IRENA
International Renewable Energy Agency

RENEWABLE CAPACITY STATISTICS 2026

STATISTIQUES DE CAPACITÉ RENOUVELABLE 2026

ESTADÍSTICAS DE CAPACIDAD RENOVABLE 2026

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The International Renewable Energy Agency (IRENA) is an intergovernmental organisation that supports countries in their transition to a sustainable energy future, and serves as the principal platform for international co-operation, a centre of excellence, and a repository of policy, technology, resource and financial knowledge on renewable energy. IRENA promotes the widespread adoption and sustainable use of all forms of renewable energy, including bioenergy, geothermal, hydropower, ocean, solar and wind energy, in the pursuit of sustainable development, energy access, energy security and low-carbon economic growth and prosperity. www.irena.org

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FOREWORD



This *Renewable capacity statistics 2026* highlights the continued progress made in the global energy transition, illustrating the growth of renewables in newly installed power generation capacity in 2025.

By the end of 2025, renewables accounted for 49% of global installed power capacity, and comprised 85.6% of annual global power additions, largely due to significant growth in solar and wind power.

This impressive, consistent growth reflects the strength of the economic case for the energy transition; the competitiveness and resilience of renewable power have pushed additions to new records almost every year since the turn of the millennium.

Yet, as we draw closer to a world in which renewable energy accounts for half of total capacity, many energy planning questions still need to be addressed to establish renewables as the most significant source of electricity generation, including in the context of grid flexibility and adaptation to variable renewable power.

Continuing the trend reported in recent years, 2025 saw the largest increase in renewable energy capacity to date – with the addition of 692 gigawatts (GW) of renewable capacity – expanding the stock of renewable power by 15.5%. Solar power alone accounted for nearly three-quarters of renewable additions, with a record 510 GW added during the year; while 159 GW of wind energy was added.

However, significant disparities remain in deployment. China, the United States and the European Union together account for 550 GW (or 79.5%) of the new renewable capacity installed in 2025; Africa accounted for 11.3 GW (or 1.6%). Despite their capacity growing by 19.6% during the year, small island developing states, with a combined renewable energy capacity of 11 GW, comprise just 0.2% of the worldwide total.

Africa recorded its highest capacity increase in 2025, rising by 15.9% to reach a total of 82 GW, driven by Ethiopia, South Africa and Egypt. Another region that experienced its largest annual growth is the Middle East, which increased by 28.9%, led by Saudi Arabia.

Looking ahead, we need to see a much faster pace of growth in the stock of renewable power plants and distributed electricity generation around the world. This report is a valuable resource for tracking progress in this regard, and a reminder of the work that lies ahead to achieve a just, inclusive and sustainable future for all.



Francesco La Camera
Director-General
International Renewable Energy Agency

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The renewable power capacity data shown in these tables represents the maximum net generating capacity of power plants and other installations that use renewable energy sources to produce electricity. For most countries and technologies, the data reflects the capacity installed and connected at the end of the calendar year. The data is presented in megawatts (MW) rounded to the nearest one megawatt, with figures between zero and 0.5MW shown as a 0.

Data has been obtained from a variety of sources, including the IRENA questionnaire, official statistics, industry association reports, and other reports and news articles. Numbers followed by the letter “o” are figures that have been obtained from official sources such as national statistical offices, government departments, regulators and power companies. The letter “u” follows figures that have been obtained from unofficial sources, such as industry associations and news articles. The letter “e” follows figures that have been estimated by IRENA from a variety of different data sources.

Data are available for download at www.irena.org/statistics. Technologies are classified according to the IRENA Energy taxonomy.

NOTES À PROPOS DES TABLEAUX

Les données sur les capacités électriques renouvelables présentées dans ces tableaux représentent la capacité maximale nette de génération des centrales électriques et autres installations utilisant des sources d'énergie renouvelables pour produire de l'électricité. Pour la plupart des pays et technologies, les données reflètent la capacité installée et connectée à la fin de l'année civile. Les données sont exprimées en mégawatts (MW) arrondies à l'unité la plus proche ; les valeurs inférieures à 0,5 MW apparaissent comme 0.

Les données proviennent de sources multiples, y compris le questionnaire IRENA, les statistiques officielles, des rapports d'associations de l'industrie, et d'autres rapports et articles de presse. Les valeurs suivies de la lettre "o" ont été obtenues à partir de sources officielles (par exemple instituts statistiques nationaux, agences gouvernementales, régulateurs, compagnies d'électricité). La lettre "u" correspond à des valeurs venant de sources non officielles comme des rapports d'associations de l'industrie ou des articles de journaux. La lettre "e" correspond à des valeurs qui ont été estimées par l'IRENA à partir de sources diverses.

Les données sont téléchargeables sur le site www.irena.org/statistics. Les technologies sont classées selon la taxonomie de l'énergie de l'IRENA.

NOTAS A LAS TABLAS

Los datos de capacidad de generación eléctrica con energías renovables que se muestran en estas tablas representan la capacidad máxima de generación neta de las centrales eléctricas y otras instalaciones que utilizan fuentes de energías renovables para producir electricidad. Para la mayoría de los países y las tecnologías, los datos reflejan la capacidad instalada y conectada al final del año natural. Los datos se presentan en megavatios (MW) redondeados al megavatio entero más cercano, con cifras entre cero y 0,5 MW representadas como un 0.

Los datos se han obtenido a partir de una variedad de fuentes, incluyendo el cuestionario de IRENA, estadísticas oficiales, informes de las asociaciones industriales, y otros informes y artículos de noticias. Los números acompañados de la letra "o" son cifras que se han obtenido a partir de fuentes oficiales, como oficinas nacionales de estadística, departamentos gubernamentales, reguladores y compañías eléctricas. La letra "u" acompaña a cifras que se han obtenido a partir de fuentes no oficiales, tales como asociaciones industriales y artículos de noticias. La letra "e" acompaña a números que han sido estimados por IRENA a partir de diversas fuentes de datos.

Los datos están disponibles para su descarga en www.irena.org/statistics. Las tecnologías son clasificadas de acuerdo a la taxonomía energética de IRENA.

COUNTRIES, AREAS AND REGIONS SHOWN IN THE TABLES
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PAÍSES, ZONAS Y REGIONES MOSTRADAS EN LAS TABLAS

Label/En-tête/Rótulo	English	Français	Español
WORLD	WORLD	MONDE	MUNDO
AFRICA	AFRICA	AFRIQUE	ÁFRICA
Algeria	Algeria	Algérie	Argelia
Angola	Angola	Angola	Angola
Benin	Benin	Bénin	Benín
Botswana	Botswana	Botswana	Botsuana
Burkina Faso	Burkina Faso	Burkina Faso	Burkina Faso
Burundi	Burundi	Burundi	Burundi
Cabo Verde	Cabo Verde	Cabo Verde	Cabo Verde
Cameroon	Cameroon	Cameroun	Camerún
Cent Afr Rep	Central African Republic	République centrafricaine	República Centroafricana
Chad	Chad	Tchad	Chad
Comoros	Comoros	Comores	Comoras
Congo DR	Democratic Republic of the Congo	République démocratique du Congo	República Democrática del Congo
Congo Rep	Congo	Congo	República del Congo
Cote d Ivoire	Côte d'Ivoire	Côte d'Ivoire	Côte d'Ivoire
Djibouti	Djibouti	Djibouti	Djibouti
Egypt	Egypt	Égypte	Egipto
Eq Guinea	Equatorial Guinea	Guinée équatoriale	Guinea Ecuatorial
Eritrea	Eritrea	Érythrée	Eritrea
Eswatini	Eswatini	Eswatini	Eswatini
Ethiopia	Ethiopia	Éthiopie	Etiopía
Gabon	Gabon	Gabon	Gabón
Gambia	Gambia	Gambie	Gambia
Ghana	Ghana	Ghana	Ghana
Guinea	Guinea	Guinée	Guinea
Guinea Bissau	Guinea-Bissau	Guinée-Bissau	Guinea-Bisáu
Kenya	Kenya	Kenya	Kenia
Lesotho	Lesotho	Lesotho	Lesoto
Liberia	Liberia	Libéria	Liberia
Libya	Libya	Libye	Libia
Madagascar	Madagascar	Madagascar	Madagascar
Malawi	Malawi	Malawi	Malawi
Mali	Mali	Mali	Malí
Mauritania	Mauritania	Mauritanie	Mauritania
Mauritius	Mauritius	Maurice	Mauricio
Mayotte	Mayotte	Mayotte	Mayotte
Morocco	Morocco	Maroc	Marruecos
Mozambique	Mozambique	Mozambique	Mozambique
Namibia	Namibia	Namibie	Namibia
Niger	Niger	Niger	Níger
Nigeria	Nigeria	Nigéria	Nigeria
Reunion	Réunion	Réunion	Reunión
Rwanda	Rwanda	Rwanda	Rwanda
Saint Helena	Saint Helena, Ascension and Tristan da Cunha	Sainte-Hélène, Ascension et Tristan de Cunha	Santa Helena, Ascensión y Tristán de Acuña
Sao Tome Prn	Sao Tome and Principe	Sao Tomé-et-Principe	Santo Tomé y Príncipe
Senegal	Senegal	Sénégal	Senegal
Seychelles	Seychelles	Seychelles	Seychelles
Sierra Leone	Sierra Leone	Sierra Leone	Sierra Leona
Somalia	Somalia	Somalie	Somalia
South Africa	South Africa	Afrique du Sud	Sudáfrica
South Sudan	South Sudan	Soudan du Sud	Sudán del Sur
Sudan	Sudan	Soudan	Sudán

Label/En-tête/Rótulo	English	Français	Español
Tanzania	United Republic of Tanzania	République-Unie de Tanzanie	República Unida de Tanzania
Togo	Togo	Togo	Togo
Tunisia	Tunisia	Tunisie	Túnez
Uganda	Uganda	Ouganda	Uganda
Westn Sahara	Western Sahara	Sahara occidental	Sahara occidental
Zambia	Zambia	Zambie	Zambia
Zimbabwe	Zimbabwe	Zimbabwe	Zimbabue
ASIA	**ASIA**	**ASIE**	**ASIA**
Afghanistan	Afghanistan	Afghanistan	Afganistán
Bangladesh	Bangladesh	Bangladesh	Bangladesh
Bhutan	Bhutan	Bhoutan	Bután
Brunei Darsm	Brunei Darussalam	Brunéi Darussalam	Brunei Darussalam
Cambodia	Cambodia	Cambodge	Camboya
China	China	Chine	China
China HK SAR	China, Hong Kong Special Administrative Region	Chine, région administrative spéciale de Hong Kong	China, región administrativa especial de Hong Kong
China Mac SAR	China, Macao Special Administrative Region	Chine, région administrative spéciale de Macao	China, región administrativa especial de Macao
Chinese Taipei	Chinese Taipei	Taipei chinois	China Taipéi
India	India	Inde	India
Indonesia	Indonesia	Indonésie	Indonesia
Japan	Japan	Japon	Japón
Kazakhstan	Kazakhstan	Kazakhstan	Kazajstán
Korea DPR	Democratic People's Republic of Korea	République démocratique populaire de Corée	República Popular Democrática de Corea
Korea Rep	Republic of Korea	République de Corée	República de Corea
Kyrgyzstan	Kyrgyzstan	Kirghizistan	Kirguistán
Lao PDR	Lao People's Democratic Republic	République démocratique populaire lao	República Democrática Popular Lao
Malaysia	Malaysia	Malaisie	Malasia
Maldives	Maldives	Maldives	Maldivas
Mongolia	Mongolia	Mongolie	Mongolia
Myanmar	Myanmar	Myanmar	Myanmar
Nepal	Nepal	Népal	Nepal
Pakistan	Pakistan	Pakistan	Pakistán
Philippines	Philippines	Philippines	Filipinas
Singapore	Singapore	Singapour	Singapur
Sri Lanka	Sri Lanka	Sri Lanka	Sri Lanka
Tajikistan	Tajikistan	Tadjikistan	Tayikistán
Thailand	Thailand	Thaïlande	Tailandia
Timor Leste	Timor-Leste	Timor-Leste	Timor-Leste
Turkmenistan	Turkmenistan	Turkménistan	Turkmenistán
Uzbekistan	Uzbekistan	Ouzbékistan	Uzbekistán
Viet Nam	Viet Nam	Viet Nam	Viet Nam
C AMERICA + CARIB	**CENTRAL AMERICA AND THE CARIBBEAN**	**AMÉRIQUE CENTRALE ET CARAÏBES**	**CENTROAMÉRICA Y EL CARIBE**
Anguilla	Anguilla	Anguilla	Anguila
Antigua Barb	Antigua and Barbuda	Antigua-et-Barbuda	Antigua y Barbuda
Aruba	Aruba	Aruba	Aruba
Bahamas	Bahamas	Bahamas	Bahamas
Barbados	Barbados	Barbade	Barbados
Belize	Belize	Belize	Belice
BES Islands	Bonaire, Sint Eustatius and Saba	Bonaire, Saint-Eustache et Saba	Bonaire, San Eustaquio y Saba
Br Virgin Is	British Virgin Islands	Îles Vierges britanniques	Islas Vírgenes Británicas
Cayman Is	Cayman Islands	Îles Caïmanes	Islas Caimán
Costa Rica	Costa Rica	Costa Rica	Costa Rica
Cuba	Cuba	Cuba	Cuba
Curacao	Curacao	Curaçao	Curacao
Dominica	Dominica	Dominique	Dominica
Dominican Rep	Dominican Republic	République dominicaine	República Dominicana

Label/En-tête/Rótulo	English	Français	Español
El Salvador	El Salvador	El Salvador	El Salvador
Grenada	Grenada	Grenade	Granada
Guadeloupe	Guadeloupe	Guadeloupe	Guadalupe
Guatemala	Guatemala	Guatemala	Guatemala
Haiti	Haiti	Haïti	Haití
Honduras	Honduras	Honduras	Honduras
Jamaica	Jamaica	Jamaïque	Jamaica
Martinique	Martinique	Martinique	Martinica
Montserrat	Montserrat	Montserrat	Montserrat
Nicaragua	Nicaragua	Nicaragua	Nicaragua
Panama	Panama	Panama	Panamá
Puerto Rico	Puerto Rico	Porto Rico	Puerto Rico
St Barth	Saint Barthélemy	Saint Barthélemy	San Bartolomé
St Kitts Nevis	Saint Kitts and Nevis	Saint-Kitts-et-Nevis	Saint Kitts y Nevis
St Lucia	Saint Lucia	Sainte-Lucie	Santa Lucía
St Maarten	Sint Maarten	Saint Martin (partie néerlandaise)	San Martín (parte neerlandesa)
St Martin	Saint Martin	Saint Martin (partie française)	San Martín (parte francesa)
St Vincent Gren	Saint Vincent and the Grenadines	Saint-Vincent-et-les Grenadines	San Vicente y las Granadinas
Trinidad Tobago	Trinidad and Tobago	Trinité-et-Tobago	Trinidad y Tabago
Turks Caicos	Turks and Caicos Islands	Îles Turques-et-Caïques	Islas Turcas y Caicos
US Virgin Is	United States Virgin Islands	Îles Vierges américaines	Islas Vírgenes Estadounidenses
EURASIA	**EURASIA**	**EURASIE**	**EURASIA**
Armenia	Armenia	Arménie	Armenia
Azerbaijan	Azerbaijan	Azerbaïdjan	Azerbaiyán
Georgia	Georgia	Géorgie	Georgia
Russian Fed	Russian Federation	Fédération de Russie	Federación de Rusia
Türkiye	Türkiye	Türkiye	Türkiye
EUROPE	**EUROPE**	**EUROPE**	**EUROPA**
Albania	Albania	Albanie	Albania
Andorra	Andorra	Andorre	Andorra
Austria	Austria	Autriche	Austria
Belarus	Belarus	Bélarus	Belarús
Belgium	Belgium	Belgique	Bélgica
Bosnia Herzg	Bosnia and Herzegovina	Bosnie-Herzégovine	Bosnia-Herzegovina
Bulgaria	Bulgaria	Bulgarie	Bulgaria
Croatia	Croatia	Croatie	Croacia
Cyprus	Cyprus	Chypre	Chipre
Czechia	Czech Republic	République tchèque	República Checa
Denmark	Denmark	Danemark	Dinamarca
Estonia	Estonia	Estonie	Estonia
Faroe Islands	Faroe Islands	Îles Féroé	Islas Feroe
Finland	Finland	Finlande	Finlandia
France	France	France	Francia
Germany	Germany	Allemagne	Alemania
Gibraltar	Gibraltar	Gibraltar	Gibraltar
Greece	Greece	Grèce	Grecia
Holy See	Holy See	Saint-Siège	Santa Sede
Hungary	Hungary	Hongrie	Hungría
Iceland	Iceland	Islande	Islandia
Ireland	Ireland	Irlande	Irlanda
Italy	Italy	Italie	Italia
Kosovo*	Kosovo*	Kosovo*	Kosovo*
Latvia	Latvia	Lettonie	Letonia
Liechtenstein	Liechtenstein	Liechtenstein	Liechtenstein
Lithuania	Lithuania	Lituanie	Lituania
Luxembourg	Luxembourg	Luxembourg	Luxemburgo
Malta	Malta	Malte	Malta
Moldova Rep	Republic of Moldova	République de Moldova	República de Moldavia
Monaco	Monaco	Monaco	Mónaco

Label/En-tête/Rótulo	English	Français	Español
Montenegro	Montenegro	Monténégro	Montenegro
Netherlands	Netherlands	Pays-Bas	Países Bajos
North Macedonia	North Macedonia	Macédoine du Nord	Macedonia del Norte
Norway	Norway	Norvège	Noruega
Poland	Poland	Pologne	Polonia
Portugal	Portugal	Portugal	Portugal
Romania	Romania	Roumanie	Rumania
San Marino	San Marino	Saint-Marin	San Marino
Serbia	Serbia	Serbie	Serbia
Slovakia	Slovakia	Slovaquie	Eslovaquia
Slovenia	Slovenia	Slovénie	Eslovenia
Spain	Spain	Espagne	España
Sweden	Sweden	Suède	Suecia
Switzerland	Switzerland	Suisse	Suiza
UK	United Kingdom of Great Britain and Northern Ireland	Royaume-Uni de Grande-Bretagne et d'Irlande du Nord	Reino Unido de Gran Bretaña e Irlanda del Norte
Ukraine	Ukraine	Ukraine	Ucrania
MIDDLE EAST	**MIDDLE EAST**	**MOYEN-ORIENT**	**MEDIO ESTE**
Bahrain	Bahrain	Bahreïn	Bahréin
Iran IR	Iran (Islamic Republic of)	République islamique d'Iran	Irán (República Islámica del)
Iraq	Iraq	Iraq	Iraq
Israel	Israel	Israël	Israel
Jordan	Jordan	Jordanie	Jordania
Kuwait	Kuwait	Koweït	Kuwait
Lebanon	Lebanon	Liban	Líbano
Oman	Oman	Oman	Omán
Qatar	Qatar	Qatar	Qatar
Saudi Arabia	Saudi Arabia	Arabie saoudite	Arabia Saudita
Palestine	State of Palestine	État de Palestine	Estado de Palestina
Syrian AR	Syrian Arab Republic	République arabe syrienne	República Árabe Siria
United Arab Em	United Arab Emirates	Émirats arabes unis	Emiratos Árabes Unidos
Yemen	Yemen	Yémen	Yemen
N AMERICA	**NORTH AMERICA**	**AMÉRIQUE DU NORD**	**NORTEAMÉRICA**
Bermuda	Bermuda	Bermudes	Bermudas
Canada	Canada	Canada	Canadá
Greenland	Greenland	Groenland	Groenlandia
Mexico	Mexico	Mexique	México
St Pierre Mq	Saint Pierre and Miquelon	Saint-Pierre-et-Miquelon	San Pedro y Miquelón
USA	United States of America	États-Unis d'Amérique	Estados Unidos de América
OCEANIA	**OCEANIA**	**OCÉANIE**	**OCEANÍA**
Amer Samoa	American Samoa	Samoa américaines	Samoa americana
Australia	Australia	Australie	Australia
Christmas Is	Christmas Island	Île Christmas	Isla de Navidad
Cocos Is	Cocos (Keeling) Islands	Îles Cocos	Islas Cocos
Cook Is	Cook Islands	Îles Cook	Islas Cook
Fiji	Fiji	Fidji	Fidji
Fr Polynesia	French Polynesia	Polynésie française	Polinesia francesa
Guam	Guam	Guam	Guam
Kiribati	Kiribati	Kiribati	Kiribati
Marshall Is	Marshall Islands	Îles Marshall	Islas Marshall
Micronesia	Micronesia (Federated States of)	Micronésie (États fédérés de)	Micronesia (Estados Federados de)
Nauru	Nauru	Nauru	Nauru
New Caledon	New Caledonia	Nouvelle-Calédonie	Nueva Caledonia
New Zealand	New Zealand	Nouvelle-Zélande	Nueva Zelandia
Niue	Niue	Nioué	Niue
Norfolk Is	Norfolk Island	Ile Norfolk	Isla Norfolk
Nth Mariana Is	Northern Mariana Islands	Îles Mariannes du Nord	Islas Marianas del Norte
Palau	Palau	Palaos	Palau

Label/En-tête/Rótulo	English	Français	Español
Papua N Guin	Papua New Guinea	Papouasie-Nouvelle-Guinée	Papua Nueva Guinea
Pitcairn	Pitcairn	Pitcairn	Pitcairn
Samoa	Samoa	Samoa	Samoa
Solomon Is	Solomon Islands	Îles Salomon	Islas Salomón
Tokelau	Tokelau	Tokelau	Tokelau
Tonga	Tonga	Tonga	Tonga
Tuvalu	Tuvalu	Tuvalu	Tuvalu
Vanuatu	Vanuatu	Vanuatu	Vanuatu
Wallis Fut Is	Wallis and Futuna Islands	Wallis-et-Futuna	Wallis y Futuna
S AMERICA	**SOUTH AMERICA**	**AMÉRIQUE DU SUD**	**SUDAMERICA**
Argentina	Argentina	Argentine	Argentina
Bolivia	Bolivia (Plurinational State of)	Bolivie (État plurinational de)	Bolivia (Estado Plurinacional de)
Brazil	Brazil	Brésil	Brasil
Chile	Chile	Chili	Chile
Colombia	Colombia	Colombie	Colombia
Ecuador	Ecuador	Equateur	Ecuador
Falklands Malv	Falkland Islands (Malvinas)	Îles Falkland (Malvinas)	Islas Malvinas (Falkland)
Fr Guiana	French Guiana	Guyane française	Guayana Francesa
Guyana	Guyana	Guyana	Guyana
Paraguay	Paraguay	Paraguay	Paraguay
Peru	Peru	Pérou	Perú
South Georgia	South Georgia and the South Sandwich Islands	Géorgie du Sud-et-les Îles Sandwich du Sud	Georgia del Sur y las Islas Sandwich del Sur
Suriname	Suriname	Suriname	Surinam
Uruguay	Uruguay	Uruguay	Uruguay
Venezuela	Venezuela (Bolivarian Republic of)	Venezuela (République bolivarienne du)	La República Bolivariana de Venezuela

Source: UN Standard Country or Area Codes for Statistical Use (M49 List)
http://unstats.un.org/unsd/methods/m49/m49.htm.

Note: (*) Throughout this publication, the designation Kosovo* is without prejudice to positions on status and in line with the United Nations Security Council Resolution 1244 (1999).

Total capacity

Capacité totale

Capacidad total

Total renewable energy
Total énergies renouvelables
Total energías renovables

CAP (MW)	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
World	**2 020 792**	**2 186 943**	**2 357 537**	**2 541 486**	**2 810 899**	**3 077 120**	**3 379 389**	**3 872 829**	**4 457 340**	**5 149 280**
Africa	**37 065**	**41 461**	**45 755**	**48 229**	**51 440**	**53 574**	**58 774**	**65 478**	**71 091**	**82 371**
Algeria	500	593	605	605	585	506	590	601	601	601
Angola	1 752	2 445	3 113	3 448	3 782	3 782	4 066	4 091	4 142	4 165
Benin	3	3	3	4	5	7	34	36	36	36
Botswana	3	3	4	6	6	6	6	9	66	169
Burkina Faso	36	71	87	91	91	92	123	212	241	241
Burundi	56	54	54	54	54	61	76	77	77	178
Cabo Verde	33	33	38	41	42	44	50	53	58	73
Cameroon	733	755	757	839	853	865	867	1 050	1 500	1 500
Cent Afr Rep	19	19	19	19	19	19	19	59	59	59
Chad	3	3	4	4	4	5	5	5	5	114
Comoros	2	3	3	3	3	5	4	5	5	11
Congo DR	2 434	2 448	2 609	2 620	2 625	2 628	2 958	3 215	3 279	3 279
Congo Rep	213	226	226	226	227	227	227	227	227	227
Cote d Ivoire	604	880	881	883	885	887	888	918	1 029	1 029
Djibouti	0	0	0	0	0	20	20	80	80	81
Egypt	3 681	3 802	4 793	5 690	5 934	6 258	6 286	6 673	7 716	9 258
Eq Guinea	126	126	127	127	127	127	127	127	127	127
Eritrea	10	24	27	27	27	26	26	26	26	26
Eswatini	168	168	168	168	168	178	178	197	197	197
Ethiopia	2 649	4 366	4 451	4 451	4 713	4 759	5 589	5 570	5 989	10 082
Gabon	172	173	173	321	321	321	321	321	332	332
Gambia	2	2	3	3	3	3	3	3	26	26
Ghana	1 630	1 635	1 665	1 675	1 698	1 756	1 759	1 778	1 778	1 778
Guinea	369	370	382	378	604	829	830	831	831	832
Guinea Bissau	1	1	2	2	2	2	2	2	3	3
Kenya	1 625	1 663	2 045	2 063	2 262	2 429	2 610	2 887	2 993	2 979
Lesotho	75	75	75	75	75	75	75	103	104	104
Liberia	27	94	94	95	96	96	97	97	97	99
Libya	5	5	5	5	5	6	6	8	8	9
Madagascar	165	166	186	188	189	189	245	251	252	256
Malawi	392	393	393	393	395	475	516	516	516	516
Mali	328	366	366	367	418	449	593	593	633	633
Mauritania	69	69	121	122	122	122	123	260	294	306
Mauritius	187	192	236	260	271	277	277	292	318	318
Mayotte	13	15	16	17	19	30	30	31	31	31
Morocco	2 417	2 539	3 272	3 272	3 522	3 638	3 725	4 243	4 659	4 851
Mozambique	2 270	2 270	2 271	2 316	2 323	2 332	2 383	2 430	2 444	2 444
Namibia	374	420	478	541	546	549	604	598	598	747
Niger	7	7	14	14	15	15	50	83	83	83
Nigeria	2 141	2 147	2 151	2 170	2 199	2 230	2 263	3 093	3 155	3 206
Reunion	383	384	428	436	445	463	470	710	922	922
Rwanda	108	111	111	123	133	134	140	140	170	127
Sao Tome Prn	2	2	2	2	2	2	2	4	4	5
Senegal	101	142	185	266	370	438	440	441	481	625
Seychelles	8	9	10	10	13	22	23	24	25	25
Sierra Leone	91	96	96	98	99	106	111	112	111	112
Somalia	4	5	6	6	14	22	46	49	49	49
South Africa	4 379	5 307	5 611	5 912	7 234	7 717	9 884	12 464	13 517	16 598
South Sudan	1	2	2	2	4	4	4	17	31	45
Sudan	1 547	1 557	1 741	1 762	1 799	1 817	1 871	1 871	1 871	1 871
Tanzania	664	668	675	672	676	678	678	759	1 470	2 880
Togo	67	67	70	73	77	130	132	133	133	153
Tunisia	340	349	375	391	407	408	510	819	1 086	1 206
Uganda	766	809	892	1 165	1 202	1 262	1 288	1 720	1 920	1 926
Zambia	2 432	2 443	2 445	2 535	2 537	2 843	3 303	3 339	3 401	3 536
Zimbabwe	878	884	1 188	1 191	1 193	1 207	1 220	1 225	1 285	1 285

Total renewable energy
Total énergies renouvelables
Total energías renovables

CAP (MW)	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
Asia	**813 285**	**920 341**	**1 025 161**	**1 125 186**	**1 301 574**	**1 456 357**	**1 630 832**	**1 961 722**	**2 377 266**	**2 890 615**
Afghanistan	350	373	372	402	401	418	523	523	534	554
Bangladesh	443	495	518	558	622	784	801	1 024	1 184	1 484
Bhutan	1 615	1 615	1 615	2 335	2 335	2 335	2 335	2 336	2 456	3 512
Brunei Darsm	1	1	1	1	1	5	5	5	5	6
Cambodia	1 004	1 087	1 449	1 546	1 731	1 792	1 888	1 892	2 842	3 356
China	541 016	620 856	695 463	758 870	896 412	1 017 852	1 156 126	1 453 701	1 817 956	2 258 016
China HK SAR	1	47	47	143	145	149	244	393	469	485
Chinese Taipei	4 411	4 944	5 939	7 482	9 250	11 294	13 815	17 622	20 733	22 540
India	90 414	105 258	118 227	128 475	134 774	147 418	163 295	175 874	205 390	250 519
Indonesia	9 065	9 459	9 807	10 303	10 465	11 533	12 596	13 325	13 866	15 180
Japan	75 563	83 596	90 722	98 684	107 934	115 173	121 372	126 822	130 406	134 532
Kazakhstan	2 851	2 898	3 088	3 606	4 190	4 536	5 069	5 504	5 561	6 084
Korea DPR	4 735	4 799	4 842	4 857	4 946	4 969	5 008	5 041	5 115	5 128
Korea Rep	9 163	11 175	13 443	17 621	22 091	24 421	27 270	30 519	33 796	37 683
Kyrgyzstan	3 677	3 689	3 673	3 673	3 674	2 780	3 144	3 143	3 314	3 527
Lao PDR	4 912	5 157	5 544	6 386	8 185	9 142	9 832	9 957	10 370	12 688
Malaysia	7 930	7 026	7 460	7 903	8 563	8 705	9 285	9 630	10 286	10 286
Maldives	9	12	18	31	41	42	54	57	70	76
Mongolia	105	188	260	285	288	288	288	292	328	314
Myanmar	3 344	3 358	3 374	3 417	3 413	3 439	3 509	3 509	3 544	3 568
Nepal	832	978	1 101	1 221	1 352	2 069	2 317	2 798	3 471	4 030
Pakistan	8 808	9 223	12 203	12 347	12 761	13 245	15 095	16 123	17 514	17 514
Philippines	6 334	6 495	6 673	6 857	7 076	7 408	7 771	7 970	9 322	10 436
Singapore	266	286	332	437	494	657	861	1 163	1 427	1 742
Sri Lanka	1 953	2 057	2 181	2 332	2 457	2 723	2 929	3 119	3 865	4 793
Tajikistan	4 957	4 958	4 958	5 718	5 719	5 719	5 737	5 737	5 738	5 842
Thailand	9 370	10 149	11 216	11 701	11 843	12 402	12 540	12 593	12 606	16 018
Timor Leste	2	1	1	1	1	1	1	1	1	1
Turkmenistan	1	1	1	1	1	2	2	2	2	2
Uzbekistan	1 883	1 861	1 919	1 912	2 025	2 056	2 429	3 250	6 079	10 027
Viet Nam	18 271	18 296	18 713	26 083	38 385	42 999	44 690	47 798	49 014	50 671
C America + Carib	**13 201**	**14 033**	**14 984**	**15 889**	**16 428**	**17 070**	**17 626**	**18 694**	**19 492**	**21 265**
Anguilla	2	2	1	2	2	2	2	2	2	2
Antigua Barb	4	4	9	9	13	15	15	16	16	16
Aruba	39	39	45	45	45	45	45	45	46	35
Bahamas	4	4	4	6	6	11	16	17	23	23
Barbados	15	16	17	33	49	64	71	71	71	71
Belize	83	91	92	98	98	98	98	98	98	98
BES Islands	13	16	17	18	18	18	18	27	33	35
Br Virgin Is	1	1	1	2	2	2	2	3	3	2
Cayman Is	3	9	11	12	14	15	15	15	15	15
Costa Rica	2 917	2 981	3 081	3 144	3 123	3 182	3 137	3 196	3 171	3 205
Cuba	522	598	672	606	775	813	791	804	916	1 091
Curacao	41	58	59	59	60	60	60	61	84	84
Dominica	8	8	7	7	7	7	7	9	9	9
Dominican Rep	840	924	1 071	1 411	1 462	1 660	1 860	2 201	2 564	3 274
El Salvador	971	1 159	1 252	1 491	1 593	1 674	1 705	1 852	1 944	1 943
Grenada	2	2	3	3	4	4	4	4	4	4
Guadeloupe	151	156	175	191	206	218	225	227	228	238
Guatemala	2 595	2 684	2 833	2 863	2 864	2 693	2 698	2 704	2 704	2 704
Haiti	61	61	83	83	83	83	81	82	82	87
Honduras	1 481	1 614	1 698	1 746	1 865	1 881	1 941	1 941	1 969	2 054
Jamaica	192	220	220	271	271	272	274	277	281	281
Martinique	71	73	116	134	135	147	154	164	175	182
Montserrat				0	0	1	1	1	1	1
Nicaragua	661	674	674	731	731	732	746	748	766	766
Panama	2 051	2 112	2 308	2 354	2 383	2 647	2 781	2 933	3 031	3 261
Puerto Rico	443	502	505	537	583	689	841	1 157	1 193	1 591
St Barth	0	0	0	0	0	0	0	0	1	1
St Kitts Nevis	4	4	4	4	5	5	5	5	7	7
St Lucia	1	1	4	4	4	4	4	4	5	6
St Maarten							0	0	0	0
St Martin	2	0	0	1	1	1	2	2	2	17
St Vincent Gren	8	8	9	10	10	10	10	11	11	11
Trinidad Tobago	4	4	4	4	4	4	4	4	5	97
Turks Caicos	0	0	0	1	1	3	3	4	4	4
US Virgin Is	9	5	10	10	10	10	10	10	31	53
Eurasia	**90 437**	**95 221**	**99 362**	**103 065**	**109 235**	**114 852**	**118 432**	**128 956**	**133 058**	**141 409**
Armenia	1 316	1 332	1 357	1 364	1 403	1 494	1 583	1 762	1 839	2 045
Azerbaijan	1 184	1 194	1 277	1 289	1 296	1 316	1 325	1 688	1 792	1 826
Georgia	3 180	3 134	3 241	3 324	3 349	3 394	3 435	3 535	3 574	3 853
Russian Fed	50 311	50 815	51 257	52 699	53 992	55 473	56 143	58 885	56 766	57 386
Türkiye	34 446	38 746	42 230	44 389	49 195	53 175	55 946	63 085	69 087	76 300

Total renewable energy
Total énergies renouvelables
Total energías renovables

CAP (MW)	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
Europe	**487 975**	**511 583**	**536 263**	**573 354**	**606 691**	**649 383**	**706 769**	**782 747**	**857 563**	**934 334**
Albania	1 914	2 049	2 107	2 177	2 409	2 531	2 595	2 727	3 277	3 497
Andorra	51	51	51	52	52	52	53	56	58	61
Austria	19 343	19 603	20 383	20 781	21 164	22 132	23 541	26 471	29 334	31 525
Belarus	222	300	390	415	491	492	628	592	574	586
Belgium	6 657	7 399	8 262	9 397	11 153	11 807	13 082	14 759	15 993	17 085
Bosnia Herzg	1 776	1 808	1 886	1 930	1 953	2 039	2 085	2 200	2 714	2 799
Bulgaria	4 145	4 289	4 316	4 319	4 364	4 531	5 076	6 269	7 911	9 261
Croatia	2 793	2 916	2 979	3 068	3 255	3 490	3 585	3 973	4 562	5 051
Cyprus	252	278	289	322	400	485	595	752	920	1 042
Czechia	4 200	4 264	4 257	4 349	4 403	4 482	4 717	5 520	6 319	6 880
Denmark	7 410	8 194	8 902	9 180	9 656	10 867	12 191	12 795	13 433	14 561
Estonia	607	615	609	716	829	1 013	1 140	1 456	2 565	2 684
Faroe Islands	60	60	56	53	59	64	89	107	109	109
Finland	6 655	7 428	7 481	7 786	8 645	9 387	12 818	14 753	16 552	17 943
France	44 663	46 936	49 771	52 609	54 905	59 130	64 196	69 947	76 414	83 632
Germany	104 436	112 514	118 905	125 068	131 686	139 077	142 842	160 475	179 432	199 916
Greece	8 424	8 632	8 960	9 843	10 807	12 252	13 355	15 518	17 822	20 456
Hungary	1 048	1 224	1 630	2 288	3 024	3 906	5 155	6 823	8 190	9 201
Iceland	2 659	2 711	2 862	2 869	2 879	2 879	2 872	2 945	2 930	2 930
Ireland	3 105	3 672	4 051	4 553	4 794	4 911	5 223	5 982	6 873	8 063
Italy	51 022	51 944	52 963	54 126	55 195	56 541	59 478	64 777	71 841	78 277
Kosovo*	81	121	121	129	154	158	192	192	267	268
Latvia	1 778	1 796	1 804	1 826	1 826	1 823	1 927	2 165	2 505	2 755
Lithuania	765	788	843	886	1 017	1 325	1 919	2 900	4 694	6 121
Luxembourg	301	318	324	386	430	504	572	727	888	1 133
Malta	96	113	134	156	185	200	214	230	242	254
Moldova Rep	71	81	106	110	116	153	255	422	630	1 029
Montenegro	668	747	748	794	817	817	818	832	887	923
Netherlands	7 203	7 933	9 863	12 565	18 655	23 366	26 967	33 672	37 388	38 574
North Macedonia	720	749	755	761	782	800	915	1 356	1 675	1 894
Norway	32 814	33 251	34 411	35 929	37 981	39 386	39 749	40 072	40 585	40 801
Poland	7 870	7 965	8 265	9 250	11 977	16 132	21 415	27 425	34 014	38 227
Portugal	13 229	13 581	13 803	14 186	14 298	15 245	17 279	18 502	20 512	21 660
Romania	11 162	11 145	11 169	11 169	11 121	11 120	11 580	12 766	14 080	16 300
Serbia	2 461	2 482	2 695	2 910	2 928	2 957	3 067	3 273	3 473	3 810
Slovakia	2 397	2 385	2 330	2 431	2 377	2 406	2 433	2 418	2 693	2 993
Slovenia	1 409	1 479	1 474	1 512	1 612	1 704	1 863	2 273	2 665	2 781
Spain	47 825	47 975	48 316	54 636	57 348	62 048	74 441	80 881	88 443	98 614
Sweden	27 805	28 179	29 180	31 172	31 171	33 727	36 795	40 395	41 603	42 852
Switzerland	16 246	17 041	17 455	17 794	18 280	18 932	20 897	22 461	24 175	25 554
UK	35 437	40 038	43 905	46 663	47 730	49 590	53 237	56 280	61 169	65 081
Ukraine	6 199	6 530	7 455	12 189	13 764	14 921	14 921	14 612	7 150	7 150
European Union	**387 390**	**404 364**	**422 166**	**449 529**	**477 283**	**514 661**	**565 469**	**635 960**	**709 457**	**779 443**
Middle East	**16 718**	**17 085**	**18 650**	**21 437**	**23 627**	**25 902**	**30 981**	**37 863**	**43 778**	**56 446**
Bahrain	7	7	7	10	11	22	48	59	69	115
Iran IR	10 783	11 367	11 638	11 803	11 901	11 930	12 399	12 653	12 961	13 963
Iraq	2 311	1 594	1 594	1 594	1 594	1 594	1 599	1 599	1 599	1 621
Israel	966	1 066	1 411	2 203	2 717	3 656	4 807	5 901	6 006	7 763
Jordan	514	635	1 074	1 374	2 088	2 460	2 615	2 638	2 843	2 843
Kuwait	24	25	46	97	97	97	114	114	114	114
Lebanon	318	331	348	370	384	498	1 161	1 373	1 373	1 797
Oman	2	8	26	76	179	205	705	722	722	1 722
Palestine	26	36	41	83	119	179	193	260	303	309
Qatar	24	24	24	24	24	24	824	824	824	1 699
Saudi Arabia	24	37	87	112	412	442	840	2 840	6 601	12 332
Syrian AR	1 501	1 497	1 498	1 499	1 508	1 532	1 806	2 524	3 108	3 806
United Arab Em	136	354	601	1 936	2 334	3 003	3 606	6 072	6 853	7 907
Yemen	81	103	253	254	258	258	264	283	403	456
N America	**331 180**	**347 620**	**365 955**	**390 522**	**422 331**	**460 822**	**490 072**	**525 998**	**571 632**	**613 690**
Canada	96 998	98 149	99 592	99 988	100 390	103 330	105 782	107 672	109 423	110 511
Greenland	92	92	92	92	92	93	93	93	93	93
Mexico	19 004	19 701	21 398	27 709	29 301	31 577	31 708	32 950	34 231	35 168
USA	215 087	229 678	244 874	262 734	292 548	325 822	352 490	385 283	427 886	467 918

Total renewable energy
Total énergies renouvelables
Total energías renovables

CAP (MW)	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
Oceania	**27 009**	**29 161**	**34 393**	**40 279**	**47 024**	**52 331**	**58 543**	**61 574**	**70 322**	**76 383**
Amer Samoa	4	4	5	5	5	5	7	7	7	7
Australia	18 890	20 974	26 114	31 911	38 564	43 536	49 437	52 167	60 229	66 021
Cook Is	3	3	5	6	6	6	6	6	6	6
Fiji	201	215	216	216	216	224	225	226	227	227
Fr Polynesia	80	83	86	90	94	95	102	102	130	130
Guam	35	37	38	40	42	43	105	105	105	105
Kiribati	2	2	2	2	2	2	2	4	4	4
Marshall Is	2	2	2	2	2	2	2	2	3	3
Micronesia	5	5	6	7	9	9	9	9	9	9
Nauru	1	1	1	2	2	3	3	3	3	9
New Caledon	126	143	176	220	244	294	349	354	355	359
New Zealand	7 309	7 331	7 376	7 407	7 466	7 735	7 906	8 113	8 763	9 006
Niue	0	0	0	1	1	1	1	1	2	2
Palau	2	2	3	3	3	4	4	20	20	23
Papua N Guin	310	310	311	311	312	313	316	382	384	394
Samoa	19	24	26	30	30	30	33	33	33	33
Solomon Is	3	4	4	4	4	4	5	7	7	10
Tokelau	1	1	1	1	1	1	1	1	1	1
Tonga	5	7	7	8	8	8	16	16	17	17
Tuvalu	4	4	4	4	4	4	4	4	5	5
Vanuatu	9	10	11	12	12	12	12	12	13	13
S America	**203 920**	**210 437**	**217 014**	**223 524**	**232 548**	**246 829**	**267 358**	**289 798**	**313 139**	**332 767**
Argentina	10 626	10 757	11 510	12 658	14 090	15 100	15 171	15 878	15 637	16 717
Bolivia	647	755	971	976	1 027	1 177	1 228	1 313	1 298	1 311
Brazil	131 694	136 248	139 862	144 572	150 591	161 099	176 247	194 083	213 823	228 204
Chile	9 299	10 207	11 159	11 553	12 894	15 192	18 789	21 292	23 806	26 510
Colombia	11 884	12 072	12 196	12 292	12 381	12 477	13 877	14 177	15 063	15 398
Ecuador	4 640	4 715	5 267	5 277	5 298	5 300	5 394	5 446	5 741	5 759
Falklands Malv	3	3	3	3	3	3	3	3	3	3
Fr Guiana	172	172	172	172	182	191	192	204	208	209
Guyana	49	51	53	54	55	54	60	66	69	88
Paraguay	8 820	8 820	8 820	8 846	8 846	8 846	8 847	8 847	8 847	8 849
Peru	5 751	5 847	6 123	6 312	6 368	6 431	6 578	7 180	7 297	8 365
South Georgia	0	0	0	0	0	0	0	0	0	0
Suriname	187	187	187	187	188	189	191	192	194	197
Uruguay	3 255	3 711	3 723	3 731	3 735	3 744	3 758	4 092	4 128	4 131
Venezuela	16 892	16 892	16 969	16 889	16 889	17 023	17 023	17 023	17 024	17 025

