,263	0.3%
GAS				
USA	10,464	-9.9%	37,651	0.7%
Total Gas	10,464	-9.9%	37,651	0.7%

(1) 100% Avangrid Inc. (81.5% owned by Iberdrola S.A.)

(2) 100% Neoenergia, 50% + 1 share owned by Iberdrola S.A. (before 52.45%)

IBERDROLA: Emissions (Provisional)

	H1 2019	H1 2018
C02 emissions over the period (gr. CO2 /KWh): Total	158	149
C02 emissions over the period (gr. CO2 /KWh): Spain	87	65
C02 emissions over the period (gr. CO2 /KWh): UK	0	229
C02 emissions over the period (gr. CO2 /KWh): USA	56	31
C02 emissions over the period (gr. CO2 /KWh): Brazil	37	70
C02 emissions over the period (gr. CO2 /KWh): Mexico	349	352
Emission-free production: Total (GWh)	43,747	46,149
Emission-free production: Spain (GWh)	23,309	26,118
Ratio emission-free production to total production: Total (%)	58%	61%
Ratio emission-free production to total production: Spain (%)	81%	89%
Emission-free installed capacity: Total (MW)	33,538	32,177
Emission-free installed capacity: Spain (MW)	19,004	18,997
Emission-free installed capacity: Total (%)	69%	66%
Emission-free installed capacity: Spain (%)	73%	73%
Ratio high-emission technologies production: Total (%)	0%	1%
Ratio low-emission technologies production: Total (%)	42%	38%

Sustainability

	Ranking
Dow Jones Sustainability World Index 2018	Selected in the utility sector. Iberdrola member in all editions
Sustainability Yearbook ROBECOSAM 2018	Classified as "Silver Class" in the electricity sector.
MSCI Global Sustainability Index Series	Iberdrola selected AAA
CDP Climate Change 2018	A-
Global 100	Iberdrola Selected
Sustainalytics	Iberdrola among the highest rated utilities
ISS-oekom	Iberdrola selected Prime
FTSE4Good	Selected for 10 years
Bloomberg Equality Index 2019	Iberdrola selected
Euronext Vigeo Eiris index: World 120, Eurozone 120 & Europe 120	Iberdrola selected
Ecovadis	Iberdrola as one of the companies with the best performance
2019 World's Most Ethical Company	Iberdrola selected. Only Spanish utility
ECPI	Iberdrola lected in several Sustainability Indices
Stoxx Global ESG Leaders/Eurostoxx Sustainability 40/Eurostoxx ESG Leaders 50	Iberdrola selected
EcoAct	Iberdrola first utility in the ranking
Influence Map	Iberdrola selected
MERCO 2019	mercoEmpresas: Leader among Spanish utilities: energy, gas, and water industry
Newsweek and Green Rankings	Iberdrola fifth utility worldwide
Energy Intelligence	Iberdrola among the top three utilities in the EI New Green Utilities Report 2018
Forbes	Iberdrola selected in Forbes 2019: GLOBAL World's Largest Public Companies 2000
ET Carbon Rankings	Iberdrola selected
Fortune Global 500	Iberdrola selected

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