Hydropower
Hydroélectricité
Hidroeléctrica

CAP (MW)	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
World	**1 255 781**	**1 277 089**	**1 296 616**	**1 312 377**	**1 334 389**	**1 362 616**	**1 396 546**	**1 411 790**	**1 426 908**	**1 455 588**
Africa	**30 865**	**33 957**	**35 329**	**36 175**	**36 999**	**37 538**	**39 289**	**41 073**	**43 317**	**48 914**
Algeria	228	228	228	228	209	129	129	129	129	129
Angola	1 700	2 393	3 061	3 395	3 729	3 729	3 729	3 729	3 729	3 729
Benin	1	1	1	1	1	1	1	1	1	1
Burkina Faso	32	32	32	32	32	32	32	34	34	34
Burundi	51	48	48	48	48	48	63	63	63	164
Cameroon	732	732	732	813	813	813	814	960	1 410	1 410
Cent Afr Rep	19	19	19	19	19	19	19	19	19	19
Comoros	1	1	1	1	1	1	1	1	1	1
Congo DR	2 429	2 440	2 598	2 608	2 608	2 608	2 932	3 188	3 247	3 247
Congo Rep	201	214	214	214	214	214	214	214	214	214
Cote d Ivoire	604	879	879	879	879	879	879	879	990	990
Egypt	2 800	2 800	2 832	2 832	2 832	2 832	2 832	2 832	2 832	2 832
Eq Guinea	126	126	127	127	127	127	127	127	127	127
Eswatini	62	62	62	62	62	62	62	64	64	64
Ethiopia	2 159	3 817	3 817	3 817	4 071	4 071	4 821	4 883	5 221	9 214
Gabon	171	172	172	320	320	320	320	320	320	320
Ghana	1 584	1 584	1 584	1 584	1 584	1 584	1 584	1 584	1 584	1 584
Guinea	369	369	369	364	589	814	814	814	814	814
Kenya	830	841	845	852	854	858	858	893	892	893
Lesotho	74	74	74	74	74	74	74	74	75	75
Liberia	27	93	93	93	93	93	93	93	93	95
Madagascar	164	164	164	164	164	164	192	193	193	193
Malawi	373	373	373	373	373	393	393	393	393	393
Mali	315	315	315	315	315	315	455	455	455	455
Mauritius	61	61	61	61	61	61	61	62	62	62
Morocco	1 770	1 770	1 770	1 770	1 770	1 770	1 770	1 770	2 120	2 120
Mozambique	2 193	2 193	2 193	2 193	2 194	2 194	2 194	2 194	2 194	2 194
Namibia	347	347	347	347	351	351	351	351	351	351
Nigeria	2 111	2 111	2 111	2 111	2 111	2 111	2 111	2 901	2 901	2 901
Reunion	133	133	133	133	133	134	134	134	134	134
Rwanda	98	98	98	108	118	118	124	124	153	111
Sao Tome Prn	2	2	2	2	2	2	2	2	2	2
Senegal										127
Sierra Leone	56	61	61	61	61	61	61	61	61	61
South Africa	3 147	3 480	3 480	3 480	3 480	3 484	3 484	3 484	3 484	3 484
Sudan	1 322	1 322	1 482	1 482	1 482	1 482	1 482	1 482	1 482	1 482
Tanzania	587	589	595	596	598	599	599	680	1 385	2 795
Togo	67	67	67	67	67	67	67	67	67	67
Tunisia	62	62	66	66	66	66	66	66	66	66
Uganda	695	707	744	1 005	1 016	1 073	1 100	1 511	1 711	1 718
Zambia	2 388	2 398	2 398	2 399	2 400	2 706	3 165	3 165	3 165	3 165
Zimbabwe	776	780	1 080	1 080	1 080	1 080	1 080	1 080	1 080	1 080
Asia	**516 807**	**530 822**	**543 955**	**555 018**	**570 483**	**594 316**	**620 421**	**629 858**	**648 559**	**668 333**
Afghanistan	329	349	349	349	349	366	468	468	470	487
Bangladesh	230	230	230	230	230	230	230	230	230	230
Bhutan	1 614	1 614	1 614	2 334	2 334	2 334	2 334	2 334	2 452	3 490
Cambodia	930	980	1 330	1 330	1 330	1 330	1 332	1 332	1 796	1 801
China	332 070	343 775	352 261	358 040	370 160	390 920	413 500	421 540	435 950	448 020
China HK SAR	1	1	1	1	1	1	1	1	1	1
Chinese Taipei	4 691	4 691	4 693	4 694	4 695	4 696	4 700	4 706	4 725	4 726
India	47 622	49 521	50 102	50 279	50 763	51 566	52 003	52 080	52 254	56 299
Indonesia	5 666	5 703	5 772	5 976	6 121	6 602	6 689	6 570	7 052	7 587
Japan	50 058	50 014	50 037	50 033	50 033	49 929	50 008	50 066	50 084	50 146
Kazakhstan	2 696	2 726	2 756	2 778	2 785	2 807	2 807	2 903	2 810	2 848
Korea DPR	4 701	4 761	4 790	4 790	4 865	4 865	4 890	4 910	4 970	4 970
Korea Rep	6 490	6 494	6 498	6 509	6 507	6 521	6 513	6 517	6 515	6 528
Kyrgyzstan	3 677	3 689	3 673	3 673	3 674	2 780	3 144	3 143	3 314	3 427
Lao PDR	4 869	5 109	5 387	6 229	8 018	8 961	9 651	9 776	10 189	10 357
Malaysia	6 116	5 895	6 169	6 191	6 189	6 218	6 227	6 268	6 268	6 268
Mongolia	31	31	31	31	29	29	29	29	29	30
Myanmar	3 262	3 262	3 269	3 269	3 269	3 269	3 269	3 269	3 269	3 269
Nepal	811	916	1 038	1 159	1 281	1 971	2 197	2 675	3 293	3 810
Pakistan	7 254	7 406	9 906	9 925	10 045	10 045	10 636	10 636	11 520	11 520
Philippines	3 624	3 634	3 720	3 763	3 781	3 784	3 775	3 832	3 869	3 889
Sri Lanka	1 726	1 745	1 797	1 813	1 797	1 801	1 831	1 845	1 969	1 969
Tajikistan	4 957	4 958	4 958	5 718	5 718	5 718	5 737	5 737	5 737	5 841
Thailand	3 649	3 649	3 668	3 668	3 670	3 670	3 686	3 692	3 692	3 692
Timor Leste	0	0	0	0	0	0	0	0	0	0
Turkmenistan	1	1	1	1	1	2	2	2	2	2
Uzbekistan	1 880	1 858	1 915	1 908	2 021	2 052	2 225	2 382	2 391	2 441
Viet Nam	17 849	17 809	17 989	20 326	20 817	21 847	22 535	22 915	23 707	24 683

Hydropower
Hydroélectricité
Hidroeléctrica

CAP (MW)	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
C America + Carib	**7 615**	**7 762**	**8 046**	**8 158**	**8 275**	**8 328**	**8 373**	**8 487**	**8 472**	**8 480**
Belize	55	55	55	55	55	55	55	55	55	55
Costa Rica	2 329	2 329	2 373	2 344	2 332	2 379	2 331	2 372	2 353	2 342
Cuba	70	70	68	68	68	68	69	69	69	69
Dominica	7	7	7	7	7	7	7	8	8	8
Dominican Rep	613	614	616	625	625	625	624	624	625	625
El Salvador	495	574	575	576	574	572	572	638	638	638
Guadeloupe	9	11	11	11	11	11	11	11	11	11
Guatemala	1 393	1 438	1 502	1 575	1 578	1 572	1 574	1 575	1 575	1 575
Haiti	58	58	80	80	80	80	78	78	78	79
Honduras	677	682	713	736	844	856	916	916	918	938
Jamaica	30	30	30	30	30	30	30	30	30	30
Martinique				0	0					
Nicaragua	142	142	142	157	157	158	159	160	160	160
Panama	1 632	1 647	1 770	1 791	1 810	1 810	1 845	1 847	1 848	1 848
Puerto Rico	98	98	98	98	98	98	98	98	98	97
St Vincent Gren	6	6	6	6	6	6	6	6	6	6
Eurasia	**83 133**	**84 058**	**85 314**	**86 460**	**89 077**	**89 789**	**90 177**	**93 529**	**91 317**	**91 638**
Armenia	1 312	1 327	1 336	1 340	1 350	1 345	1 345	1 358	1 351	1 336
Azerbaijan	1 105	1 106	1 131	1 145	1 149	1 157	1 165	1 302	1 407	1 444
Georgia	3 160	3 113	3 220	3 300	3 323	3 354	3 379	3 450	3 414	3 515
Russian Fed	50 875	51 239	51 335	52 172	52 271	52 440	52 717	55 457	52 942	53 050
Türkiye	26 681	27 273	28 291	28 503	30 984	31 493	31 571	31 962	32 203	32 294
Europe	**217 976**	**219 589**	**220 632**	**221 553**	**223 038**	**224 173**	**226 685**	**226 816**	**224 139**	**225 183**
Albania	1 913	2 047	2 105	2 162	2 387	2 507	2 493	2 519	2 556	2 620
Andorra	46	46	46	46	46	46	46	46	46	46
Austria	14 116	14 150	14 516	14 597	14 635	14 747	14 923	14 952	15 186	15 753
Belarus	74	95	95	95	96	96	96	97	86	86
Belgium	1 416	1 414	1 415	1 411	1 413	1 418	1 430	1 429	1 431	1 412
Bosnia Herzg	2 180	2 211	2 236	2 239	2 249	2 257	2 258	2 262	2 298	2 298
Bulgaria	3 223	3 372	3 379	3 378	3 376	3 369	3 422	3 424	3 418	3 418
Croatia	2 192	2 193	2 200	2 200	2 200	2 201	2 206	2 190	2 190	2 190
Czechia	2 262	2 265	2 264	2 265	2 265	2 285	2 285	2 288	2 290	2 289
Denmark	9	7	7	7	7	7	7	7	7	7
Estonia	6	7	7	6	8	6	8	10	8	8
Faroe Islands	39	39	40	40	40	40	40	40	40	40
Finland	3 133	3 156	3 152	3 157	3 164	3 171	3 171	3 169	3 209	3 218
France	25 621	25 707	25 727	25 868	25 899	25 936	25 909	26 058	26 024	26 035
Germany	11 207	11 120	10 684	10 733	10 808	10 844	10 923	10 951	10 821	11 031
Greece	3 392	3 392	3 409	3 412	3 417	3 421	3 421	3 459	3 481	3 488
Hungary	57	57	57	58	58	60	60	60	61	61
Iceland	1 987	1 995	2 099	2 104	2 114	2 114	2 105	2 147	2 132	2 132
Ireland	529	529	529	529	529	529	529	529	529	529
Italy	22 298	22 426	22 499	22 541	22 695	22 750	22 861	22 912	23 294	23 316
Kosovo*	78	80	80	85	110	110	110	110	110	110
Latvia	1 564	1 564	1 565	1 587	1 586	1 587	1 588	1 588	1 588	1 588
Lithuania	877	877	877	877	877	877	877	877	877	877
Luxembourg	1 330	1 331	1 330	1 330	1 331	1 331	1 330	1 330	1 330	1 330
Moldova Rep	64	64	64	64	64	64	64	65	65	65
Montenegro	668	675	676	676	697	697	697	697	705	705
Netherlands	37	37	37	37	37	38	38	38	38	38
North Macedonia	661	688	693	698	706	706	719	720	720	720
Norway	31 817	31 912	32 530	32 797	33 732	34 075	34 269	34 291	34 549	34 648
Poland	2 385	2 390	2 391	2 397	2 400	2 398	2 407	2 410	2 276	2 277
Portugal	6 960	7 226	7 236	7 262	7 241	7 255	8 189	8 187	8 362	8 372
Romania	6 734	6 692	6 701	6 686	6 652	6 662	6 663	6 687	6 659	6 711
Serbia	3 030	3 038	3 043	3 074	3 082	3 085	3 107	3 125	3 125	3 128
Slovakia	2 524	2 523	2 528	2 527	2 529	2 531	2 532	2 531	2 529	2 529
Slovenia	1 293	1 347	1 343	1 351	1 352	1 352	1 346	1 351	1 353	1 321
Spain	20 080	20 079	20 080	20 114	20 117	20 132	20 137	20 140	20 140	20 121
Sweden	16 466	16 502	16 431	16 462	16 406	16 407	16 399	16 406	16 269	16 305
Switzerland	14 806	15 353	15 542	15 574	15 594	15 612	16 568	16 597	16 597	16 622
UK	4 733	4 770	4 777	4 780	4 785	4 790	4 790	4 790	4 790	4 790
Ukraine	6 167	6 213	6 243	6 325	6 334	6 662	6 662	6 327	2 950	2 950
European Union	**149 978**	**150 630**	**150 632**	**151 061**	**151 269**	**151 581**	**152 928**	**153 252**	**153 640**	**154 493**
Middle East	**15 881**	**15 535**	**15 681**	**15 764**	**16 075**	**16 073**	**16 423**	**16 599**	**16 701**	**17 350**
Iran IR	11 578	11 953	12 099	12 182	12 193	12 193	12 543	12 719	12 821	12 821
Iraq	2 514	1 797	1 797	1 797	1 797	1 797	1 797	1 797	1 797	1 797
Israel	7	7	7	7	307	307	307	307	307	651
Jordan	6	6	6	6	6	4	4	4	4	4
Lebanon	282	282	282	282	282	282	282	282	282	282
Syrian AR	1 494	1 490	1 490	1 490	1 490	1 490	1 490	1 490	1 490	1 545
United Arab Em										250
N America	**195 667**	**196 253**	**197 089**	**197 387**	**197 814**	**199 477**	**199 804**	**199 825**	**199 678**	**200 302**
Canada	80 304	80 831	81 570	81 570	81 383	83 067	83 672	83 672	83 672	84 300
Greenland	91	91	91	91	91	91	91	91	91	91
Mexico	12 580	12 628	12 628	13 076	13 301	13 303	12 838	12 838	12 838	12 838
USA	102 692	102 703	102 800	102 650	103 039	103 016	103 202	103 224	103 077	103 072

Hydropower
Hydroélectricité
Hidroeléctrica

CAP (MW)	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
Oceania	**14 217**	**14 223**	**14 475**	**14 487**	**14 491**	**14 491**	**14 556**	**14 622**	**14 622**	**14 630**
Australia	8 271	8 271	8 523	8 523	8 523	8 523	8 523	8 523	8 523	8 523
Fiji	138	138	138	138	138	138	138	138	138	138
Fr Polynesia	47	48	48	49	49	49	49	49	49	49
Micronesia	1	1	1	1	1	1	1	1	1	1
New Caledon	78	78	78	78	81	81	81	81	81	81
New Zealand	5 435	5 435	5 435	5 443	5 443	5 443	5 502	5 502	5 502	5 501
Papua N Guin	241	241	241	241	241	241	244	309	309	318
Samoa	5	9	10	13	13	13	16	16	16	16
Solomon Is	0	0	0	0	0	0	0	0	0	0
Vanuatu	1	1	1	1	1	1	1	2	2	2
S America	**173 620**	**174 890**	**176 093**	**177 374**	**178 138**	**178 432**	**180 819**	**180 982**	**180 103**	**180 757**
Argentina	11 176	11 249	11 294	11 316	11 350	11 351	11 364	11 364	10 169	10 168
Bolivia	484	602	735	735	736	736	736	736	717	717
Brazil	106 584	107 549	107 748	109 095	109 276	109 409	109 756	109 921	109 982	110 273
Chile	6 672	6 657	6 628	6 342	6 820	6 798	7 504	7 412	7 465	7 637
Colombia	11 606	11 731	11 842	11 930	11 959	11 954	13 182	13 224	13 224	13 216
Ecuador	4 446	4 516	5 066	5 076	5 098	5 099	5 191	5 192	5 419	5 389
Fr Guiana	124	124	124	124	124	124	124	124	124	124
Guyana	2	2	2	2	2	2	2	2	3	5
Paraguay	8 800	8 800	8 800	8 824	8 824	8 824	8 824	8 824	8 824	8 824
Peru	5 179	5 113	5 230	5 387	5 406	5 503	5 504	5 549	5 544	5 773
South Georgia	0	0	0	0	0	0	0	0	0	0
Suriname	180	180	180	180	180	180	180	180	180	180
Uruguay	1 538	1 538	1 538	1 538	1 538	1 538	1 538	1 538	1 538	1 538
Venezuela	16 829	16 829	16 906	16 826	16 826	16 914	16 914	16 914	16 914	16 914

Renewable hydropower
Hydroélectricité renouvelable
Hidroeléctrica renovable

CAP (MW)	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
World	**1 138 787**	**1 157 246**	**1 176 250**	**1 191 764**	**1 212 070**	**1 235 533**	**1 260 033**	**1 270 018**	**1 277 381**	**1 295 765**
Africa	**28 002**	**30 761**	**32 133**	**32 979**	**33 803**	**34 342**	**36 093**	**37 877**	**39 771**	**45 368**
Algeria	228 u	228 u	228 u	228 u	209 e	129 u	129 u	129 u	129 e	129 u
Angola	1 700 e	2 393 e	3 061 e	3 395 e	3 729 e	3 729 e	3 729 e	3 729 e	3 729 e	3 729 u
Benin	1 u	1 u	1 u	1 o	1 o	1 o	1 o	1 o	1 o	1 o
Burkina Faso	32 o	32 o	32 u	32 u	32 u	32 u	32 u	34 o	34 o	34 u
Burundi	51 u	48 u	48 e	48 e	48 e	48 e	63 e	63 e	63 e	164 e
Cameroon	732 u	732 u	732 u	813 u	813 u	813 u	814 u	960 e	1 410 e	1 410 u
Cent Afr Rep	19 e	19 e	19 e	19 e	19 e	19 e	19 e	19 e	19 e	19 u
Comoros	1 u	1 u	1 u	1 u	1 u	1 u	1 u	1 u	1 e	1 e
Congo DR	2 429 u	2 440 e	2 598 e	2 608 e	2 608 e	2 608 e	2 932 e	3 188 e	3 247 e	3 247 u
Congo Rep	201 u	214 u	214 u	214 u	214 u	214 u	214 u	214 u	214 u	214 u
Cote d Ivoire	604 o	879 u	879 u	879 u	879 u	879 u	879 o	879 u	990 o	990 o
Egypt	2 800 o	2 800 o	2 832 o	2 832 o	2 832 u	2 832 u	2 832 u	2 832 e	2 832 e	2 832 e
Eq Guinea	126 o	126 u	127 o	127 u	127 u	127 u	127 u	127 u	127 u	127 u
Eswatini	62 e	62 e	62 e	62 e	62 e	62 e	62 e	64 e	64 e	64 u
Ethiopia	2 159 u	3 817 u	3 817 u	3 817 u	4 071 u	4 071 u	4 821 e	4 883 u	5 221 e	9 214 u
Gabon	171 e	172 e	172 e	320 e	320 e	320 e	320 e	320 e	320 e	320 u
Ghana	1 584 o	1 584 o	1 584 u	1 584 u	1 584 e	1 584 e	1 584 e	1 584 e	1 584 e	1 584 u
Guinea	369 e	369 e	369 e	364 e	589 e	814 e	814 e	814 e	814 e	814 u
Kenya	830 e	841 e	845 e	852 e	854 e	858 e	858 e	893 e	892 e	893 u
Lesotho	74 u	74 u	74 u	74 u	74 u	74 u	74 u	74 u	75 u	75 o
Liberia	27 e	93 e	93 e	93 e	93 e	93 e	93 e	93 e	93 e	95 u
Madagascar	164 e	164 e	164 e	164 e	164 e	164 e	192 e	193 e	193 e	193 u
Malawi	373 e	373 e	373 e	373 e	373 e	393 e	393 e	393 e	393 e	393 u
Mali	315 e	315 e	315 e	315 e	315 e	315 e	455 e	455 e	455 e	455 u
Mauritius	61 e	61 e	61 e	61 e	61 e	61 e	61 e	62 e	62 e	62 u
Morocco	1 306 u	1 306 u	1 306 u	1 306 o	1 306 o	1 306 o	1 306 o	1 306 o	1 306 o	1 306 o
Mozambique	2 193 e	2 193 e	2 193 e	2 193 e	2 194 e	2 194 e	2 194 e	2 194 e	2 194 e	2 194 u
Namibia	347 u	347 o	347 o	347 o	351 u	351 u	351 u	351 u	351 u	351 u
Nigeria	2 111 e	2 111 e	2 111 e	2 111 e	2 111 e	2 111 e	2 111 e	2 901 e	2 901 e	2 901 u
Reunion	133 o	133 o	133 e	133 e	133 e	134 e	134 u	134 o	134 o	134 o
Rwanda	98 e	98 e	98 e	108 e	118 e	118 e	124 e	124 e	153 e	111 u
Sao Tome Prn	2 o	2 o	2 o	2 o	2 o	2 o	2 o	2 o	2 o	2 o
Senegal										127 o
Sierra Leone	56 e	61 e	61 e	61 e	61 e	61 e	61 e	61 e	61 e	61 e
South Africa	748 e	748 e	748 e	748 e	748 e	752 e	752 e	752 e	752 e	752 u
Sudan	1 322 u	1 322 u	1 482 u	1 482 u	1 482 u	1 482 u	1 482 u	1 482 u	1 482 u	1 482 u
Tanzania	587 e	589 e	595 e	596 e	598 e	599 e	599 e	680 e	1 385 e	2 795 u
Togo	67 o	67 o	67 o	67 o	67 o	67 o	67 o	67 o	67 o	67 o
Tunisia	62 o	62 o	66 e	66 e	66 e	66 e	66 u	66 u	66 e	66 u
Uganda	695 e	707 e	744 e	1 005 e	1 016 e	1 073 e	1 100 e	1 511 e	1 711 e	1 718 e
Zambia	2 388 e	2 398 e	2 398 e	2 399 e	2 400 e	2 706 e	3 165 e	3 165 e	3 165 e	3 165 u
Zimbabwe	776 e	780 e	1 080 e	1 080 e	1 080 e	1 080 e	1 080 e	1 080 e	1 080 e	1 080 e
Asia	**454 837**	**466 152**	**478 684**	**489 447**	**503 713**	**522 645**	**539 350**	**543 677**	**554 675**	**564 769**
Afghanistan	329 u	349 u	349 u	349 u	349 u	366 u	468 u	468 u	470 u	487 u
Bangladesh	230 o	230 o	230 u	230 o	230 o	230 u	230 u	230 u	230 u	230 o
Bhutan	1 614 u	1 614 u	1 614 u	2 334 u	2 334 u	2 334 u	2 334 u	2 334 u	2 452 u	3 490 u
Cambodia	930 u	980 u	1 330 u	1 330 u	1 330 u	1 330 u	1 332 u	1 332 u	1 796 u	1 801 u
China	305 380 u	314 385 u	322 271 u	327 750 o	338 670 u	354 530 u	367 710 u	370 600 u	377 260 u	382 080 u
China HK SAR	1 e	1 e	1 e	1 e	1 e	1 e	1 u	1 u	1 e	1 u
Chinese Taipei	2 089 o	2 089 o	2 091 o	2 092 o	2 093 o	2 094 o	2 098 o	2 104 o	2 123 o	2 124 o
India	42 837 u	44 735 u	45 317 u	45 494 u	45 977 u	46 781 u	47 218 u	47 334 u	47 508 u	49 123 u
Indonesia	5 666 u	5 703 u	5 772 u	5 976 o	6 121 u	6 602 u	6 689 u	6 570 u	7 052 o	7 587 u
Japan	28 161 u	28 117 o	28 140 o	28 136 o	28 136 o	28 032 o	28 111 o	28 169 o	28 234 u	28 296 u
Kazakhstan	2 696 u	2 726 u	2 756 u	2 778 u	2 785 e	2 807 e	2 807 e	2 903 e	2 810 u	2 848 u
Korea DPR	4 701 o	4 761 o	4 790 o	4 790 o	4 865 o	4 865 o	4 890 o	4 910 o	4 970 o	4 970 u
Korea Rep	1 790 u	1 794 o	1 798 o	1 809 o	1 807 o	1 821 o	1 813 o	1 817 o	1 815 o	1 828 o
Kyrgyzstan	3 677 u	3 689 u	3 673 u	3 673 u	3 674 e	2 780 o	3 144 o	3 143 u	3 314 u	3 427 u
Lao PDR	4 869 u	5 109 u	5 387 u	6 229 u	8 018 u	8 961 u	9 651 u	9 776 u	10 189 u	10 357 u
Malaysia	6 116 e	5 895 e	6 169 e	6 191 e	6 189 e	6 218 e	6 227 e	6 268 e	6 268 e	6 268 e
Mongolia	31 u	31 u	31 u	31 u	29 e	29 u	29 e	29 u	29 u	30 u
Myanmar	3 262 u	3 262 u	3 269 u	3 269 u	3 269 u	3 269 u	3 269 u	3 269 u	3 269 e	3 269 u
Nepal	811 u	916 u	1 038 u	1 159 u	1 281 u	1 971 u	2 197 u	2 675 u	3 293 u	3 810 u
Pakistan	7 254 e	7 406 e	9 906 e	9 925 e	10 045 e	10 045 u	10 636 u	10 636 u	11 520 u	11 520 u
Philippines	2 888 u	2 898 u	2 984 u	3 027 u	3 045 u	3 048 u	3 039 u	3 096 u	3 133 u	3 153 u
Sri Lanka	1 726 u	1 745 u	1 797 u	1 813 u	1 797 u	1 801 u	1 831 u	1 845 u	1 969 u	1 969 u
Tajikistan	4 957 e	4 958 e	4 958 e	5 718 e	5 718 e	5 718 e	5 737 e	5 737 e	5 737 e	5 841 u
Thailand	3 089 e	3 089 e	3 108 e	3 108 e	3 110 u	3 110 u	3 126 u	3 132 u	3 132 u	3 132 u
Timor Leste	0 u	0 u	0 u	0 u	0 u	0 u	0 u	0 u	0 u	0 u
Turkmenistan	1 e	1 e	1 e	1 u	1 e	2 u	2 e	2 u	2 u	2 e
Uzbekistan	1 880 e	1 858 e	1 915 u	1 908 e	2 021 o	2 052 o	2 225 u	2 382 u	2 391 u	2 441 u
Viet Nam	17 849 u	17 809 u	17 989 u	20 326 u	20 817 u	21 847 u	22 535 u	22 915 u	23 707 u	24 683 u

Renewable hydropower
Hydroélectricité renouvelable
Hidroeléctrica renovable

CAP (MW)	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
C America + Carib	**7 615**	**7 762**	**8 040**	**8 152**	**8 269**	**8 322**	**8 367**	**8 481**	**8 466**	**8 474**
Belize	55 e	55 e	55 e	55 e	55 e	55 e	55 e	55 e	55 e	55 u
Costa Rica	2 329 o	2 329 o	2 373 o	2 344 o	2 332 o	2 379 o	2 331 o	2 372 e	2 353 o	2 342 o
Cuba	70 e	70 e	68 e	68 e	68 e	68 e	69 e	69 e	69 e	69 o
Dominica	7 e	7 e	7 e	7 e	7 e	7 e	7 u	8 u	8 u	8 o
Dominican Rep	613 e	614 e	616 e	625 e	625 e	625 e	624 e	624 e	625 e	625 o
El Salvador	495 e	574 e	575 e	576 e	574 e	572 e	572 e	638 e	638 e	638 u
Guadeloupe	9 e	11 e	11 e	11 e	11 e	11 e	11 e	11 e	11 e	11 o
Guatemala	1 393 e	1 438 e	1 502 e	1 575 e	1 578 e	1 572 e	1 574 e	1 575 e	1 575 e	1 575 u
Haiti	58 u	58 e	80 e	80 e	80 e	80 e	78 u	78 u	78 u	79 u
Honduras	677 e	682 e	707 e	730 e	838 e	850 e	910 e	910 e	912 e	932 u
Jamaica	30 e	30 e	30 u	30 u	30 u	30 u	30 u	30 u	30 u	30 u
Martinique				0 e	0 e					
Nicaragua	142 e	142 o	142 o	157 e	157 e	158 e	159 u	160 u	160 u	160 u
Panama	1 632 e	1 647 e	1 770 e	1 791 e	1 810 e	1 810 e	1 845 e	1 847 e	1 848 e	1 848 o
Puerto Rico	98 e	98 e	98 e	98 e	98 e	98 e	98 e	98 o	98 e	97 o
St Vincent Gren	6 e	6 u	6 u	6 u	6 u	6 u	6 u	6 u	6 e	6 o
Eurasia	**81 917**	**82 842**	**84 098**	**85 244**	**87 861**	**88 573**	**88 961**	**92 313**	**90 101**	**90 422**
Armenia	1 312 o	1 327 u	1 336 o	1 340 u	1 350 u	1 345 u	1 345 u	1 358 e	1 351 u	1 336 u
Azerbaijan	1 105 u	1 106 u	1 131 u	1 145 e	1 149 u	1 157 e	1 165 e	1 302 u	1 407 u	1 444 u
Georgia	3 160 u	3 113 u	3 220 u	3 300 u	3 323 u	3 354 u	3 379 u	3 450 u	3 414 u	3 515 u
Russian Fed	49 659 u	50 023 u	50 119 u	50 956 u	51 055 u	51 224 u	51 501 u	54 241 u	51 726 u	51 834 u
Türkiye	26 681 u	27 273 o	28 291 u	28 503 o	30 984 u	31 493 u	31 571 u	31 962 u	32 203 u	32 294 o
Europe	**189 296**	**191 125**	**192 272**	**193 192**	**194 672**	**195 484**	**198 008**	**198 106**	**195 728**	**196 750**
Albania	1 913 u	2 047 u	2 105 u	2 162 u	2 387 u	2 507 e	2 493 u	2 519 u	2 556 u	2 620 u
Andorra	46 o	46 o	46 o	46 o	46 u	46 u	46 e	46 u	46 e	46 u
Austria	14 116 u	14 150 u	14 516 u	14 597 u	14 635 e	14 747 u	14 923 u	14 952 u	15 186 u	15 753 u
Belarus	74 u	95 u	95 u	95 u	96 e	96 u	96 e	97 u	86 u	86 e
Belgium	109 o	107 e	108 o	104 o	106 o	111 u	123 u	122 u	124 u	107 u
Bosnia Herzg	1 760 o	1 791 u	1 816 o	1 819 o	1 829 u	1 837 u	1 838 u	1 842 u	1 878 u	1 878 u
Bulgaria	2 359 u	2 508 u	2 515 u	2 514 u	2 512 u	2 505 u	2 558 e	2 560 u	2 554 e	2 554 u
Croatia	2 192 u	2 193 u	2 200 u	2 200 u	2 200 u	2 201 u	2 206 u	2 190 u	2 190 o	2 190 e
Czechia	1 090 u	1 093 u	1 093 u	1 094 u	1 094 o	1 113 u	1 114 u	1 117 u	1 118 u	1 118 o
Denmark	9 u	7 u	7 u	7 e	7 u	7 u	7 u	7 u	7 e	7 u
Estonia	6 u	7 u	7 u	6 u	8 o	6 u	8 u	10 u	8 u	8 u
Faroe Islands	39 o	39 o	40 o	40 u	40 e	40 e	40 e	40 u	40 e	40 u
Finland	3 133 o	3 156 o	3 152 o	3 157 o	3 164 o	3 171 u	3 171 e	3 169 u	3 209 u	3 218 u
France	23 893 e	23 979 e	23 999 e	24 141 e	24 172 u	24 208 u	24 181 u	24 331 u	24 296 u	24 308 u
Germany	5 629 u	5 627 u	5 329 u	5 378 u	5 454 e	5 490 u	5 570 e	5 606 u	5 500 u	5 692 u
Greece	3 392 u	3 392 u	3 409 u	3 412 u	3 417 u	3 421 u	3 421 e	3 459 u	3 481 u	3 488 u
Hungary	57 u	57 u	57 u	58 u	58 u	60 u	60 e	60 o	61 u	61 u
Iceland	1 987 u	1 995 u	2 099 u	2 104 u	2 114 o	2 114 u	2 105 u	2 147 u	2 132 u	2 132 u
Ireland	237 u	237 u	237 u	237 u	237 u	237 u	237 e	237 u	237 e	237 u
Italy	18 316 u	18 486 u	18 558 u	18 601 u	18 755 u	18 809 u	18 933 u	18 942 u	19 324 u	19 346 u
Kosovo*	78 u	80 u	80 u	85 u	110 u	110 u	110 u	110 u	110 u	110 u
Latvia	1 564 u	1 564 u	1 565 u	1 587 u	1 586 u	1 587 u	1 588 u	1 588 u	1 588 u	1 588 u
Lithuania	117 u	117 u	117 u	117 u	117 u	117 u	117 e	117 u	117 u	117 u
Luxembourg	34 u	35 u	34 u	34 u	35 u	35 u	34 u	34 u	34 u	34 u
Moldova Rep	64 u	64 u	64 u	64 u	64 e	64 u	64 e	65 u	65 e	65 e
Montenegro	668 o	675 o	676 o	676 o	697 o	697 u	697 e	697 u	705 u	705 u
Netherlands	37 u	37 u	37 u	37 u	37 u	38 u	38 u	38 e	38 o	38 u
North Macedonia	661 u	688 u	693 u	698 u	706 u	706 u	719 u	720 u	720 u	720 u
Norway	31 817 u	31 912 u	32 530 u	32 797 u	33 732 u	34 075 u	34 269 e	34 291 u	34 549 u	34 648 u
Poland	972 u	967 u	968 u	974 u	977 u	975 u	984 e	987 u	988 u	989 u
Portugal	6 960 u	7 226 u	7 236 u	7 262 u	7 241 u	7 255 u	8 189 u	8 187 u	8 362 u	8 372 u
Romania	6 642 u	6 600 u	6 609 u	6 595 u	6 561 u	6 571 u	6 571 u	6 596 u	6 568 u	6 620 u
Serbia	2 416 u	2 424 u	2 429 u	2 460 u	2 468 u	2 471 e	2 493 e	2 511 u	2 511 e	2 514 u
Slovakia	1 608 u	1 607 u	1 612 u	1 611 u	1 613 o	1 615 e	1 616 u	1 615 u	1 613 u	1 613 u
Slovenia	1 113 u	1 167 u	1 163 u	1 171 u	1 172 o	1 172 e	1 166 u	1 171 u	1 173 u	1 141 o
Spain	16 749 u	16 748 u	16 748 u	16 782 u	16 785 u	16 801 u	16 806 u	16 809 u	16 809 e	16 789 u
Sweden	16 367 u	16 502 u	16 431 u	16 462 u	16 406 u	16 407 u	16 399 e	16 406 u	16 269 e	16 305 u
Switzerland	14 279 u	14 826 u	14 980 u	15 012 u	15 032 u	15 050 u	16 006 u	16 035 u	16 035 u	16 055 o
UK	2 133 e	2 170 u	2 177 u	2 180 e	2 185 u	2 190 u	2 190 e	2 190 e	2 190 u	2 190 u
Ukraine	4 658 u	4 704 u	4 734 e	4 816 u	4 819 u	4 823 u	4 823 u	4 488 u	1 250 u	1 250 u
European Union	**126 967**	**127 836**	**127 976**	**128 405**	**128 615**	**128 927**	**130 287**	**130 578**	**131 125**	**131 961**
Middle East	**14 601**	**14 255**	**14 401**	**14 484**	**14 495**	**14 493**	**14 843**	**15 019**	**15 121**	**15 176**
Iran IR	10 538 u	10 913 u	11 059 u	11 142 u	11 153 u	11 153 u	11 503 u	11 679 u	11 781 u	11 781 u
Iraq	2 274 u	1 557 u	1 557 u	1 557 u	1 557 u	1 557 u	1 557 u	1 557 u	1 557 u	1 557 u
Israel	7 o	7 o	7 o	7 o	7 o	7 o	7 o	7 o	7 o	7 o
Jordan	6 e	6 e	6 e	6 e	6 e	4 e	4 e	4 u	4 u	4 u
Lebanon	282 u	282 u	282 u	282 u	282 u	282 u	282 u	282 u	282 u	282 u
Syrian AR	1 494 o	1 490 o	1 490 o	1 490 u	1 490 u	1 490 u	1 490 u	1 490 u	1 490 e	1 545 o
N America	**176 466**	**177 021**	**177 837**	**178 187**	**178 413**	**180 536**	**180 819**	**180 726**	**180 579**	**181 203**
Canada	80 130 u	80 657 u	81 396 u	81 396 u	81 209 u	82 893 o	83 498 o	83 498 o	83 498 u	84 126 u
Greenland	91 u	91 u	91 u	91 u	91 u	91 u	91 u	91 u	91 e	91 u
Mexico	12 580 u	12 628 u	12 628 u	13 076 u	13 301 u	13 303 u	12 838 u	12 838 u	12 838 e	12 838 u
USA	83 665 u	83 644 o	83 722 o	83 624 o	83 811 o	84 249 o	84 392 o	84 299 o	84 152 u	84 147 o

Renewable hydropower
Hydroélectricité renouvelable
Hidroeléctrica renovable

CAP (MW)	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
Oceania	**13 407**	**13 413**	**13 665**	**13 677**	**13 681**	**13 681**	**13 746**	**13 812**	**13 812**	**13 820**
Australia	7 461 u	7 461 u	7 713 u	7 713 u	7 713 u	7 713 o	7 713 u	7 713 u	7 713 u	7 713 u
Fiji	138 u	138 u	138 u	138 u	138 u	138 u	138 u	138 u	138 e	138 e
Fr Polynesia	47 u	48 u	48 u	49 e	49 u	49 u	49 e	49 u	49 e	49 o
Micronesia	1 u	1 u	1 u	1 u	1 u	1 u	1 u	1 u	1 u	1 u
New Caledon	78 o	78 o	78 o	78 u	81 u	81 u	81 u	81 u	81 o	81 u
New Zealand	5 435 u	5 435 u	5 435 u	5 443 u	5 443 u	5 443 u	5 502 o	5 502 o	5 502 o	5 501 o
Papua N Guin	241 u	241 u	241 u	241 u	241 u	241 u	244 u	309 u	309 u	318 o
Samoa	5 u	9 u	10 u	13 u	13 u	13 u	16 u	16 u	16 u	16 u
Solomon Is	0 u	0 u	0 u	0 u	0 u	0 u	0 u	0 u	0 e	0 e
Vanuatu	1 u	1 u	1 u	1 u	1 e	1 u	1 u	2 e	2 e	2 o
S America	**172 646**	**173 916**	**175 119**	**176 400**	**177 164**	**177 458**	**179 845**	**180 008**	**179 129**	**179 783**
Argentina	10 202 e	10 275 e	10 320 e	10 342 e	10 376 e	10 377 e	10 390 e	10 390 e	9 195 u	9 194 u
Bolivia	484 e	602 e	735 e	735 e	736 e	736 e	736 e	736 o	717 o	717 u
Brazil	106 584 e	107 549 e	107 748 e	109 095 e	109 276 e	109 409 e	109 756 e	109 921 e	109 982 u	110 273 u
Chile	6 672 o	6 657 o	6 628 o	6 342 u	6 820 o	6 798 o	7 504 u	7 412 u	7 465 u	7 637 o
Colombia	11 606 u	11 731 o	11 842 o	11 930 u	11 959 u	11 954 e	13 182 e	13 224 e	13 224 u	13 216 u
Ecuador	4 446 e	4 516 u	5 066 e	5 076 e	5 098 o	5 099 e	5 191 e	5 192 e	5 419 u	5 389 u
Fr Guiana	124 o	124 o	124 o	124 o	124 o	124 o	124 o	124 o	124 o	124 o
Guyana	2 u	2 u	2 u	2 o	2 u	2 u	2 u	2 u	3 u	5 o
Paraguay	8 800 u	8 800 u	8 800 u	8 824 u	8 824 u	8 824 u	8 824 u	8 824 u	8 824 u	8 824 u
Peru	5 179 o	5 113 e	5 230 o	5 387 e	5 406 e	5 503 e	5 504 e	5 549 u	5 544 o	5 773 u
South Georgia	0 u	0 u	0 u	0 u	0 u	0 u	0 u	0 u	0 u	0 u
Suriname	180 e	180 e	180 u	180 u	180 u	180 u	180 u	180 u	180 u	180 u
Uruguay	1 538 o	1 538 o	1 538 o	1 538 o	1 538 o	1 538 o	1 538 o	1 538 o	1 538 o	1 538 o
Venezuela	16 829 u	16 829 u	16 906 u	16 826 u	16 826 u	16 914 u	16 914 u	16 914 u	16 914 u	16 914 u

Pumped hydro
Hydroaccumulation
Hidroacumulación

CAP (MW)	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
World	**116 995**	**119 843**	**120 366**	**120 613**	**122 319**	**127 083**	**136 513**	**141 772**	**149 527**	**159 822**
Africa	**2 863**	**3 196**	**3 196**	**3 196**	**3 196**	**3 196**	**3 196**	**3 196**	**3 546**	**3 546**
Morocco	464 u	464 o	464 u	464 o	464 o	464 o	464 o	464 o	814 u	814 o
South Africa	2 399 u	2 732 u	2 732 u	2 732 u	2 732 u	2 732 u	2 732 o	2 732 u	2 732 u	2 732 u
Asia	**61 971**	**64 671**	**65 271**	**65 571**	**66 771**	**71 671**	**81 071**	**86 181**	**93 884**	**103 564**
China	26 690 u	29 390 u	29 990 u	30 290 u	31 490 u	36 390 u	45 790 u	50 940 u	58 690 u	65 940 u
Chinese Taipei	2 602 o	2 602 o	2 602 o	2 602 o	2 602 o	2 602 o	2 602 o	2 602 o	2 602 o	2 602 o
India	4 786 o	4 786 o	4 786 u	4 786 o	4 786 u	4 786 u	4 786 u	4 746 u	4 746 u	7 176 o
Japan	21 897 u	21 897 u	21 897 u	21 897 u	21 897 u	21 897 u	21 897 u	21 897 u	21 850 o	21 850 o
Korea Rep	4 700 u	4 700 o	4 700 o	4 700 o	4 700 o	4 700 u	4 700 u	4 700 u	4 700 o	4 700 o
Mongolia	0 u	0 u	0 u	0 u	0 e	0 u	0 e	0 u	0 o	0 o
Philippines	736 o	736 o	736 o	736 o	736 u	736 u	736 u	736 u	736 u	736 o
Thailand	560 u	560 u	560 o	560 o	560 o	560 u	560 u	560 u	560 u	560 u
C America + Carib	**0**	**0**	**6**	**6**	**6**	**6**	**6**	**6**	**6**	**6**
Honduras			6 e	6 e	6 e	6 e	6 e	6 e	6 e	6 e
Eurasia	**1 216**	**1 216**	**1 216**	**1 216**	**1 216**	**1 216**	**1 216**	**1 216**	**1 216**	**1 216**
Russian Fed	1 216 u	1 216 u	1 216 e	1 216 u	1 216 u	1 216 u	1 216 u	1 216 u	1 216 u	1 216 u
Europe	**28 680**	**28 464**	**28 360**	**28 360**	**28 365**	**28 689**	**28 676**	**28 710**	**28 412**	**28 433**
Belgium	1 307 e	1 307 e	1 307 e	1 307 e	1 307 e	1 307 u	1 307 e	1 307 o	1 307 u	1 305 u
Bosnia Herzg	420 o	420 o	420 u	420 o	420 u	420 u	420 e	420 o	420 e	420 u
Bulgaria	864 u	864 u	864 u	864 u	864 u	864 u	864 e	864 u	864 e	864 u
Czechia	1 172 u	1 172 u	1 172 u	1 172 u	1 172 u	1 172 u	1 172 e	1 172 u	1 172 e	1 172 u
France	1 728 u	1 728 u	1 728 u	1 728 u	1 728 u	1 728 u	1 728 e	1 728 u	1 728 u	1 728 u
Germany	5 578 u	5 493 u	5 355 u	5 355 u	5 354 o	5 354 u	5 353 u	5 345 u	5 321 u	5 339 u
Ireland	292 u	292 u	292 u	292 u	292 u	292 u	292 e	292 u	292 e	292 u
Italy	3 982 u	3 940 u	3 940 u	3 940 u	3 940 u	3 940 u	3 928 u	3 970 u	3 970 e	3 970 u
Lithuania	760 u	760 u	760 u	760 u	760 u	760 u	760 e	760 e	760 e	760 u
Luxembourg	1 296 u	1 296 u	1 296 u	1 296 u	1 296 u	1 296 u	1 296 e	1 296 o	1 296 o	1 296 u
Poland	1 413 u	1 423 u	1 423 u	1 423 u	1 423 u	1 423 u	1 423 e	1 423 u	1 288 u	1 288 u
Romania	92 u	92 u	92 u	92 u	92 u	92 u	92 e	92 u	92 e	92 u
Serbia	614 u	614 u	614 o	614 u	614 u	614 u	614 e	614 u	614 e	614 u
Slovakia	916 u	916 u	916 u	916 u	916 u	916 u	916 e	916 u	916 e	916 u
Slovenia	180 u	180 u	180 u	180 u	180 u	180 u	180 e	180 u	180 e	180 u
Spain	3 331 o	3 331 u	3 331 u	3 331 u	3 331 u	3 331 u	3 331 e	3 331 e	3 331 e	3 331 u
Sweden	99 u									
Switzerland	527 u	527 u	562 u	562 u	562 u	562 u	562 e	562 u	562 e	568 o
UK	2 600 u	2 600 u	2 600 u	2 600 o	2 600 u	2 600 u	2 600 e	2 600 e	2 600 o	2 600 u
Ukraine	1 509 u	1 509 o	1 509 u	1 509 u	1 515 u	1 839 u	1 839 u	1 839 u	1 700 u	1 700 u
European Union	**23 010**	**22 794**	**22 655**	**22 655**	**22 654**	**22 654**	**22 641**	**22 675**	**22 516**	**22 532**
Middle East	**1 280**	**1 280**	**1 280**	**1 280**	**1 580**	**1 580**	**1 580**	**1 580**	**1 580**	**2 174**
Iran IR	1 040 u	1 040 u	1 040 o	1 040 u	1 040 u	1 040 e	1 040 u	1 040 u	1 040 u	1 040 u
Iraq	240 u	240 u	240 u	240 u	240 u	240 u	240 u	240 u	240 u	240 u
Israel					300 u	300 u	300 u	300 u	300 e	644 u
United Arab Em										250 u
N America	**19 201**	**19 233**	**19 253**	**19 199**	**19 401**	**18 941**	**18 985**	**19 099**	**19 099**	**19 099**
Canada	174 o	174 u	174 u	174 u	174 u	174 u	174 u	174 u	174 u	174 u
USA	19 027 u	19 059 o	19 079 o	19 025 o	19 227 o	18 767 o	18 811 o	18 925 o	18 925 u	18 925 o
Oceania	**810**	**810**	**810**	**810**	**810**	**810**	**810**	**810**	**810**	**810**
Australia	810 u	810 u	810 u	810 o	810 o	810 o	810 u	810 u	810 u	810 u
S America	**974**	**974**	**974**	**974**	**974**	**974**	**974**	**974**	**974**	**974**
Argentina	974 o	974 o	974 o	974 o	974 o	974 o	974 o	974 e	974 u	974 u

Marine energy
Énergie marine
Energía marina

CAP (MW)	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
World	**524**	**527**	**527**	**525**	**491**	**491**	**492**	**494**	**490**	**490**
Africa	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**2**	**2**	**2**
Sao Tome Prn								2 u	2 u	2 u
Asia	**260**	**260**	**260**	**260**	**261**	**261**	**261**	**261**	**260**	**260**
China	4 u	4 u	4 u	4 u	5 u	5 u	5 u	5 u	5 u	5 u
Korea DPR	1 u	1 u	1 u	1 u	1 u	1 u	1 u	1 u	1 u	1 u
Korea Rep	255 u	255 o	255 o	256 o	256 o	256 o	256 o	256 u	255 o	255 o
Singapore	0 u	0 u	0 u	0 u	0 u	0 u	0 u	0 u	0 u	0 u
Eurasia	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**0**	**0**
Russian Fed	1 u	1 u	1 u	1 u	1 u	1 u	1 u	1 u	0 u	0 u
Europe	**242**	**245**	**246**	**243**	**229**	**228**	**229**	**229**	**227**	**227**
Faroe Islands					0 o	0 u	0 e	0 u	0 e	0 u
France	220 u	219 u	218 u	214 u	212 u	211 u	212 u	212 u	210 u	210 u
Netherlands	2 u	2 u	2 u	2 u	2 u	2 u	2 e	2 u	2 e	2 u
Norway	0 u	0 u	0 u	0 u	0 u	0 u	0 e	0 u	0 e	0 u
Portugal	1 u	0 u	0 u							
Spain	5 u	5 u	5 u	5 u	5 u	5 u	5 e	5 u	5 e	5 u
Sweden	0 u	0 u	0 u							
UK	13 e	18 u	20 e	22 e	10 o	10 o	10 o	10 o	10 o	10 u
European Union	**228**	**226**	**225**	**221**	**219**	**218**	**219**	**219**	**217**	**217**
Middle East	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Israel								0 e	0 e	0 u
N America	**20**	**20**	**20**	**20**	**1**	**1**	**1**	**1**	**1**	**1**
Canada	20 u	20 u	20 u	20 u	1 u	1 u	1 u	1 u	1 u	1 u
USA	0 u	0 o	0 u							
Oceania	**1**	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Australia	1 u	1 u								
New Zealand				0 o	0 o	0 u	0 u	0 o		0 o
S America	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Brazil	0 u	0 u	0 u	0 u	0 u	0 u	0 u	0 u	0 u	0 u

Wind energy
Énergie éolienne
Energía eólica

CAP (MW)	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
World	**467 316**	**514 972**	**563 516**	**623 076**	**733 274**	**824 193**	**903 089**	**1 018 224**	**1 132 690**	**1 291 368**
Africa	**3 831**	**4 579**	**5 472**	**5 529**	**6 515**	**6 910**	**7 746**	**8 866**	**9 586**	**11 469**
Algeria	10	10	10	10	10	10	10	10	10	10
Cabo Verde	27	27	27	27	27	27	27	27	27	40
Chad	1	1	1	1	1	1	1	1	1	1
Djibouti						20	20	80	80	80
Egypt	755	755	1 130	1 132	1 380	1 640	1 643	1 890	2 199	3 028
Eritrea	1	1	1	1	1	1	1	1	1	1
Ethiopia	324	324	324	324	324	324	404	324	404	504
Gambia	1	1	1	1	1	1	1	1	1	1
Ghana	0	0	0	0	0	0	0	0	0	0
Kenya	26	26	336	336	336	436	436	436	436	436
Madagascar	0	0	0	0	0	0	0	0	0	0
Mauritania	34	34	34	34	34	34	34	137	137	137
Mauritius	11	11	11	11	11	11	11	11	11	11
Morocco	902	1 022	1 225	1 225	1 435	1 471	1 558	2 076	2 395	2 452
Namibia	0	6	6	6	6	6	6	6	6	6
Reunion	17	17	17	17	17	17	15	9	20	20
Senegal				55	159	159	159	159	159	159
Seychelles	6	6	6	6	6	6	6	6	6	6
Somalia	3	4	4	4	4	4	4	4	4	4
South Africa	1 473	2 094	2 094	2 094	2 516	2 495	3 163	3 442	3 442	4 326
Tanzania					2	2	2	2	2	2
Tunisia	240	240	245	245	245	245	245	245	245	245
Asia	**184 112**	**204 945**	**228 977**	**257 669**	**331 942**	**384 803**	**426 482**	**508 540**	**594 134**	**723 843**
Afghanistan	0	0	0	0	0	0	0	0	0	0
Bangladesh	3	3	3	3	3	3	3	3	63	63
Bhutan	1	1	1	1	1	1	1	1	1	1
Cambodia	0	0	0	0	0	0	0	0	0	0
China	148 517	164 374	184 665	209 582	281 993	328 973	365 964	441 895	521 266	640 626
China HK SAR		1	1	1	1	1	1	1	1	1
Chinese Taipei	682	692	713	845	937	1 094	1 581	2 677	3 905	4 517
India	28 700	32 848	35 288	37 505	38 559	40 067	41 930	44 736	48 163	54 511
Indonesia	1	1	144	154	154	154	154	152	152	152
Japan	3 205	3 483	3 498	3 951	4 119	4 262	4 483	5 369	5 858	6 238
Kazakhstan	98	112	121	284	486	684	1 108	1 395	1 520	1 909
Korea DPR	1	1	1	1	2	2	2	2	2	2
Korea Rep	1 035	1 143	1 303	1 494	1 645	1 709	1 946	2 165	2 261	2 451
Lao PDR										1 150
Maldives	1	1	1	1	1	1	1	1	1	1
Mongolia	51	101	156	156	156	156	156	155	156	155
Myanmar	0	0	0	0	0	0	0	0	0	0
Nepal	0	0	0	0	0	0	0	0	0	0
Pakistan	591	789	1 186	1 236	1 236	1 335	1 845	1 845	1 845	1 845
Philippines	427	427	427	443	443	443	443	443	443	518
Singapore		0	0	0	0	0	0	0	0	0
Sri Lanka	131	131	128	128	179	252	252	267	267	267
Thailand	507	628	1 103	1 507	1 507	1 545	1 545	1 544	1 544	1 544
Uzbekistan		1	1	1	1	1	1	1	501	1 652
Viet Nam	160	205	237	375	518	4 118	5 065	5 888	6 185	6 239
C America + Carib	**1 485**	**1 611**	**1 737**	**1 956**	**1 970**	**1 993**	**2 111**	**2 128**	**2 191**	**2 267**
Antigua Barb					0	0	0			
Aruba	30	30	30	30	30	30	30	30	30	20
Bahamas	0	0	0	0	0	0	0	0	0	0
Barbados	0	0	0	0	0	0	1	1	1	1
Belize	0	0	0	0	0	0	0	0	0	0
BES Islands	11	11	11	11	11	11	11	11	11	11
Br Virgin Is	1	1	1	1	1	1	1	1	1	
Cayman Is			1	1	1	1	1	1	1	1
Costa Rica	319	378	408	411	394	390	390	408	402	437
Cuba	16	16	16	16	16	16	16	16	16	16
Curacao	30	47	47	47	47	47	47	47	70	70
Dominica	0	0	0	0	0	0	0	0	0	0
Dominican Rep	135	135	183	370	370	370	417	417	433	482
El Salvador					36	54	54	54	54	54
Grenada	0	0	0	0	0	0	0	0	0	0
Guadeloupe	27	27	43	48	42	52	56	56	57	57
Guatemala	76	76	107	107	107	107	107	107	107	107
Haiti			0	0	0	0	0	0	0	0
Honduras	179	229	229	239	239	239	239	239	239	242
Jamaica	102	102	102	102	102	102	102	102	102	102
Martinique	1	1	1	14	15	14	14	14	14	14
Nicaragua	186	186	186	186	186	186	186	186	186	186
Panama	270	270	270	270	270	270	336	336	336	336
Puerto Rico	99	99	99	99	99	99	99	99	128	128
St Kitts Nevis	2	2	2	2	2	2	2	2	2	2
Trinidad Tobago	0	0	0	0	0	0	0	0	0	0
US Virgin Is	0	0	0	0	0	0	0	0	0	0

Wind energy
Énergie éolienne
Energía eólica

CAP (MW)	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
Eurasia	**5 895**	**6 695**	**7 291**	**7 878**	**9 963**	**12 746**	**13 765**	**14 429**	**15 528**	**17 749**
Armenia	3	3	3	3	3	3	3	3	3	3
Azerbaijan	16	16	66	66	66	66	64	67	67	64
Georgia	20	20	20	21	21	21	21	21	21	21
Russian Fed	106	141	196	197	1 041	2 050	2 280	2 532	2 567	2 880
Türkiye	5 751	6 516	7 005	7 591	8 832	10 607	11 396	11 806	12 871	14 781
Europe	**155 727**	**170 616**	**181 788**	**196 127**	**207 816**	**221 396**	**240 422**	**257 169**	**270 056**	**283 935**
Austria	2 730	2 887	3 133	3 224	3 226	3 422	3 622	3 896	4 092	4 292
Belarus	62	84	92	112	112	112	120	122	122	122
Belgium	2 334	2 779	3 305	3 864	4 673	4 948	5 303	5 454	5 644	5 851
Bosnia Herzg	0	0	51	87	87	135	135	135	219	244
Bulgaria	699	698	699	703	703	704	704	704	706	706
Croatia	483	576	586	646	801	987	987	1 160	1 303	1 375
Cyprus	158	158	158	158	158	158	158	158	158	170
Czechia	282	308	316	339	339	339	339	343	363	369
Denmark	5 245	5 489	6 123	6 111	6 259	7 004	7 105	7 291	7 512	7 547
Estonia	310	312	310	316	317	316	316	337	693	705
Faroe Islands	20	20	16	13	19	23	48	66	68	68
Finland	1 565	2 044	2 041	2 284	2 586	3 257	5 677	6 946	8 360	9 383
France	11 567	13 499	14 900	16 444	17 455	18 442	20 915	23 096	24 241	25 655
Germany	49 435	55 580	58 721	60 742	62 201	63 711	66 202	69 438	72 745	77 808
Greece	2 370	2 624	2 877	3 589	4 119	4 649	4 702	5 232	5 366	5 706
Hungary	329	329	329	323	323	324	324	325	325	325
Iceland	3	2	2	2	2	2	2	4	4	4
Ireland	2 802	3 319	3 674	4 126	4 307	4 339	4 536	4 739	4 943	5 128
Italy	9 384	9 737	10 230	10 679	10 871	11 254	11 821	12 307	12 960	13 568
Kosovo*	1	34	34	34	34	34	68	68	137	137
Latvia	70	77	78	78	78	77	82	128	131	133
Lithuania	509	518	533	534	540	671	946	1 284	1 832	2 510
Luxembourg	120	120	123	136	153	136	165	207	213	232
Malta	0	0	0	0	0	0	0	0	0	0
Moldova Rep	2	9	33	35	41	67	115	141	158	247
Montenegro		72	72	118	118	118	118	118	118	118
Netherlands	4 257	4 202	4 393	4 484	6 648	7 646	8 700	10 802	11 703	11 783
North Macedonia	37	37	37	37	37	37	37	73	73	103
Norway	883	1 207	1 710	2 914	4 030	5 049	5 062	5 064	5 158	5 158
Poland	5 747	5 759	5 766	5 838	6 298	6 967	8 150	9 343	10 152	10 602
Portugal	5 124	5 124	5 172	5 223	5 122	5 427	5 538	5 538	5 600	5 605
Romania	3 025	3 030	3 032	3 038	3 013	3 015	3 015	3 027	3 095	3 283
Serbia	17	25	227	398	398	398	398	510	604	803
Slovakia	3	4	4	4	4	4	4	4	4	4
Slovenia	3	3	3	3	3	3	3	3	3	4
Spain	22 990	23 124	23 405	25 590	26 819	27 908	30 114	30 868	32 184	33 301
Sweden	6 435	6 611	7 300	8 681	9 976	12 116	14 279	16 224	16 819	17 381
Switzerland	75	75	75	75	87	88	88	88	102	111
UK	16 126	19 585	21 606	23 887	24 458	25 748	28 761	30 163	32 146	33 396
Ukraine	526	553	621	1 258	1 402	1 761	1 761	1 761		
European Union	**138 020**	**148 957**	**157 273**	**167 236**	**177 066**	**187 908**	**203 794**	**218 934**	**231 239**	**243 517**
Middle East	**409**	**494**	**623**	**785**	**933**	**1 041**	**1 581**	**1 911**	**1 937**	**1 939**
Bahrain	1	1	1	1	1	1	3	3	3	3
Iran IR	191	259	282	305	308	310	342	365	376	378
Israel	27	27	27	27	27	27	136	343	347	347
Jordan	184	198	295	384	529	632	632	631	631	631
Kuwait	2	2	12	12	12	12	12	12	12	12
Lebanon	3	3	3	3	3	3	3	3	3	3
Oman				50	50	50	50	50	50	50
Saudi Arabia		3	3	3	3	3	400	400	400	400
Syrian AR						3	3	5	5	5
United Arab Em						0	0	99	110	110
N America	**97 310**	**104 028**	**111 513**	**123 432**	**139 005**	**154 199**	**164 372**	**170 975**	**177 562**	**184 083**
Canada	11 973	12 250	12 816	13 220	13 532	13 878	15 237	16 137	17 397	17 745
Greenland			0	0	0	0	0	0	0	0
Mexico	4 051	4 180	4 180	6 541	6 995	7 469	7 634	7 318	7 512	7 512
USA	81 286	87 598	94 517	103 670	118 478	132 852	141 501	147 520	152 653	158 826
Oceania	**5 425**	**6 150**	**7 153**	**8 626**	**10 952**	**11 523**	**12 989**	**14 029**	**16 901**	**17 686**
Australia	4 683	5 407	6 409	7 881	10 207	10 555	11 966	12 908	15 563	16 348
Cook Is	0	0	0	0	0	0	0			
Fiji	10	10	10	10	10	10	10	10	10	10
Fr Polynesia	0	0	0	0	0	0	0	0	0	0
Guam	0	0	0	0	0	0	0	0	0	0
Marshall Is	0	0	0	0	0	0	0	0	0	0
Micronesia			1	1	1	1	1	1	1	1
New Caledon	38	38	38	38	38	38	58	58	58	58
New Zealand	690	691	691	691	691	914	948	1 046	1 263	1 263
Samoa	1	1	1	1	1	1	1	1	1	1
Tokelau				0	0	0	0	0	0	0
Tonga	0	0	0	1	1	1	1	1	1	1
Vanuatu	4	3	3	3	3	3	3	3	3	3

Wind energy
Énergie éolienne
Energía eólica

CAP (MW)	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
S America	**13 121**	**15 853**	**18 963**	**21 074**	**24 179**	**29 581**	**33 622**	**40 178**	**44 795**	**48 396**
Argentina	188	228	751	1 609	2 624	3 292	3 310	3 706	4 320	4 497
Bolivia	27	27	27	27	27	128	128	135	135	135
Brazil	10 322	12 451	14 514	15 457	17 217	21 002	24 196	29 113	32 920	34 866
Chile	1 039	1 302	1 692	1 999	2 293	3 140	3 824	4 533	4 717	5 884
Colombia	18	18	18	18	18	18	34	34	34	34
Ecuador	21	21	21	21	21	21	21	71	71	71
Falklands Malv	3	3	3	3	3	3	3	3	3	3
Guyana	0	0	0	0	0	0	0	0	0	0
Paraguay					0	0	0	0	0	0
Peru	240	240	372	372	409	409	539	1 016	1 027	1 340
South Georgia	0	0	0	0	0	0	0	0	0	0
Uruguay	1 212	1 513	1 513	1 516	1 516	1 516	1 516	1 516	1 516	1 516
Venezuela	50	50	50	50	50	50	50	50	50	50

Onshore wind energy
Énergie éolienne terrestre
Energía eólica terrestre

CAP (MW)	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
World	**452 939**	**496 167**	**539 956**	**594 813**	**698 934**	**769 925**	**840 466**	**943 837**	**1 049 945**	**1 199 987**
Africa	**3 831**	**4 579**	**5 472**	**5 529**	**6 515**	**6 910**	**7 746**	**8 866**	**9 586**	**11 469**
Algeria	10 u	10 u	10 u	10 u	10 u	10 u	10 u	10 u	10 e	10 u
Cabo Verde	27 u	27 u	27 o	27 o	27 o	27 o	27 o	27 o	27 o	40 u
Chad	1 u	1 u	1 u	1 u	1 o	1 e	1 e	1 e	1 e	1 e
Djibouti						20 u	20 u	80 u	80 e	80 u
Egypt	755 u	755 o	1 130 u	1 132 u	1 380 u	1 640 e	1 643 e	1 890 e	2 199 e	3 028 u
Eritrea	1 u	1 u	1 u	1 u	1 u	1 u	1 u	1 u	1 u	1 u
Ethiopia	324 u	324 u	324 u	324 u	324 u	324 u	404 e	324 u	404 e	504 u
Gambia	1 u	1 u	1 o	1 o	1 o	1 o	1 o	1 o	1 o	1 o
Ghana	0 u	0 u	0 u	0 u	0 u	0 u	0 o	0 o	0 o	0 o
Kenya	26 o	26 u	336 u	336 o	336 o	436 o	436 o	436 o	436 o	436 o
Madagascar	0 o	0 u	0 u	0 u	0 u	0 u	0 u	0 u	0 u	0 u
Mauritania	34 o	34 o	34 u	34 u	34 u	34 u	34 u	137 u	137 e	137 u
Mauritius	11 o	11 o	11 o	11 o	11 o	11 o	11 o	11 o	11 u	11 o
Morocco	902 e	1 022 e	1 225 u	1 225 u	1 435 e	1 471 e	1 558 u	2 076 u	2 395 u	2 452 o
Namibia	0 u	6 o	6 o	6 o	6 o	6 o	6 o	6 o	6 o	6 o
Reunion	17 o	17 u	17 o	17 u	17 u	17 u	15 o	9 o	20 o	20 o
Senegal				55 o	159 o	159 o	159 o	159 o	159 u	159 o
Seychelles	6 o	6 o	6 o	6 o	6 o	6 o	6 o	6 o	6 u	6 o
Somalia	3 u	4 u	4 u	4 u	4 e	4 u	4 u	4 u	4 e	4 u
South Africa	1 473 o	2 094 o	2 094 o	2 094 o	2 516 u	2 495 u	3 163 u	3 442 u	3 442 u	4 326 u
Tanzania					2 u	2 u	2 u	2 u	2 u	2 u
Tunisia	240 e	240 e	245 e	245 e	245 e	245 u	245 u	245 u	245 e	245 u
Asia	**182 427**	**201 940**	**224 144**	**251 374**	**322 530**	**356 962**	**393 960**	**468 052**	**548 243**	**671 232**
Afghanistan	0 u	0 u	0 u	0 u	0 u	0 u	0 u	0 u	0 u	0 u
Bangladesh	3 o	3 o	3 u	3 o	3 o	3 u	3 u	3 u	63 u	63 u
Bhutan	1 u	1 u	1 u	1 u	1 u	1 u	1 u	1 u	1 u	1 u
Cambodia	0 u	0 u	0 u	0 u	0 u	0 u	0 u	0 u	0 u	0 u
China	147 037 u	161 586 u	180 077 u	203 652 u	273 003 u	302 583 u	335 504 u	404 605 u	479 996 u	593 236 u
China HK SAR		1 e	1 e	1 e	1 e	1 e	1 u	1 u	1 e	1 u
Chinese Taipei	682 o	684 o	705 o	717 o	809 o	825 o	836 o	914 o	918 o	930 o
India	28 700 o	32 848 o	35 288 o	37 505 o	38 559 o	40 067 u	41 930 u	44 736 u	48 163 u	54 511 o
Indonesia	1 o	1 o	144 o	154 o	154 u	154 u	154 u	152 u	152 o	152 u
Japan	3 140 u	3 418 o	3 433 o	3 886 o	4 061 o	4 210 o	4 303 o	5 184 o	5 573 u	5 953 u
Kazakhstan	98 u	112 u	121 u	284 u	486 e	684 e	1 108 e	1 395 e	1 520 u	1 909 u
Korea DPR	1 u	1 u	1 u	1 u	2 u	2 u	2 u	2 u	2 u	2 u
Korea Rep	995 u	1 098 u	1 230 u	1 421 u	1 509 u	1 573 u	1 803 u	2 019 u	2 015 u	2 205 u
Lao PDR										1 150 u
Maldives	1 u	1 u	1 u	1 u	1 u	1 u	1 u	1 u	1 e	1 u
Mongolia	51 u	101 u	156 u	156 u	156 e	156 u	156 e	155 u	156 u	155 u
Myanmar	0 u	0 u	0 u	0 u	0 u	0 u	0 u	0 u	0 e	0 u
Nepal	0 u	0 u	0 o	0 o	0 u	0 u	0 u	0 u	0 u	0 u
Pakistan	591 e	789 e	1 186 e	1 236 e	1 236 e	1 335 e	1 845 e	1 845 e	1 845 e	1 845 e
Philippines	427 o	427 o	427 o	443 u	443 u	443 u	443 u	443 u	443 u	518 u
Singapore		0 u	0 u	0 u	0 u	0 u	0 u	0 u	0 u	0 u
Sri Lanka	131 o	131 o	128 o	128 o	179 o	252 o	252 o	267 o	267 o	267 u
Thailand	507 u	628 u	1 103 u	1 507 u	1 507 u	1 545 u	1 545 u	1 544 u	1 544 u	1 544 o
Uzbekistan		1 u	1 u	1 u	1 e	1 u	1 e	1 u	501 u	1 652 u
Viet Nam	61 u	106 u	138 u	275 u	419 u	3 124 u	4 071 u	4 784 u	5 081 u	5 135 u
C America + Carib	**1 485**	**1 611**	**1 737**	**1 956**	**1 970**	**1 993**	**2 111**	**2 128**	**2 191**	**2 267**
Antigua Barb					0 u	0 u	0 u			
Aruba	30 e	30 e	30 u	30 o	30 u	30 u	30 u	30 u	30 e	20 o
Bahamas	0 u	0 u	0 u	0 u	0 u	0 u	0 u	0 u	0 u	0 u
Barbados	0 u	0 u	0 u	0 u	0 u	0 u	1 u	1 u	1 e	1 u
Belize	0 u	0 u	0 u	0 u	0 u	0 u	0 u	0 u	0 u	0 u
BES Islands	11 u	11 u	11 u	11 u	11 u	11 u	11 u	11 u	11 e	11 o
Br Virgin Is	1 u	1 u	1 u	1 u	1 u	1 u	1 u	1 u	1 e	
Cayman Is			1 u	1 u	1 u	1 u	1 u	1 u	1 u	1 u
Costa Rica	319 o	378 o	408 o	411 o	394 o	390 o	390 o	408 e	402 o	437 o
Cuba	16 e	16 e	16 e	16 e	16 e	16 e	16 e	16 e	16 e	16 o
Curacao	30 e	47 u	47 e	47 e	47 e	47 u	47 u	47 u	70 u	70 o
Dominica	0 e	0 e	0 e	0 e	0 e	0 u	0 u	0 u	0 e	0 o
Dominican Rep	135 e	135 e	183 e	370 e	370 o	370 e	417 e	417 e	433 u	482 o
El Salvador					36 o	54 o	54 u	54 o	54 o	54 o
Grenada	0 u	0 u	0 u	0 u	0 u	0 u	0 u	0 u	0 e	0 u
Guadeloupe	27 e	27 e	43 e	48 e	42 e	52 e	56 e	56 e	57 e	57 o
Guatemala	76 o	76 o	107 o	107 o	107 o	107 o	107 o	107 o	107 o	107 o
Haiti			0 u	0 u	0 u	0 u	0 u	0 u	0 u	0 u
Honduras	179 u	229 u	229 u	239 u	239 u	239 e	239 e	239 e	239 e	242 u
Jamaica	102 u	102 u	102 u	102 u	102 u	102 u	102 u	102 u	102 u	102 u
Martinique	1 o	1 u	1 o	14 e	15 e	14 e	14 u	14 u	14 e	14 o
Nicaragua	186 e	186 e	186 o	186 o	186 o	186 u	186 u	186 u	186 e	186 u
Panama	270 e	270 e	270 o	270 o	270 u	270 e	336 e	336 e	336 e	336 e
Puerto Rico	99 e	99 e	99 e	99 e	99 e	99 e	99 e	99 o	128 e	128 o
St Kitts Nevis	2 e	2 u	2 u	2 u	2 u	2 u	2 u	2 u	2 e	2 u
Trinidad Tobago	0 e	0 e	0 u	0 u	0 u	0 u	0 u	0 u	0 e	0 o
US Virgin Is	0 o	0 o	0 u	0 u	0 u	0 u	0 u	0 e	0 e	0 o

Onshore wind energy
Énergie éolienne terrestre
Energía eólica terrestre

CAP (MW)	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
Eurasia	**5 895**	**6 695**	**7 291**	**7 878**	**9 963**	**12 746**	**13 765**	**14 429**	**15 528**	**17 749**
Armenia	3 o	3 u	3 o	3 u	3 u	3 u	3 e	3 e	3 u	3 u
Azerbaijan	16 u	16 u	66 u	66 u	66 e	66 e	64 e	67 u	67 u	64 u
Georgia	20 o	20 o	20 o	21 o	21 u	21 u	21 u	21 u	21 u	21 u
Russian Fed	106 u	141 u	196 u	197 u	1 041 u	2 050 u	2 280 u	2 532 u	2 567 u	2 880 u
Türkiye	5 751 u	6 516 u	7 005 u	7 591 o	8 832 u	10 607 u	11 396 u	11 806 u	12 871 u	14 781 o
Europe	**143 063**	**154 846**	**163 091**	**174 188**	**182 917**	**195 010**	**210 363**	**223 310**	**233 373**	**245 337**
Austria	2 730 u	2 887 u	3 133 u	3 224 u	3 226 e	3 422 u	3 622 u	3 896 u	4 092 u	4 292 o
Belarus	62 u	84 u	92 u	112 u	112 u	112 u	120 u	122 u	122 u	122 u
Belgium	1 622 u	1 902 e	2 119 e	2 308 u	2 411 u	2 687 u	3 042 u	3 192 u	3 383 u	3 589 u
Bosnia Herzg	0 o	0 o	51 o	87 o	87 u	135 u	135 e	135 o	219 u	244 o
Bulgaria	699 u	698 u	699 u	703 u	703 u	704 u	704 u	704 u	706 u	706 u
Croatia	483 u	576 u	586 u	646 u	801 u	987 u	987 u	1 160 u	1 303 u	1 375 u
Cyprus	158 u	158 u	158 u	158 o	158 o	158 u	158 e	158 u	158 e	170 u
Czechia	282 u	308 u	316 u	339 u	339 o	339 u	339 u	343 u	363 u	369 o
Denmark	3 974 u	4 225 u	4 422 e	4 410 e	4 558 u	4 698 u	4 804 u	4 822 u	4 868 u	4 903 u
Estonia	310 u	312 u	310 u	316 u	317 o	316 u	316 u	337 e	693 u	705 u
Faroe Islands	20 o	20 u	16 o	13 u	19 e	23 e	48 u	66 u	68 u	68 u
Finland	1 533 u	2 012 u	2 009 u	2 252 u	2 554 u	3 225 u	5 645 u	6 914 u	8 328 o	9 351 u
France	11 556 u	13 489 u	14 887 u	16 430 u	17 441 u	18 428 u	20 414 u	21 610 u	22 747 u	23 753 u
Germany	45 283 u	50 174 u	52 328 u	53 187 o	54 414 o	55 904 u	57 986 u	60 965 u	63 530 u	68 135 u
Greece	2 370 u	2 624 u	2 877 u	3 589 u	4 119 u	4 649 u	4 702 u	5 232 u	5 366 u	5 706 u
Hungary	329 u	329 u	329 u	323 u	323 u	324 u	324 e	325 u	325 u	325 u
Iceland	3 u	2 u	2 u	2 u	2 o	2 u	2 e	4 u	4 e	4 u
Ireland	2 776 o	3 294 o	3 649 o	4 101 o	4 282 o	4 314 e	4 511 u	4 714 u	4 918 u	5 103 o
Italy	9 384 u	9 737 u	10 230 u	10 679 u	10 871 u	11 254 u	11 821 u	12 276 u	12 929 u	13 537 o
Kosovo*	1 u	34 u	34 u	34 u	34 u	34 u	68 u	68 u	137 u	137 u
Latvia	70 u	77 u	78 u	78 u	78 u	77 u	82 u	128 u	131 u	133 u
Lithuania	509 u	518 u	533 u	534 u	540 u	671 u	946 u	1 284 u	1 832 u	2 510 o
Luxembourg	120 u	120 u	123 u	136 u	153 u	136 u	165 u	207 u	213 u	232 u
Malta	0 u	0 u	0 u	0 u	0 u	0 u	0 e	0 u	0 e	0 u
Moldova Rep	2 u	9 u	33 e	35 u	41 u	67 o	115 o	141 o	158 u	247 u
Montenegro		72 u	72 o	118 u	118 u	118 u	118 e	118 u	118 e	118 e
Netherlands	3 300 e	3 245 u	3 436 u	3 527 u	4 188 u	5 186 u	6 131 u	6 692 u	6 955 o	7 035 o
North Macedonia	37 u	37 u	37 u	37 u	37 u	37 u	37 u	73 u	73 u	103 u
Norway	881 u	1 205 o	1 708 u	2 912 u	4 028 o	5 047 u	5 060 u	5 062 u	5 063 u	5 063 u
Poland	5 747 u	5 759 u	5 766 u	5 838 u	6 298 u	6 967 u	8 150 u	9 343 u	10 152 u	10 602 o
Portugal	5 124 u	5 124 u	5 172 u	5 223 u	5 097 u	5 402 u	5 513 u	5 513 u	5 575 u	5 580 o
Romania	3 025 u	3 030 u	3 032 u	3 038 u	3 013 u	3 015 u	3 015 u	3 027 u	3 095 u	3 283 u
Serbia	17 u	25 u	227 u	398 u	398 o	398 u	398 e	510 u	604 o	803 u
Slovakia	3 u	4 u	4 u	4 u	4 u	4 u	4 e	4 u	4 e	4 u
Slovenia	3 o	3 o	3 o	3 o	3 o	3 e	3 e	3 u	3 u	4 o
Spain	22 985 u	23 119 u	23 400 u	25 585 o	26 814 o	27 903 e	30 109 u	30 863 u	32 179 u	33 296 o
Sweden	6 232 u	6 408 u	7 097 u	8 478 u	9 773 u	11 923 u	14 086 u	16 031 u	16 626 u	17 188 u
Switzerland	75 u	75 u	75 o	75 u	87 u	88 u	88 u	88 u	102 u	111 u
UK	10 833 u	12 597 u	13 425 e	13 999 e	14 075 o	14 493 o	14 834 o	15 418 o	16 230 u	16 431 u
Ukraine	526 u	553 e	621 u	1 258 u	1 402 e	1 761 u	1 761 u	1 761 u		
European Union	**130 651**	**140 177**	**146 759**	**155 188**	**162 552**	**172 779**	**187 664**	**199 823**	**210 566**	**221 978**
Middle East	**409**	**494**	**623**	**785**	**933**	**1 041**	**1 581**	**1 911**	**1 937**	**1 939**
Bahrain	1 u	1 u	1 u	1 u	1 u	1 u	3 u	3 u	3 e	3 u
Iran IR	191 u	259 o	282 o	305 u	308 u	310 e	342 u	365 u	376 u	378 e
Israel	27 u	27 u	27 u	27 u	27 u	27 u	136 u	343 u	347 o	347 o
Jordan	184 e	198 o	295 e	384 e	529 e	632 e	632 u	631 u	631 u	631 u
Kuwait	2 u	2 u	12 u	12 u	12 u	12 u	12 u	12 u	12 u	12 u
Lebanon	3 u	3 u	3 u	3 u	3 u	3 u	3 u	3 u	3 u	3 u
Oman				50 u	50 u	50 u	50 u	50 u	50 u	50 u
Saudi Arabia		3 u	3 u	3 u	3 u	3 u	400 u	400 u	400 u	400 u
Syrian AR						3 o	3 o	5 o	5 o	5 o
United Arab Em						0 u	0 u	99 u	110 u	110 u
N America	**97 281**	**103 999**	**111 484**	**123 402**	**138 976**	**154 158**	**164 331**	**170 934**	**177 390**	**183 912**
Canada	11 973 u	12 250 u	12 816 u	13 220 u	13 532 u	13 878 o	15 237 o	16 137 o	17 397 u	17 745 u
Greenland			0 u	0 u	0 u	0 u	0 e	0 e	0 e	0 u
Mexico	4 051 u	4 180 u	4 180 e	6 541 e	6 995 u	7 469 u	7 634 u	7 318 u	7 512 o	7 512 u
USA	81 257 o	87 568 o	94 487 o	103 641 o	118 448 o	132 811 o	141 460 o	147 479 o	152 481 u	158 655 o
Oceania	**5 425**	**6 150**	**7 153**	**8 626**	**10 952**	**11 523**	**12 989**	**14 029**	**16 901**	**17 686**
Australia	4 683 u	5 407 u	6 409 u	7 881 u	10 207 u	10 555 u	11 966 u	12 908 u	15 563 o	16 348 o
Cook Is	0 u	0 u	0 u	0 u	0 u	0 u	0 e			
Fiji	10 u	10 u	10 u	10 u	10 u	10 u	10 u	10 u	10 e	10 o
Fr Polynesia	0 u	0 u	0 u	0 u	0 u	0 u	0 u	0 u	0 e	0 u
Guam	0 o	0 o	0 u	0 u	0 u	0 u	0 u	0 u	0 u	0 u
Marshall Is	0 u	0 u	0 u	0 u	0 u	0 u	0 u	0 u	0 u	0 u
Micronesia			1 u	1 u	1 u	1 u	1 u	1 u	1 u	1 u
New Caledon	38 o	38 o	38 o	38 u	38 u	38 u	58 e	58 u	58 e	58 o
New Zealand	690 u	691 o	691 o	691 o	691 o	914 o	948 o	1 046 o	1 263 u	1 263 u
Samoa	1 o	1 o	1 o	1 u	1 u	1 u	1 u	1 u	1 u	1 u
Tokelau				0 o	0 u	0 u	0 u	0 u	0 e	0 e
Tonga	0 u	0 u	0 u	1 u	1 u	1 u	1 u	1 u	1 u	1 u
Vanuatu	4 u	3 u	3 u	3 u	3 u	3 u	3 u	3 u	3 e	3 o

Onshore wind energy
Énergie éolienne terrestre
Energía eólica terrestre

CAP (MW)	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
S America	**13 121**	**15 853**	**18 963**	**21 074**	**24 179**	**29 581**	**33 622**	**40 178**	**44 795**	**48 396**
Argentina	188 u	228 u	751 u	1 609 u	2 624 o	3 292 o	3 310 o	3 706 e	4 320 u	4 497 u
Bolivia	27 o	27 o	27 o	27 o	27 o	128 o	128 e	135 o	135 o	135 o
Brazil	10 322 u	12 451 u	14 514 u	15 457 u	17 217 u	21 002 u	24 196 u	29 113 u	32 920 o	34 866 o
Chile	1 039 o	1 302 o	1 692 o	1 999 o	2 293 o	3 140 o	3 824 o	4 533 o	4 717 o	5 884 o
Colombia	18 o	18 o	18 o	18 o	18 o	18 o	34 o	34 o	34 o	34 o
Ecuador	21 o	21 o	21 o	21 o	21 o	21 o	21 o	71 o	71 o	71 o
Falklands Malv	3 u	3 u	3 u	3 u	3 u	3 u	3 u	3 u	3 u	3 u
Guyana	0 u	0 u	0 u	0 u	0 u	0 u	0 u	0 u	0 u	0 u
Paraguay					0 u	0 u	0 u	0 u	0 u	0 u
Peru	240 e	240 e	372 u	372 e	409 u	409 e	539 e	1 016 u	1 027 o	1 340 u
South Georgia	0 u	0 u	0 u	0 u	0 u	0 u	0 u	0 u	0 u	0 u
Uruguay	1 212 u	1 513 u	1 513 u	1 516 u	1 516 o	1 516 o	1 516 o	1 516 o	1 516 u	1 516 o
Venezuela	50 u	50 u	50 u	50 u	50 u	50 u	50 u	50 u	50 u	50 u

Offshore wind energy
Énergie éolienne offshore
Energía eólica marina

CAP (MW)	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
World	**14 377**	**18 805**	**23 560**	**28 263**	**34 340**	**54 268**	**62 622**	**74 387**	**82 745**	**91 380**
Asia	**1 685**	**3 005**	**4 833**	**6 296**	**9 412**	**27 841**	**32 522**	**40 487**	**45 891**	**52 611**
China	1 480 u	2 788 u	4 588 u	5 930 u	8 990 u	26 390 u	30 460 u	37 290 u	41 270 u	47 390 u
Chinese Taipei		8 o	8 o	128 o	128 o	269 o	745 o	1 763 o	2 987 o	3 587 o
Japan	65 u	65 o	65 o	66 o	59 o	52 o	180 o	185 o	285 u	285 u
Korea Rep	41 u	46 u	73 u	73 u	136 u	136 u	143 u	146 u	246 u	246 u
Viet Nam	99 o	99 o	99 u	99 u	99 u	994 u	994 u	1 104 u	1 104 u	1 104 o
Europe	**12 664**	**15 770**	**18 698**	**21 938**	**24 899**	**26 386**	**30 059**	**33 858**	**36 683**	**38 598**
Belgium	712 u	877 u	1 186 u	1 556 u	2 262 o	2 262 u	2 262 e	2 262 u	2 262 e	2 262 u
Denmark	1 271 u	1 264 u	1 701 u	1 701 u	1 701 u	2 306 u	2 301 u	2 469 u	2 644 u	2 644 u
Finland	32 u	32 u	32 u	32 u	32 u	32 u	32 u	32 u	32 o	32 u
France	11 u	11 u	13 u	14 u	14 u	14 u	501 u	1 487 u	1 494 u	1 902 u
Germany	4 152 u	5 406 u	6 393 u	7 555 o	7 787 e	7 807 u	8 216 u	8 473 u	9 215 e	9 673 u
Ireland	25 u	25 u	25 o	25 o	25 o	25 u	25 e	25 u	25 u	25 u
Italy								31 u	31 e	31 u
Netherlands	957 o	957 u	957 u	957 u	2 460 u	2 460 u	2 570 u	4 110 u	4 748 e	4 748 u
Norway	2 u	2 o	2 u	2 u	2 u	2 u	2 u	2 u	95 u	95 u
Portugal					25 u	25 u	25 u	25 u	25 e	25 u
Spain	5 u	5 u	5 u	5 o	5 u	5 u	5 e	5 u	5 e	5 u
Sweden	203 u	203 u	203 u	203 u	203 u	193 u	193 e	193 u	193 e	193 u
UK	5 293 u	6 988 u	8 181 e	9 888 e	10 383 o	11 255 o	13 927 o	14 745 o	15 916 u	16 965 u
European Union	**7 368**	**8 780**	**10 515**	**12 048**	**14 514**	**15 128**	**16 129**	**19 111**	**20 673**	**21 539**
N America	**29**	**29**	**29**	**29**	**29**	**41**	**41**	**41**	**171**	**171**
USA	29 o	29 e	29 e	29 e	29 e	41 e	41 e	41 o	171 o	171 o

Solar energy
Énergie solaire
Energía solar

CAP (MW)	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
World	**298 129**	**391 781**	**487 296**	**589 761**	**721 134**	**866 040**	**1 058 036**	**1 422 026**	**1 880 396**	**2 391 584**
Africa	**3 025**	**3 777**	**5 641**	**7 198**	**8 389**	**9 492**	**12 020**	**15 560**	**18 375**	**22 188**
Algeria	262	355	367	367	367	367	451	462	462	462
Angola	0	0	0	1	1	1	285	310	362	385
Benin	2	2	3	4	5	6	33	35	35	35
Botswana	3	3	4	6	6	6	6	9	66	169
Burkina Faso	3	38	54	58	59	59	90	177	206	206
Burundi	2	2	2	2	2	9	9	9	10	10
Cabo Verde	6	6	11	14	15	17	23	26	31	33
Cameroon	0	23	25	26	40	53	53	89	89	90
Cent Afr Rep	0	0	0	0	0	0	0	40	41	41
Chad	0	0	1	1	1	2	2	2	2	111
Comoros	1	1	1	1	1	3	3	3	3	9
Congo DR	5	6	8	10	14	18	22	24	29	29
Congo Rep	0	0	0	0	1	1	1	1	1	1
Cote d Ivoire	0	1	2	4	6	8	9	39	39	39
Djibouti	0	0	0	0	0	0	0	0	0	1
Egypt	59	180	764	1 647	1 643	1 663	1 689	1 820	2 554	3 267
Eq Guinea	0	0	0	0	0	0	0	0	0	0
Eritrea	9	23	26	26	26	25	25	25	25	25
Eswatini	0	0	0	0	0	10	10	28	28	28
Ethiopia	14	12	12	12	20	21	21	21	22	22
Gabon	0	0	0	0	0	0	1	1	11	11
Gambia	1	1	1	2	2	2	2	2	25	25
Ghana	37	43	73	82	106	163	166	185	186	186
Guinea	0	0	13	14	15	15	16	17	17	17
Guinea Bissau	1	1	2	2	2	2	2	2	3	3
Kenya	31	37	92	104	110	173	267	475	551	551
Lesotho	0	0	0	1	1	1	1	29	29	29
Liberia	0	1	1	2	2	3	3	4	4	4
Libya	5	5	5	5	5	6	6	8	8	9
Madagascar	1	2	22	23	24	24	53	58	59	63
Malawi	1	2	2	2	3	63	105	105	105	105
Mali	7	10	10	11	62	93	97	97	137	137
Mauritania	35	35	87	88	88	88	89	123	157	169
Mauritius	25	29	73	98	109	114	114	129	155	155
Mayotte	13	15	16	17	19	30	30	31	31	31
Morocco	202	204	734	734	774	854	854	854	951	1 086
Mozambique	4	4	5	48	55	63	115	162	175	175
Namibia	27	67	123	187	187	190	245	240	240	389
Niger	7	7	14	14	15	15	50	83	83	83
Nigeria	21	27	31	50	75	98	131	171	233	285
Reunion	186	188	190	199	208	225	234	268	314	314
Rwanda	9	13	13	14	14	15	15	16	15	15
Sao Tome Prn	0	0	0	0	0	0	0	1	1	2
Senegal	52	93	136	162	162	230	233	233	273	290
Seychelles	2	3	4	4	7	16	17	18	19	19
Sierra Leone	1	1	1	3	4	11	17	17	16	17
Somalia	1	2	2	2	11	19	42	46	46	46
South Africa	1 902	2 205	2 505	2 806	3 705	4 205	5 705	8 006	9 058	11 255
South Sudan	1	2	2	2	4	4	4	17	31	45
Sudan	26	36	60	81	118	136	190	190	190	190
Tanzania	9	9	10	6	6	6	6	6	12	12
Togo	0	1	4	7	10	64	66	66	66	87
Tunisia	38	47	64	80	96	97	199	508	775	895
Uganda	7	26	52	65	75	76	76	96	97	96
Zambia	1	2	4	93	94	94	95	131	193	328
Zimbabwe	2	4	8	11	13	27	40	45	105	105

Solar energy
Énergie solaire
Energía solar

CAP (MW)	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
Asia	**140 184**	**211 518**	**275 768**	**331 234**	**412 353**	**489 045**	**600 626**	**842 154**	**1 159 226**	**1 530 387**
Afghanistan	21	23	23	53	52	52	54	54	64	66
Bangladesh	165	217	240	280	343	506	523	746	846	1 146
Bhutan	0	0	0	0	0	0	0	1	3	21
Brunei Darsm	1	1	1	1	1	5	5	5	5	6
Cambodia	18	32	43	140	333	395	481	487	972	1 482
China	77 819	130 832	175 262	204 971	253 864	306 973	393 032	609 921	887 100	1 202 179
China HK SAR		1	1	89	91	95	185	333	405	421
Chinese Taipei	1 245	1 768	2 738	4 150	5 817	7 700	9 724	12 418	14 281	15 474
India	9 982	18 257	27 485	35 250	39 705	49 979	63 479	73 052	98 482	135 502
Indonesia	88	97	68	158	166	221	306	630	941	1 494
Japan	42 040	49 500	56 162	63 192	71 868	78 413	83 057	87 068	89 601	92 211
Kazakhstan	57	59	209	542	912	1 038	1 146	1 205	1 229	1 325
Korea DPR	32	36	50	65	79	102	116	129	143	156
Korea Rep	4 338	5 634	7 701	10 847	14 756	17 905	20 525	23 528	26 680	30 346
Kyrgyzstan								0	0	100
Lao PDR	3	9	34	34	44	58	58	58	58	1 058
Malaysia	287	331	481	829	1 483	1 583	2 131	2 417	3 074	3 074
Maldives	7	11	16	29	39	40	52	55	69	75
Mongolia	24	56	73	98	103	103	103	108	143	129
Myanmar	32	44	48	88	84	110	181	181	216	240
Nepal	14	55	56	55	65	90	112	115	171	213
Pakistan	589	654	679	755	1 049	1 434	2 182	3 210	3 717	3 717
Philippines	791	916	930	1 002	1 083	1 406	1 660	1 801	2 993	3 892
Singapore	97	116	162	272	331	482	628	919	1 211	1 523
Sri Lanka	71	154	228	350	436	624	800	958	1 579	2 507
Tajikistan					0	0	0	0	0	0
Thailand	2 452	2 703	2 968	2 988	2 984	3 065	3 185	3 299	3 388	6 842
Timor Leste	1	1	1	1	0	0	0	0	0	1
Turkmenistan									0	0
Uzbekistan	2	3	4	4	4	4	204	867	3 188	5 934
Viet Nam	5	8	105	4 993	16 660	16 660	16 697	18 587	18 666	19 252
C America + Carib	**1 197**	**1 559**	**1 942**	**2 533**	**2 815**	**3 542**	**3 954**	**4 851**	**5 599**	**7 262**
Anguilla	2	2	1	2	2	2	2	2	2	2
Antigua Barb	4	4	9	9	13	15	15	16	16	16
Aruba	7	7	15	15	15	15	15	15	15	15
Bahamas	3	3	3	5	5	10	15	15	21	21
Barbados	15	16	17	33	49	64	69	69	69	69
Belize	1	1	1	7	7	7	7	7	7	7
BES Islands	2	5	6	7	7	7	7	16	22	24
Br Virgin Is	1	1	1	1	1	1	2	3	3	2
Cayman Is	3	9	10	11	13	14	14	14	14	14
Costa Rica	13	19	32	47	56	73	73	73	73	83
Cuba	31	70	124	152	214	246	267	280	392	567
Curacao	11	11	12	12	13	13	13	13	14	14
Dominica	1	1	0	0	0	0	0	1	1	1
Dominican Rep	71	95	191	335	386	584	735	1 077	1 423	2 083
El Salvador	12	110	167	410	479	543	571	647	738	738
Grenada	2	2	3	3	4	4	4	4	4	4
Guadeloupe	70	70	72	83	88	90	93	95	95	105
Guatemala	85	93	93	93	94	94	97	102	102	102
Haiti	2	3	3	3	3	3	3	4	4	8
Honduras	412	455	515	518	525	529	529	529	554	589
Jamaica	28	56	56	107	107	108	110	113	117	117
Martinique	67	68	71	76	77	89	96	104	115	122
Montserrat				0	0	1	1	1	1	1
Nicaragua	1	14	14	16	16	16	17	18	36	36
Panama	89	127	199	225	235	498	529	646	743	973
Puerto Rico	244	302	305	337	381	488	639	955	963	1 362
St Barth	0	0	0	0	0	0	0	0	1	1
St Kitts Nevis	2	2	2	2	3	3	3	3	5	5
St Lucia	1	1	4	4	4	4	4	4	5	6
St Maarten							0	0	0	0
St Martin	2	0	0	1	1	1	2	2	2	17
St Vincent Gren	3	3	3	4	4	4	4	6	6	6
Trinidad Tobago	4	4	4	4	4	4	4	4	5	97
Turks Caicos	0	0	0	1	1	3	3	4	4	4
US Virgin Is	9	5	10	10	10	10	10	10	30	53
Eurasia	**1 293**	**3 991**	**5 945**	**7 478**	**8 533**	**10 018**	**11 896**	**18 261**	**23 400**	**29 206**
Armenia	1	2	17	21	51	146	235	402	485	706
Azerbaijan	25	28	35	33	35	48	51	282	281	281
Georgia	0	0	1	3	5	18	35	64	139	317
Russian Fed	433	538	828	1 425	1 774	1 988	2 148	1 899	2 262	2 433
Türkiye	834	3 422	5 064	5 996	6 668	7 817	9 426	15 614	20 233	25 469

Solar energy
Énergie solaire
Energía solar

CAP (MW)	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
Europe	**105 559**	**110 944**	**120 374**	**140 907**	**161 382**	**190 044**	**224 685**	**283 405**	**346 415**	**407 725**
Albania	1	1	1	14	21	23	100	207	720	876
Andorra	0	0	0	1	1	1	2	5	7	10
Austria	1 103	1 276	1 462	1 710	2 051	2 791	3 800	6 394	8 904	10 304
Belarus	47	80	154	154	160	164	273	273	265	277
Belgium	3 291	3 600	3 963	4 523	5 453	5 933	6 780	8 360	9 642	10 398
Bosnia Herzg	14	16	18	22	35	57	102	212	608	668
Bulgaria	1 030	1 031	1 033	1 044	1 100	1 275	1 737	2 927	4 560	5 910
Croatia	56	60	68	85	109	138	222	463	902	1 319
Cyprus	84	110	118	151	229	315	424	581	751	861
Czechia	2 055	2 062	2 068	2 085	2 124	2 177	2 404	3 239	3 984	4 541
Denmark	851	906	998	1 080	1 304	1 704	3 070	3 529	3 945	5 046
Estonia	10	15	32	121	208	395	520	813	877	984
Faroe Islands				0	0	0	0	0	0	0
Finland	37	77	133	210	299	398	649	986	1 219	1 566
France	7 319	7 524	8 727	9 795	11 127	14 208	16 801	20 123	25 456	31 226
Germany	40 679	42 293	45 158	48 914	53 671	60 038	61 188	75 519	91 204	106 272
Greece	2 604	2 552	2 591	2 754	3 174	4 073	5 104	6 689	8 827	11 077
Hungary	235	344	728	1 400	2 131	2 968	4 235	5 910	7 166	8 177
Iceland	4	4	5	7	7	7	7	7	7	7
Ireland	12	30	56	102	163	247	362	919	1 489	2 494
Italy	19 116	19 504	19 916	20 625	21 359	22 286	24 560	29 356	35 442	41 188
Kosovo*	2	7	7	10	10	14	14	14	20	21
Latvia	1	1	2	3	5	7	113	319	660	922
Lithuania	68	75	89	130	244	422	738	1 330	2 575	3 295
Luxembourg	122	128	131	160	187	277	317	394	548	774
Malta	92	109	129	151	180	194	210	226	238	250
Moldova Rep	2	2	3	5	4	14	60	201	400	711
Montenegro					3	3	3	17	64	100
Netherlands	2 135	2 911	4 608	7 228	11 110	14 823	17 356	21 957	24 772	25 878
North Macedonia	17	17	17	17	30	45	144	548	869	1 058
Norway	27	45	84	137	143	185	341	634	786	903
Poland	176	270	526	1 428	3 656	7 091	11 063	15 917	21 721	25 421
Portugal	533	619	717	970	1 191	1 817	2 817	4 040	5 811	6 949
Romania	1 372	1 374	1 386	1 398	1 383	1 394	1 809	2 988	4 258	6 238
Serbia	17	18	21	23	31	52	137	197	296	431
Slovakia	533	528	471	590	535	537	549	594	728	1 028
Slovenia	233	247	247	278	370	461	626	1 031	1 421	1 568
Spain	7 044	7 053	7 101	11 146	12 475	16 056	26 238	31 920	38 164	47 206
Sweden	153	244	428	730	1 124	1 625	2 407	4 012	4 848	5 500
Switzerland	1 617	1 860	2 117	2 425	2 875	3 515	4 528	6 064	7 764	9 114
UK	11 914	12 751	13 059	13 345	13 772	14 251	14 813	16 428	19 000	21 662
Ukraine	955	1 200	2 003	5 936	7 331	8 062	8 062	8 062	5 500	5 500
European Union	**91 327**	**95 331**	**103 281**	**119 233**	**137 408**	**164 142**	**196 614**	**251 102**	**310 736**	**367 047**
Middle East	**1 623**	**2 251**	**3 537**	**6 079**	**8 110**	**10 278**	**14 455**	**20 807**	**26 361**	**38 945**
Bahrain	6	6	6	10	10	21	46	57	66	112
Iran IR	43	184	286	346	430	456	539	595	782	1 782
Iraq	37	37	37	37	37	37	42	42	42	64
Israel	906	1 006	1 346	2 138	2 652	3 591	4 632	5 516	5 605	7 363
Jordan	311	418	760	971	1 541	1 811	1 966	1 990	2 195	2 195
Kuwait	22	23	34	84	84	84	102	102	102	102
Lebanon	24	37	56	78	92	206	869	1 081	1 081	1 505
Oman	2	8	26	26	129	155	655	672	672	1 672
Palestine	26	36	41	83	119	179	193	260	303	308
Qatar	5	5	5	5	5	5	805	805	805	1 680
Saudi Arabia	24	34	84	109	409	439	440	2 440	6 201	11 932
Syrian AR		0	1	2	12	33	307	1 022	1 606	2 249
United Arab Em	135	353	600	1 935	2 333	3 002	3 596	5 942	6 498	7 525
Yemen	81	103	253	254	258	258	264	283	403	456
N America	**37 587**	**46 680**	**56 971**	**69 902**	**86 019**	**107 567**	**126 521**	**156 165**	**195 406**	**230 471**
Canada	2 265	2 493	2 631	2 828	3 068	3 854	4 323	5 328	5 818	5 931
Greenland			0	0	0	1	1	1	1	1
Mexico	606	1 072	2 770	6 247	7 158	8 927	9 356	10 910	11 992	12 929
USA	34 716	43 115	51 570	60 827	75 793	94 786	112 842	139 927	177 594	211 610

Solar energy
Énergie solaire
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CAP (MW)	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
Oceania	**6 062**	**7 467**	**11 421**	**15 822**	**20 202**	**24 930**	**29 605**	**31 530**	**37 093**	**42 438**
Amer Samoa	4	4	5	5	5	5	7	7	7	7
Australia	5 881	7 241	11 128	15 453	19 773	24 397	28 887	30 675	35 998	41 068
Cook Is	3	3	5	6	6	6	6	6	6	6
Fiji	6	8	9	9	9	9	10	11	12	12
Fr Polynesia	32	35	38	41	45	46	52	53	81	81
Guam	35	36	38	40	41	43	105	105	105	105
Kiribati	2	2	2	2	2	2	2	4	4	4
Marshall Is	2	2	2	2	2	2	2	2	3	3
Micronesia	4	4	5	5	7	7	7	7	7	7
Nauru	1	1	1	2	2	3	3	3	3	9
New Caledon	10	27	60	104	125	175	210	215	215	219
New Zealand	53	71	91	115	145	192	262	371	578	836
Niue	0	0	0	1	1	1	1	1	2	2
Palau	2	2	3	3	3	4	4	20	20	23
Papua N Guin	1	1	1	2	2	4	4	4	5	6
Samoa	14	14	16	16	16	16	16	16	16	16
Solomon Is	2	3	3	2	2	2	4	6	6	8
Tokelau	1	1	1	1	1	1	1	1	1	1
Tonga	5	7	7	7	7	7	14	15	16	16
Tuvalu	4	4	4	4	4	4	4	4	5	5
Vanuatu	2	3	4	5	5	5	5	5	5	5
S America	**1 599**	**3 594**	**5 697**	**8 608**	**13 329**	**21 124**	**34 272**	**49 293**	**68 523**	**82 962**
Argentina	14	14	196	446	768	1 077	1 113	1 405	1 741	2 592
Bolivia	6	11	70	71	121	171	172	173	177	194
Brazil	135	1 210	2 458	4 669	8 386	14 310	25 066	37 563	53 114	64 692
Chile	1 125	1 724	2 298	2 721	3 287	4 712	6 887	8 742	11 019	12 140
Colombia	2	11	13	23	74	153	307	533	1 417	1 726
Ecuador	27	27	28	28	28	28	29	30	84	131
Falklands Malv	0	0	0	0	0	0	0	0	0	0
Fr Guiana	46	46	46	46	56	57	59	65	68	69
Guyana	2	3	6	7	7	7	13	18	21	38
Paraguay	0	0	0	0	0	0	1	1	1	3
Peru	146	298	324	335	335	332	332	447	528	1 016
Suriname	5	5	6	6	6	7	10	11	13	16
Uruguay	89	243	248	254	258	267	280	301	336	339
Venezuela	3	3	3	3	3	3	3	3	4	5

Solar photovoltaic
Photovoltaïque solaire
Fotovoltaica solar

CAP (MW)	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
World	**293 159**	**386 711**	**481 485**	**583 393**	**714 728**	**859 674**	**1 051 471**	**1 415 161**	**1 872 813**	**2 383 162**
Africa	**2 600**	**3 252**	**4 656**	**6 113**	**7 304**	**8 407**	**10 935**	**14 475**	**17 190**	**21 003**
Algeria	237 u	330 u	342 u	342 u	342 u	342 u	426 u	437 u	437 e	437 u
Angola	0 u	0 u	0 u	1 u	1 u	1 u	285 u	310 u	362 u	385 u
Benin	2 u	2 u	3 u	4 u	5 u	6 u	33 u	35 e	35 e	35 e
Botswana	3 u	3 u	4 u	6 u	6 u	6 u	6 u	9 e	66 e	169 e
Burkina Faso	3 u	38 u	54 u	58 u	59 u	59 u	90 u	177 u	206 e	206 e
Burundi	2 u	2 u	2 u	2 u	2 u	9 u	9 u	9 e	10 e	10 u
Cabo Verde	6 u	6 u	11 o	14 o	15 o	17 o	23 o	26 o	31 u	33 u
Cameroon	0 e	23 e	25 e	26 e	40 e	53 e	53 e	89 e	89 e	90 u
Cent Afr Rep	0 e	0 e	0 e	0 e	0 e	0 e	0 e	40 e	41 e	41 e
Chad	0 e	0 e	1 e	1 e	1 e	2 e	2 e	2 e	2 e	111 e
Comoros	1 e	1 e	1 e	1 e	1 e	3 e	3 e	3 e	3 e	9 e
Congo DR	5 e	6 e	8 e	10 e	14 e	18 e	22 e	24 e	29 e	29 e
Congo Rep	0 e	0 e	0 e	0 e	1 e	1 e	1 e	1 e	1 e	1 e
Cote d Ivoire	0 e	1 e	2 e	4 e	6 e	8 e	9 e	39 e	39 e	39 e
Djibouti	0 u	0 u	0 u	0 u	0 u	0 u	0 u	0 u	0 e	1 u
Egypt	39 u	160 u	744 u	1 627 u	1 623 e	1 643 e	1 669 e	1 800 e	2 534 e	3 247 o
Eq Guinea	0 e	0 e	0 e	0 e	0 e	0 e	0 e	0 e	0 e	0 e
Eritrea	9 e	23 e	26 e	26 e	26 e	25 e	25 e	25 e	25 e	25 e
Eswatini	0 u	0 e	0 e	0 e	0 e	10 e	10 e	28 e	28 e	28 e
Ethiopia	14 u	12 u	12 u	12 u	20 u	21 u	21 u	21 u	22 u	22 u
Gabon	0 e	0 e	0 e	0 e	0 e	0 e	1 e	1 e	11 e	11 e
Gambia	1 e	1 e	1 e	2 e	2 e	2 e	2 e	2 e	25 e	25 e
Ghana	37 e	43 e	73 e	82 e	106 e	163 e	166 e	185 e	186 e	186 e
Guinea	0 e	0 e	13 e	14 e	15 e	15 e	16 e	17 e	17 e	17 u
Guinea Bissau	1 e	1 e	2 e	2 e	2 e	2 e	2 e	2 e	3 e	3 u
Kenya	31 e	37 e	92 e	104 e	110 e	173 e	267 e	475 e	551 e	551 e
Lesotho	0 e	0 e	0 e	1 e	1 e	1 e	1 e	29 e	29 e	29 e
Liberia	0 e	1 e	1 e	2 e	2 e	3 e	3 e	4 e	4 e	4 u
Libya	5 u	5 u	5 u	5 u	5 u	6 e	6 u	8 u	8 e	9 u
Madagascar	1 e	2 e	22 e	23 e	24 e	24 e	53 e	58 e	59 e	63 e
Malawi	1 e	2 e	2 e	2 e	3 e	63 e	105 e	105 e	105 e	105 e
Mali	7 e	10 e	10 e	11 e	62 e	93 e	97 e	97 e	137 e	137 e
Mauritania	35 u	35 u	87 u	88 u	88 u	88 u	89 u	123 u	157 e	169 u
Mauritius	25 o	29 o	73 o	98 o	109 o	114 o	114 o	129 o	155 u	155 o
Mayotte	13 o	15 o	16 e	17 e	19 e	30 e	30 e	31 u	31 u	31 u
Morocco	22 u	24 u	194 e	194 e	234 e	314 e	314 u	314 u	411 e	546 e
Mozambique	4 e	4 e	5 e	48 e	55 e	63 e	115 e	162 e	175 e	175 e
Namibia	27 e	67 e	123 e	187 e	187 e	190 e	245 e	240 e	240 e	389 e
Niger	7 e	7 e	14 e	14 e	15 e	15 e	50 e	83 e	83 e	83 e
Nigeria	21 e	27 e	31 e	50 e	75 e	98 e	131 e	171 e	233 e	285 e
Reunion	186 e	188 e	190 e	199 e	208 e	225 e	234 e	268 e	314 e	314 e
Rwanda	9 e	13 e	13 e	14 e	14 e	15 e	15 e	16 e	15 e	15 u
Sao Tome Prn	0 e	0 e	0 e	0 e	0 e	0 e	0 e	1 e	1 e	2 e
Senegal	52 e	93 e	136 e	162 e	162 e	230 e	233 e	233 e	273 e	290 e
Seychelles	2 e	3 e	4 e	4 e	7 e	16 e	17 e	18 e	19 e	19 e
Sierra Leone	1 e	1 e	1 e	3 e	4 e	11 e	17 e	17 e	16 e	17 e
Somalia	1 u	2 u	2 u	2 u	11 u	19 u	42 u	46 u	46 e	46 u
South Africa	1 702 e	1 905 e	2 105 e	2 306 e	3 205 e	3 705 e	5 205 e	7 506 e	8 458 e	10 655 e
South Sudan	1 u	2 u	2 u	2 u	4 u	4 u	4 u	17 u	31 u	45 u
Sudan	26 u	36 u	60 u	81 u	118 u	136 u	190 u	190 u	190 u	190 u
Tanzania	9 e	9 e	10 e	6 e	6 e	6 e	6 e	6 e	12 e	12 e
Togo	0 e	1 e	4 e	7 e	10 e	64 e	66 e	66 e	66 e	87 e
Tunisia	38 u	47 u	64 u	80 u	96 u	97 u	199 u	508 u	775 e	895 u
Uganda	7 e	26 e	52 e	65 e	75 e	76 e	76 e	96 e	97 e	96 e
Zambia	1 e	2 e	4 e	93 e	94 e	94 e	95 e	131 e	193 e	328 e
Zimbabwe	2 e	4 e	8 e	11 e	13 e	27 e	40 e	45 e	105 e	105 e

Solar photovoltaic
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CAP (MW)	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
Asia	**139 820**	**211 153**	**275 189**	**330 491**	**411 555**	**488 127**	**599 709**	**841 236**	**1 157 898**	**1 528 220**
Afghanistan	21 u	23 u	23 u	53 u	52 u	52 u	54 u	54 u	64 u	66 u
Bangladesh	165 u	217 u	240 u	280 u	343 u	506 u	523 u	746 u	846 u	1 146 u
Bhutan	0 u	0 u	0 u	0 u	0 u	0 u	0 u	1 u	3 u	21 u
Brunei Darsm	1 u	1 u	1 u	1 u	1 u	5 u	5 u	5 u	5 u	6 u
Cambodia	18 u	32 u	43 u	140 u	333 u	395 u	481 u	487 u	972 u	1 482 u
China	77 788 u	130 801 u	175 016 u	204 575 u	253 414 u	306 403 u	392 462 u	609 351 u	886 120 u	1 200 359 u
China HK SAR		1 e	1 e	89 e	91 e	95 e	185 u	333 u	405 e	421 u
Chinese Taipei	1 245 o	1 768 o	2 738 o	4 150 o	5 817 o	7 700 o	9 724 o	12 418 o	14 281 o	15 474 o
India	9 654 u	17 928 u	27 156 u	34 908 u	39 363 u	49 636 u	63 136 u	72 709 u	98 139 u	135 159 u
Indonesia	88 u	97 u	68 u	158 u	166 u	221 u	306 u	630 u	941 u	1 494 u
Japan	42 040 u	49 500 o	56 162 o	63 192 u	71 868 u	78 413 u	83 057 o	87 068 o	89 601 o	92 211 o
Kazakhstan	57 u	59 u	209 u	542 u	912 e	1 038 e	1 146 e	1 205 u	1 229 u	1 325 u
Korea DPR	32 u	36 u	50 u	65 u	79 u	102 u	116 u	129 u	143 u	156 u
Korea Rep	4 338 u	5 633 o	7 701 o	10 847 o	14 756 o	17 905 o	20 525 o	23 528 o	26 680 o	30 346 o
Kyrgyzstan								0 u	0 e	100 e
Lao PDR	3 e	9 e	34 e	34 e	44 e	58 e	58 e	58 e	58 u	1 058 u
Malaysia	287 e	331 e	481 e	829 e	1 483 e	1 583 e	2 131 e	2 417 e	3 074 e	3 074 e
Maldives	7 u	11 u	16 u	29 o	39 o	40 o	52 o	55 o	69 o	75 u
Mongolia	24 e	56 e	73 e	98 e	103 e	103 e	103 e	108 e	143 e	129 e
Myanmar	32 o	44 o	48 o	88 u	84 u	110 u	181 u	181 u	216 u	240 u
Nepal	14 u	55 u	56 u	55 u	65 u	90 u	112 u	115 u	171 u	213 u
Pakistan	589 e	654 e	679 e	755 e	1 049 e	1 434 e	2 182 e	3 210 e	3 717 e	3 717 e
Philippines	791 u	916 u	930 u	1 002 u	1 083 u	1 406 u	1 660 u	1 801 u	2 993 u	3 892 u
Singapore	97 o	116 o	162 o	272 o	331 o	482 o	628 o	919 o	1 211 o	1 523 o
Sri Lanka	71 u	154 u	228 u	350 u	436 u	624 u	800 u	958 u	1 579 u	2 507 u
Tajikistan					0 e	0 e	0 e	0 u	0 u	0 u
Thailand	2 447 e	2 698 e	2 963 e	2 983 e	2 979 u	3 060 u	3 180 u	3 294 u	3 383 u	6 837 u
Timor Leste	1 u	1 u	1 u	1 u	0 u	0 u	0 u	0 u	0 u	1 u
Turkmenistan									0 u	0 u
Uzbekistan	2 u	3 u	4 u	4 u	4 u	4 u	204 e	867 u	3 188 u	5 934 u
Viet Nam	5 u	8 u	105 u	4 993 u	16 660 u	16 660 u	16 697 u	18 587 u	18 666 u	19 252 u
C America + Carib	**1 197**	**1 559**	**1 942**	**2 533**	**2 815**	**3 542**	**3 954**	**4 851**	**5 599**	**7 262**
Anguilla	2 u	2 u	1 u	2 u	2 u	2 u	2 u	2 u	2 u	2 u
Antigua Barb	4 e	4 e	9 e	9 e	13 e	15 e	15 u	16 u	16 u	16 e
Aruba	7 u	7 u	15 u	15 u	15 u	15 u	15 u	15 u	15 e	15 u
Bahamas	3 u	3 u	3 u	5 u	5 u	10 u	15 u	15 u	21 u	21 u
Barbados	15 e	16 e	17 e	33 e	49 e	64 e	69 e	69 e	69 e	69 e
Belize	1 e	1 e	1 e	7 e	7 e	7 e	7 e	7 e	7 e	7 e
BES Islands	2 e	5 e	6 u	7 u	7 u	7 u	7 u	16 u	22 e	24 u
Br Virgin Is	1 u	1 u	1 u	1 u	1 u	1 u	2 u	3 u	3 e	2 u
Cayman Is	3 u	9 u	10 u	11 u	13 u	14 e	14 u	14 e	14 e	14 e
Costa Rica	13 e	19 e	32 e	47 e	56 e	73 e	73 e	73 e	73 e	83 e
Cuba	31 e	70 e	124 e	152 e	214 e	246 e	267 e	280 u	392 e	567 u
Curacao	11 u	11 u	12 u	12 u	13 u	13 u	13 u	13 u	14 e	14 o
Dominica	1 u	1 u	0 u	0 u	0 u	0 u	0 u	1 u	1 u	1 u
Dominican Rep	71 e	95 e	191 e	335 e	386 e	584 e	735 e	1 077 e	1 423 e	2 083 o
El Salvador	12 e	110 e	167 e	410 e	479 e	543 e	571 e	647 e	738 e	738 e
Grenada	2 e	2 e	3 e	3 e	4 e	4 u	4 u	4 u	4 e	4 o
Guadeloupe	70 e	70 e	72 e	83 e	88 e	90 e	93 e	95 e	95 e	105 o
Guatemala	85 e	93 e	93 e	93 e	94 e	94 e	97 e	102 e	102 e	102 e
Haiti	2 u	3 u	3 u	3 u	3 u	3 u	3 u	4 u	4 e	8 o
Honduras	412 e	455 e	515 e	518 e	525 e	529 e	529 e	529 e	554 e	589 u
Jamaica	28 e	56 e	56 e	107 e	107 u	108 u	110 u	113 u	117 u	117 u
Martinique	67 e	68 e	71 e	76 e	77 e	89 e	96 e	104 e	115 e	122 o
Montserrat				0 u	0 u	1 e	1 u	1 u	1 e	1 u
Nicaragua	1 e	14 e	14 e	16 e	16 e	16 e	17 e	18 u	36 e	36 u
Panama	89 e	127 e	199 e	225 e	235 e	498 e	529 e	646 e	743 e	973 u
Puerto Rico	244 e	302 e	305 e	337 e	381 e	488 e	639 e	955 e	963 e	1 362 e
St Barth	0 o	0 o	0 o	0 u	0 u	0 u	0 e	0 e	1 e	1 o
St Kitts Nevis	2 e	2 e	2 e	2 e	3 e	3 e	3 e	3 e	5 e	5 e
St Lucia	1 u	1 u	4 u	4 u	4 u	4 u	4 u	4 u	5 u	6 o
St Maarten							0 u	0 u	0 u	0 u
St Martin	2 e	0 e	0 e	1 e	1 e	1 e	2 e	2 e	2 e	17 o
St Vincent Gren	3 u	3 u	3 u	4 e	4 e	4 e	4 e	6 u	6 u	6 u
Trinidad Tobago	4 u	4 u	4 u	4 u	4 u	4 u	4 u	4 u	5 e	97 u
Turks Caicos	0 u	0 u	0 u	1 u	1 u	3 u	3 u	4 u	4 e	4 o
US Virgin Is	9 u	5 u	10 e	10 u	10 u	10 u	10 u	10 e	30 e	53 e
Eurasia	**1 292**	**3 990**	**5 944**	**7 477**	**8 532**	**10 017**	**11 895**	**18 260**	**23 399**	**29 205**
Armenia	1 u	2 u	17 u	21 u	51 u	146 u	235 u	402 e	485 u	706 u
Azerbaijan	25 u	28 u	35 e	33 e	35 e	48 o	51 e	282 u	281 u	281 e
Georgia	0 u	0 u	1 u	3 u	5 u	18 u	35 u	64 u	139 u	317 u
Russian Fed	433 u	538 u	828 u	1 425 u	1 774 u	1 988 u	2 148 u	1 899 u	2 262 u	2 433 u
Türkiye	833 u	3 421 u	5 063 u	5 995 o	6 667 u	7 816 u	9 425 u	15 613 u	20 232 u	25 468 u

Solar photovoltaic
Photovoltaïque solaire
Fotovoltaica solar

CAP (MW)	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
Europe	**103 248**	**108 633**	**118 063**	**138 596**	**159 072**	**187 733**	**222 377**	**281 096**	**344 106**	**405 417**
Albania	1 u	1 u	1 u	14 u	21 u	23 e	100 u	207 u	720 u	876 u
Andorra	0 o	0 o	0 o	1 o	1 o	1 o	2 o	5 o	7 o	10 u
Austria	1 103 u	1 276 u	1 462 u	1 710 u	2 051 u	2 791 u	3 800 e	6 394 u	8 904 e	10 304 u
Belarus	47 u	80 u	154 u	154 u	160 u	164 u	273 e	273 u	265 u	277 u
Belgium	3 291 u	3 600 u	3 963 u	4 523 u	5 453 u	5 933 u	6 780 u	8 360 u	9 642 u	10 398 u
Bosnia Herzg	14 u	16 u	18 o	22 o	35 u	57 u	102 u	212 u	608 u	668 o
Bulgaria	1 030 u	1 031 u	1 033 u	1 044 u	1 100 u	1 275 u	1 737 u	2 927 u	4 560 u	5 910 u
Croatia	56 u	60 u	68 u	85 u	109 u	138 u	222 u	463 u	902 u	1 319 u
Cyprus	84 u	110 u	118 u	151 u	229 o	315 u	424 u	581 u	751 u	861 u
Czechia	2 055 u	2 062 e	2 068 e	2 085 u	2 124 u	2 177 u	2 404 u	3 239 u	3 984 u	4 541 u
Denmark	851 u	906 u	998 o	1 080 u	1 304 u	1 704 u	3 070 u	3 529 u	3 945 u	5 046 o
Estonia	10 u	15 u	32 u	121 u	208 o	395 u	520 u	813 u	877 u	984 u
Faroe Islands				0 e	0 e	0 e	0 e	0 u	0 e	0 u
Finland	37 u	77 u	133 u	210 u	299 u	398 u	649 u	986 u	1 219 u	1 566 u
France	7 319 u	7 524 u	8 727 u	9 795 u	11 127 e	14 208 e	16 801 e	20 123 u	25 456 e	31 226 u
Germany	40 677 u	42 291 u	45 156 u	48 912 u	53 669 u	60 036 u	61 188 u	75 519 u	91 204 u	106 272 u
Greece	2 604 u	2 552 u	2 591 u	2 754 u	3 174 u	4 073 u	5 104 u	6 689 u	8 827 u	11 077 u
Hungary	235 u	344 u	728 u	1 400 u	2 131 u	2 968 u	4 235 u	5 910 u	7 166 u	8 177 u
Iceland	4 u	4 u	5 u	7 u	7 u	7 u	7 e	7 u	7 e	7 u
Ireland	12 u	30 u	56 u	102 u	163 u	247 u	362 e	919 u	1 489 e	2 494 u
Italy	19 111 u	19 499 u	19 912 u	20 620 u	21 354 u	22 281 u	24 555 u	29 351 u	35 437 u	41 183 o
Kosovo*	2 u	7 u	7 u	10 u	10 u	14 u	14 e	14 u	20 e	21 u
Latvia	1 u	1 u	2 u	3 u	5 u	7 u	113 u	319 u	660 u	922 u
Lithuania	68 u	75 u	89 u	130 u	244 u	422 u	738 e	1 330 u	2 575 e	3 295 u
Luxembourg	122 u	128 u	131 u	160 u	187 u	277 u	317 u	394 u	548 u	774 u
Malta	92 u	109 u	129 u	151 u	180 u	194 u	210 u	226 u	238 u	250 u
Moldova Rep	2 o	2 o	3 o	5 o	4 o	14 o	60 o	201 u	400 u	711 u
Montenegro					3 u	3 u	3 u	17 u	64 u	100 u
Netherlands	2 135 e	2 911 u	4 608 u	7 228 u	11 110 u	14 823 u	17 356 u	21 957 u	24 772 u	25 878 o
North Macedonia	17 u	17 u	17 u	17 e	30 u	45 u	144 e	548 u	869 u	1 058 u
Norway	27 u	45 u	84 u	137 u	143 e	185 e	341 e	634 u	786 e	903 u
Poland	176 u	270 u	526 u	1 428 u	3 656 u	7 091 u	11 063 u	15 917 u	21 721 u	25 421 u
Portugal	533 u	619 u	717 u	970 u	1 191 u	1 817 u	2 817 e	4 040 u	5 811 e	6 949 u
Romania	1 372 u	1 374 u	1 386 u	1 398 u	1 383 u	1 394 u	1 809 u	2 988 u	4 257 u	6 237 u
Serbia	17 u	18 u	21 u	23 u	31 o	52 u	137 u	197 u	296 e	431 u
Slovakia	533 u	528 u	471 u	590 u	535 o	537 e	549 u	594 u	728 u	1 028 u
Slovenia	233 u	247 u	247 u	278 o	370 o	461 e	626 u	1 031 u	1 421 u	1 568 u
Spain	4 740 u	4 749 u	4 797 u	8 842 u	10 171 u	13 752 u	23 934 e	29 616 e	35 860 e	44 903 u
Sweden	153 u	244 u	428 u	730 u	1 124 u	1 625 u	2 407 e	4 012 u	4 848 e	5 500 u
Switzerland	1 617 u	1 860 u	2 117 u	2 425 u	2 875 u	3 515 u	4 528 u	6 064 u	7 764 u	9 114 u
UK	11 914 u	12 751 u	13 059 o	13 345 o	13 772 o	14 251 o	14 813 o	16 428 o	19 000 o	21 662 o
Ukraine	955 u	1 200 u	2 003 u	5 936 u	7 331 e	8 062 u	8 062 u	8 062 u	5 500 u	5 500 u
European Union	**89 016**	**93 020**	**100 970**	**116 922**	**135 097**	**161 832**	**194 305**	**248 793**	**308 427**	**364 740**
Middle East	**1 515**	**2 143**	**3 379**	**5 630**	**7 667**	**9 835**	**13 812**	**19 863**	**25 208**	**37 792**
Bahrain	6 u	6 u	6 u	10 u	10 u	21 u	46 u	57 u	66 u	112 e
Iran IR	43 u	184 u	286 u	346 u	430 u	456 e	539 u	595 u	782 u	1 782 e
Iraq	37 u	37 u	37 u	37 u	37 u	37 u	42 u	42 u	42 u	64 e
Israel	900 e	1 000 e	1 340 e	1 890 e	2 410 e	3 349 e	4 390 e	5 274 e	5 363 u	7 121 o
Jordan	311 e	418 e	760 e	971 e	1 541 e	1 811 e	1 966 e	1 990 u	2 195 u	2 195 u
Kuwait	21 e	21 e	32 e	33 e	33 e	33 e	50 e	50 e	50 e	50 u
Lebanon	24 e	37 e	56 e	78 e	92 e	206 e	869 e	1 081 e	1 081 e	1 505 e
Oman	2 u	8 u	26 u	26 u	129 u	155 u	655 u	672 u	672 e	1 672 e
Palestine	26 u	36 u	41 u	83 u	119 u	179 u	193 u	260 u	303 e	308 u
Qatar	5 u	5 u	5 u	5 u	5 u	5 u	805 u	805 u	805 u	1 680 u
Saudi Arabia	24 u	34 u	34 u	59 u	359 u	389 u	390 u	2 390 u	6 151 u	11 882 e
Syrian AR		0 u	1 u	2 u	12 o	33 o	307 o	1 022 u	1 606 u	2 249 o
United Arab Em	35 u	253 u	500 u	1 835 u	2 232 u	2 902 u	3 296 u	5 342 e	5 689 e	6 716 e
Yemen	81 u	103 u	253 u	254 u	258 u	258 u	264 u	283 u	403 u	456 u
N America	**35 829**	**44 922**	**55 197**	**68 127**	**84 254**	**106 070**	**125 024**	**154 668**	**193 909**	**228 974**
Canada	2 265 u	2 493 u	2 631 u	2 828 u	3 068 u	3 854 u	4 323 u	5 328 u	5 818 u	5 931 u
Greenland			0 u	0 u	0 e	1 e	1 u	1 u	1 e	1 u
Mexico	606 e	1 072 e	2 754 e	6 230 e	7 141 e	8 910 e	9 339 e	10 893 e	11 975 e	12 912 u
USA	32 958 e	41 357 u	49 812 u	59 068 u	74 046 u	93 306 u	111 362 u	138 447 u	176 114 u	210 130 o

Solar photovoltaic
Photovoltaïque solaire
Fotovoltaica solar

CAP (MW)	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
Oceania	**6 059**	**7 464**	**11 418**	**15 819**	**20 199**	**24 927**	**29 602**	**31 527**	**37 090**	**42 435**
Amer Samoa	4 e	4 e	5 e	5 u	5 u	5 u	7 u	7 u	7 e	7 o
Australia	5 878 o	7 238 o	11 125 o	15 450 o	19 770 o	24 394 o	28 884 o	30 672 o	35 995 o	41 065 o
Cook Is	3 u	3 u	5 u	6 u	6 u	6 u	6 u	6 u	6 u	6 u
Fiji	6 u	8 u	9 u	9 u	9 u	9 u	10 u	11 u	12 e	12 o
Fr Polynesia	32 u	35 u	38 u	41 u	45 u	46 u	52 e	53 u	81 e	81 u
Guam	35 o	36 u	38 u	40 u	41 u	43 u	105 u	105 u	105 e	105 u
Kiribati	2 u	2 u	2 u	2 u	2 u	2 u	2 u	4 u	4 e	4 e
Marshall Is	2 u	2 u	2 u	2 u	2 u	2 u	2 u	2 u	3 u	3 u
Micronesia	4 e	4 e	5 e	5 e	7 u	7 u	7 u	7 u	7 u	7 u
Nauru	1 u	1 e	1 e	2 u	2 u	3 u	3 u	3 u	3 e	9 e
New Caledon	10 e	27 e	60 e	104 e	125 e	175 e	210 e	215 e	215 e	219 o
New Zealand	53 u	71 o	91 o	115 o	145 o	192 o	262 o	371 o	578 u	836 o
Niue	0 u	0 u	0 u	1 u	1 u	1 u	1 u	1 u	2 o	2 o
Palau	2 u	2 u	3 u	3 u	3 e	4 u	4 u	20 u	20 e	23 u
Papua N Guin	1 u	1 u	1 u	2 u	2 u	4 u	4 u	4 u	5 u	6 u
Samoa	14 e	14 u	16 u	16 u	16 u	16 u	16 u	16 u	16 u	16 u
Solomon Is	2 u	3 u	3 u	2 u	2 u	2 u	4 u	6 e	6 e	8 o
Tokelau	1 u	1 e	1 e	1 e	1 e	1 e	1 e	1 e	1 e	1 u
Tonga	5 u	7 u	7 u	7 u	7 u	7 u	14 u	15 u	16 u	16 u
Tuvalu	4 u	4 e	4 u	4 u	4 e	4 u	4 u	4 e	5 u	5 e
Vanuatu	2 u	3 u	4 u	5 u	5 e	5 e	5 e	5 u	5 u	5 u
S America	**1 599**	**3 594**	**5 697**	**8 608**	**13 329**	**21 016**	**34 163**	**49 185**	**68 415**	**82 854**
Argentina	14 e	14 e	196 e	446 e	768 e	1 077 e	1 113 e	1 405 e	1 741 u	2 592 u
Bolivia	6 e	11 e	70 u	71 u	121 e	171 e	172 e	173 u	177 u	194 u
Brazil	135 e	1 210 e	2 458 e	4 669 e	8 386 e	14 310 e	25 066 e	37 563 e	53 114 u	64 692 u
Chile	1 125 u	1 724 u	2 298 u	2 721 u	3 287 u	4 604 u	6 779 u	8 634 u	10 911 e	12 032 o
Colombia	2 u	11 u	13 u	23 e	74 e	153 o	307 o	533 o	1 417 o	1 726 o
Ecuador	27 o	27 o	28 o	28 o	28 o	28 o	29 o	30 o	84 o	131 o
Falklands Malv	0 o	0 o	0 o	0 u	0 u	0 u	0 u	0 u	0 u	0 u
Fr Guiana	46 o	46 o	46 o	46 u	56 u	57 u	59 u	65 u	68 u	69 u
Guyana	2 u	3 u	6 u	7 u	7 u	7 u	13 u	18 u	21 u	38 u
Paraguay	0 o	0 o	0 o	0 o	0 u	0 u	1 u	1 u	1 u	3 u
Peru	146 e	298 e	324 e	335 e	335 e	332 e	332 e	447 u	528 o	1 016 u
Suriname	5 u	5 u	6 u	6 u	6 u	7 u	10 u	11 u	13 u	16 u
Uruguay	89 u	243 u	248 u	254 u	258 u	267 u	280 u	301 u	336 u	339 o
Venezuela	3 u	3 u	3 u	3 u	3 u	3 u	3 u	3 u	4 u	5 u

Concentrated solar power
Énergie solaire concentrée
Energía solar concentrada

CAP (MW)	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
World	**4 970**	**5 070**	**5 811**	**6 368**	**6 406**	**6 366**	**6 564**	**6 864**	**7 583**	**8 422**
Africa	**425**	**525**	**985**	**1 085**	**1 085**	**1 085**	**1 085**	**1 085**	**1 185**	**1 185**
Algeria	25 o	25 u	25 u	25 u	25 u	25 u	25 u	25 u	25 e	25 u
Egypt	20 u	20 o	20 u	20 u	20 u	20 u	20 u	20 u	20 u	20 u
Morocco	180 u	180 o	540 u	540 u	540 u	540 o	540 o	540 o	540 o	540 o
South Africa	200 o	300 o	400 o	500 u	500 o	500 o	500 o	500 u	600 u	600 u
Asia	**365**	**365**	**580**	**744**	**798**	**918**	**918**	**918**	**1 328**	**2 168**
China	31 u	31 u	246 u	396 u	450 u	570 u	570 u	570 u	980 u	1 820 u
India	329 u	329 u	329 u	343 u	343 u	343 u	343 u	343 u	343 u	343 u
Korea Rep	0 u	0 u								
Thailand	5 e	5 e	5 u	5 u	5 u	5 u	5 u	5 u	5 u	5 u
Eurasia	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**
Türkiye	1 o	1 o	1 o	1 u	1 u	1 u	1 e	1 u	1 e	1 u
Europe	**2 311**	**2 311**	**2 311**	**2 311**	**2 311**	**2 311**	**2 309**	**2 309**	**2 309**	**2 308**
Germany	2 u	2 u	2 u	2 u	2 u	2 u				
Italy	5 u	5 u	5 u	5 u	5 u	5 u	5 u	5 u	5 e	5 u
Romania		0 u	0 u	0 u	0 u	0 u	0 u	0 u	0 e	0 u
Spain	2 304 u	2 304 u	2 304 u	2 304 u	2 304 u	2 304 u	2 304 e	2 304 e	2 304 u	2 303 o
European Union	**2 311**	**2 311**	**2 311**	**2 311**	**2 311**	**2 311**	**2 309**	**2 309**	**2 309**	**2 308**
Middle East	**108**	**108**	**158**	**450**	**444**	**444**	**644**	**944**	**1 153**	**1 153**
Israel	6 u	6 u	6 u	248 u	242 e	242 u	242 u	242 u	242 e	242 o
Kuwait	2 o	2 o	2 o	52 o	52 o	52 o	52 o	52 u	52 e	52 u
Saudi Arabia			50 u	50 u	50 u	50 u	50 u	50 u	50 u	50 u
United Arab Em	100 u	100 u	100 u	100 u	100 u	100 u	300 u	600 u	809 u	809 u
N America	**1 758**	**1 758**	**1 774**	**1 775**	**1 765**	**1 497**	**1 497**	**1 497**	**1 497**	**1 497**
Mexico			16 u	17 u	17 u	17 u	17 u	17 u	17 e	17 u
USA	1 758 o	1 758 e	1 758 e	1 758 e	1 748 e	1 480 e	1 480 e	1 480 o	1 480 o	1 480 o
Oceania	**3**	**3**	**3**	**3**	**3**	**3**	**3**	**3**	**3**	**3**
Australia	3 u	3 u	3 u	3 u	3 u	3 u	3 u	3 u	3 u	3 u
S America	**0**	**0**	**0**	**0**	**0**	**108**	**108**	**108**	**108**	**108**
Chile						108 o	108 o	108 o	108 o	108 o

Bioenergy
Bioénergie
Bioenergía

CAP (MW)	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
World	**103 867**	**109 663**	**116 751**	**122 535**	**129 765**	**136 411**	**143 044**	**146 976**	**150 969**	**154 399**
Africa	**1 547**	**1 663**	**1 818**	**1 832**	**1 862**	**1 960**	**1 958**	**2 181**	**2 411**	**2 411**
Angola	51	51	51	51	51	51	51	51	51	51
Burkina Faso	1	1	1	1	1	1	1	1	1	1
Burundi	4	4	4	4	4	4	4	4	4	4
Chad	2	2	2	2	2	2	2	2	2	2
Congo DR	0	2	3	3	3	3	3	3	3	3
Congo Rep	12	12	12	12	12	12	12	12	12	12
Egypt	67	67	67	79	79	123	123	131	131	131
Eswatini	106	106	106	106	106	106	106	106	106	106
Ethiopia	145	205	290	290	290	335	335	335	335	335
Gabon	1	1	1	1	1	1	1	1	1	1
Ghana	8	8	8	8	8	8	8	8	8	8
Kenya	84	85	88	88	99	99	99	99	174	174
Liberia	0	0	0	0	0	0	0	0	0	0
Madagascar	0	0	0	0	0	0	0	0	0	0
Malawi	19	19	19	19	19	19	19	19	19	19
Mali	6	41	41	41	41	41	41	41	41	41
Mauritius	91	91	91	91	91	91	91	91	91	91
Morocco	7	7	7	7	7	7	7	7	7	7
Mozambique	73	73	73	75	75	75	75	75	75	75
Namibia	0	0	1	1	1	1	1	1	1	1
Nigeria	9	9	9	9	13	21	21	21	21	21
Reunion	46	46	87	87	87	87	86	299	455	455
Rwanda	1	1	1	1	1	1	1	1	1	1
Senegal	49	49	49	49	49	49	49	49	49	49
Sierra Leone	34	34	34	34	34	34	34	34	34	34
South Africa	256	260	265	265	265	265	265	265	265	265
Sudan	199	199	199	199	199	199	199	199	199	199
Tanzania	68	70	70	70	70	70	70	70	70	70
Uganda	65	76	96	96	112	112	112	113	113	113
Zambia	43	43	43	43	43	43	43	43	43	43
Zimbabwe	100	100	100	100	100	100	100	100	100	100
Asia	**29 891**	**33 245**	**37 096**	**42 009**	**48 735**	**54 872**	**59 353**	**62 052**	**63 858**	**66 024**
Bangladesh	45	45	45	45	45	45	45	45	45	45
Cambodia	55	75	76	76	68	66	75	73	73	73
China	9 269	11 234	13 235	16 537	21 855	27 345	29 390	31 255	32 300	33 100
China HK SAR		45	45	52	52	52	58	58	62	62
Chinese Taipei	395	395	397	395	402	401	408	416	417	417
India	8 895	9 417	10 137	10 226	10 533	10 592	10 669	10 752	11 237	11 384
Indonesia	1 775	1 849	1 875	1 884	1 893	2 270	3 087	3 375	3 082	3 203
Japan	1 631	2 025	2 450	2 924	3 324	3 979	5 284	5 760	6 223	7 289
Kazakhstan	0	1	1	2	8	8	8	2	2	2
Korea Rep	1 745	2 349	2 387	3 215	3 627	2 730	2 730	2 753	2 785	2 804
Lao PDR	40	40	123	123	123	123	123	123	123	123
Malaysia	1 526	800	810	883	891	904	928	945	945	945
Maldives				0	0	0	0	0	0	0
Myanmar	49	52	57	59	59	59	59	59	59	59
Nepal	7	7	7	7	6	7	7	7	7	7
Pakistan	374	374	432	432	432	432	432	432	432	432
Philippines	312	339	404	456	576	582	696	678	800	815
Singapore	169	169	169	165	163	175	232	244	216	219
Sri Lanka	24	26	27	40	45	45	45	49	49	49
Thailand	3 322	3 728	4 037	4 097	4 241	4 681	4 683	4 617	4 543	4 500
Timor Leste	0	0	0	0	0	0	0	0	0	0
Viet Nam	256	274	382	389	390	373	393	408	456	497
C America + Carib	**2 274**	**2 437**	**2 599**	**2 527**	**2 653**	**2 493**	**2 459**	**2 494**	**2 496**	**2 521**
Aruba	2	2	0	0	0	0	0	0	1	
Bahamas	1	1	1	1	1	1	1	1	1	1
Belize	28	36	36	36	36	36	36	36	36	36
Costa Rica	49	49	62	80	80	81	81	81	81	81
Cuba	405	442	464	370	476	482	440	440	440	440
Dominican Rep	20	81	81	81	81	81	83	83	83	83
El Salvador	259	270	305	300	300	301	303	304	305	304
Guadeloupe	31	32	33	33	50	50	50	51	51	51
Guatemala	992	1 028	1 081	1 036	1 036	870	870	870	870	870
Honduras	213	213	213	225	225	225	225	225	225	251
Jamaica	32	32	32	32	32	32	32	32	32	32
Martinique	3	3	44	44	44	44	44	46	46	46
Nicaragua	177	177	177	218	218	218	218	218	218	218
Panama	60	68	68	68	68	68	71	103	103	103
Puerto Rico	2	2	2	2	5	5	5	5	5	5
St Lucia	0	0	0	0	0	0	0	0	0	0
Trinidad Tobago	0									
Eurasia	**436**	**553**	**671**	**867**	**1 182**	**1 756**	**2 036**	**2 179**	**2 215**	**2 193**
Azerbaijan	38	43	45	45	45	45	45	38	38	38
Georgia								0	0	0
Russian Fed	39	39	39	39	40	129	131	131	131	157
Türkiye	359	472	587	784	1 097	1 583	1 861	2 010	2 046	1 999

Bioenergy
Bioénergie
Bioenergía

CAP (MW)	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
Europe	**35 645**	**37 095**	**39 967**	**41 263**	**40 965**	**40 599**	**41 784**	**42 169**	**43 471**	**44 001**
Albania		1	1	1	1	1	1	1	1	1
Andorra	5	5	5	5	5	5	5	5	5	5
Austria	1 393	1 290	1 271	1 249	1 251	1 171	1 195	1 228	1 152	1 176
Belarus	40	41	48	53	123	120	139	101	101	101
Belgium	923	912	887	906	922	815	875	822	582	730
Bosnia Herzg	1	1	1	2	2	10	10	10	10	10
Bulgaria	57	52	69	57	48	46	77	77	91	91
Croatia	63	87	115	127	135	154	161	151	157	157
Cyprus	10	10	13	13	13	13	14	14	11	11
Czechia	773	802	781	831	846	853	861	821	853	853
Denmark	1 305	1 791	1 774	1 982	2 086	2 152	2 008	1 968	1 969	1 961
Estonia	281	281	259	273	296	296	296	296	987	987
Faroe Islands					0	2	2	2	2	2
Finland	1 920	2 151	2 155	2 135	2 596	2 561	3 321	3 652	3 765	3 776
France	1 648	1 699	1 911	1 999	1 924	2 044	2 071	2 169	2 194	2 217
Germany	8 660	8 982	9 662	9 994	10 320	9 792	9 830	9 860	9 935	10 067
Greece	58	64	82	88	97	109	128	138	148	185
Hungary	427	491	513	504	509	551	533	525	635	635
Ireland	54	86	84	87	87	88	88	87	205	205
Italy	3 439	3 450	3 491	3 454	3 439	3 420	3 392	3 399	3 343	3 403
Latvia	143	154	158	158	156	152	144	130	126	112
Lithuania	72	79	104	105	116	116	118	169	170	199
Luxembourg	25	36	36	56	56	56	56	92	93	93
Malta	5	5	5	5	5	6	4	4	4	4
Moldova Rep	3	6	6	6	7	7	15	15	7	7
Netherlands	772	781	823	814	858	858	871	874	874	874
North Macedonia	5	7	8	9	10	12	15	15	13	13
Norway	87	87	87	81	77	77	77	83	92	92
Poland	974	968	1 004	1 010	1 045	1 100	1 217	1 177	1 153	1 215
Portugal	587	582	648	702	715	717	706	708	710	705
Romania	123	140	141	139	165	140	185	155	159	159
Serbia	11	15	19	28	31	36	39	55	62	62
Slovakia	253	246	243	226	225	250	264	205	348	348
Slovenia	60	62	60	60	67	67	67	67	67	67
Spain	1 037	1 045	1 057	1 112	1 264	1 278	1 279	1 279	1 282	1 314
Sweden	4 850	4 822	5 021	5 299	3 665	3 579	3 710	3 753	3 667	3 667
Switzerland	275	280	283	282	285	279	274	275	275	275
UK	5 251	5 514	7 043	7 230	7 305	7 391	7 463	7 488	7 824	7 824
Ukraine	60	73	98	180	212	275	275	301	400	400
European Union	**29 991**	**31 150**	**32 534**	**33 553**	**33 090**	**32 575**	**33 658**	**34 230**	**35 248**	**35 778**
Middle East	**85**	**86**	**89**	**89**	**89**	**89**	**102**	**126**	**359**	**386**
Iran IR	11	11	11	11	11	11	14	14	22	22
Israel	26	26	31	31	31	31	32	35	46	46
Jordan	13	13	13	13	13	13	13	13	13	13
Lebanon	9	9	7	7	7	7	7	7	7	7
Palestine		0	0	0	0	0	0	0	0	0
Qatar	19	19	19	19	19	19	19	19	19	19
Syrian AR	7	7	7	7	7	7	7	7	7	7
United Arab Em	1	1	1	1	1	1	9	30	245	272
Yemen						0	0	0	0	0
N America	**16 356**	**16 440**	**16 221**	**15 453**	**15 348**	**14 924**	**14 712**	**14 436**	**14 361**	**14 208**
Canada	2 610	2 729	2 729	2 524	2 581	2 705	2 723	2 708	2 708	2 708
Greenland	1	1	1	1	1	1	1	1	1	1
Mexico	843	873	871	871	873	880	882	886	890	890
USA	12 903	12 838	12 621	12 058	11 894	11 339	11 106	10 842	10 762	10 610
Oceania	**1 079**	**1 094**	**1 094**	**1 094**	**1 096**	**1 104**	**1 104**	**1 104**	**1 190**	**1 113**
Australia	864	864	864	864	871	871	871	871	955	892
Fiji	47	59	59	59	59	66	66	66	66	66
New Caledon	0	0	0	0	0	0	0	0	1	1
New Zealand	146	149	149	149	143	143	143	143	145	130
Papua N Guin	18	18	18	18	18	18	18	18	18	18
Samoa				0	1	1	1	1	1	1
Solomon Is	1	1	1	1	1	1	1	1	1	1
Vanuatu	3	3	3	3	3	3	3	3	3	3
S America	**16 554**	**17 050**	**17 196**	**17 402**	**17 837**	**18 614**	**19 536**	**20 235**	**20 608**	**21 541**
Argentina	222	241	243	260	323	354	358	376	380	435
Bolivia	131	115	139	144	144	143	192	269	269	265
Brazil	14 652	15 039	15 143	15 351	15 713	16 378	17 229	17 485	17 807	18 373
Chile	463	500	501	452	454	490	490	521	521	765
Colombia	259	312	322	322	330	352	354	386	388	422
Ecuador	146	152	152	152	152	153	153	153	166	167
Fr Guiana	2	2	2	2	2	10	10	16	17	17
Guyana	45	45	45	45	45	45	45	45	45	45
Paraguay	20	20	20	22	22	22	22	22	22	22
Peru	186	196	197	218	218	187	203	168	197	236
Suriname	2	2	2	2	2	2	2	2	2	2
Uruguay	417	417	423	423	423	423	423	737	737	737
Venezuela	10	10	10	10	10	56	56	56	56	56

Renewable waste
Déchets renouvelables
Residuos renovables

CAP (MW)	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
World	**10 631**	**11 583**	**12 760**	**14 252**	**16 081**	**19 007**	**20 349**	**21 520**	**22 546**	**23 464**
Africa	**0**	**0**	**25**	**25**	**25**	**25**	**25**	**25**	**25**	**25**
Ethiopia			25 u	25 u	25 u	25 u	25 e	25 u	25 u	25 o
Asia	**4 534**	**5 329**	**6 377**	**7 834**	**9 607**	**12 673**	**14 088**	**15 165**	**16 027**	**16 895**
China	2 870 u	3 640 u	4 575 u	6 009 u	7 665 u	10 645 u	11 930 u	12 885 u	13 690 u	14 330 u
Chinese Taipei	315 o	315 o	316 o	316 o	316 o	316 o	316 o	333 o	333 o	332 o
India	139 o	146 o	159 o	165 o	188 o	217 u	260 u	291 u	310 u	428 o
Indonesia	8 o	8 o	8 o	8 o	8 u	14 u	12 u	18 u	18 o	18 o
Japan	919 u	935 o	958 o	975 o	1 027 o	1 050 o	1 057 o	1 108 o	1 163 o	1 227 o
Korea Rep	77 u	54 o	63 o	63 o	91 o	91 o	91 o	92 o	93 u	94 u
Malaysia	7 u	7 u	7 u	7 u	7 u	7 u	16 u	16 u	16 e	16 e
Maldives				0 u	0 u	0 u	0 u	0 u	0 e	0 u
Myanmar		0 u	0 u	0 u	0 u	0 u	0 u	0 e	0 e	0 u
Philippines									0 o	0 o
Singapore	128 o	128 o	128 o	128 o	128 o	128 o	197 o	197 o	173 o	173 o
Sri Lanka					5 o	5 o	5 o	5 o	5 o	5 u
Thailand	73 u	96 u	159 u	157 u	167 u	194 u	188 u	188 u	188 u	193 o
Viet Nam		1 u	5 u	5 u	5 u	5 u	15 u	30 u	36 u	77 u
C America + Carib	**4**	**4**	**2**	**2**	**2**	**2**	**2**	**5**	**6**	**5**
Aruba	2 u	2 u	0 u	0 u	0 u	0 u	0 u	0 u	1 e	
Martinique	2 e	2 e	2 e	2 e	2 e	2 e	2 e	5 u	5 e	5 o
Eurasia	**37**	**42**	**45**	**46**	**46**	**98**	**98**	**98**	**98**	**50**
Azerbaijan	37 u	42 u	44 u	44 u	44 e	44 u	44 e	37 u	37 u	37 e
Türkiye			1 u	2 u	2 u	54 u	54 u	61 u	61 e	13 o
Europe	**4 868**	**5 022**	**5 136**	**5 227**	**5 280**	**5 083**	**5 042**	**5 151**	**5 173**	**5 245**
Albania		1 u	1 u	1 u	1 u	1 u	1 e	1 o	1 e	1 u
Andorra	5 o	5 o	5 o	5 o	5 u	5 u	5 e	5 u	5 e	5 u
Austria	271 u	271 u	270 u	272 u	270 o	240 u	245 u	245 o	221 u	217 u
Belgium	156 u	157 u	159 u	164 u	173 u	182 u	183 u	179 u	179 e	212 u
Czechia	28 u	28 u	28 u	28 u	28 u	28 u	28 e	28 u	28 e	28 u
Denmark	166 u	182 u	181 u	181 u	178 u	176 u	176 u	176 u	177 u	169 o
Estonia	105 u	105 u	85 u	85 u	85 u	85 u	85 e	85 o	9 u	9 u
Finland	59 u	69 u	69 u	69 u	69 u	69 u	69 u	85 u	111 u	113 u
France	619 u	624 u	607 u	608 u	555 u	571 u	577 u	538 u	542 u	542 u
Germany	982 u	1 007 u	1 066 u	1 087 u	1 027 e	1 075 u	1 058 u	1 039 u	1 058 e	1 091 u
Hungary	29 u	23 u	23 u	23 u	27 u	28 u	25 u	23 u	19 u	19 u
Ireland	11 u	41 u	41 u	41 u	41 u	41 u	41 u	41 u	41 u	41 u
Italy	420 u	421 u	428 u	413 u	420 u	438 u	416 u	437 u	439 u	439 u
Lithuania	8 u	9 u	7 u	7 u	17 u	21 u	19 e	20 u	21 u	21 u
Luxembourg	9 u	9 u	9 u	9 u	9 u	9 u	9 e	9 o	9 o	9 u
Netherlands	338 e	338 u	393 u	393 u	394 u	394 u	394 u	394 u	394 e	394 u
Norway	50 u	50 u	50 u	47 u	46 u	43 u	43 e	44 u	46 u	46 u
Poland	157 u	190 u	202 u	195 u	217 u	184 u	199 e	192 u	192 o	192 u
Portugal	42 u	41 u	41 u	41 u	41 u	41 u	40 u	40 u	40 u	40 u
Serbia		1 u	1 u	1 u	1 u	1 u	1 u	16 u	17 e	17 u
Slovakia	10 u	6 u	6 u	6 u	6 u	6 u	7 u	6 u	7 u	7 u
Spain	117 u	121 u	121 u	121 u	121 u	133 u	133 u	133 u	133 u	149 o
Sweden	564 u	567 u	566 u	568 u	623 u	386 u	336 u	438 u	478 u	478 u
Switzerland	212 u	212 u	212 o	211 o	211 u	203 u	198 u	198 u	198 u	198 u
UK	514 e	545 e	568 e	655 e	717 e	725 e	755 o	779 o	809 u	809 u
European Union	**4 090**	**4 210**	**4 302**	**4 310**	**4 301**	**4 107**	**4 040**	**4 112**	**4 101**	**4 173**
Middle East	**15**	**15**	**15**	**15**	**15**	**15**	**15**	**35**	**250**	**277**
Qatar	15 u	15 u	15 u	15 u	15 u	15 u	15 u	15 u	15 u	15 u
United Arab Em								20 e	235 u	262 u
N America	**1 170**	**1 169**	**1 157**	**1 100**	**1 101**	**1 098**	**1 065**	**1 028**	**932**	**932**
Canada	46 o	46 o	40 o	40 o	40 o	40 o	40 o	38 u	38 u	38 u
Greenland	1 u	1 u	1 u	1 u	1 u	1 u	1 u	1 u	1 e	1 u
USA	1 124 u	1 123 e	1 117 e	1 060 e	1 061 e	1 058 e	1 025 e	990 o	894 u	894 o
Oceania	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**20**	**20**
Australia									19 u	19 u
New Caledon									1 e	1 u
S America	**2**	**2**	**2**	**2**	**4**	**12**	**13**	**14**	**16**	**15**
Brazil	2 u	2 u	2 u	2 u	4 u	12 u	13 u	14 u	14 u	13 o
Colombia									2 o	2 u

Renewable municipal waste
Déchets municipaux renouvelables
Residuos municipales renovables

CAP (MW)	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
World	**10 451**	**11 375**	**12 548**	**14 043**	**15 855**	**18 777**	**20 103**	**21 281**	**22 307**	**23 225**
Africa	**0**	**0**	**25**	**25**	**25**	**25**	**25**	**25**	**25**	**25**
Ethiopia			25 u	25 u	25 u	25 u	25 e	25 u	25 u	25 o
Asia	**4 534**	**5 329**	**6 377**	**7 834**	**9 607**	**12 673**	**14 088**	**15 165**	**16 027**	**16 895**
China	2 870 u	3 640 u	4 575 u	6 009 u	7 665 u	10 645 u	11 930 u	12 885 u	13 690 u	14 330 u
Chinese Taipei	315 o	315 o	316 o	316 o	316 o	316 o	316 o	333 o	333 o	332 o
India	139 o	146 o	159 o	165 o	188 o	217 u	260 u	291 u	310 u	428 o
Indonesia	8 o	8 o	8 o	8 o	8 u	14 u	12 u	18 u	18 o	18 o
Japan	919 u	935 o	958 o	975 o	1 027 o	1 050 o	1 057 o	1 108 o	1 163 o	1 227 o
Korea Rep	77 u	54 o	63 o	63 o	91 o	91 o	91 o	92 o	93 u	94 u
Malaysia	7 u	7 u	7 u	7 u	7 u	7 u	16 u	16 u	16 e	16 e
Maldives				0 u	0 u	0 u	0 u	0 u	0 e	0 u
Myanmar		0 u	0 u	0 u	0 u	0 u	0 u	0 e	0 e	0 u
Philippines									0 o	0 o
Singapore	128 o	128 o	128 o	128 o	128 o	128 o	197 o	197 o	173 o	173 o
Sri Lanka					5 o	5 o	5 o	5 o	5 o	5 u
Thailand	73 u	96 u	159 u	157 u	167 u	194 u	188 u	188 u	188 u	193 o
Viet Nam		1 u	5 u	5 u	5 u	5 u	15 u	30 u	36 u	77 u
C America + Carib	**4**	**4**	**2**	**2**	**2**	**2**	**2**	**5**	**6**	**5**
Aruba	2 u	2 u	0 u	0 u	0 u	0 u	0 u	0 u	1 e	
Martinique	2 e	2 e	2 e	2 e	2 e	2 e	2 e	5 u	5 e	5 o
Eurasia	**37**	**42**	**45**	**46**	**46**	**98**	**98**	**98**	**98**	**50**
Azerbaijan	37 u	42 u	44 u	44 u	44 e	44 u	44 e	37 u	37 u	37 e
Türkiye			1 u	2 u	2 u	54 u	54 u	61 u	61 e	13 o
Europe	**4 688**	**4 813**	**4 924**	**5 018**	**5 054**	**4 854**	**4 796**	**4 912**	**4 934**	**5 006**
Albania		1 u	1 u	1 u	1 u	1 u	1 e	1 o	1 e	1 u
Andorra	5 o	5 o	5 o	5 o	5 u	5 u	5 e	5 u	5 e	5 u
Austria	271 u	271 u	270 u	272 u	270 o	240 u	245 u	245 o	221 u	217 u
Belgium	125 u	125 u	125 u	126 u	136 o	146 u	147 u	143 u	143 u	176 u
Czechia	28 u	28 u	28 u	28 u	28 u	28 u	28 e	28 u	28 e	28 u
Denmark	166 u	182 u	181 u	181 u	178 u	176 u	176 u	176 u	177 u	169 o
Estonia	105 u	105 u	85 u	85 u	85 u	85 u	85 e	85 o	9 u	9 u
Finland	59 u	69 u	69 u	69 u	69 u	69 u	69 u	85 u	111 u	113 u
France	619 u	624 u	607 u	608 u	555 u	571 u	577 u	538 u	542 u	542 u
Germany	979 u	1 004 u	1 063 o	1 084 u	1 024 e	1 041 u	1 023 u	1 004 u	1 023 u	1 056 u
Hungary	29 u	23 u	23 u	23 u	27 u	28 u	25 u	23 u	19 u	19 u
Ireland	11 u	41 u	41 u	41 u	41 u	41 u	41 u	41 u	41 u	41 u
Italy	409 u	408 u	412 u	396 u	402 u	418 u	396 u	417 u	419 u	419 u
Lithuania	8 u	9 u	7 u	7 u	17 u	21 u	19 e	20 u	21 u	21 u
Luxembourg	9 u	9 u	9 u	9 u	9 u	9 u	9 e	9 o	9 o	9 u
Netherlands	338 e	338 u	393 u	393 u	394 u	394 u	394 u	394 u	394 e	394 u
Norway	50 u	50 u	50 u	47 u	46 u	43 u	43 e	44 u	46 u	46 u
Poland	22 u	30 u	43 u	45 u	50 u	45 u	45 e	45 u	45 o	45 u
Portugal	42 u	41 u	41 u	41 u	41 u	41 u	40 u	40 u	40 u	40 u
Serbia								15 u	16 u	16 u
Slovakia	10 u	6 u	6 u	6 u	6 u	6 u	7 u	6 u	7 u	7 u
Spain	117 u	121 u	121 u	121 u	121 u	133 u	133 u	133 u	133 u	149 o
Sweden	564 u	567 u	566 u	568 u	623 u	386 u	336 u	438 u	478 u	478 u
Switzerland	212 u	212 u	212 o	211 o	211 u	203 u	198 u	198 u	198 u	198 u
UK	514 e	545 e	568 e	655 e	717 e	725 e	755 o	779 o	809 u	809 u
European Union	**3 910**	**4 002**	**4 090**	**4 102**	**4 076**	**3 878**	**3 795**	**3 874**	**3 863**	**3 935**
Middle East	**15**	**15**	**15**	**15**	**15**	**15**	**15**	**35**	**250**	**277**
Qatar	15 u	15 u	15 u	15 u	15 u	15 u	15 u	15 u	15 u	15 u
United Arab Em								20 e	235 u	262 u
N America	**1 170**	**1 169**	**1 157**	**1 100**	**1 101**	**1 098**	**1 065**	**1 028**	**932**	**932**
Canada	46 o	46 o	40 o	40 o	40 o	40 o	40 o	38 u	38 u	38 u
Greenland	1 u	1 u	1 u	1 u	1 u	1 u	1 u	1 u	1 e	1 u
USA	1 124 o	1 123 e	1 117 e	1 060 e	1 061 e	1 058 e	1 025 e	990 o	894 u	894 o
Oceania	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**20**	**20**
Australia									19 u	19 u
New Caledon									1 e	1 u
S America	**2**	**2**	**2**	**2**	**4**	**12**	**13**	**14**	**16**	**15**
Brazil	2 u	2 u	2 u	2 u	4 u	12 u	13 u	14 u	14 u	13 o
Colombia									2 o	2 u

Renewable industrial waste
Déchets industriels renouvelables
Residuos industriales renovables

CAP (MW)	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
World	**180**	**209**	**213**	**209**	**226**	**230**	**246**	**239**	**239**	**239**
Europe	**180**	**209**	**213**	**209**	**226**	**230**	**246**	**239**	**239**	**239**
Belgium	31 u	32 u	34 u	38 u	37 u	36 u	36 u	36 o	36 e	36 u
Germany	3 o	3 u	3 u	3 u	3 u	34 u	35 u	35 u	35 e	35 u
Italy	11 u	13 u	16 u	17 u	18 u	20 u	20 u	20 u	20 u	20 u
Poland	135 u	160 u	159 u	150 u	167 u	139 u	154 u	147 u	147 o	147 u
Serbia		1 u	1 u	1 u	1 u	1 u	1 u	1 u	1 e	1 u
European Union	**180**	**208**	**212**	**208**	**225**	**229**	**245**	**238**	**238**	**238**
N America	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
USA	0 u	0 u								

Solid biofuels
Biocombustibles solides
Biocombustibles sólidos

CAP (MW)	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
World	**74 338**	**78 270**	**83 020**	**85 590**	**91 034**	**94 971**	**99 800**	**102 021**	**104 916**	**107 343**
Africa	**1 511**	**1 624**	**1 708**	**1 709**	**1 740**	**1 793**	**1 792**	**1 793**	**2 023**	**2 023**
Angola	51 u	51 u	51 u	51 u	51 u	51 u	51 u	51 u	51 u	51 u
Burundi	4 o	4 o	4 o	4 o	4 o	4 o	4 o	4 o	4 o	4 o
Chad	2 o	2 o	2 o	2 o	2 o	2 e	2 e	2 e	2 e	2 e
Congo DR	0 u	2 u	3 u	3 e	3 e	3 e	3 e	3 e	3 e	3 e
Congo Rep	12 u	12 u	12 u	12 u	12 u	12 u	12 u	12 u	12 u	12 u
Egypt	67 u	67 u	67 u	67 e	67 u	67 u	67 u	67 u	67 u	67 u
Eswatini	106 o	106 o	106 o	106 o	106 o	106 o	106 o	106 o	106 o	106 o
Ethiopia	145 u	205 u	265 u	265 u	265 u	310 u	310 u	310 u	310 e	310 o
Ghana	8 u	8 u	8 u	8 u	8 u	8 u	8 u	8 u	8 u	8 u
Kenya	82 u	83 u	86 u	86 u	97 u	97 u	97 u	97 u	172 u	172 u
Liberia	0 u	0 u	0 u	0 u	0 u	0 u	0 u	0 u	0 u	0 u
Madagascar	0 o	0 u	0 u	0 u	0 u	0 u	0 u	0 u	0 u	0 u
Malawi	19 o	19 o	19 o	19 o	19 o	19 o	19 o	19 o	19 o	19 o
Mali	5 u	40 u	40 u	40 u	40 u	40 u	40 u	40 u	40 u	40 u
Mauritius	87 o	87 o	87 o	87 o	87 o	87 o	87 o	87 o	87 u	87 o
Mozambique	73 u	73 u	73 u	75 u	75 u	75 u	75 u	75 u	75 u	75 o
Namibia	0 o	0 o	0 o	0 o	0 o	0 o	0 o	0 o	0 o	0 o
Nigeria	9 u	9 u	9 u	9 u	13 u	21 u	21 u	21 u	21 u	21 u
Reunion	42 u	42 u	42 u	42 u	42 u	42 u	41 o	41 o	196 o	196 o
Rwanda	1 u	1 u	1 e	1 e	1 e	1 e	1 e	1 e	1 e	1 e
Senegal	49 o	49 o	49 o	49 o	49 o	49 o	49 o	49 o	49 u	49 o
Sierra Leone	34 u	34 u	34 u	34 e	34 e	34 e	34 e	34 e	34 e	34 e
South Africa	242 u	242 u	242 u	242 e	242 e	242 e	242 e	242 e	242 e	242 e
Sudan	199 u	199 u	199 u	199 u	199 u	199 u	199 u	199 u	199 u	199 u
Tanzania	67 o	70 o	70 o	70 o	70 o	70 o	70 o	70 o	70 o	70 o
Uganda	65 u	76 u	96 u	96 o	112 o	112 o	112 o	113 o	113 o	113 o
Zambia	43 u	43 e	43 e	43 e	43 e	43 o	43 o	43 o	43 o	43 o
Zimbabwe	100 u	100 u	100 u	100 u	100 u	100 u	100 u	100 o	100 o	100 o
Asia	**23 853**	**26 179**	**28 738**	**31 274**	**36 142**	**39 336**	**42 228**	**43 644**	**44 538**	**45 984**
Bangladesh	40 u	40 u	40 u	40 u	40 u	40 u	40 u	40 u	40 u	40 u
Cambodia	54 u	74 u	74 u	74 u	67 u	65 u	74 u	72 u	72 u	72 u
China	6 050 u	7 140 u	8 030 u	9 729 u	13 300 u	15 590 u	16 230 u	16 880 u	17 090 u	17 400 u
China HK SAR		28 e	28 e	28 e	28 e	28 e	28 u	28 u	28 u	28 u
Chinese Taipei	71 o	71 o	71 o	71 o	71 o	71 o	71 o	61 o	61 o	61 o
India	8 746 o	9 258 u	9 965 o	10 046 o	10 331 o	10 361 u	10 395 u	10 447 u	10 913 u	10 942 u
Indonesia	1 703 o	1 741 o	1 759 u	1 764 u	1 767 u	2 121 u	2 925 u	3 201 u	2 906 u	3 027 u
Japan	678 u	1 044 u	1 433 u	1 880 u	2 219 u	2 841 u	4 133 u	4 546 u	4 948 u	5 950 u
Korea Rep	1 179 u	1 799 o	1 835 o	1 992 o	2 447 o	2 011 o	2 011 o	2 032 o	2 055 u	2 069 u
Lao PDR	40 o	40 u	123 u	123 u	123 u	123 u	123 u	123 u	123 u	123 u
Malaysia	1 462 u	732 u	734 u	774 u	774 u	774 u	774 u	774 u	774 u	774 u
Myanmar	48 u	50 u	55 u	57 u	57 u	57 u	57 u	57 u	57 e	57 u
Nepal	7 u	7 u	7 u	7 u	6 u	6 o	6 o	6 o	6 o	6 u
Pakistan	365 u	365 u	423 u	423 u	423 u	423 u	423 u	423 u	423 u	423 u
Philippines	280 u	305 u	358 u	410 u	527 u	533 u	648 u	629 u	751 u	766 o
Singapore	41 u	41 u	41 u	37 u	35 u	47 u	36 u	47 u	43 u	46 u
Sri Lanka	24 o	26 o	27 o	40 o	40 o	40 o	40 o	44 o	44 o	44 u
Thailand	2 815 u	3 157 u	3 373 u	3 410 u	3 517 u	3 852 u	3 852 u	3 870 u	3 798 u	3 749 u
Viet Nam	252 u	262 u	364 u	371 u	371 u	355 u	364 u	364 u	406 u	406 u
C America + Carib	**2 245**	**2 393**	**2 557**	**2 484**	**2 607**	**2 447**	**2 391**	**2 424**	**2 424**	**2 450**
Belize	28 u	36 u	36 u	36 u	36 u	36 u	36 u	36 u	36 u	36 u
Costa Rica	45 o	45 o	57 o	76 o	76 o	76 o	76 o	76 e	76 o	76 o
Cuba	405 e	442 e	464 e	369 e	476 e	480 e	424 e	424 e	424 e	424 u
Dominican Rep	18 e	79 e	79 e	79 e	79 e	79 e	79 e	79 e	79 e	79 o
El Salvador	252 u	264 o	299 o	294 o	294 o	295 o	295 u	295 o	295 o	295 o
Guadeloupe	30 e	30 e	30 e	30 e	47 e	47 e	47 e	47 u	47 e	47 o
Guatemala	990 o	1 022 o	1 075 o	1 030 o	1 030 o	864 o	864 o	864 o	864 o	864 o
Honduras	209 e	209 e	209 e	221 e	221 e	221 e	221 e	221 e	221 e	247 e
Jamaica	32 e	32 e	32 u	32 u	32 u	32 u	32 u	32 u	32 u	32 u
Martinique			40 u	40 u	40 u	40 u	40 u	40 u	40 e	40 o
Nicaragua	177 e	177 e	177 o	218 o	218 o	218 u	218 u	218 u	218 e	218 u
Panama	60 u	60 u	60 u	60 u	60 u	60 u	60 u	92 e	92 e	92 u
Puerto Rico			0 u	0 u	0 u	0 u				
St Lucia	0 e	0 u	0 u	0 u	0 u	0 u	0 u	0 u	0 e	0 o
Trinidad Tobago	0 e									
Eurasia	**81**	**109**	**155**	**240**	**359**	**601**	**728**	**802**	**812**	**812**
Georgia								0 u	0 u	0 u
Russian Fed	26 u	26 u	26 u	26 u	27 u	110 u	112 u	112 u	112 u	112 u
Türkiye	55 u	83 u	129 u	214 o	332 u	491 u	616 u	690 u	700 u	700 u

Solid biofuels
Biocombustibles solides
Biocombustibles sólidos

CAP (MW)	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
Europe	**17 202**	**18 052**	**20 061**	**20 522**	**20 479**	**20 767**	**21 864**	**21 969**	**23 236**	**23 458**
Austria	917 u	838 u	824 u	813 u	816 u	765 e	784 e	805 u	748 o	776 u
Belarus	13 u	13 u	16 u	16 u	86 u	83 u	101 u	101 u	101 u	101 e
Belgium	535 u	527 u	492 u	501 u	527 u	412 u	458 u	394 u	203 u	318 u
Bosnia Herzg			0 o	1 o	1 u	9 u	9 u	9 o	9 e	9 u
Bulgaria	19 u	23 u	33 u	24 u	15 o	13 u	40 u	40 u	54 u	54 u
Croatia	26 u	42 u	65 u	76 u	80 o	95 e	101 u	97 u	98 u	98 u
Czechia	376 u	402 u	385 u	434 u	452 u	456 u	455 e	417 u	454 e	454 u
Denmark	1 032 u	1 501 u	1 485 u	1 681 e	1 777 u	1 848 e	1 707 e	1 668 u	1 668 e	1 668 u
Estonia	165 u	165 u	165 u	180 u	200 o	200 u	200 u	200 u	974 u	974 u
Finland	1 747 u	1 966 u	1 966 u	1 963 u	2 442 o	2 398 u	3 176 u	3 491 u	3 578 u	3 587 u
France	612 u	624 u	828 u	875 u	810 u	899 u	911 u	1 040 u	1 060 u	1 082 o
Germany	1 597 u	1 598 u	1 582 u	1 595 u	1 568 u	1 553 u	1 557 u	1 555 u	1 580 e	1 600 u
Greece	2 u	3 u	12 u	13 u	14 o	16 e	16 u	17 u	20 u	24 u
Hungary	322 u	386 u	414 u	402 u	397 u	438 u	424 u	418 u	530 u	530 u
Ireland	5 u	5 u	5 u	7 o	7 o	7 u	7 e	7 u	125 e	125 u
Italy	674 u	671 u	717 u	711 u	708 u	682 u	681 u	675 u	661 u	596 u
Latvia	81 u	94 u	97 u	97 u	96 u	95 e	90 e	86 u	87 e	73 u
Lithuania	39 u	45 u	62 u	63 o	63 o	58 e	62 e	112 u	112 u	141 o
Luxembourg	4 u	15 u	15 u	35 u	35 o	35 u	36 u	73 u	75 u	75 u
Netherlands	210 e	218 u	223 u	220 u	272 u	284 u	298 u	295 u	295 e	295 u
North Macedonia			1 o	2 o	2 u	3 u	3 u	3 u	3 e	3 u
Norway	27 u	27 u	27 u	27 u	20 u	27 u	27 u	30 u	36 e	36 u
Poland	592 u	549 u	576 u	582 u	567 u	664 u	740 u	708 u	673 o	735 u
Portugal	477 u	471 u	536 u	590 u	603 u	603 e	593 e	593 u	594 e	589 u
Romania	107 u	119 u	119 u	119 u	136 u	109 u	161 u	134 u	138 u	138 u
Serbia	1 u	1 u	1 u	2 u	2 u	2 u	2 u	2 u	2 u	2 u
Slovakia	150 u	149 u	148 u	138 u	137 o	163 e	180 u	115 u	152 u	152 u
Slovenia	30 u	33 u	32 u	34 u	35 o	36 e	36 u	36 u	36 u	36 u
Spain	672 o	672 o	672 o	718 o	868 o	867 e	867 e	867 e	867 u	883 o
Sweden	3 769 u	3 706 u	3 918 u	3 834 u	2 942 u	3 093 e	3 274 e	3 089 u	3 089 e	3 089 u
UK	2 963 e	3 150 e	4 593 e	4 684 e	4 693 e	4 702 e	4 714 e	4 714 e	5 015 u	5 015 u
Ukraine	39 u	39 o	52 u	87 e	109 e	152 u	152 u	178 u	200 u	200 u
European Union	**14 234**	**14 896**	**15 486**	**15 818**	**15 697**	**15 928**	**16 995**	**17 075**	**18 169**	**18 390**
Middle East	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Yemen						0 o	0 u	0 u	0 u	0 u
N America	**12 430**	**12 415**	**12 182**	**11 620**	**11 618**	**11 205**	**11 104**	**11 033**	**11 073**	**10 935**
Canada	2 385 u	2 465 u	2 477 u	2 233 u	2 279 u	2 298 u	2 318 u	2 318 u	2 318 u	2 318 u
Mexico	796 e	816 e	816 e	816 e	816 e	816 e	816 u	817 u	817 e	817 u
USA	9 249 e	9 134 e	8 889 e	8 571 e	8 523 e	8 091 e	7 970 e	7 898 u	7 938 u	7 800 u
Oceania	**835**	**851**	**851**	**851**	**846**	**854**	**854**	**854**	**950**	**912**
Australia	674 u	674 u	674 u	674 u	674 u	674 u	674 u	674 u	770 u	747 u
Fiji	47 u	59 u	59 u	59 u	59 u	66 u	66 u	66 u	66 e	66 u
New Zealand	99 u	104 u	104 u	104 u	98 u	98 u	98 u	98 u	98 o	83 o
Papua N Guin	15 u	15 u	15 u	15 u	15 u	15 u	15 u	15 u	15 u	15 o
Samoa					1 u	1 u	1 u	1 u	1 u	1 u
Solomon Is	1 u	1 u	1 u	1 u	1 u	1 u	1 u	1 u	1 e	1 o
S America	**16 180**	**16 646**	**16 768**	**16 889**	**17 243**	**17 969**	**18 839**	**19 504**	**19 859**	**20 769**
Argentina	204 e	218 e	218 e	220 e	271 e	291 e	291 e	296 e	296 u	350 u
Bolivia	131 e	115 e	139 e	144 e	144 e	143 e	192 e	269 o	269 o	265 u
Brazil	14 370 u	14 740 u	14 829 u	14 966 u	15 269 u	15 897 u	16 699 u	16 935 u	17 250 u	17 796 o
Chile	410 u	444 u	444 u	399 u	395 u	430 u	430 u	463 u	463 o	707 o
Colombia	253 u	306 u	316 u	316 u	319 u	342 e	343 e	376 e	376 u	406 u
Ecuador	144 o	144 o	144 o	144 o	144 o	144 o	144 o	144 o	155 o	156 o
Fr Guiana	2 u	2 u	2 u	2 u	2 u	10 u	10 u	16 u	16 u	16 u
Guyana	45 u	45 u	45 u	45 u	45 u	45 u	45 u	45 u	45 u	45 u
Paraguay	20 u	20 u	20 u	20 u	20 u	20 u	20 u	20 u	20 u	20 u
Peru	176 e	186 e	186 e	208 e	208 e	177 e	192 e	155 u	185 o	223 o
Suriname	2 o	2 o	2 o	2 o	2 o	2 o	2 o	2 u	2 u	2 u
Uruguay	415 u	415 u	415 u	415 u	415 u	415 u	415 u	729 u	729 u	729 o
Venezuela	10 u	10 u	10 u	10 u	10 u	56 u	56 u	56 u	56 u	56 u

Bagasse
Bagasse
Bagazo

CAP (MW)	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
World	**19 685**	**20 027**	**21 568**	**21 626**	**22 153**	**22 194**	**22 254**	**22 448**	**23 080**	**23 630**
Africa	**1 467**	**1 576**	**1 658**	**1 660**	**1 686**	**1 731**	**1 730**	**1 731**	**1 923**	**1 923**
Angola	51 u	51 u	51 u	51 u	51 u	51 u	51 u	51 u	51 u	51 u
Burundi	4 o	4 o	4 o	4 o	4 o	4 o	4 o	4 o	4 o	4 o
Chad	2 o	2 o	2 o	2 o	2 o	2 e	2 e	2 e	2 e	2 e
Congo Rep	5 u	5 u	5 u	5 u	5 u	5 u	5 u	5 u	5 u	5 u
Egypt	67 u	67 u	67 u	67 e	67 u	67 u	67 u	67 u	67 u	67 u
Eswatini	106 o	106 o	106 o	106 o	106 o	106 o	106 o	106 o	106 o	106 o
Ethiopia	145 u	205 u	265 u	265 u	265 u	310 u	310 u	310 u	310 e	310 o
Kenya	82 u	83 u	86 u	86 u	97 u	97 u	97 u	97 u	172 u	172 u
Malawi	19 o	19 o	19 o	19 o	19 o	19 o	19 o	19 o	19 o	19 o
Mali	5 u	40 u	40 o	40 o	40 o	40 o	40 o	40 o	40 o	40 o
Mauritius	87 o	87 o	87 o	87 o	87 o	87 o	87 o	87 o	87 u	87 o
Mozambique	73 u	73 u	73 u	75 u	75 u	75 u	75 u	75 u	75 u	75 o
Nigeria	5 u	5 u	5 u	5 u	5 u	5 u	5 u	5 u	5 u	5 u
Reunion	42 u	42 u	42 u	42 u	42 u	42 u	41 o	41 o	157 o	157 o
Rwanda	1 u	1 u	1 e	1 e	1 e	1 e	1 e	1 e	1 e	1 e
Senegal	49 o	49 o	49 o	49 o	49 o	49 o	49 o	49 o	49 u	49 o
Sierra Leone	32 u	32 u	32 u	32 u	32 u	32 u	32 u	32 u	32 u	32 u
South Africa	242 u	242 u	242 u	242 e	242 e	242 e	242 e	242 e	242 e	242 e
Sudan	199 u	199 u	199 u	199 u	199 u	199 u	199 u	199 u	199 u	199 u
Tanzania	46 o	46 o	46 o	46 o	46 o	46 o	46 o	46 o	46 o	46 o
Uganda	65 u	76 u	96 u	96 o	112 o	112 o	112 o	113 o	113 o	113 o
Zambia	43 u	43 e	43 e	43 e	43 e	43 o	43 o	43 o	43 o	43 o
Zimbabwe	100 u	100 u	100 u	100 u	100 u	100 u	100 u	100 o	100 o	100 o
Asia	**2 095**	**2 090**	**3 287**	**3 353**	**3 506**	**3 579**	**3 341**	**3 331**	**3 454**	**3 851**
Bangladesh	40 u	40 u	40 u	40 u	40 u	40 u	40 u	40 u	40 u	40 u
Cambodia	16 u	36 u	36 u	36 u	27 u	27 u	27 u	27 u	27 u	27 u
Indonesia	219 o	219 o	219 o	219 u	219 u	240 u	260 u	270 u	270 u	270 u
Lao PDR	40 o	40 u	107 u	107 u	107 u	107 u	107 u	107 u	107 u	107 u
Myanmar	48 u	47 u	52 u	54 u	54 u	54 u	54 u	54 u	54 e	54 u
Nepal	6 u	6 u	6 u	6 u	6 u	6 o	6 o	6 o	6 o	6 u
Pakistan	314 u	314 u	372 u	372 u	372 u	372 u	372 u	372 u	372 u	372 u
Philippines	213 u	213 u	260 u	285 u	374 u	374 u	407 u	383 u	465 u	480 o
Sri Lanka								4 o	4 o	4 u
Thailand	958 u	924 u	1 842 u	1 874 u	1 947 u	2 015 u	1 715 u	1 715 u	1 715 u	2 097 u
Viet Nam	241 u	251 u	353 u	360 u	360 u	344 u	353 u	353 u	395 u	395 u
C America + Carib	**2 154**	**2 272**	**2 430**	**2 361**	**2 467**	**2 306**	**2 251**	**2 284**	**2 284**	**2 305**
Belize	28 u	36 u	36 u	36 u	36 u	36 u	36 u	36 u	36 u	36 u
Costa Rica	40 o	40 o	53 o	71 o	71 o	71 o	71 o	71 e	71 o	71 o
Cuba	404 e	441 e	463 e	369 e	475 e	479 e	424 e	424 e	424 o	424 o
Dominican Rep	18 e	48 e	48 u	48 u	48 u	48 e	48 e	48 e	48 e	48 o
El Salvador	252 u	264 o	294 o	294 o	294 o	295 o	295 u	295 o	295 o	295 o
Guadeloupe	30 e	30 e	30 e	30 e	30 e	30 e	30 e	30 u	30 e	30 o
Guatemala	989 o	1 021 o	1 074 o	1 029 o	1 029 o	863 o	863 o	863 o	863 o	863 o
Honduras	125 e	125 e	125 e	135 e	135 e	135 e	135 e	135 e	135 e	157 u
Jamaica	32 e	32 e	32 u	32 u	32 u	32 u	32 u	32 u	32 u	32 u
Martinique			40 u	40 u	40 u	40 u	40 u	40 u	40 e	40 o
Nicaragua	177 e	177 e	177 o	218 o	218 o	218 u	218 u	218 u	218 e	218 u
Panama	60 u	60 u	60 u	60 u	60 u	60 u	60 u	92 e	92 e	92 u
Puerto Rico			0 u	0 u	0 u	0 u				
Trinidad Tobago	0 e									
Europe	**2**	**2**	**2**	**2**	**2**	**2**	**2**	**2**	**2**	**2**
Portugal	2 u	2 u	2 u	2 u	2 u	2 u	2 e	2 u	2 e	2 u
European Union	**74**	**74**	**114**	**114**	**114**	**114**	**113**	**113**	**229**	**229**
N America	**976**	**985**	**985**	**985**	**985**	**984**	**984**	**984**	**984**	**984**
Mexico	795 u	815 u	815 u	815 u	815 u	814 u	814 u	814 u	814 e	814 u
USA	181 e	170 e	170 e	170 e	170 e	170 e	170 e	170 o	170 u	170 u
Oceania	**534**	**534**	**534**	**534**	**534**	**542**	**542**	**542**	**542**	**542**
Australia	500 u	500 u	500 u	500 u	500 u	500 u	500 u	500 u	500 u	500 u
Fiji	34 u	34 u	34 u	34 u	34 u	42 u	42 u	42 u	42 e	42 u
S America	**12 456**	**12 567**	**12 671**	**12 730**	**12 972**	**13 049**	**13 403**	**13 574**	**13 891**	**14 022**
Argentina	153 e	153 e	153 e	155 e	155 e	155 e	155 e	155 e	155 u	169 u
Bolivia	131 e	115 e	139 e	144 e	144 e	143 e	192 e	269 o	269 o	265 u
Brazil	11 512 u	11 576 u	11 646 u	11 676 u	11 930 u	12 022 u	12 309 u	12 409 u	12 685 o	12 766 o
Colombia	253 u	306 u	316 u	316 u	319 u	336 e	338 e	370 u	370 u	370 u
Ecuador	144 o	144 o	144 o	144 o	144 o	144 o	144 o	144 o	155 o	156 o
Guyana	45 u	45 u	45 u	45 u	30 u	30 u	30 u	30 u	30 u	30 u
Paraguay	20 u	20 u	20 u	20 u	20 u	20 u	20 u	20 u	20 u	20 u
Peru	176 e	186 e	186 e	208 e	208 e	177 e	192 e	155 u	185 o	223 o
Uruguay	13 u	13 u	13 u	13 u	13 u	13 u	13 u	13 u	13 u	13 o
Venezuela	10 u	10 u	10 u	10 u	10 u	10 u	10 u	10 u	10 u	10 u

Liquid biofuels
Biocarburants liquides
Biocombustibles líquidos

CAP (MW)	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
World	**2 323**	**2 358**	**2 489**	**3 388**	**2 402**	**1 924**	**1 948**	**2 242**	**2 073**	**2 077**
Africa	**1**	**1**	**42**	**42**	**42**	**42**	**42**	**253**	**253**	**253**
Burkina Faso	0 u	0 u	0 u	0 u	0 u	0 u	0 u	0 u	0 e	0 e
Liberia		0 u	0 u	0 u	0 u	0 u	0 u	0 u	0 u	0 u
Mali	0 u	0 u	0 u	0 u	0 u	0 u	0 u	0 u	0 u	0 u
Reunion			41 o	41 o	41 o	41 o	41 o	252 o	252 o	252 o
Tanzania	0 u	0 u	0 u	0 u	0 u	0 u	0 u	0 u	0 u	0 u
Asia	**360**	**359**	**348**	**1 020**	**950**	**487**	**487**	**487**	**492**	**496**
Korea Rep	360 u	359 o	348 o	1 020 o	950 o	487 o	487 o	487 o	492 u	496 u
Eurasia	**7**	**12**	**19**	**19**	**23**	**51**	**65**	**79**	**82**	**82**
Türkiye	7 u	12 u	19 u	19 o	23 u	51 u	65 u	79 u	82 u	82 u
Europe	**1 792**	**1 813**	**1 836**	**2 175**	**1 255**	**1 193**	**1 189**	**1 300**	**1 123**	**1 123**
Austria	3 u	1 u	1 u	1 u	0 o	0 u	0 u	0 u	0 u	0 u
Belgium	45 u	45 u	45 u	45 u	23 o	19 u	29 u	33 u	1 u	1 u
Denmark	0 u	1 u	1 u	0 e	0 e	0 e				
France	4 u	0 u	0 u	0 u	15 u	10 u	11 u	7 u	8 u	8 u
Germany	231 u	230 u	230 u	231 u	231 u	201 u	196 u	192 u	187 u	187 u
Italy	993 u	987 u	971 u	948 u	932 u	919 u	909 u	896 u	880 e	880 u
Norway								2 u	2 e	2 u
Poland	0 u	0 u	0 u	0 u	0 u	0 u	0 e	0 u	0 e	0 u
Slovenia	1 u	1 u	1 u	1 o	1 u	1 u	1 e	1 u	1 e	1 u
Spain			6 u	6 u	6 u	6 u	6 e	6 u	6 e	6 u
Sweden	515 u	547 u	535 u	895 u				126 u		
UK			45 o	47 o	46 o	36 o	36 o	37 o	37 o	37 u
European Union	**1 792**	**1 813**	**1 832**	**2 169**	**1 250**	**1 197**	**1 194**	**1 514**	**1 337**	**1 337**
N America	**155**	**165**	**236**	**123**	**123**	**144**	**144**	**102**	**102**	**102**
USA	155 u	165 u	236 u	123 u	123 u	144 u	144 u	102 u	102 u	102 u
Oceania	**3**	**3**	**3**	**3**	**3**	**3**	**3**	**3**	**3**	**3**
Fiji	0 u	0 u	0 u	0 u	0 u	0 u	0 u	0 u	0 e	0 o
New Caledon	0 o	0 o	0 o	0 u	0 u	0 u	0 u	0 u	0 e	0 o
Solomon Is	0 u	0 u	0 u	0 u	0 u	0 u	0 u	0 o	0 o	0 u
Vanuatu	3 u	3 u	3 u	3 u	3 u	3 u	3 u	3 u	3 e	3 o
S America	**5**	**5**	**5**	**5**	**5**	**5**	**18**	**18**	**18**	**18**
Brazil	5 u	5 e	5 u	5 u	5 u	5 u	18 u	18 o	18 o	18 o

Gas biofuels
Biocombustibles gazeux
Biocombustibles gaseosos

CAP (MW)	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
World	**16 575**	**17 451**	**18 481**	**19 305**	**20 249**	**20 508**	**20 947**	**21 193**	**21 434**	**21 516**
Africa	**35**	**38**	**44**	**55**	**55**	**100**	**100**	**110**	**110**	**110**
Burkina Faso	1 o	1 o	1 u	1 u	1 u	1 u	1 u	1 u	1 u	1 u
Egypt				12 o	12 u	56 u	56 u	64 e	64 e	64 o
Gabon	1 u	1 u	1 u	1 u	1 u	1 u	1 u	1 u	1 u	1 u
Ghana	0 o	0 u	0 o	0 u	0 o	0 u	0 u	0 o	0 o	0 o
Kenya	3 e	2 e	2 e	2 e	2 e	2 e	2 e	2 e	2 u	2 u
Mali	0 u	0 u	0 u	0 u	0 u	0 u	0 u	0 u	0 u	0 u
Mauritius	3 o	3 u	3 o	3 o	3 o	3 o	3 o	3 o	3 u	3 o
Morocco	7 u	7 u	7 u	7 u	7 u	7 u	7 u	7 u	7 u	7 o
Namibia			1 o	1 o	1 o	1 o	1 o	1 o	1 o	1 o
Nigeria	0 u	0 u	0 u	0 u	0 u	0 u	0 u	0 u	0 u	0 u
Reunion	4 o	4 u	4 o	4 u	4 u	4 u	4 u	7 o	7 o	7 o
South Africa	14 o	18 o	23 o	23 u	23 u	23 u	23 u	23 u	23 u	23 u
Tanzania	1 u	1 u	1 u	1 u	1 u	1 u	1 u	1 u	1 u	1 u
Asia	**1 143**	**1 377**	**1 633**	**1 881**	**2 036**	**2 376**	**2 550**	**2 757**	**2 801**	**2 650**
Bangladesh	5 u	5 u	5 u	5 u	5 u	5 u	5 u	5 u	5 u	5 u
Cambodia	2 u	2 u	2 u	2 u	2 u	2 u	2 u	2 u	2 u	2 u
China	350 u	454 u	630 u	799 u	890 u	1 110 u	1 230 u	1 490 u	1 520 u	1 370 u
China HK SAR		17 e	17 e	24 e	24 e	24 e	30 u	30 u	34 e	34 u
Chinese Taipei	9 o	9 o	10 o	8 o	16 o	14 o	21 o	21 o	22 o	23 o
India	10 u	13 u	14 u	14 u	14 u	14 u	14 u	14 u	14 u	14 u
Indonesia	64 u	101 u	109 u	112 o	118 u	135 u	149 u	156 u	157 o	157 u
Japan	34 u	47 o	59 o	70 o	78 o	88 o	94 o	105 o	112 o	112 o
Kazakhstan	0 u	1 u	1 u	2 u	8 e	8 e	8 e	2 e	2 u	2 u
Korea Rep	129 u	136 o	140 o	139 o	140 o	142 o	142 o	143 o	145 u	145 u
Lao PDR			0 u	0 u	0 u	0 u	0 u	0 u	0 u	0 u
Malaysia	58 u	62 u	70 u	103 u	111 u	124 u	138 u	155 u	155 u	155 u
Myanmar	1 u	1 u	1 u	1 u	1 u	1 u	1 u	1 u	1 e	1 u
Nepal		0 u	0 u	0 u	0 u	1 u	1 u	1 u	1 u	1 u
Pakistan	9 e	9 e	9 e	9 e	9 e	9 e	9 e	9 e	9 e	9 u
Philippines	32 u	34 u	47 u	47 u	49 u	49 u	48 u	48 u	49 u	49 u
Sri Lanka	0 u	0 u	0 u	0 u	0 u	0 u	0 u	0 u	0 u	0 u
Thailand	435 e	475 e	505 o	530 o	557 u	635 u	643 u	559 u	557 u	557 u
Timor Leste	0 u	0 u	0 u	0 u	0 u	0 u	0 u	0 u	0 u	0 u
Viet Nam	4 u	11 u	14 u	14 u	14 u	14 u	14 u	14 u	14 u	14 u
C America + Carib	**25**	**39**	**40**	**40**	**43**	**44**	**65**	**66**	**67**	**66**
Aruba	0 u	0 u	0 u	0 u						
Bahamas	1 u	1 u	1 u	1 u	1 u	1 u	1 u	1 u	1 o	1 u
Costa Rica	5 o	5 o	5 o	5 u	5 o	5 o	5 o	5 e	5 o	5 o
Cuba	1 u	1 u	1 u	1 u	1 u	2 u	15 u	15 u	15 e	15 e
Dominican Rep	2 e	2 e	2 e	2 e	2 e	2 e	4 e	4 e	4 e	4 o
El Salvador	7 o	7 o	7 u	7 u	7 o	6 u	8 o	8 o	10 e	8 o
Guadeloupe	0 e	2 e	4 e	4 e	4 e	4 e	4 e	4 u	4 u	4 o
Guatemala	2 o	6 o	6 o	6 o	6 o	6 o	6 o	6 o	6 o	6 o
Honduras	4 e	4 e	4 e	4 e	4 e	4 e	4 e	4 e	4 e	4 e
Martinique	1 o	1 o	1 e	1 e	1 e	1 u	1 u	1 u	1 e	1 o
Nicaragua	0 u	0 u	0 u	0 u	0 u	0 u	0 u	0 u	0 e	0 u
Panama		8 o	8 u	8 o	8 u	8 e	11 e	11 e	11 e	11 e
Puerto Rico	2 e	2 e	2 e	2 e	5 u	5 e	5 e	5 o	5 e	5 o
Eurasia	**311**	**390**	**452**	**561**	**754**	**1 006**	**1 145**	**1 200**	**1 223**	**1 249**
Azerbaijan	1 u	1 u	1 u	1 u	1 e	1 e	1 e	1 u	1 e	1 e
Russian Fed	13 u	13 u	13 u	13 u	13 u	19 u	19 u	19 u	19 u	45 u
Türkiye	297 u	377 u	438 u	548 u	741 u	987 u	1 126 u	1 181 u	1 204 u	1 204 u

Gas biofuels
Biocombustibles gazeux
Biocombustibles gaseosos

CAP (MW)	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
Europe	**11 783**	**12 209**	**12 932**	**13 338**	**13 950**	**13 556**	**13 689**	**13 749**	**13 939**	**14 176**
Austria	202 u	180 u	175 u	164 u	165 u	166 e	166 e	178 u	183 e	183 u
Belarus	27 u	28 u	33 u	38 u	37 e	37 u	39 e			
Belgium	188 u	183 u	190 u	197 u	199 o	202 u	205 u	216 u	198 u	198 u
Bosnia Herzg	1 u	1 u	1 o	1 e	1 e	1 e	1 u	1 u	1 e	1 u
Bulgaria	38 u	29 u	36 u	33 u	33 u	33 e	37 e	37 u	37 e	37 u
Croatia	37 u	45 u	51 u	52 u	55 u	59 u	59 u	54 u	60 e	60 u
Cyprus	10 u	10 u	13 e	13 e	13 e	13 e	14 e	14 u	11 e	11 u
Czechia	369 o	372 u	369 u	369 u	366 u	370 u	378 u	376 e	371 e	371 u
Denmark	107 u	108 u	108 u	121 e	131 u	129 u	125 e	124 u	124 e	124 u
Estonia	11 u	11 u	9 e	8 e	11 e	11 e	11 e	11 e	4 u	4 u
Faroe Islands					0 o	2 u	2 u	2 u	2 e	2 u
Finland	114 u	116 u	120 u	103 u	85 u	94 u	76 u	76 u	76 e	76 u
France	414 e	451 e	476 e	516 e	545 e	565 e	572 u	584 u	584 e	584 u
Germany	5 850 u	6 147 u	6 784 u	7 081 u	7 494 u	6 963 u	7 019 u	7 074 u	7 110 e	7 189 u
Greece	56 u	62 u	70 u	75 u	83 u	92 e	111 e	121 u	128 e	161 u
Hungary	76 u	82 u	76 u	79 u	85 u	85 u	84 u	84 u	86 u	86 u
Ireland	38 u	39 u	37 u	40 u	39 u	40 u	40 u	39 u	39 e	39 u
Italy	1 352 u	1 372 u	1 375 u	1 382 u	1 379 u	1 382 u	1 387 u	1 391 u	1 364 u	1 489 u
Latvia	62 u	60 u	61 u	61 u	60 u	57 e	53 e	44 u	40 u	40 u
Lithuania	25 u	25 u	35 u	35 u	36 u	37 e	37 e	37 u	37 e	37 u
Luxembourg	12 u	12 u	12 u	12 u	12 e	12 e	11 e	11 u	10 u	10 u
Malta	5 u	5 u	5 u	5 u	5 u	6 u	4 u	4 u	4 u	4 u
Moldova Rep	3 o	6 o	6 o	6 o	7 o	7 o	15 o	15 o	7 u	7 u
Netherlands	224 e	224 e	207 e	201 e	192 e	180 u	179 u	184 u	184 u	184 u
North Macedonia	5 u	7 u	7 o	8 u	8 u	9 u	12 u	12 u	10 e	10 u
Norway	10 u	10 u	10 u	7 u	11 u	7 u	7 u	7 u	8 e	8 u
Poland	225 o	229 e	225 e	233 u	261 u	251 e	278 u	276 u	287 o	287 u
Portugal	68 u	70 u	71 u	72 u	71 u	73 e	73 e	75 u	76 e	76 u
Romania	16 u	22 u	22 u	20 u	30 o	32 e	23 u	21 u	21 u	21 u
Serbia	10 u	13 u	17 u	26 o	29 o	34 e	36 u	37 u	44 u	44 u
Slovakia	93 u	91 u	89 u	82 u	82 u	81 u	77 u	84 u	189 e	189 u
Slovenia	29 u	27 u	27 u	25 u	30 u	30 u	30 u	30 u	30 e	30 u
Spain	248 u	251 u	258 u	267 u	269 u	271 u	272 u	272 u	275 e	275 u
Sweden	2 u	2 u	2 o	2 u	100 u	100 u	100 e	100 u	100 e	100 u
Switzerland	63 u	68 u	71 u	71 u	74 u	76 u	77 u	77 u	77 u	77 u
UK	1 774 o	1 819 o	1 837 o	1 844 o	1 848 o	1 927 o	1 957 o	1 959 o	1 963 u	1 963 u
Ukraine	21 u	34 u	46 u	93 e	103 e	123 u	123 u	123 u	200 u	200 e
European Union	**9 875**	**10 231**	**10 914**	**11 256**	**11 842**	**11 343**	**11 429**	**11 529**	**11 641**	**11 878**
Middle East	**70**	**71**	**74**	**74**	**74**	**74**	**87**	**91**	**109**	**109**
Iran IR	11 u	11 u	11 u	11 u	11 u	11 u	14 u	14 u	22 e	22 u
Israel	26 o	26 o	31 o	31 o	31 o	31 o	32 o	35 o	46 o	46 u
Jordan	13 u	13 u	13 u	13 u	13 u	13 u	13 u	13 u	13 u	13 u
Lebanon	9 u	9 u	7 u	7 u	7 u	7 u	7 u	7 u	7 u	7 u
Palestine		0 u	0 u	0 u	0 u	0 u	0 u	0 u	0 u	0 u
Qatar	4 u	4 u	4 u	4 u	4 u	4 u	4 u	4 u	4 u	4 u
Syrian AR	7 u	7 u	7 u	7 u	7 u	7 u	7 u	7 u	7 e	7 e
United Arab Em	1 o	1 o	1 u	1 u	1 u	1 u	9 u	10 u	10 e	10 u
N America	**2 601**	**2 691**	**2 646**	**2 609**	**2 506**	**2 477**	**2 398**	**2 274**	**2 253**	**2 238**
Canada	179 u	218 u	212 u	251 u	262 u	367 u	365 u	352 u	352 u	352 u
Mexico	47 e	57 e	55 e	55 e	57 e	64 e	66 e	70 e	73 e	73 u
USA	2 375 e	2 416 e	2 379 e	2 303 e	2 187 e	2 046 e	1 967 e	1 852 u	1 828 u	1 813 u
Oceania	**241**	**240**	**240**	**240**	**247**	**247**	**247**	**247**	**217**	**177**
Australia	190 u	190 u	190 u	190 u	197 u	197 u	197 u	197 u	166 u	126 u
New Zealand	47 u	46 u	46 u	46 u	46 u	46 u	46 u	46 u	48 u	48 u
Papua N Guin	4 u	4 u	4 u	4 u	4 u	4 u	4 u	4 u	4 u	4 o
Samoa				0 u	0 u	0 u	0 u			
S America	**367**	**397**	**421**	**507**	**585**	**628**	**667**	**700**	**715**	**740**
Argentina	19 e	24 e	25 e	41 o	52 e	63 e	67 e	80 e	84 u	84 u
Brazil	275 u	292 u	307 u	378 u	435 u	465 u	499 u	519 u	526 u	546 o
Chile	53 u	56 u	57 u	53 u	60 u	60 u	60 u	58 u	58 o	58 o
Colombia	6 o	6 o	6 o	6 o	11 o	11 o	11 o	11 o	11 o	15 o
Ecuador	2 o	7 o	7 o	7 o	7 o	8 o	8 o	8 o	11 o	11 o
Fr Guiana									1 u	1 u
Paraguay	0 u	0 u	0 u	2 o	2 u	2 u	2 u	2 u	2 u	2 u
Peru	10 e	10 e	10 o	10 u	10 o	10 e	10 o	13 u	13 o	13 o
Uruguay	2 e	2 e	9 u	9 u	9 o	9 u	9 o	9 o	9 u	9 o

Geothermal energy
Énergie géothermique
Energía geotérmica

CAP (MW)	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
World	**12 169**	**12 754**	**13 196**	**13 824**	**14 165**	**14 451**	**14 696**	**15 092**	**15 415**	**15 674**
Africa	**660**	**680**	**691**	**691**	**870**	**870**	**957**	**992**	**947**	**933**
Ethiopia	7 u	7 u	7 u	7 o	7 u	7 u	7 e	7 u	7 e	7 o
Kenya	653 o	673 o	684 o	684 o	863 o	863 o	950 o	985 o	940 o	925 o
Asia	**4 001**	**4 222**	**4 376**	**4 566**	**4 572**	**4 732**	**4 760**	**5 039**	**5 113**	**5 332**
China	26 u	26 u	26 u	26 u	26 u	26 u	26 u	26 u	26 u	26 u
Chinese Taipei			0 o	0 o	0 o	5 o	5 o	7 o	7 o	7 o
Indonesia	1 533 o	1 808 o	1 948 o	2 131 o	2 131 o	2 286 u	2 360 u	2 598 u	2 639 o	2 744 o
Japan	526 u	471 o	473 o	481 o	487 o	487 o	437 o	456 o	489 o	497 o
Philippines	1 916 o	1 916 o	1 928 o	1 928 o	1 928 u	1 928 u	1 932 u	1 952 u	1 952 u	2 057 o
Thailand	0 e	0 e	0 u	0 o	0 o	0 u	0 u	0 u	0 u	0 o
C America + Carib	**630**	**665**	**665**	**721**	**722**	**719**	**735**	**740**	**740**	**741**
Costa Rica	207 e	207 e	207 o	262 o	262 o	259 o	263 o	263 e	263 o	263 o
El Salvador	204 o	204 o	204 o	204 o	204 o	204 o	204 o	209 u	209 o	209 o
Guadeloupe	15 e	15 u	15 e	15 e	15 e	15 e	15 e	15 u	15 e	15 o
Guatemala	49 o	49 o	49 o	52 o	49 o	49 o	49 o	49 o	49 o	49 o
Honduras		35 o	35 o	35 o	39 o	39 e	39 e	39 e	39 e	40 o
Nicaragua	155 e	155 e	155 o	153 o	153 o	153 u	165 e	165 u	165 u	165 u
Eurasia	**895**	**1 138**	**1 357**	**1 596**	**1 695**	**1 758**	**1 773**	**1 773**	**1 815**	**1 839**
Russian Fed	74 u	74 u	74 u	81 u	81 u	81 u	81 u	81 u	81 u	81 u
Türkiye	821 u	1 064 o	1 283 u	1 515 o	1 613 u	1 676 u	1 691 u	1 691 e	1 734 u	1 758 o
Europe	**1 507**	**1 558**	**1 617**	**1 622**	**1 627**	**1 633**	**1 640**	**1 670**	**1 666**	**1 695**
Austria	1 u	1 u	1 u	1 u	1 o	0 u	0 u	0 o	0 o	0 u
Croatia			10 u	10 u	10 u	10 u	10 e	10 o	10 o	10 u
France	16 o	16 o	16 o	16 o	16 u	16 u	16 e	16 u	16 e	16 u
Germany	33 u	32 u	35 u	40 u	40 u	46 u	52 u	52 u	48 u	78 u
Hungary		3 u	3 u	3 u	3 u	3 u	3 e	3 o	3 o	3 u
Iceland	665 u	710 u	756 u	756 u	756 o	756 u	758 u	788 u	788 e	788 u
Italy	767 u	767 u	767 u	767 u	772 u	772 u	772 e	772 e	772 o	772 u
Portugal	25 u	29 u	29 u	29 u	29 u	29 u	29 e	29 e	29 e	29 u
Romania	0 o	0 u	0 u	0 u	0 u	0 u				
European Union	**857**	**863**	**876**	**881**	**886**	**891**	**897**	**897**	**893**	**922**
N America	**3 441**	**3 432**	**3 393**	**3 529**	**3 545**	**3 595**	**3 647**	**3 694**	**3 724**	**3 724**
Mexico	924 u	949 u	949 u	974 u	974 u	999 u	999 u	999 u	999 e	999 u
USA	2 517 o	2 483 e	2 444 e	2 555 e	2 572 e	2 597 e	2 649 e	2 696 o	2 725 u	2 725 o
Oceania	**1 035**	**1 035**	**1 059**	**1 059**	**1 093**	**1 093**	**1 100**	**1 100**	**1 327**	**1 327**
Australia	0 e	0 u	0 u	0 u	0 u	0 u	0 u	0 u	0 u	0 u
New Zealand	985 u	985 u	1 009 u	1 009 u	1 043 u	1 043 u	1 050 u	1 050 u	1 275 u	1 275 u
Papua N Guin	50 u	50 u	50 u	50 u	50 u	50 u	50 u	50 u	51 u	51 o
S America	**0**	**24**	**40**	**40**	**40**	**51**	**83**	**84**	**84**	**84**
Chile		24 o	40 o	40 o	40 o	51 o	83 o	84 o	84 o	84 o

Total off-grid renewable energy
Total de l'énergie renouvelable hors réseau
Total de energía renovable fuera de la red

CAP (MW)	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
World	**7 375.713**	**7 346.863**	**9 170.687**	**9 336.406**	**10 676.232**	**11 807.073**	**13 534.496**	**14 755.373**	**17 151.024**	**18 900.328**
Africa	**429.223**	**568.068**	**689.799**	**754.994**	**858.015**	**1 007.187**	**1 096.823**	**1 207.680**	**1 272.651**	**1 286.291**
Algeria	29.740	29.740	29.540	29.540	29.540	29.540	48.840	57.850	57.850	57.850
Angola	23.187	35.703	35.716	36.645	36.653	36.720	36.739	36.754	36.754	36.754
Benin	0.795	1.036	1.185	2.406	3.447	4.616	6.982	8.858	8.858	8.858
Botswana	1.903	2.047	2.351	2.353	2.353	2.355	2.355	2.355	2.355	2.355
Burkina Faso	3.315	3.602	19.045	20.189	20.679	21.464	22.059	22.192	22.192	22.192
Burundi	6.719	7.069	7.080	7.120	7.260	6.718	6.563	7.108	7.688	7.688
Cabo Verde	0.268	0.426	0.998	1.139	1.305	1.427	1.623	1.796	1.796	1.796
Cameroon	0.247	11.672	11.935	13.211	14.073	26.749	26.825	27.260	27.278	27.462
Cent Afr Rep	0.409	0.474	0.499	0.496	0.539	0.537	0.534	0.640	0.723	0.723
Chad	1.280	1.290	1.662	1.657	1.706	2.192	2.238	2.262	2.262	2.262
Comoros	0.805	1.146	1.146	1.165	1.152	0.362	0.034	0.070	0.070	0.070
Congo DR	4.770	18.630	32.093	43.238	46.748	49.733	52.530	53.726	53.726	53.726
Congo Rep	0.028	0.057	0.064	0.062	0.522	0.565	0.640	0.729	0.791	0.791
Cote d Ivoire	0.450	1.007	2.097	4.206	6.402	7.759	9.009	9.084	9.084	9.084
Djibouti	0.405	0.416	0.429	0.429	0.429	20.429	20.429	20.429	20.429	20.729
Egypt	35.000	35.000	49.200	35.200	37.000	35.500	35.540	35.280	35.280	35.280
Eq Guinea	0.160	0.354	0.354	0.336	0.325	0.189	0.006	0.006	0.006	0.006
Eritrea	9.839	24.179	26.689	26.744	26.731	25.950	25.610	25.610	25.610	25.610
Eswatini	1.800	1.803	1.803	1.803	1.838	1.838	1.838	1.838	1.838	1.838
Ethiopia	15.325	13.779	13.631	13.631	21.469	22.469	22.469	22.469	22.839	22.839
Gabon	1.846	1.861	1.866	1.878	1.870	2.270	2.290	2.284	2.273	2.273
Gambia	0.494	0.999	1.142	1.152	1.142	1.129	1.045	1.053	1.061	1.061
Ghana	19.804	21.012	21.119	20.931	20.266	20.345	20.342	20.445	20.502	20.502
Guinea	2.447	2.646	15.120	16.234	16.850	17.181	18.279	18.978	19.299	19.299
Guinea Bissau	0.701	0.945	1.826	1.822	1.761	2.052	1.804	1.995	2.747	2.747
Kenya	39.324	47.564	51.049	57.856	63.061	78.346	82.655	85.646	87.286	87.286
Lesotho	0.339	0.339	0.274	0.499	0.505	0.470	0.640	0.695	0.695	0.695
Liberia	5.352	5.796	6.178	6.618	7.505	7.831	8.454	8.681	8.686	10.686
Libya	4.900	5.110	5.110	5.110	5.111	6.333	6.333	6.333	6.333	6.333
Madagascar	6.935	7.588	7.866	9.160	10.252	10.121	10.871	14.481	15.815	15.815
Malawi	2.096	2.532	2.711	3.038	4.537	5.005	5.332	5.332	5.499	5.499
Mali	11.220	48.074	48.568	49.603	49.870	80.871	81.426	81.426	80.962	80.962
Mauritania	24.166	24.166	25.466	25.609	25.609	25.609	25.609	59.609	93.609	105.609
Mauritius	0.700	0.700	0.700	0.700	0.700	0.700	0.700	0.700	0.700	0.700
Morocco	25.870	27.895	27.895	27.903	28.000	28.000	28.000	28.000	28.000	28.000
Mozambique	4.037	4.494	4.637	7.301	13.252	21.118	31.073	63.026	73.162	73.162
Namibia	1.368	1.409	13.602	13.893	14.382	14.400	14.414	8.481	8.541	8.541
Niger	6.626	6.847	6.945	7.100	7.691	7.555	7.954	10.898	10.905	10.905
Nigeria	22.556	27.408	31.262	42.645	57.361	70.968	89.266	108.550	118.048	118.048
Reunion	0.001	0.001	0.001	1.341	1.501	1.501	1.501	1.501	1.501	1.501
Rwanda	1.350	1.539	1.829	2.505	3.002	3.410	4.066	4.438	4.250	4.250
Sao Tome Prn	0.154	0.348	0.348	0.349	0.339	0.203	0.013	0.013	0.013	0.013
Senegal	0.747	2.483	5.182	6.326	6.843	7.952	8.399	8.611	7.834	7.834
Seychelles	0.068	0.068	0.922	0.922	0.922	4.122	4.122	4.122	4.122	4.122
Sierra Leone	0.843	5.850	6.035	7.885	8.718	15.994	16.343	16.592	16.191	16.191
Somalia	3.905	5.132	5.818	5.989	14.459	22.459	45.959	49.459	49.459	49.459
South Africa	10.135	12.897	12.756	13.182	12.945	12.840	12.767	13.432	14.073	14.073
South Sudan	1.237	1.953	2.228	2.482	2.732	2.533	2.983	3.739	3.739	3.739
Sudan	26.294	36.169	59.909	80.630	117.271	136.001	136.001	136.001	136.001	136.001
Tanzania	52.727	56.562	57.570	54.435	56.292	56.643	56.516	57.005	63.215	63.215
Togo	0.082	0.572	3.782	6.638	9.422	12.800	14.740	15.549	15.713	15.713
Tunisia	2.078	2.091	2.091	7.123	8.682	8.714	8.920	8.920	8.920	8.920
Uganda	6.505	8.906	11.733	14.100	13.595	13.598	13.552	13.107	13.107	12.264
Zambia	3.060	3.417	4.921	6.914	7.613	7.849	8.796	9.427	9.670	9.670
Zimbabwe	2.812	3.266	3.821	3.551	3.783	3.153	2.794	2.835	3.292	3.292
Asia	**5 960.847**	**5 684.566**	**7 096.322**	**7 049.546**	**7 969.915**	**8 521.740**	**9 797.135**	**10 198.858**	**11 833.303**	**13 012.226**
Afghanistan	55.804	59.694	59.469	58.984	58.406	58.694	60.494	60.494	60.494	60.494
Bangladesh	158.086	201.717	197.868	208.042	213.676	209.845	173.748	159.038	144.959	144.959
Bhutan	8.198	8.198	8.435	8.435	8.435	8.535	8.535	8.663	8.663	8.663
Brunei Darsm	0.012	0.013	0.021	0.023	0.024	0.044	0.044	0.050	0.050	0.050
Cambodia	28.932	29.090	28.832	30.489	30.542	31.076	31.643	30.370	30.703	30.703
China	710.490	747.190	786.950	826.710	866.470	906.230	945.990	985.750	1 025.510	1 065.270
India	1 569.267	1 810.598	2 111.273	2 128.467	2 559.518	2 681.925	3 019.478	3 051.825	4 400.584	5 386.899
Indonesia	1 690.221	1 727.364	2 673.496	2 684.912	2 719.868	3 112.758	3 972.647	4 427.847	4 661.197	4 782.197
Lao PDR	3.969	3.969	3.813	3.394	2.623	2.637	2.637	2.637	2.637	2.637
Malaysia	1 246.168	534.950	540.004	540.015	540.199	540.236	540.284	540.441	540.605	540.605
Maldives	8.895	12.198	17.885	30.407	40.407	41.407	53.407	56.407	69.907	76.121
Mongolia	17.161	17.161	17.161	17.161	17.160	17.154	17.179	17.179	17.179	16.698
Myanmar	88.649	102.819	111.270	114.260	110.274	106.225	153.878	153.878	158.878	182.878
Nepal	41.487	83.299	85.545	85.694	86.713	89.397	93.101	90.660	94.534	96.336
Pakistan	22.387	33.726	34.567	37.885	38.102	38.170	38.175	38.032	37.888	37.888
Philippines	36.003	36.322	47.283	84.389	84.971	85.790	85.382	88.161	92.360	92.360
Sri Lanka	12.206	12.189	12.105	12.105	12.105	12.105	12.105	12.105	12.105	12.105
Tajikistan	17.923	18.398	18.398	18.398	18.848	18.848	18.848	18.848	18.848	18.848
Thailand	0.962	1.124	1.319	1.366	474.894	490.488	499.347	386.227	385.956	385.956
Timor Leste	1.400	1.094	0.875	0.657	0.427	0.422	0.461	0.493	0.493	0.806
Uzbekistan	2.200	3.025	3.325	3.325	3.325	3.325	3.325	3.325	3.325	3.325
Viet Nam	240.428	240.428	336.428	154.428	82.928	66.428	66.428	66.428	66.428	66.428

Total off-grid renewable energy
Total de l'énergie renouvelable hors réseau
Total de energía renovable fuera de la red

CAP (MW)	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
C America + Carib	**110.544**	**143.497**	**145.666**	**162.807**	**171.015**	**176.883**	**183.115**	**192.749**	**192.769**	**194.139**
Antigua Barb	0.010	0.414	0.414	0.414	0.414	0.414	0.414	0.414	0.414	0.414
Aruba	0.011	0.011	0.011	0.011	0.011	0.011				
Bahamas	1.883	1.771	1.740	2.040	2.040	6.040	6.040	6.040	6.040	6.040
Barbados	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
Belize	0.391	0.428	0.426	1.076	1.142	1.142	1.182	1.229	1.229	1.229
BES Islands								0.130	0.130	0.130
Br Virgin Is	1.425	1.426	1.435	1.791	1.996	1.985	2.000	3.000	3.000	
Costa Rica	0.592	0.616	0.401	0.402	0.611	0.488	0.494	0.450	0.450	0.450
Cuba	4.246	4.731	4.744	12.546	12.537	12.524	12.040	12.027	12.027	12.027
Curacao	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004
Dominica	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
Dominican Rep	22.877	54.048	56.178	56.515	57.235	59.235	67.019	74.337	74.337	74.347
El Salvador	0.213	0.170	0.195	4.089	4.091	4.095	4.137	4.141	4.141	4.141
Guatemala	0.795	1.095	1.118	1.253	1.290	1.286	1.191	1.279	1.301	1.301
Haiti	3.620	3.664	3.863	3.698	3.680	3.695	1.510	1.510	1.510	5.870
Honduras	14.174	14.753	14.765	16.175	23.199	23.199	23.224	23.224	23.224	23.224
Jamaica	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013
Nicaragua	0.010	0.010	0.010	2.410	2.410	2.410	3.505	4.609	4.609	4.609
Panama	60.000	60.000	60.000	60.020	60.020	60.020	60.020	60.020	60.020	60.020
Puerto Rico		0.062	0.070	0.070	0.042	0.042	0.042	0.042	0.042	0.042
St Kitts Nevis	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
St Lucia	0.176	0.176	0.176	0.176	0.176	0.176	0.176	0.176	0.176	0.176
Trinidad Tobago	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001		
US Virgin Is	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100
Eurasia	**0.250**	**0.250**	**0.262**	**0.656**	**0.656**	**0.656**	**0.656**	**0.656**	**0.656**	**0.656**
Georgia	0.250	0.250	0.262	0.656	0.656	0.656	0.656	0.656	0.656	0.656
Europe	**67.956**	**120.303**	**212.415**	**321.285**	**612.549**	**980.889**	**1 055.740**	**1 055.740**	**1 085.740**	**1 085.740**
Austria	6.487	6.963	7.197	7.697	8.197	8.697	8.697	8.697	8.697	8.697
France			33.421	69.485	243.771	373.410	373.410	373.410	373.410	373.410
Iceland	3.527	4.333	5.275	7.001	7.001	7.001	7.001	7.001	7.001	7.001
Ireland	5.927	17.135	31.972	57.478	89.892	135.272	135.272	135.272	165.272	165.272
Lithuania		3.669	10.000	30.000	84.000	171.000	171.000	171.000	171.000	171.000
Norway			15.292	17.292	18.292	18.792	18.792	18.792	18.792	18.792
Portugal	19.774	39.815	49.585	68.702	90.222	171.210	171.210	171.210	171.210	171.210
Serbia	6.241	8.388	9.766	12.448	19.008	39.710	114.561	114.561	114.561	114.561
Spain	26.000	27.000	32.907	35.182	35.166	36.797	36.797	36.797	36.797	36.797
Sweden		13.000	17.000	16.000	17.000	19.000	19.000	19.000	19.000	19.000
European Union	**59.400**	**108.794**	**183.294**	**287.096**	**570.960**	**921.098**	**921.098**	**921.098**	**951.098**	**951.098**
Middle East	**129.850**	**152.654**	**306.713**	**310.927**	**317.198**	**318.203**	**576.022**	**1 258.367**	**1 826.625**	**2 386.625**
Iran IR	0.378	0.378	0.378	0.378	0.378	0.378	0.378	0.378	0.378	0.378
Iraq	37.840	37.840	37.840	37.840	37.840	37.840	40.340	40.340	40.340	40.340
Jordan	0.588	0.588	0.623	0.670	2.385	3.335	3.335	3.335	3.335	3.335
Kuwait	2.400	2.400	2.400	2.400	2.400	2.400	2.400	2.400	2.400	2.400
Lebanon	3.984	4.298	7.880	7.880	7.880	7.890	7.890	8.181	8.181	8.181
Oman	0.002	0.012	0.012	0.012	0.012	0.012	0.012	0.012	0.012	0.012
Palestine	0.816	0.816	0.832	2.915	3.035	3.035	3.035	3.035	3.035	3.035
Syrian AR							249.000	931.000	1 500.000	2 060.000
United Arab Em	3.208	3.238	3.407	4.672	5.597	5.597	5.897	6.197	6.197	6.197
Yemen	80.634	103.084	253.341	254.160	257.671	257.716	263.735	263.489	262.747	262.747
N America	**0.000**	**0.000**	**0.994**	**2.683**	**2.885**	**9.556**	**9.249**	**9.249**	**9.369**	**9.369**
Greenland			0.189	0.189	0.391	0.640	0.676	0.676	0.796	0.796
Mexico			0.805	2.494	2.494	8.916	8.573	8.573	8.573	8.573
Oceania	**143.488**	**145.728**	**148.351**	**150.282**	**151.214**	**153.144**	**154.688**	**158.144**	**159.552**	**159.926**
Amer Samoa	1.504	1.854	1.854	1.504	1.504	1.504	1.504	1.504	1.504	1.504
Cook Is	0.047	0.047	1.869	2.606	2.606	2.606	2.606	2.606	2.606	2.606
Fiji	4.979	5.149	5.562	5.653	5.755	6.044	6.335	7.319	7.319	7.593
Fr Polynesia	3.248	3.548	3.448	3.548	3.548	3.548	3.548	3.548	3.548	3.548
Kiribati	0.017	0.017	0.017	0.017	0.017	0.017	0.000	2.277	2.277	2.277
Marshall Is	0.660	0.720	0.737	0.737	0.737	0.737	0.737	0.737	0.737	0.737
Micronesia	0.137	0.137	0.137	0.137	0.137	0.137	0.137	0.137	0.137	0.137
Nauru	0.008	0.009	0.009	0.167	0.158	0.158	0.158	0.158	0.158	0.158
New Caledon	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.185	0.185	0.185
Palau	0.170	0.170	0.170	0.235	0.538	0.538	0.538	0.538	0.538	0.538
Papua N Guin	128.834	128.887	128.830	129.399	129.899	131.558	131.234	131.234	132.234	132.334
Samoa	0.000	0.025	0.025	0.183	0.158	0.158	0.000	0.000		
Solomon Is	1.938	2.313	2.313	2.200	2.200	2.200	3.910	3.910	3.910	3.910
Tokelau	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		
Tonga	0.251	0.251	0.437	0.437	0.437	0.437	0.437	0.437	0.621	0.621
Tuvalu	1.316	1.321	1.332	1.332	1.332	1.332	1.332	1.332	1.556	1.556
Vanuatu	0.379	1.280	1.611	2.127	2.188	2.170	2.212	2.222	2.222	2.222

Total off-grid renewable energy
Total de l'énergie renouvelable hors réseau
Total de energía renovable fuera de la red

CAP (MW)	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
S America	**533.554**	**531.797**	**570.165**	**583.226**	**592.785**	**638.815**	**661.068**	**673.930**	**770.358**	**765.355**
Argentina	100.971	100.838	100.924	101.391	101.215	103.030	104.094	103.822	103.822	103.822
Bolivia	91.327	82.499	123.797	129.303	129.552	128.624	128.906	147.780	147.780	147.780
Brazil	4.062	7.194	7.214	7.235	7.235	7.089	3.985	11.203	11.203	11.203
Chile	0.875	0.997	1.161	1.197	1.965	2.097	2.893	6.463	6.463	
Colombia	1.897	6.937	8.997	14.100	21.290	24.020	26.360	29.068	31.408	33.748
Ecuador	12.330	12.330	13.880	13.880	13.880	13.900	14.900	15.590	67.300	19.580
Falklands Malv	0.410	0.410	0.410	0.410	0.410	0.410	0.410	0.410	0.410	0.410
Fr Guiana	1.211	1.211	1.211	1.211	1.211	4.211	4.211	4.211	4.211	4.211
Guyana	17.874	17.884	17.781	17.769	17.981	17.803	20.251	25.698	28.798	32.848
Paraguay	0.057	0.057	0.057	0.057	0.170	0.170	1.186	1.186	1.186	2.031
Peru	244.947	238.135	224.136	222.219	222.419	213.866	221.109	194.806	231.234	269.734
South Georgia	0.256	0.256	0.256	0.256	0.256	0.256	0.256	0.256	0.271	0.271
Suriname	1.520	1.555	2.107	2.120	2.770	3.770	6.070	6.070	7.755	11.020
Uruguay	1.937	7.614	14.354	18.198	18.551	19.689	26.557	27.487	28.637	28.817
Venezuela	53.880	53.880	53.880	53.880	53.880	99.880	99.880	99.880	99.880	99.880

Off-grid hydropower
Hydroélectricité hors réseau
Hidroeléctrica fuera de la red

CAP (MW)	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
World	**600.490**	**622.040**	**1 573.026**	**1 595.563**	**1 601.430**	**1 618.488**	**1 615.387**	**1 639.918**	**1 812.771**	**1 816.526**
Africa	**90.587**	**126.175**	**136.566**	**148.950**	**150.495**	**151.408**	**151.766**	**153.102**	**153.102**	**155.102**
Angola	22.859 e	35.279 e	35.279 e	35.279 e	35.279 e	35.279 e	35.279 e	35.279 e	35.279 e	35.279 u
Burundi	1.603 u	1.603 u	1.603 e	1.603 e	1.603 e	1.603 e	1.603 e	1.603 e	1.603 e	1.603 e
Cameroon	0.097 u	0.097 u	0.097 u	0.516 u	0.516 u	0.516 u	0.516 u	0.516 e	0.516 e	0.516 u
Cent Afr Rep	0.200 e	0.200 e	0.200 e	0.200 e	0.200 e	0.200 e	0.200 e	0.200 e	0.200 e	0.200 u
Congo DR		10.800 e	20.800 e	30.700 e	30.700 e	30.700 e	30.700 e	30.700 e	30.700 e	30.700 u
Eswatini	1.800 e	1.800 e	1.800 e	1.800 e	1.800 e	1.800 e	1.800 e	1.800 e	1.800 e	1.800 u
Ethiopia	1.279 u	1.279 u	1.279 u	1.279 u	1.279 u	1.279 u	1.279 u	1.279 u	1.279 e	1.279 u
Gabon	0.580 e	0.580 e	0.580 e	0.580 e	0.580 e	0.580 e	0.580 e	0.580 e	0.580 e	0.580 u
Ghana					0.045 e	0.045 e	0.045 e	0.045 e	0.045 e	0.045 u
Guinea	2.220 e	2.220 e	2.220 e	2.220 e	2.220 e	2.220 e	2.220 e	2.220 e	2.220 e	2.220 u
Kenya	13.655 e	19.775 e	19.793 e	19.819 e	19.819 e	19.819 e	19.857 e	20.513 e	20.513 e	20.513 u
Lesotho	0.180 u	0.180 u	0.180 u	0.180 u	0.180 u	0.180 u	0.180 u	0.180 u	0.180 u	0.180 o
Liberia	4.860 e	4.860 e	4.860 e	4.860 e	4.860 e	4.860 e	4.860 e	4.860 e	4.860 e	6.860 u
Madagascar	5.282 e	5.397 e	5.457 e	5.757 e	5.557 e	5.557 e	5.557 e	6.117 e	6.117 e	6.117 u
Malawi	1.720 e	1.720 e	1.848 e	2.056 e	2.056 e	2.469 e	2.469 e	2.469 e	2.469 e	2.469 u
Mali	0.003 e	0.003 e	0.003 e	0.003 e	0.003 e	0.003 e	0.003 e	0.003 e	0.003 e	0.003 u
Mauritius	0.700 e	0.700 e	0.700 e	0.700 e	0.700 e	0.700 e	0.700 e	0.700 e	0.700 e	0.700 u
Mozambique	1.355 e	1.378 e	1.378 e	1.378 e	1.378 e	1.378 e	1.378 e	1.378 e	1.378 e	1.378 u
Nigeria	0.400 e	0.400 e	0.400 e	0.400 e	0.400 e	0.400 e	0.400 e	0.400 e	0.400 e	0.400 u
Rwanda	1.051 e	1.051 e	1.072 e	1.123 e	1.123 e	1.123 e	1.123 e	1.123 e	1.123 e	1.123 u
Sierra Leone	0.250 e	4.890 e	4.890 e	4.890 e	4.890 e	4.890 e	4.890 e	4.890 e	4.890 e	4.890 e
South Africa	7.650 e	7.650 e	7.650 e	7.650 e	7.650 e	7.650 e	7.650 e	7.650 e	7.650 e	7.650 u
Tanzania	20.345 e	21.435 e	21.435 e	22.335 e	24.035 e	24.535 e	24.855 e	24.855 e	24.855 e	24.855 u
Uganda	0.003 e	0.383 e	0.547 e	0.507 e	0.507 e	0.507 e	0.507 e	0.627 e	0.627 e	0.627 e
Zambia	1.913 e	1.913 e	1.913 e	2.553 e	2.553 e	2.553 e	2.553 e	2.553 e	2.553 e	2.553 u
Zimbabwe	0.585 e	0.585 e	0.585 e	0.565 e	0.565 e	0.565 e	0.565 e	0.565 e	0.565 e	0.565 e
Asia	**284.631**	**289.869**	**1 228.379**	**1 242.368**	**1 245.790**	**1 267.218**	**1 264.976**	**1 272.183**	**1 452.353**	**1 453.263**
Afghanistan	34.544 u	37.993 u	37.993 u	37.993 u	37.993 u	38.108 u	38.138 u	38.138 u	38.138 u	38.138 u
Bhutan	8.078 u	8.078 u	8.315 u	8.315 u	8.315 u	8.335 u	8.335 u	8.335 u	8.335 u	8.335 u
India	84.675 u	84.675 u	84.675 u	84.675 o	84.675 u	84.675 u	84.675 u	84.675 u	84.675 u	84.675 u
Indonesia	15.437 u	15.437 u	944.380 u	944.880 o	944.880 u	964.300 u	963.410 u	968.000 u	1 146.860 o	1 146.860 u
Lao PDR	2.005 u	2.005 u	2.005 u	2.005 u	2.005 u	2.005 u	2.005 u	2.005 u	2.005 u	2.005 u
Malaysia	0.708 e	0.741 e	0.735 e	0.765 e	0.765 e	0.765 e	0.765 e	0.765 e	0.765 e	0.765 u
Mongolia	2.992 u	2.992 u	2.992 u	2.992 u	2.992 e	2.992 u	2.992 e	2.992 u	2.992 u	3.500 u
Myanmar	7.420 u	7.420 u	7.420 u	7.420 u	7.420 u	7.420 u	7.420 u	7.420 u	7.420 e	7.420 u
Nepal	28.414 u	29.659 u	30.915 u	32.368 u	33.184 u	34.932 u	35.436 u	35.842 u	37.154 u	37.556 u
Pakistan	21.544 e	21.580 e	21.660 e	23.666 e	23.666 e	23.666 u	23.666 u	23.666 u	23.666 u	23.666 u
Philippines	12.595 o	12.595 o	20.595 o	30.595 o	30.595 u	30.595 u	28.425 u	30.605 u	30.604 u	30.604 u
Sri Lanka	4.446 u	4.446 u	4.446 u	4.446 u	4.446 u	4.446 u	4.446 u	4.446 u	4.446 u	4.446 u
Tajikistan	17.923 e	18.398 e	18.398 e	18.398 e	18.848 e	18.848 e	18.848 e	18.848 e	18.848 e	18.848 u
Thailand	0.498 e	0.498 e	0.498 e	0.498 e	2.654 u	2.779 u	3.063 u	3.094 u	3.093 u	3.093 u
Timor Leste	0.352 u	0.352 u	0.352 u	0.352 u	0.352 u	0.352 u	0.352 u	0.352 u	0.352 u	0.352 u
Viet Nam	43.000 u	43.000 u	43.000 u	43.000 u	43.000 u	43.000 u	43.000 u	43.000 u	43.000 u	43.000 u
C America + Carib	**14.907**	**15.040**	**15.120**	**15.165**	**15.185**	**15.185**	**13.175**	**13.175**	**13.175**	**14.675**
Belize	0.150 e	0.150 e	0.150 e	0.150 e	0.150 e	0.150 e	0.150 e	0.150 e	0.150 e	0.150 u
Cuba	3.884 u	3.884 e	3.884 e	3.884 o	3.884 u	3.884 e	3.884 u	3.884 u	3.884 e	3.884 o
Dominican Rep	1.317 o	1.448 o	1.528 u	1.665 o	1.685 o	1.685 u	1.860 u	1.860 e	1.860 e	1.860 o
El Salvador	0.140 e	0.097 e	0.097 e	0.005 e	0.005 e	0.005 e	0.005 e	0.005 e	0.005 e	0.005 u
Guatemala	0.601 e	0.646 e	0.646 e	0.646 e	0.646 e	0.646 e	0.646 e	0.646 e	0.646 e	0.646 u
Haiti	2.185 u	2.185 e	2.185 e	2.185 e	2.185 e	2.185 e				1.500 o
Honduras	6.630 e	6.630 e	6.630 e	6.630 e	6.630 e	6.630 e	6.630 e	6.630 e	6.630 u	6.630 u
Nicaragua	0.000 e									
European Union	**1.050**	**1.050**	**1.050**	**1.050**	**1.050**	**1.050**	**1.050**	**1.050**	**1.050**	**1.050**
Middle East	**1.340**	**1.340**	**1.340**	**1.340**	**1.340**	**1.340**	**1.340**	**1.340**	**1.340**	**1.340**
Iraq	1.340 u	1.340 u	1.340 u	1.340 u	1.340 u	1.340 u	1.340 u	1.340 u	1.340 u	1.340 u
Oceania	**60.024**	**60.024**	**60.024**	**60.024**	**60.024**	**60.024**	**60.024**	**60.024**	**60.024**	**60.024**
Fiji	0.130 u	0.130 u	0.130 u	0.130 u	0.130 u	0.130 u	0.130 u	0.130 u	0.130 e	0.130 e
Fr Polynesia	0.000 u	0.000 u	0.000 u	0.000 u						
Papua N Guin	59.485 u	59.485 u	59.485 u	59.485 u	59.485 u	59.485 u	59.485 u	59.485 u	59.485 u	59.485 o
Solomon Is	0.331 u	0.331 u	0.331 u	0.331 u	0.331 u	0.331 u	0.331 u	0.331 u	0.331 e	0.331 e
Vanuatu	0.078 u	0.078 u	0.078 u	0.078 u	0.078 u	0.078 u	0.078 u	0.078 u	0.078 e	0.078 o
S America	**149.001**	**129.592**	**131.597**	**127.716**	**128.596**	**123.313**	**124.106**	**140.094**	**132.777**	**132.122**
Argentina	4.098 o	4.098 o	4.098 o	4.098 o	4.098 o	4.098 o	4.098 o	4.098 o	4.098 u	4.098 u
Bolivia	1.200 e	0.800 e	0.800 u	0.800 o	0.800 u	0.800 u	0.800 u	1.200 o	1.200 o	1.200 u
Brazil	0.020 e	0.020 e	0.020 e	0.020 e	0.020 e	0.020 e	0.020 e	4.543 e	4.543 u	4.543 u
Chile	0.765 o	0.765 o	0.765 o	0.765 u	1.445 o	1.445 o	2.245 u	2.245 u	2.245 u	
Colombia	0.318 u	5.318 o	5.318 o	9.405 u	9.405 u	4.275 e	4.275 e	4.643 e	4.643 u	4.643 u
Ecuador	5.660 o	5.660 o	6.060 o	6.060 o	6.060 o	6.060 o	6.060 o	6.060 o	3.200 o	3.290 o
Fr Guiana	1.050 o	1.050 o	1.050 o	1.050 o	1.050 o	1.050 o	1.050 o	1.050 o	1.050 o	1.050 o
Guyana	2.330 u	2.330 u	2.330 u	2.350 o	2.350 u	2.350 u	2.350 u	2.350 u	3.050 u	4.550 o
Peru	132.500 o	108.456 o	110.061 o	102.073 e	102.273 e	102.120 e	102.113 e	112.810 o	107.638 o	107.638 u
South Georgia	0.250 u	0.250 u	0.250 u	0.250 u	0.250 u	0.250 u	0.250 u	0.250 u	0.265 u	0.265 u
Suriname		0.035 u	0.035 u	0.035 u	0.035 u	0.035 u	0.035 u	0.035 u	0.035 u	0.035 u
Venezuela	0.810 u	0.810 u	0.810 u	0.810 u	0.810 u	0.810 u	0.810 u	0.810 u	0.810 u	0.810 u

Off-grid Solar photovoltaic
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CAP (MW)	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
World	**1 850.923**	**2 360.914**	**2 992.886**	**3 288.475**	**4 094.240**	**4 745.792**	**5 612.935**	**6 574.192**	**8 793.615**	**10 336.379**
Africa	**256.188**	**319.010**	**429.860**	**482.671**	**584.147**	**712.406**	**801.683**	**911.205**	**976.176**	**987.816**
Algeria	19.540 u	19.540 u	19.540 u	19.540 u	19.540 u	19.540 u	38.840 u	47.850 u	47.850 e	47.850 u
Angola	0.328 u	0.424 u	0.437 u	1.366 u	1.374 u	1.441 u	1.460 u	1.475 u	1.475 u	1.475 u
Benin	0.795 u	1.036 u	1.185 u	2.406 u	3.447 u	4.616 u	6.982 u	8.858 e	8.858 e	8.858 e
Botswana	1.903 u	2.047 u	2.351 u	2.353 u	2.353 u	2.355 u	2.355 u	2.355 e	2.355 e	2.355 e
Burkina Faso	3.165 u	3.452 u	18.895 u	20.039 u	20.529 u	21.314 u	21.909 u	22.042 u	22.042 e	22.042 e
Burundi	1.116 u	1.466 u	1.477 u	1.517 u	1.657 u	1.115 u	0.960 u	1.505 e	2.085 e	2.085 u
Cabo Verde	0.268 o	0.426 o	0.998 o	1.139 o	1.305 o	1.427 o	1.623 o	1.796 o	1.796 u	1.796 o
Cameroon	0.151 e	11.576 e	11.839 e	12.695 e	13.557 e	26.233 e	26.310 e	26.744 e	26.763 e	26.946 u
Cent Afr Rep	0.209 e	0.274 e	0.299 e	0.296 e	0.339 e	0.337 e	0.334 e	0.440 e	0.523 e	0.523 e
Chad	0.180 e	0.190 e	0.562 e	0.557 e	0.606 e	1.092 e	1.138 e	1.162 e	1.162 e	1.162 e
Comoros	0.805 e	1.146 e	1.146 e	1.165 e	1.152 e	0.362 e	0.034 e	0.070 e	0.070 e	0.070 e
Congo DR	4.610 e	5.670 e	8.333 e	9.578 e	13.088 e	16.073 e	18.870 e	20.066 e	20.066 e	20.066 e
Congo Rep	0.028 e	0.057 e	0.064 e	0.062 e	0.522 e	0.565 e	0.640 e	0.729 e	0.791 e	0.791 e
Cote d Ivoire	0.450 e	1.007 e	2.097 e	4.206 e	6.402 e	7.759 e	9.009 e	9.084 e	9.084 e	9.084 e
Djibouti	0.405 u	0.416 u	0.429 u	0.429 u	0.429 u	0.429 u	0.429 u	0.429 u	0.429 e	0.729 u
Egypt	30.000 o	30.000 o	44.200 o	30.200 o	32.000 e	30.500 e	30.540 o	30.280 o	30.280 o	30.280 o
Eq Guinea	0.160 e	0.354 e	0.354 e	0.336 e	0.325 e	0.189 e	0.006 e	0.006 e	0.006 e	0.006 e
Eritrea	9.014 e	23.354 e	25.864 e	25.919 e	25.906 e	25.125 e	24.785 e	24.785 e	24.785 e	24.785 e
Eswatini		0.003 e	0.003 e	0.003 e	0.038 e	0.038 e	0.038 e	0.038 e	0.038 e	0.038 u
Ethiopia	14.040 u	12.494 u	12.346 u	12.346 u	20.184 u	21.184 u	21.184 u	21.184 u	21.554 u	21.554 u
Gabon	0.066 e	0.081 e	0.086 e	0.098 e	0.090 e	0.490 e	0.510 e	0.504 e	0.493 e	0.493 e
Gambia	0.494 e	0.999 e	1.142 e	1.152 e	1.142 e	1.129 e	1.045 e	1.053 e	1.061 e	1.061 u
Ghana	11.510 e	12.718 e	12.825 e	12.637 e	11.927 e	12.006 e	12.003 e	12.106 e	12.163 e	12.163 e
Guinea	0.227 e	0.426 e	12.900 e	14.014 e	14.630 e	14.961 e	16.059 e	16.758 e	17.079 e	17.079 u
Guinea Bissau	0.701 e	0.945 e	1.826 e	1.822 e	1.761 e	2.052 e	1.804 e	1.995 e	2.747 e	2.747 u
Kenya	25.065 e	27.075 e	30.652 e	37.433 e	42.638 e	57.923 e	62.194 e	64.529 e	66.170 e	66.170 u
Lesotho	0.159 e	0.159 e	0.094 e	0.319 e	0.325 e	0.290 e	0.460 e	0.515 e	0.515 e	0.515 e
Liberia	0.362 e	0.731 e	1.113 e	1.553 e	2.440 e	2.766 e	3.389 e	3.616 e	3.621 e	3.621 u
Libya	4.900 u	5.110 u	5.110 u	5.110 u	5.111 u	6.333 e	6.333 u	6.333 u	6.333 e	6.333 u
Madagascar	1.243 e	1.781 e	1.999 e	2.993 e	4.284 e	4.153 e	4.904 e	7.953 e	9.288 e	9.288 e
Malawi	0.376 e	0.812 e	0.863 e	0.982 e	2.481 e	2.536 e	2.863 e	2.863 e	3.030 e	3.030 e
Mali	5.851 e	7.705 e	8.199 e	9.234 e	9.501 e	40.502 e	41.057 e	41.057 e	40.593 e	40.593 e
Mauritania	19.766 o	19.766 o	21.066 u	21.209 u	21.209 u	21.209 u	21.209 u	55.209 u	89.209 e	101.209 u
Morocco	20.870 u	22.895 o	22.895 o	22.903 o	23.000 u	23.000 u	23.000 u	23.000 u	23.000 e	23.000 e
Mozambique	2.682 e	3.117 e	3.259 e	5.924 e	11.874 e	19.740 e	29.696 e	61.649 e	71.784 e	71.784 e
Namibia	1.368 e	1.409 e	13.602 e	13.893 e	14.382 e	14.400 e	14.414 e	8.481 e	8.541 e	8.541 e
Niger	6.626 e	6.847 e	6.945 e	7.100 e	7.691 e	7.555 e	7.954 e	10.898 e	10.905 e	10.905 e
Nigeria	13.139 e	17.991 e	21.845 e	33.228 e	47.944 e	61.551 e	79.849 e	99.133 e	108.631 e	108.631 e
Reunion	0.001 e	0.001 e	0.001 e	1.341 e	1.501 e	1.501 e	1.501 e	1.501 e	1.501 e	1.501 e
Rwanda	0.299 e	0.488 e	0.757 e	1.382 e	1.879 e	2.287 e	2.943 e	3.315 e	3.127 e	3.127 u
Sao Tome Prn	0.154 e	0.348 e	0.348 e	0.349 e	0.339 e	0.203 e	0.013 e	0.013 e	0.013 e	0.013 e
Senegal	0.747 e	2.483 e	5.182 e	6.326 e	6.843 e	7.952 e	8.399 e	8.611 e	7.834 e	7.834 e
Seychelles	0.068 e	0.068 e	0.922 e	0.922 e	0.922 e	4.122 e	4.122 e	4.122 e	4.122 e	4.122 e
Sierra Leone	0.593 e	0.960 e	1.145 e	2.995 e	3.828 e	11.104 e	11.453 e	11.702 e	11.301 e	11.301 e
Somalia	1.105 u	1.582 u	2.268 u	2.439 u	10.909 u	18.909 u	42.409 u	45.909 u	45.909 e	45.909 u
South Africa	2.486 e	5.248 e	5.106 e	5.532 e	5.296 e	5.190 e	5.117 e	5.782 e	6.424 e	6.424 e
South Sudan	1.237 u	1.953 u	2.228 u	2.482 u	2.732 u	2.533 u	2.983 u	3.739 u	3.739 u	3.739 u
Sudan	26.294 u	36.169 u	59.909 u	80.630 u	117.271 u	136.001 u	136.001 u	136.001 u	136.001 u	136.001 u
Tanzania	8.597 e	8.842 e	9.850 e	5.815 e	5.972 e	5.823 e	5.376 e	5.865 e	12.075 e	12.075 e
Togo	0.082 e	0.572 e	3.782 e	6.638 e	9.422 e	12.800 e	14.740 e	15.549 e	15.713 e	15.713 e
Tunisia	2.078 u	2.091 u	2.091 u	7.123 u	8.682 u	8.714 u	8.920 u	8.920 u	8.920 u	8.920 u
Uganda	6.502 e	8.524 e	11.186 e	13.593 e	13.089 e	13.091 e	13.045 e	12.481 e	12.481 e	11.638 e
Zambia	1.147 e	1.504 e	3.009 e	4.362 e	5.060 e	5.297 e	6.244 e	6.875 e	7.118 e	7.118 e
Zimbabwe	2.227 e	2.681 e	3.236 e	2.986 e	3.218 e	2.588 e	2.229 e	2.270 e	2.727 e	2.727 e
Asia	**1 311.947**	**1 668.908**	**1 947.653**	**2 047.206**	**2 435.989**	**2 569.410**	**2 993.263**	**3 133.979**	**4 627.494**	**5 640.421**
Afghanistan	21.160 u	21.601 u	21.376 u	20.891 u	20.313 u	20.486 u	22.256 u	22.256 u	22.256 u	22.256 u
Bangladesh	151.036 u	194.667 u	190.818 u	200.992 u	206.326 u	202.495 u	166.398 u	151.688 u	137.609 u	137.609 u
Bhutan	0.120 u	0.120 u	0.120 u	0.120 u	0.120 u	0.200 u	0.200 u	0.328 u	0.328 u	0.328 u
Brunei Darsm	0.012 u	0.013 u	0.021 u	0.023 u	0.024 u	0.044 u	0.044 u	0.050 u	0.050 u	0.050 u
Cambodia	1.982 u	2.140 u	1.882 u	3.539 u	3.592 u	4.126 u	4.693 u	5.420 u	5.753 u	5.753 u
China	367.800 u	376.800 u	385.800 u	394.800 u	403.800 o	412.800 u	421.800 u	430.800 u	439.800 u	448.800 u
India	640.976 u	875.977 u	1 130.251 u	1 177.163 u	1 510.674 u	1 633.081 u	1 966.434 u	1 946.781 u	3 202.000 u	4 174.000 u
Indonesia	41.784 u	42.927 u	43.856 u	52.772 u	58.768 u	65.648 u	115.827 u	306.797 u	524.827 u	524.827 u
Lao PDR	1.964 e	1.964 e	1.518 e	1.099 e	0.328 e	0.342 e	0.342 e	0.342 e	0.342 u	0.342 u
Malaysia	2.460 e	2.569 e	7.629 e	7.610 e	7.794 e	7.831 e	7.879 e	8.036 e	8.200 e	8.200 e
Maldives	7.488 u	10.791 u	16.478 u	29.000 o	39.000 o	40.000 o	52.000 o	55.000 o	68.500 o	74.714 u
Mongolia	13.163 e	13.163 e	13.163 e	13.163 e	13.168 e	13.168 e	13.198 e	13.198 e	13.198 e	13.198 e
Myanmar	32.008 o	43.781 o	47.542 o	48.482 o	44.496 o	40.447 u	88.100 u	88.100 u	93.100 u	117.100 u
Nepal	13.004 u	53.137 u	54.027 u	52.693 u	52.896 u	53.274 u	56.354 u	53.507 u	56.069 u	57.469 u
Pakistan	0.282 e	11.567 e	12.328 e	13.640 e	13.857 e	13.925 e	13.930 e	13.787 e	13.643 e	13.643 e
Philippines	0.828 u	1.147 u	4.108 u	14.654 u	15.236 u	16.055 u	17.817 u	18.416 u	22.616 u	22.616 u
Sri Lanka	7.760 u	7.743 u	7.659 u	7.659 u	7.659 u	7.659 u	7.659 u	7.659 u	7.659 u	7.659 u
Thailand	0.464 e	0.626 e	0.821 e	0.868 e	30.130 u	30.026 u	30.490 u	3.970 u	3.700 u	3.700 u
Timor Leste	1.028 u	0.722 u	0.503 u	0.285 u	0.055 u	0.050 u	0.089 u	0.091 u	0.091 u	0.404 u
Uzbekistan	2.200 u	3.025 u	3.325 u	3.325 o	3.325 o	3.325 o	3.325 o	3.325 o	3.325 o	3.325 o
Viet Nam	4.428 u	4.428 u	4.428 u	4.428 u	4.428 u	4.428 u	4.428 u	4.428 u	4.428 u	4.428 u

Off-grid Solar photovoltaic
Solaire photovoltaïque hors réseau
Solar fotovoltaica fuera de red

CAP (MW)	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
C America + Carib	**7.066**	**8.886**	**10.951**	**27.296**	**35.484**	**41.352**	**47.254**	**56.888**	**56.908**	**57.579**
Antigua Barb	0.010 e	0.414 e	0.414 e	0.414 e	0.414 e	0.414 e	0.414 u	0.414 u	0.414 u	0.414 e
Aruba	0.011 u	0.011 u	0.011 u	0.011 u	0.011 u	0.011 u				
Bahamas	1.583 u	1.471 u	1.440 u	1.740 u	1.740 u	5.740 u	5.740 u	5.740 u	5.740 u	5.740 u
Barbados	0.001 e	0.001 e	0.001 e	0.001 e	0.001 e	0.001 e	0.001 e	0.001 e	0.001 e	0.001 e
Belize	0.221 e	0.258 e	0.256 e	0.906 e	0.972 e	0.972 e	1.012 e	1.059 e	1.059 e	1.059 e
BES Islands								0.130 u	0.130 u	0.130 u
Br Virgin Is	0.925 o	0.926 o	0.935 o	0.990 o	1.195 o	1.184 o	1.199 o	2.199 o	2.199 e	
Costa Rica	0.592 e	0.616 e	0.401 e	0.402 e	0.611 e	0.488 e	0.494 e	0.450 e	0.450 e	0.450 e
Cuba	0.362 u	0.847 u	0.860 u	8.212 u	8.203 u	8.190 u	7.706 u	7.693 u	7.693 e	7.693 o
Curacao	0.004 u	0.004 u	0.004 u	0.004 u	0.004 u	0.004 u	0.004 u	0.004 u	0.004 e	0.004 o
Dominican Rep	1.510 e	1.550 e	3.600 e	3.800 e	4.500 e	6.500 e	11.769 e	19.087 e	19.087 e	19.097 o
El Salvador	0.073 e	0.073 e	0.098 e	4.084 e	4.086 e	4.090 e	4.132 e	4.136 e	4.136 e	4.136 e
Guatemala	0.194 e	0.449 e	0.472 e	0.607 e	0.644 e	0.640 e	0.545 e	0.633 e	0.655 e	0.655 e
Haiti	1.435 u	1.479 u	1.654 u	1.489 u	1.471 u	1.486 u	1.486 u	1.486 u	1.486 e	4.346 o
Honduras	0.130 e	0.709 e	0.721 e	2.131 e	9.155 e	9.155 e	9.180 e	9.180 e	9.180 e	9.180 u
Jamaica	0.013 e	0.013 e	0.013 e	0.013 e	0.013 u	0.013 u	0.013 u	0.013 u	0.013 u	0.013 u
Nicaragua				2.400 o	2.400 o	2.400 u	3.495 u	4.599 u	4.599 e	4.599 u
Panama				0.020 u	0.020 u	0.020 e	0.020 u	0.020 e	0.020 e	0.020 u
Puerto Rico		0.062 u	0.070 u	0.070 u	0.042 u	0.042 u	0.042 u	0.042 u	0.042 e	0.042 e
St Kitts Nevis	0.001 e	0.001 e	0.001 e	0.001 e	0.001 e	0.001 e	0.001 u	0.001 u	0.001 e	0.001 e
Trinidad Tobago	0.001 u	0.001 u	0.001 u	0.001 u	0.001 u	0.001 u	0.001 u	0.001 u		
Eurasia	**0.250**	**0.250**	**0.262**	**0.656**	**0.656**	**0.656**	**0.656**	**0.656**	**0.656**	**0.656**
Georgia	0.250 u	0.250 u	0.262 u	0.656 u	0.656 u	0.656 u	0.656 u	0.656 u	0.656 u	0.656 u
Europe	**67.956**	**120.303**	**212.415**	**321.285**	**612.549**	**980.889**	**1 055.740**	**1 055.740**	**1 085.740**	**1 085.740**
Austria	6.487 u	6.963 u	7.197 u	7.697 u	8.197 o	8.697 u	8.697 e	8.697 o	8.697 e	8.697 u
France			33.421 o	69.485 o	243.771 e	373.410 e	373.410 e	373.410 u	373.410 e	373.410 u
Iceland	3.527 u	4.333 u	5.275 u	7.001 u	7.001 u	7.001 u	7.001 e	7.001 u	7.001 e	7.001 u
Ireland	5.927 u	17.135 u	31.972 u	57.478 u	89.892 u	135.272 u	135.272 e	135.272 u	165.272 e	165.272 u
Lithuania		3.669 u	10.000 u	30.000 u	84.000 u	171.000 u	171.000 e	171.000 u	171.000 e	171.000 u
Norway			15.292 o	17.292 o	18.292 e	18.792 e	18.792 e	18.792 u	18.792 e	18.792 u
Portugal	19.774 u	39.815 u	49.585 u	68.702 u	90.222 u	171.210 u	171.210 e	171.210 u	171.210 e	171.210 u
Serbia	6.241 u	8.388 u	9.766 u	12.448 u	19.008 o	39.710 u	114.561 u	114.561 u	114.561 e	114.561 u
Spain	26.000 u	27.000 u	32.907 u	35.182 u	35.166 u	36.797 u	36.797 e	36.797 e	36.797 e	36.797 u
Sweden		13.000 u	17.000 u	16.000 u	17.000 u	19.000 u	19.000 e	19.000 u	19.000 e	19.000 u
European Union	**58.350**	**107.744**	**182.244**	**286.046**	**569.910**	**917.048**	**917.048**	**917.048**	**947.048**	**947.048**
Middle East	**123.110**	**145.914**	**299.973**	**304.187**	**310.448**	**311.448**	**569.267**	**1 251.612**	**1 819.870**	**2 379.870**
Iran IR	0.378 u	0.378 u	0.378 u	0.378 u	0.378 u	0.378 u	0.378 u	0.378 u	0.378 u	0.378 u
Iraq	36.500 u	36.500 u	36.500 u	36.500 u	36.500 u	36.500 u	39.000 u	39.000 u	39.000 u	39.000 u
Jordan	0.588 u	0.588 o	0.623 o	0.670 o	2.375 e	3.325 u	3.325 u	3.325 u	3.325 u	3.325 u
Lebanon	0.984 u	1.298 u	4.880 e	4.880 e	4.880 u	4.890 o	4.890 u	5.181 u	5.181 u	5.181 u
Oman	0.002 u	0.012 u	0.012 u	0.012 u	0.012 u	0.012 u	0.012 u	0.012 u	0.012 u	0.012 u
Palestine	0.816 u	0.816 u	0.832 u	2.915 u	3.035 u	3.035 u	3.035 u	3.035 u	3.035 e	3.035 u
Syrian AR							249.000 o	931.000 o	1 500.000 o	2 060.000 o
United Arab Em	3.208 u	3.238 u	3.407 o	4.672 o	5.597 u	5.597 u	5.897 u	6.197 u	6.197 e	6.197 e
Yemen	80.634 u	103.084 u	253.341 u	254.160 u	257.671 u	257.711 u	263.730 u	263.484 u	262.742 u	262.742 u
N America	**0.000**	**0.000**	**0.944**	**2.633**	**2.835**	**9.506**	**9.193**	**9.193**	**9.298**	**9.298**
Greenland			0.139 u	0.139 u	0.341 e	0.590 e	0.620 u	0.620 u	0.725 e	0.725 u
Mexico			0.805 u	2.494 u	2.494 u	8.916 u	8.573 u	8.573 u	8.573 e	8.573 u
Oceania	**14.370**	**16.610**	**19.232**	**21.163**	**22.095**	**24.025**	**25.569**	**29.025**	**29.433**	**29.807**
Amer Samoa	1.504 e	1.854 e	1.854 e	1.504 u	1.504 o	1.504 o	1.504 o	1.504 u	1.504 e	1.504 o
Cook Is	0.047 u	0.047 u	1.869 u	2.606 u	2.606 u	2.606 u	2.606 u	2.606 u	2.606 u	2.606 u
Fiji	4.825 u	4.995 u	5.408 u	5.499 u	5.601 u	5.890 u	6.181 u	7.165 u	7.165 e	7.439 o
Fr Polynesia	3.000 o	3.300 o	3.200 o	3.300 u	3.300 u	3.300 u	3.300 u	3.300 u	3.300 e	3.300 o
Kiribati	0.017 u	0.017 u	0.017 u	0.017 u	0.017 u	0.017 u	0.000 u	2.277 u	2.277 u	2.277 e
Marshall Is	0.650 u	0.710 u	0.726 u	0.726 u	0.726 u	0.726 u	0.726 u	0.726 u	0.726 u	0.726 u
Micronesia	0.137 u	0.137 u	0.137 u	0.137 u	0.137 u	0.137 u	0.137 u	0.137 u	0.137 u	0.137 u
Nauru	0.008 u	0.009 e	0.009 e	0.167 u	0.158 u	0.158 u	0.158 u	0.158 u	0.158 e	0.158 e
New Caledon	0.000 u	0.000 u	0.000 u	0.000 u	0.000 u	0.000 u	0.000 u	0.185 u	0.185 o	0.185 o
Palau	0.170 o	0.170 o	0.170 u	0.235 u	0.538 e	0.538 u	0.538 u	0.538 u	0.538 e	0.538 u
Papua N Guin	1.037 u	1.090 u	1.033 u	1.602 u	2.102 u	3.761 u	3.437 u	3.437 u	3.437 u	3.537 u
Samoa	0.000 u	0.025 u	0.025 u	0.183 u	0.158 u	0.158 u	0.000 u	0.000 u		
Solomon Is	1.107 u	1.482 u	1.482 u	1.369 u	1.369 u	1.369 u	3.079 u	3.079 u	3.079 e	3.079 o
Tokelau	0.000 u	0.000 u	0.000 u	0.000 u	0.000 u	0.000 u	0.000 u	0.000 u		
Tonga	0.251 u	0.251 u	0.437 u	0.437 u	0.437 u	0.437 u	0.437 u	0.437 u	0.621 u	0.621 o
Tuvalu	1.316 o	1.321 o	1.332 o	1.332 o	1.332 u	1.332 u	1.332 u	1.332 u	1.556 u	1.556 e
Vanuatu	0.301 u	1.202 u	1.533 u	2.049 u	2.110 u	2.092 u	2.134 u	2.144 u	2.144 u	2.144 u

Off-grid Solar photovoltaic
Solaire photovoltaïque hors réseau
Solar fotovoltaica fuera de red

CAP (MW)	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
S America	**70.036**	**81.033**	**71.596**	**81.378**	**90.037**	**96.100**	**110.310**	**125.894**	**188.039**	**145.191**
Argentina	5.538 e	5.390 e	5.476 e	5.943 e	5.767 e	7.582 e	8.646 e	8.374 e	8.374 u	8.374 u
Bolivia	5.627 e	5.699 e	5.497 o	6.003 o	6.252 e	6.194 e	6.476 e	6.660 o	6.660 o	6.660 u
Brazil	4.042 e	7.174 e	7.194 e	7.215 e	7.215 e	7.069 e	3.965 e	6.660 e	6.660 u	6.660 u
Chile	0.110 u	0.232 u	0.396 u	0.432 u	0.520 u	0.652 u	0.648 u	4.218 u	4.218 e	
Colombia	1.520 u	1.520 u	3.580 u	4.636 e	11.826 e	14.166 o	16.506 o	18.846 o	21.186 o	23.526 o
Ecuador	2.020 o	2.020 o	3.170 o	3.170 o	3.170 o	3.190 o	4.190 o	4.880 o	59.450 o	11.640 o
Falklands Malv	0.070 o	0.070 o	0.070 o	0.070 u	0.070 u	0.070 u	0.070 u	0.070 u	0.070 u	0.070 u
Fr Guiana	0.161 o	0.161 o	0.161 o	0.161 u	0.161 u	0.161 u	0.161 u	0.161 u	0.161 u	0.161 u
Guyana	0.717 u	0.727 u	0.624 u	0.592 u	0.804 u	0.626 u	3.074 u	8.521 o	10.921 o	13.471 o
Paraguay	0.057 o	0.057 o	0.057 o	0.057 o	0.150 u	0.150 u	1.166 u	1.166 u	1.166 u	2.011 u
Peru	46.147 u	53.379 u	39.675 u	45.746 u	45.746 u	45.746 e	45.746 u	45.746 u	45.746 o	45.746 u
Suriname	0.020 u	0.020 u	0.572 u	0.585 u	1.235 u	2.235 u	4.535 u	4.535 u	6.220 u	9.485 u
Uruguay	1.137 o	1.714 o	2.254 o	3.898 o	4.251 o	5.389 o	12.257 o	13.187 o	14.337 o	14.517 o
Venezuela	2.870 u	2.870 u	2.870 u	2.870 u	2.870 u	2.870 u	2.870 u	2.870 u	2.870 u	2.870 u

Other off-grid renewable energy
Autres énergies renouvelables hors réseau
Otras energías renovables fuera de red

CAP (MW)	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
World	**4 924.300**	**4 363.909**	**4 604.775**	**4 452.368**	**4 980.562**	**5 442.792**	**6 306.174**	**6 541.263**	**6 544.638**	**6 747.423**
Africa	**82.448**	**122.883**	**123.373**	**123.373**	**123.373**	**143.373**	**143.373**	**143.373**	**143.373**	**143.373**
Algeria	10.200 u	10.200 u	10.000 u	10.000 u	10.000 u	10.000 u	10.000 u	10.000 u	10.000 e	10.000 u
Burkina Faso	0.150 u	0.150 u	0.150 u	0.150 u	0.150 u	0.150 u	0.150 u	0.150 u	0.150 e	0.150 e
Burundi	4.000 o	4.000 o	4.000 o	4.000 o	4.000 o	4.000 o	4.000 o	4.000 o	4.000 o	4.000 o
Chad	1.100 u	1.100 u	1.100 u	1.100 u	1.100 o	1.100 e	1.100 e	1.100 e	1.100 e	1.100 e
Congo DR	0.160 u	2.160 u	2.960 u	2.960 e	2.960 e	2.960 e	2.960 e	2.960 e	2.960 e	2.960 e
Djibouti						20.000 u	20.000 u	20.000 u	20.000 e	20.000 u
Egypt	5.000 o	5.000 o	5.000 o	5.000 o	5.000 o	5.000 u	5.000 u	5.000 u	5.000 u	5.000 u
Eritrea	0.825 u	0.825 u	0.825 u	0.825 u	0.825 u	0.825 u	0.825 u	0.825 u	0.825 u	0.825 u
Ethiopia	0.006 u	0.006 u	0.006 u	0.006 u	0.006 u	0.006 u	0.006 u	0.006 u	0.006 e	0.006 u
Gabon	1.200 u	1.200 u	1.200 u	1.200 u	1.200 u	1.200 u	1.200 u	1.200 u	1.200 u	1.200 u
Ghana	8.294 u	8.294 u	8.294 u	8.294 u	8.294 u	8.294 u	8.294 u	8.294 u	8.294 u	8.294 u
Kenya	0.604 e	0.714 e	0.604 e	0.604 e	0.604 e	0.604 e	0.604 e	0.604 e	0.604 u	0.604 u
Liberia	0.130 u	0.205 u	0.205 u	0.205 u	0.205 u	0.205 u	0.205 u	0.205 u	0.205 u	0.205 u
Madagascar	0.411 o	0.411 u	0.411 u	0.411 u	0.411 u	0.411 u	0.411 u	0.411 u	0.411 u	0.411 u
Mali	5.366 u	40.366 u	40.366 u	40.366 u	40.366 u	40.366 u	40.366 u	40.366 u	40.366 u	40.366 u
Mauritania	4.400 o	4.400 o	4.400 u	4.400 u	4.400 u	4.400 u	4.400 u	4.400 u	4.400 e	4.400 u
Morocco	5.000 u	5.000 u	5.000 u	5.000 u	5.000 u	5.000 u	5.000 u	5.000 u	5.000 u	5.000 o
Nigeria	9.017 u	9.017 u	9.017 u	9.017 u	9.017 u	9.017 u	9.017 u	9.017 u	9.017 u	9.017 u
Somalia	2.800 u	3.550 u	3.550 u	3.550 u	3.550 e	3.550 u	3.550 u	3.550 u	3.550 e	3.550 u
Tanzania	23.785 u	26.285 u	26.285 u	26.285 u	26.285 u	26.285 u	26.285 u	26.285 u	26.285 u	26.285 u
Asia	**4 364.270**	**3 725.789**	**3 920.290**	**3 759.972**	**4 288.136**	**4 685.111**	**5 538.897**	**5 792.696**	**5 753.456**	**5 918.542**
Afghanistan	0.100 u	0.100 u	0.100 u	0.100 u	0.100 u	0.100 u	0.100 u	0.100 u	0.100 u	0.100 u
Bangladesh	7.050 u	7.050 u	7.050 u	7.050 u	7.350 u	7.350 u	7.350 u	7.350 u	7.350 u	7.350 u
Cambodia	26.950 u	26.950 u	26.950 u	26.950 u	26.950 u	26.950 u	26.950 u	24.950 u	24.950 u	24.950 u
China	342.690 u	370.390 u	401.150 u	431.910 u	462.670 o	493.430 u	524.190 u	554.950 u	585.710 u	616.470 u
India	843.616 u	849.946 u	896.347 u	866.629 u	964.169 u	964.169 u	968.369 u	1 020.369 u	1 113.909 u	1 128.224 u
Indonesia	1 633.000 u	1 669.000 u	1 685.260 u	1 687.260 u	1 716.220 u	2 082.810 u	2 893.410 u	3 153.050 u	2 989.510 u	3 110.510 u
Lao PDR			0.290 u	0.290 u	0.290 u	0.290 u	0.290 u	0.290 u	0.290 u	0.290 u
Malaysia	1 243.000 o	531.640 o	531.640 o	531.640 o	531.640 o	531.640 o	531.640 o	531.640 o	531.640 o	531.640 o
Maldives	1.407 u	1.407 u	1.407 u	1.407 u	1.407 u	1.407 u	1.407 u	1.407 u	1.407 e	1.407 u
Mongolia	1.006 u	1.006 u	1.006 u	1.006 u	1.000 u	0.994 u	0.989 u	0.989 u	0.989 u	0.000 u
Myanmar	49.221 u	51.618 u	56.308 u	58.358 u	58.358 u	58.358 u	58.358 u	58.358 u	58.358 e	58.358 u
Nepal	0.069 u	0.503 u	0.603 u	0.633 u	0.633 u	1.191 u	1.311 u	1.311 u	1.311 u	1.311 u
Pakistan	0.561 e	0.579 e	0.579 e	0.579 e	0.579 e	0.579 e	0.579 e	0.579 e	0.579 e	0.579 e
Philippines	22.580 u	22.580 u	22.580 u	39.140 u	39.140 u	39.140 u	39.140 u	39.140 u	39.140 u	39.140 u
Thailand					442.110 u	457.683 u	465.794 u	379.163 u	379.163 u	379.163 u
Timor Leste	0.020 u	0.020 u	0.020 u	0.020 u	0.020 u	0.020 u	0.020 u	0.050 u	0.050 u	0.050 u
Viet Nam	193.000 u	193.000 u	289.000 u	107.000 u	35.500 u	19.000 u	19.000 u	19.000 u	19.000 u	19.000 u
C America + Carib	**88.571**	**119.571**	**119.595**	**120.346**	**120.346**	**120.346**	**122.686**	**122.686**	**122.686**	**121.885**
Bahamas	0.300 u	0.300 u	0.300 u	0.300 u	0.300 u	0.300 u	0.300 u	0.300 u	0.300 u	0.300 u
Belize	0.020 u	0.020 u	0.020 u	0.020 u	0.020 u	0.020 u	0.020 u	0.020 u	0.020 u	0.020 u
Br Virgin Is	0.500 u	0.500 u	0.500 u	0.801 u	0.801 u	0.801 u	0.801 u	0.801 u	0.801 e	
Cuba				0.450 u	0.450 u	0.450 u	0.450 u	0.450 u	0.450 u	0.450 o
Dominica	0.001 u	0.001 u	0.001 u	0.001 u	0.001 u	0.001 u	0.001 u	0.001 u	0.001 e	0.001 o
Dominican Rep	20.050 e	51.050 e	51.050 e	51.050 e	51.050 e	51.050 e	53.390 e	53.390 e	53.390 e	53.390 o
Haiti			0.024 u	0.024 u	0.024 u	0.024 u	0.024 u	0.024 u	0.024 u	0.024 u
Honduras	7.414 e	7.414 e	7.414 e	7.414 e	7.414 e	7.414 e	7.414 e	7.414 e	7.414 e	7.414 u
Nicaragua	0.010 u	0.010 u	0.010 u	0.010 u	0.010 u	0.010 u	0.010 u	0.010 u	0.010 e	0.010 u
Panama	60.000 u	60.000 u	60.000 u	60.000 u	60.000 u	60.000 u	60.000 u	60.000 e	60.000 e	60.000 u
St Lucia	0.176 e	0.176 u	0.176 u	0.176 u	0.176 u	0.176 u	0.176 u	0.176 u	0.176 e	0.176 o
US Virgin Is	0.100 o	0.100 o	0.100 u	0.100 u	0.100 u	0.100 u	0.100 u	0.100 e	0.100 e	0.100 o
European Union	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**3.000**	**3.000**	**3.000**	**3.000**	**3.000**
Middle East	**5.400**	**5.400**	**5.400**	**5.400**	**5.410**	**5.415**	**5.415**	**5.415**	**5.415**	**5.415**
Jordan					0.010 o	0.010 o	0.010 u	0.010 u	0.010 u	0.010 u
Kuwait	2.400 u	2.400 u	2.400 u	2.400 u	2.400 u	2.400 u	2.400 u	2.400 u	2.400 u	2.400 u
Lebanon	3.000 u	3.000 u	3.000 u	3.000 u	3.000 u	3.000 u	3.000 u	3.000 u	3.000 u	3.000 u
Yemen						0.005 o	0.005 u	0.005 u	0.005 u	0.005 u
N America	**0.000**	**0.000**	**0.050**	**0.050**	**0.050**	**0.050**	**0.056**	**0.056**	**0.071**	**0.071**
Greenland			0.050 u	0.050 u	0.050 u	0.050 u	0.056 e	0.056 e	0.071 e	0.071 u
Oceania	**69.094**	**69.094**	**69.095**	**69.095**	**69.095**	**69.095**	**69.095**	**69.095**	**70.095**	**70.095**
Fiji	0.024 u	0.024 u	0.024 u	0.024 u	0.024 u	0.024 u	0.024 u	0.024 u	0.024 e	0.024 o
Fr Polynesia	0.248 u	0.248 u	0.248 u	0.248 u	0.248 u	0.248 u	0.248 u	0.248 u	0.248 e	0.248 u
Marshall Is	0.010 u	0.010 u	0.011 u	0.011 u	0.011 u	0.011 u	0.011 u	0.011 u	0.011 u	0.011 u
Papua N Guin	68.312 u	68.312 u	68.312 u	68.312 u	68.312 u	68.312 u	68.312 u	68.312 u	69.312 u	69.312 o
Solomon Is	0.500 u	0.500 u	0.500 u	0.500 u	0.500 u	0.500 u	0.500 u	0.500 u	0.500 e	0.500 o
Vanuatu	0.000 u	0.000 u	0.000 u							

Other off-grid renewable energy
Autres énergies renouvelables hors réseau
Otras energías renovables fuera de red

CAP (MW)	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
S America	**314.517**	**321.172**	**366.972**	**374.132**	**374.152**	**419.402**	**426.652**	**407.942**	**449.542**	**488.042**
Argentina	91.335 o	91.350 o	91.350 o	91.350 o	91.350 u	91.350 u	91.350 o	91.350 o	91.350 u	91.350 u
Bolivia	84.500 e	76.000 e	117.500 e	122.500 e	122.500 e	121.630 e	121.630 e	139.920 o	139.920 o	139.920 u
Colombia	0.059 o	0.099 o	0.099 o	0.059 u	0.059 u	5.579 e	5.579 e	5.579 e	5.579 u	5.579 u
Ecuador	4.650 o	4.650 o	4.650 o	4.650 o	4.650 o	4.650 o	4.650 o	4.650 o	4.650 o	4.650 o
Falklands Malv	0.340 o	0.340 o	0.340 o	0.340 u	0.340 u	0.340 u	0.340 u	0.340 u	0.340 u	0.340 u
Fr Guiana						3.000 u	3.000 u	3.000 u	3.000 u	3.000 u
Guyana	14.827 u	14.827 u	14.827 u	14.827 u	14.827 u	14.827 u	14.827 u	14.827 u	14.827 u	14.827 u
Paraguay					0.020 u	0.020 u	0.020 u	0.020 u	0.020 u	0.020 u
Peru	66.300 e	76.300 e	74.400 u	74.400 u	74.400 u	66.000 e	73.250 e	36.250 u	77.850 o	116.350 u
South Georgia	0.006 u	0.006 u	0.006 u	0.006 u	0.006 u	0.006 u	0.006 u	0.006 u	0.006 u	0.006 u
Suriname	1.500 o	1.500 o	1.500 o	1.500 o	1.500 o	1.500 o	1.500 o	1.500 u	1.500 u	1.500 u
Uruguay	0.800 o	5.900 u	12.100 u	14.300 u	14.300 o	14.300 o	14.300 o	14.300 o	14.300 u	14.300 o
Venezuela	50.200 u	50.200 u	50.200 u	50.200 u	50.200 u	96.200 u	96.200 u	96.200 u	96.200 u	96.200 u

Other indicators
Autres indicateurs
Otros indicadores

Renewable energy share of electricity capacity
Part d'énergie renouvelable dans la puissance installée
Porcentaje de energía renovable en la capacidad instalada

CAP (%MW)	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
World	**30.8**	**32.1**	**33.1**	**34.5**	**36.5**	**38.3**	**40.2**	**43.1**	**46.3**	**49.4**
Africa	**19.7**	**20.4**	**20.5**	**20.9**	**21.6**	**22.0**	**23.4**	**25.2**	**26.5**	**29.2**
Algeria	2.5	2.9	2.7	2.5	2.3	2.0	2.2	2.2	2.1	2.1
Angola	55.9	51.1	57.1	59.4	61.6	61.6	63.3	63.4	63.7	63.9
Benin	1.3	1.4	1.7	1.4	1.7	2.1	10.1	10.6	10.6	10.6
Botswana	0.4	0.4	0.4	0.6	0.6	0.7	0.7	1.0	6.7	15.6
Burkina Faso	11.0	19.7	23.0	21.1	21.2	19.2	24.0	34.9	37.8	37.8
Burundi	73.3	51.7	51.8	51.8	51.8	54.8	60.1	60.3	60.5	77.9
Cabo Verde	18.8	18.9	21.1	23.5	22.7	23.7	23.2	25.1	26.8	30.8
Cameroon	54.0	52.1	51.9	54.5	54.9	55.2	55.2	59.9	68.1	68.1
Cent Afr Rep	46.4	46.5	46.5	46.5	46.6	21.0	21.0	45.2	45.2	45.2
Chad	1.1	1.2	1.3	1.3	1.5	1.6	1.7	1.7	1.7	28.8
Comoros	9.4	10.7	10.7	10.8	10.7	18.2	17.2	17.3	17.3	33.4
Congo DR	98.8	98.8	98.8	98.8	98.8	98.8	97.5	97.6	88.6	88.6
Congo Rep	33.4	34.6	34.6	34.6	27.5	27.5	27.5	27.5	26.7	22.2
Cote d Ivoire	31.3	39.9	39.9	39.5	39.5	38.9	34.7	31.4	33.9	33.9
Djibouti	0.3	0.3	0.3	0.3	0.3	14.2	14.2	39.5	39.5	39.6
Egypt	9.5	8.4	8.6	9.7	10.0	10.5	10.4	11.1	12.5	14.6
Eq Guinea	33.8	31.8	31.8	31.8	31.8	31.7	31.7	31.7	31.7	31.7
Eritrea	5.8	10.6	11.5	11.5	11.5	11.2	11.1	11.1	11.1	11.2
Eswatini	94.4	94.4	94.4	94.4	94.4	94.7	94.7	95.2	95.2	95.2
Ethiopia	96.4	97.8	98.1	97.7	97.8	97.9	98.2	98.3	98.4	99.0
Gabon	36.8	37.4	38.3	45.7	45.7	45.7	45.7	45.7	46.5	38.4
Gambia	2.9	3.6	1.8	2.1	2.1	1.9	1.8	1.8	14.0	14.0
Ghana	42.7	35.3	34.8	32.5	31.8	31.3	31.0	31.2	30.2	30.2
Guinea	62.0	60.3	60.7	62.5	61.6	66.0	66.0	66.0	66.0	66.0
Guinea Bissau	2.4	3.3	6.1	6.1	5.9	6.8	6.1	6.7	8.9	8.9
Kenya	66.1	67.4	71.7	71.9	75.1	76.4	79.3	82.6	83.0	82.9
Lesotho	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.4	99.4	99.4
Liberia	21.8	48.9	49.0	49.1	49.3	49.4	49.6	49.7	49.7	50.2
Libya	0.1	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1
Madagascar	24.3	22.4	23.1	23.2	23.3	23.3	28.2	28.7	28.8	29.1
Malawi	91.6	80.6	76.6	74.9	74.9	78.2	79.6	79.6	79.6	79.6
Mali	43.9	44.3	44.4	43.8	46.4	48.0	53.8	49.3	50.9	50.9
Mauritania	14.3	14.3	21.2	20.8	20.8	19.5	19.7	34.0	36.8	36.4
Mauritius	22.6	21.2	26.9	28.9	29.8	30.2	30.2	31.4	33.2	33.2
Mayotte	11.9	13.3	13.7	14.5	15.8	23.3	23.3	24.0	24.0	24.0
Morocco	28.9	28.7	29.8	30.5	33.0	33.1	34.3	36.9	38.7	39.6
Mozambique	79.9	80.4	77.5	77.8	78.5	78.6	77.7	78.0	78.1	91.4
Namibia	67.0	69.5	72.2	74.6	71.5	71.6	75.7	75.5	75.5	79.2
Niger	2.5	2.0	4.0	3.8	4.0	4.0	10.0	15.6	15.6	15.6
Nigeria	17.1	17.1	16.5	16.6	16.7	16.9	17.1	21.4	21.6	21.8
Reunion	45.3	45.4	47.8	48.3	48.8	49.8	50.1	71.8	88.7	88.7
Rwanda	48.6	49.3	49.4	51.9	53.9	54.0	48.4	48.4	44.3	37.3
Sao Tome Prn	7.0	7.6	7.6	7.4	7.4	7.0	6.4	12.2	9.3	11.8
Senegal	12.5	16.8	15.9	21.6	27.6	31.1	28.8	28.8	25.3	25.9
Seychelles	7.1	7.6	8.9	8.4	10.8	17.5	18.0	18.6	18.8	18.8
Sierra Leone	55.5	56.8	48.3	41.4	41.6	43.3	44.5	44.6	44.5	44.7
Somalia	4.7	6.0	5.5	5.7	12.6	17.5	30.2	31.8	14.2	14.2
South Africa	8.7	10.2	10.4	10.9	12.5	12.9	15.9	19.4	20.7	23.7
South Sudan	1.5	1.5	1.7	1.5	2.2	2.1	2.3	7.9	13.5	18.6
Sudan	46.1	46.2	47.4	47.7	48.2	48.4	49.2	49.2	49.2	49.2
Tanzania	44.7	47.9	40.0	39.9	39.8	37.1	35.5	37.2	53.5	69.2
Togo	27.9	28.1	29.0	29.8	30.8	37.2	37.6	37.7	37.8	43.0
Tunisia	6.5	6.5	7.3	7.2	6.8	6.8	7.7	11.9	15.2	16.6
Uganda	84.9	85.5	89.7	91.8	92.2	92.6	92.7	94.4	94.9	95.0
Zambia	83.8	82.2	82.4	82.9	82.9	84.4	86.3	86.4	86.3	85.0
Zimbabwe	42.3	42.4	49.7	49.8	49.8	50.1	49.4	39.8	41.0	41.0

Renewable energy share of electricity capacity
Part d'énergie renouvelable dans la puissance installée
Porcentaje de energía renovable en la capacidad instalada

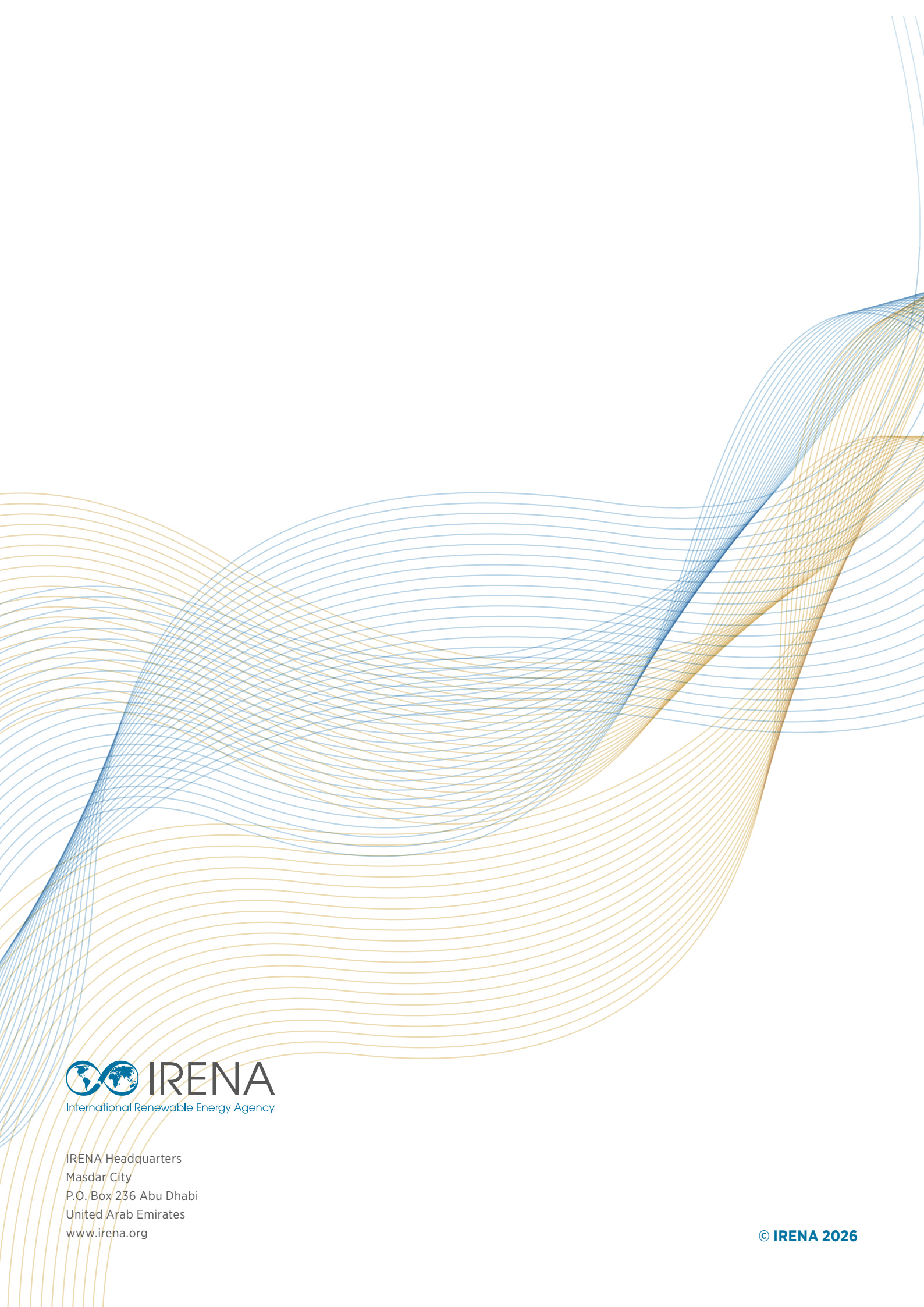
CAP (%MW)	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
Asia	**28.6**	**30.3**	**31.6**	**33.1**	**35.7**	**37.7**	**39.7**	**43.5**	**47.5**	**51.3**
Afghanistan	59.7	61.2	61.1	59.2	59.2	60.2	65.4	65.4	65.9	66.7
Bangladesh	2.9	3.2	2.6	2.6	2.6	3.3	3.1	3.6	4.0	5.0
Bhutan	99.5	99.5	99.5	99.7	99.6	99.6	99.6	99.6	99.7	99.8
Brunei Darsm	0.1	0.1	0.1	0.1	0.1	0.4	0.4	0.4	0.4	0.4
Cambodia	57.8	55.9	63.9	61.2	56.5	58.1	52.8	47.9	58.8	60.5
China	33.1	35.2	36.6	37.7	40.7	42.8	45.1	49.8	54.3	58.0
China HK SAR	0.0	0.4	0.5	1.4	1.4	1.4	2.3	3.6	4.3	4.4
Chinese Taipei	8.9	10.0	11.3	13.3	16.0	19.0	22.3	27.5	31.0	32.3
India	24.8	27.1	28.1	29.0	29.9	31.7	33.9	35.2	38.4	42.8
Indonesia	15.5	15.2	15.1	14.8	14.4	15.5	15.0	14.6	13.8	15.3
Japan	22.3	24.3	26.0	28.5	30.2	31.8	33.1	34.9	35.5	36.7
Kazakhstan	12.9	13.1	13.7	15.6	17.7	18.9	20.7	21.4	22.4	22.8
Korea DPR	61.5	61.9	59.0	59.1	59.5	59.7	59.7	59.7	60.1	60.1
Korea Rep	8.3	9.1	10.6	13.5	16.2	17.4	18.9	20.4	21.4	23.3
Kyrgyzstan	85.3	85.4	85.3	85.3	85.3	75.1	77.3	77.3	78.2	79.2
Lao PDR	74.8	75.7	77.0	79.4	83.2	84.7	85.6	85.8	86.3	88.5
Malaysia	23.6	21.0	22.1	21.8	24.1	23.2	23.8	24.5	25.7	25.7
Maldives	4.0	5.4	3.3	5.5	7.1	7.3	9.2	9.7	11.7	12.6
Mongolia	9.0	14.5	18.9	19.9	18.9	18.4	18.4	18.6	20.4	16.6
Myanmar	64.8	58.1	53.8	52.6	44.5	49.5	49.1	49.1	49.3	49.5
Nepal	94.0	94.8	95.4	95.8	96.2	97.5	97.7	98.1	98.5	98.7
Pakistan	33.5	29.1	32.8	31.4	32.1	32.0	32.4	33.4	34.8	34.8
Philippines	28.4	28.3	27.8	26.6	26.8	26.8	26.7	27.3	30.1	31.2
Singapore	2.0	2.1	2.4	3.5	4.1	5.4	6.9	9.1	11.9	13.5
Sri Lanka	48.5	49.8	51.6	51.5	53.0	57.6	61.4	59.7	64.8	69.5
Tajikistan	87.3	87.3	87.4	88.8	88.8	88.8	88.9	88.9	88.9	89.1
Thailand	21.8	20.7	21.8	22.3	22.1	22.4	21.5	21.4	20.8	25.6
Timor Leste	0.5	0.4	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.4
Turkmenistan	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Uzbekistan	13.3	12.9	13.5	12.0	12.2	12.5	13.8	17.2	27.5	36.1
Viet Nam	43.8	41.7	41.1	47.7	55.8	56.2	56.7	57.6	57.9	57.8
C America + Carib	**32.6**	**34.1**	**34.9**	**35.5**	**35.7**	**37.2**	**38.1**	**38.7**	**39.0**	**40.3**
Anguilla	7.7	7.7	4.7	6.1	6.1	6.1	6.1	6.1	6.1	6.1
Antigua Barb	4.2	5.1	10.7	9.8	14.6	19.2	19.2	12.4	12.4	12.4
Aruba	13.5	13.5	15.3	14.8	14.8	14.8	17.2	17.2	16.3	12.9
Bahamas	0.6	0.5	0.6	0.7	0.7	1.2	1.7	1.7	2.4	2.4
Barbados	5.4	5.9	6.1	11.2	15.7	19.5	19.2	19.2	19.2	19.2
Belize	46.2	48.5	48.6	50.1	50.1	50.1	50.1	50.1	39.9	39.9
BES Islands	32.5	36.0	37.6	39.0	32.5	32.5	32.5	42.6	47.0	45.4
Br Virgin Is	3.0	2.2	2.2	2.8	3.1	3.5	3.5	5.0	5.0	2.4
Cayman Is	1.5	4.5	5.5	6.1	6.9	7.3	7.1	7.1	6.8	7.7
Costa Rica	83.6	83.9	84.3	86.9	86.8	88.2	89.2	89.3	85.9	86.0
Cuba	8.1	9.2	10.1	9.3	11.6	12.0	12.6	12.0	13.4	17.4
Curacao	18.0	26.1	26.4	22.5	22.8	22.8	22.8	22.9	29.2	25.7
Dominica	27.2	27.2	26.3	26.3	25.0	25.0	27.6	31.7	32.7	32.7
Dominican Rep	20.9	22.5	23.1	25.8	26.4	28.3	31.2	33.9	37.4	38.9
El Salvador	56.2	60.3	62.3	65.9	67.4	68.5	59.7	61.5	62.6	62.6
Grenada	4.2	4.3	4.8	5.8	6.6	6.3	6.3	6.4	5.5	5.2
Guadeloupe	26.3	28.0	30.3	32.2	37.2	38.5	39.3	39.5	39.6	39.9
Guatemala	61.7	65.9	69.5	69.7	69.6	70.6	70.6	70.7	70.7	70.7
Haiti	13.2	13.3	17.2	17.2	17.2	17.2	16.9	17.0	17.0	17.9
Honduras	59.9	61.3	61.9	62.8	64.5	64.7	63.7	63.6	59.4	57.1
Jamaica	15.9	17.8	17.5	18.1	16.4	16.4	16.5	16.6	16.8	16.7
Martinique	14.3	14.6	21.4	24.4	24.7	26.2	27.9	28.7	30.0	30.9
Montserrat				3.5	3.5	12.6	12.6	10.2	8.9	8.9
Nicaragua	47.3	45.4	45.4	45.1	45.1	45.3	45.8	45.9	46.4	46.4
Panama	62.3	62.2	58.8	59.7	56.4	65.1	67.6	66.7	67.4	60.4
Puerto Rico	7.8	8.7	8.8	9.0	9.7	11.3	13.3	17.1	16.6	21.2
St Barth	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	3.0	3.0
St Kitts Nevis	5.8	5.5	5.6	5.6	6.9	6.9	6.6	6.6	7.7	7.7
St Lucia	1.2	1.2	4.4	4.6	4.7	4.7	4.7	4.8	5.5	6.1
St Maarten							0.1	0.1	0.1	0.1
St Martin	3.1	0.2	0.2	0.9	1.7	1.7	3.2	3.6	3.6	23.2
St Vincent Gren	15.2	17.0	19.2	22.6	18.2	18.1	17.6	19.5	19.5	19.5
Trinidad Tobago	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	4.5
Turks Caicos	0.0	0.2	0.5	1.0	1.0	2.8	3.5	3.7	3.4	3.9
US Virgin Is	2.9	2.1	3.0	3.0	3.0	3.0	3.0	3.0	8.5	12.7
Eurasia	**26.8**	**27.5**	**28.2**	**28.9**	**30.2**	**31.3**	**31.8**	**33.5**	**34.5**	**35.8**
Armenia	36.9	37.2	37.8	37.9	38.5	37.1	38.5	44.1	45.2	47.8
Azerbaijan	15.0	15.0	16.3	16.9	17.0	16.5	16.6	20.3	21.3	18.8
Georgia	77.5	77.2	77.8	78.2	73.8	74.1	74.3	74.8	75.0	76.5
Russian Fed	20.7	20.7	20.6	21.0	21.6	22.1	22.3	22.9	22.5	22.6
Türkiye	43.9	45.5	47.7	48.6	51.3	53.3	53.9	56.9	59.4	62.1

Renewable energy share of electricity capacity
Part d'énergie renouvelable dans la puissance installée
Porcentaje de energía renovable en la capacidad instalada

CAP (%MW)	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
Europe	**42.9**	**44.4**	**45.4**	**47.8**	**49.7**	**51.6**	**53.9**	**56.7**	**60.5**	**62.8**
Albania	95.1	95.4	95.6	95.7	96.1	96.3	96.4	96.5	97.1	97.3
Andorra	96.2	96.8	96.8	96.8	96.8	96.8	96.9	97.0	97.1	97.3
Austria	76.7	78.6	79.5	80.2	80.1	76.7	79.8	83.3	84.8	85.6
Belarus	2.2	2.9	3.8	4.1	4.8	4.3	5.5	4.8	4.3	4.3
Belgium	31.2	33.5	36.4	39.5	43.6	45.0	48.9	54.1	55.7	60.7
Bosnia Herzg	40.8	40.6	41.6	42.2	42.5	43.5	44.1	45.4	50.7	51.4
Bulgaria	38.6	39.5	38.1	38.5	39.7	40.4	38.2	43.1	49.0	52.9
Croatia	57.6	58.7	59.5	65.1	69.8	71.6	72.1	74.0	80.4	80.0
Cyprus	14.3	15.5	16.1	17.7	21.1	24.5	28.5	33.4	38.0	41.0
Czechia	19.1	19.2	19.1	19.8	20.6	21.4	22.3	25.0	27.4	29.1
Denmark	52.1	57.2	59.4	61.3	63.8	67.1	68.9	69.8	71.8	73.4
Estonia	23.6	24.2	21.6	26.1	30.3	42.0	44.8	51.1	74.9	78.3
Faroe Islands	46.3	46.3	44.8	40.4	36.0	35.9	43.8	48.3	48.8	48.8
Finland	40.9	43.3	43.7	44.6	49.8	52.1	62.0	62.4	66.8	69.0
France	33.6	35.5	37.2	38.6	40.0	41.7	43.2	45.7	48.1	50.3
Germany	50.2	52.3	52.0	54.0	56.3	57.3	58.4	62.3	67.4	71.0
Greece	44.0	44.6	45.9	48.2	52.2	56.3	56.4	60.1	62.1	67.2
Hungary	12.0	13.8	17.5	22.9	28.2	33.7	40.5	50.3	55.8	58.7
Iceland	95.8	95.9	96.1	96.1	96.1	95.8	95.8	97.5	97.5	97.5
Ireland	31.0	34.6	36.9	40.8	42.4	42.7	44.2	47.3	52.7	56.7
Italy	44.8	45.5	46.0	46.6	47.5	48.4	49.4	49.8	51.9	53.0
Kosovo*	8.2	8.6	8.6	9.1	10.7	10.9	13.0	13.0	17.2	17.2
Latvia	60.7	61.1	61.4	62.1	62.0	62.0	63.9	67.8	70.9	72.0
Lithuania	20.9	23.7	25.1	26.0	28.5	34.2	43.0	53.2	64.8	71.2
Luxembourg	17.6	18.6	18.9	21.7	23.8	26.8	29.2	34.5	39.2	45.3
Malta	16.9	16.1	18.5	20.9	23.8	25.3	30.0	32.2	28.6	29.6
Moldova Rep	2.3	2.7	3.5	3.6	3.8	4.9	8.0	12.5	17.6	25.9
Montenegro	74.8	76.8	76.9	77.9	78.4	78.4	78.4	78.7	79.8	80.4
Netherlands	21.7	24.1	28.3	34.1	43.4	49.0	52.3	58.4	60.8	61.6
North Macedonia	39.4	40.3	40.5	40.6	41.3	37.7	40.9	50.6	55.8	58.8
Norway	97.0	97.0	97.1	97.2	97.6	97.8	98.2	98.8	98.8	98.8
Poland	20.7	18.6	19.2	21.3	24.4	30.7	39.1	45.1	49.6	52.3
Portugal	64.1	64.8	65.0	65.5	65.8	70.9	75.9	77.4	79.1	80.1
Romania	47.6	47.5	47.6	53.7	54.3	59.5	60.2	64.7	67.7	72.2
Serbia	33.7	33.5	35.3	36.5	36.6	36.8	36.8	38.2	38.3	40.9
Slovakia	31.0	31.1	30.6	31.5	30.8	32.1	32.6	32.2	33.3	35.7
Slovenia	39.9	40.9	38.8	39.5	41.0	41.8	43.8	47.6	51.2	55.4
Spain	45.1	46.2	46.5	49.8	52.9	55.9	60.5	62.5	65.0	67.6
Sweden	69.0	70.8	70.8	72.8	71.3	75.3	77.0	78.6	77.4	78.4
Switzerland	78.1	79.0	79.3	79.6	80.0	81.8	83.2	83.4	84.4	85.1
UK	36.3	38.8	41.3	45.3	46.8	47.9	50.5	53.4	57.3	58.8
Ukraine	10.7	12.2	14.2	21.7	23.8	25.2	25.2	24.8	27.4	27.4
European Union	**43.2**	**44.6**	**45.3**	**47.4**	**49.4**	**51.6**	**54.2**	**57.3**	**60.4**	**63.0**
Middle East	**5.5**	**5.6**	**6.0**	**6.7**	**7.1**	**7.6**	**8.9**	**10.4**	**11.7**	**14.3**
Bahrain	0.1	0.1	0.1	0.1	0.1	0.2	0.5	0.6	0.7	1.1
Iran IR	14.1	14.4	14.3	14.3	14.0	13.8	13.8	13.5	13.5	14.3
Iraq	7.2	6.1	5.9	5.9	5.5	5.3	5.1	4.8	4.7	4.6
Israel	5.5	5.9	7.8	11.3	13.5	17.1	21.7	24.9	25.2	28.3
Jordan	12.0	14.7	20.2	24.5	34.3	38.2	38.3	37.3	39.0	39.0
Kuwait	0.1	0.1	0.2	0.5	0.5	0.5	0.6	0.6	0.6	0.6
Lebanon	8.7	8.9	9.3	9.8	10.2	14.5	29.5	33.1	33.1	39.3
Oman	0.0	0.1	0.3	0.7	1.5	1.7	6.1	6.2	6.2	13.7
Palestine	13.9	18.4	20.5	34.2	42.6	52.9	54.7	92.9	93.8	93.9
Qatar	0.3	0.2	0.2	0.2	0.2	0.2	7.2	7.2	7.2	13.8
Saudi Arabia	0.0	0.0	0.1	0.1	0.5	0.5	0.9	3.1	6.9	12.2
Syrian AR	16.0	15.4	14.9	14.9	14.9	15.1	17.3	22.6	29.3	33.6
United Arab Em	0.5	1.1	1.9	5.8	6.6	8.3	9.3	13.9	14.3	15.3
Yemen	5.0	6.4	14.3	13.6	13.6	12.9	13.1	14.0	18.8	20.7
N America	**25.4**	**26.3**	**27.0**	**28.5**	**30.3**	**32.2**	**33.4**	**34.8**	**36.8**	**38.4**
Canada	66.4	66.8	67.3	67.4	67.1	69.1	70.2	70.0	70.7	70.9
Greenland	48.8	48.8	48.8	48.8	48.9	48.9	48.9	48.9	49.0	49.0
Mexico	26.1	26.3	24.4	28.9	30.1	31.1	27.3	27.9	28.5	28.6
USA	19.8	20.9	21.9	23.3	25.5	27.6	29.4	31.1	33.5	35.5

Renewable energy share of electricity capacity
Part d'énergie renouvelable dans la puissance installée
Porcentaje de energía renovable en la capacidad instalada

CAP (%MW)	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
Oceania	**31.6**	**34.3**	**37.9**	**41.8**	**44.9**	**47.4**	**50.1**	**51.4**	**54.2**	**56.8**
Amer Samoa	10.6	9.7	11.5	10.8	10.8	10.8	13.2	13.2	12.9	11.4
Australia	25.9	29.1	33.6	38.3	42.2	45.0	48.1	49.6	52.5	55.4
Cook Is	14.1	14.1	20.8	23.3	23.3	23.3	23.3	23.1	23.1	23.1
Fiji	56.8	58.5	58.6	55.7	55.8	56.7	56.7	56.8	48.9	49.0
Fr Polynesia	27.4	28.2	29.0	30.0	30.8	30.4	31.9	32.1	37.5	37.6
Guam	7.4	6.9	7.3	8.7	9.0	9.3	20.0	20.0	19.3	14.1
Kiribati	18.7	18.7	21.9	21.9	21.9	21.9	21.7	38.5	38.5	38.5
Marshall Is	5.4	5.5	5.6	5.6	5.6	5.6	5.8	6.2	7.9	7.5
Micronesia	13.3	12.3	14.1	14.8	18.4	18.4	18.4	18.4	18.0	18.0
Nauru	5.7	4.1	4.7	9.3	9.3	10.9	11.8	11.8	11.8	27.9
New Caledon	13.4	14.9	17.8	21.2	23.0	26.5	25.6	25.9	35.1	35.4
New Zealand	77.6	77.7	77.8	77.8	77.1	77.7	79.9	78.4	79.7	80.1
Niue	14.1	14.1	14.1	31.1	31.1	31.1	31.1	31.1	43.5	43.5
Palau	7.1	7.1	8.4	8.2	8.8	12.6	12.6	39.4	39.7	43.4
Papua N Guin	33.5	32.5	32.5	32.2	30.8	29.6	29.7	33.7	33.8	34.4
Samoa	28.8	33.5	35.4	38.4	38.9	39.0	40.8	40.8	40.8	40.8
Solomon Is	6.4	6.7	6.5	6.3	6.3	6.3	9.2	11.4	11.6	14.6
Tokelau	87.6	87.6	87.6	87.8	87.8	87.8	87.8	87.8	87.8	87.8
Tonga	22.8	30.4	31.3	35.3	35.3	31.7	47.3	48.4	46.3	46.7
Tuvalu	53.7	53.8	53.8	53.8	54.3	54.3	54.3	55.0	59.2	59.2
Vanuatu	28.8	30.0	35.5	34.7	34.1	34.1	33.7	34.5	35.0	35.5
S America	**65.8**	**65.7**	**65.8**	**66.5**	**66.5**	**67.5**	**69.4**	**71.3**	**72.7**	**73.6**
Argentina	30.7	29.1	29.3	31.2	32.9	34.4	34.6	35.2	35.0	36.6
Bolivia	29.9	31.7	37.1	37.3	30.5	31.6	41.2	32.8	32.6	33.5
Brazil	81.9	82.2	83.5	83.3	83.0	83.3	85.0	86.1	87.1	87.2
Chile	37.9	38.9	40.5	41.8	43.0	46.8	52.1	60.7	63.3	65.8
Colombia	70.0	70.0	68.8	69.8	69.5	69.5	70.9	69.4	70.4	71.2
Ecuador	56.4	58.6	60.8	60.8	60.8	60.7	61.1	61.2	59.1	57.1
Falklands Malv	30.8	30.8	30.8	30.8	19.9	19.9	19.9	19.9	20.0	20.0
Fr Guiana	48.1	48.1	48.1	48.1	47.7	48.9	49.1	50.6	51.1	51.1
Guyana	15.4	15.6	16.3	16.6	16.7	14.6	15.8	17.1	17.7	21.6
Paraguay	100.0	100.0	100.0	99.7	99.7	99.7	99.7	99.7	99.7	99.7
Peru	40.5	40.9	41.7	42.7	42.8	43.0	42.5	44.8	45.4	48.8
South Georgia	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	67.6	67.6
Suriname	28.4	28.4	28.5	28.5	28.5	26.9	27.2	27.3	27.5	27.8
Uruguay	83.4	81.8	75.8	76.0	76.0	76.1	76.1	77.7	77.8	77.8
Venezuela	48.8	48.6	46.4	47.6	47.6	47.8	47.8	47.5	47.5	47.5



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