

**Table 34**

## **Electricity supply and consumption**

Gigawatt-hours and kilowatt-hours per capita

### **Table Notes**

**Supply** is calculated as **Production** plus **Imports** minus **Exports**.

**EIOU and losses** refers to energy industries own use of electricity, including for pumped storage, and losses.

**Total Final Consumption (TFC)** refers to final energy consumption of electricity.

Figures may not add up due to statistical differences, or for some countries quantities transformed into heat in heat pumps and/or electric boilers

Please refer to the Definitions Section on pages ix to xv for the appropriate product description /classification, and xvi to xvii for the descriptions of relevant flows.

## Electricity supply and consumption

Gigawatt-hours and kilowatt-hours per capita

| Country or area      | Year | Production | Imports | Exports | Supply     |            | Consumption |            |
|----------------------|------|------------|---------|---------|------------|------------|-------------|------------|
|                      |      |            |         |         | Total      | Per capita | EIOU+losses | TFC        |
| World                | 2020 | 26,921,090 | 782,160 | 753,008 | 26,950,242 | 3,417      | 3,779,506   | 23,213,137 |
|                      | 2021 | 28,398,501 | 814,943 | 778,535 | 28,434,909 | 3,575      | 3,953,644   | 24,487,124 |
|                      | 2022 | 29,180,327 | 834,330 | 825,470 | 29,189,186 | 3,639      | 3,910,541   | 25,216,470 |
|                      | 2023 | 29,921,215 | 856,601 | 812,858 | 29,964,958 | 3,703      | 4,046,316   | 25,539,798 |
| Africa               | 2020 | 855,142    | 38,965  | 39,244  | 854,863    | 620        | 180,714     | 688,143    |
|                      | 2021 | 888,766    | 38,563  | 39,986  | 887,344    | 628        | 184,713     | 705,410    |
|                      | 2022 | 909,473    | 42,760  | 40,519  | 911,714    | 631        | 186,018     | 733,605    |
|                      | 2023 | 912,032    | 41,026  | 38,046  | 915,012    | 619        | 191,726     | 733,005    |
| Algeria              | 2020 | 79,155     | 513     | 574     | 79,094     | 1,796      | 20,197      | 58,898     |
|                      | 2021 | 85,391     | 379     | 1,529   | 84,241     | 1,882      | 20,798      | 63,442     |
|                      | 2022 | 91,231     | 181     | 2,753   | 88,659     | 1,950      | 21,143      | 67,516     |
|                      | 2023 | 95,627     | 80      | 2,521   | 93,186     | 2,019      | 21,800      | 71,386     |
| Angola               | 2020 | 14,488     | 60      | ..      | 14,547     | 435        | *2,258      | *12,289    |
|                      | 2021 | 14,741     | 59      | ..      | 14,799     | 429        | *2,214      | *12,585    |
|                      | 2022 | 15,983     | 31      | ..      | 16,014     | 449        | *2,196      | *13,818    |
|                      | 2023 | 15,701     | ..      | ..      | 15,701     | 427        | 2,156       | 13,545     |
| Benin                | 2020 | 989        | 574     | 2       | 1,561      | 119        | 346         | 1,205      |
|                      | 2021 | 1,127      | 694     | 2       | 1,819      | 136        | 394         | 1,409      |
|                      | 2022 | 1,002      | 834     | 2       | 1,834      | 133        | 385         | 1,480      |
|                      | 2023 | 783        | 1,297   | 2       | 2,078      | 147        | 470         | 1,554      |
| Botswana             | 2020 | 2,182      | 2,087   | 42      | 4,227      | 1,787      | 947         | 3,861      |
|                      | 2021 | 2,409      | 1,662   | 2       | 4,069      | 1,694      | 870         | 3,762      |
|                      | 2022 | 2,548      | 1,798   | 15      | 4,331      | 1,775      | 941         | 3,947      |
|                      | 2023 | 3,095      | 1,641   | 131     | 4,604      | 1,856      | 1,134       | 3,525      |
| Burkina Faso         | 2020 | *1,442     | 1,486   | ..      | 2,928      | 136        | *315        | *2,556     |
|                      | 2021 | 1,672      | 1,381   | ..      | 3,053      | 139        | *323        | *2,668     |
|                      | 2022 | *1,532     | 1,492   | ..      | *3,024     | *134       | *329        | *2,695     |
|                      | 2023 | 1,659      | 1,582   | ..      | 3,241      | 141        | *344        | *2,896     |
| Burundi              | 2020 | 276        | *89     | ..      | 365        | 29         | *71         | *294       |
|                      | 2021 | 262        | *101    | ..      | 363        | 28         | *69         | *295       |
|                      | 2022 | 305        | *100    | ..      | 405        | 30         | *74         | *331       |
|                      | 2023 | 332        | *90     | ..      | 422        | 31         | *75         | *347       |
| Cabo Verde           | 2020 | 454        | ..      | ..      | 454        | 882        | 122         | *331       |
|                      | 2021 | 475        | ..      | ..      | 475        | 919        | 124         | *350       |
|                      | 2022 | 544        | ..      | ..      | 544        | 1,046      | 126         | *417       |
|                      | 2023 | 574        | ..      | ..      | 574        | 1,098      | 129         | *445       |
| Cameroon             | 2020 | 8,653      | 58      | ..      | 8,711      | 332        | 2,154       | 6,627      |
|                      | 2021 | 8,255      | 65      | ..      | 8,320      | 309        | 2,055       | 6,323      |
|                      | 2022 | 7,821      | 57      | ..      | 7,878      | 285        | 1,947       | 5,991      |
|                      | 2023 | 8,148      | 57      | ..      | 8,205      | 289        | 2,029       | 6,241      |
| Central African Rep. | 2020 | 141        | ..      | ..      | 141        | 28         | 36          | 99         |
|                      | 2021 | 141        | ..      | ..      | 141        | 28         | 36          | 99         |
|                      | 2022 | 155        | ..      | ..      | 155        | 30         | 38          | 109        |
|                      | 2023 | *170       | ..      | ..      | *170       | *33        | *43         | *120       |
| Chad                 | 2020 | 337        | ..      | ..      | 337        | 20         | *75         | *259       |
|                      | 2021 | 338        | ..      | ..      | 338        | 19         | *78         | *256       |
|                      | 2022 | *338       | ..      | ..      | *338       | *18        | *73         | *262       |
|                      | 2023 | *338       | ..      | ..      | *338       | *17        | *73         | *265       |
| Comoros              | 2020 | *130       | ..      | ..      | *130       | *162       | *33         | *98        |
|                      | 2021 | *136       | ..      | ..      | *136       | *166       | *34         | *102       |
|                      | 2022 | *139       | ..      | ..      | *139       | *167       | *36         | *103       |
|                      | 2023 | *149       | ..      | ..      | *149       | *175       | *38         | *111       |

Table 34

## Electricity supply and consumption

Gigawatt-hours and kilowatt-hours per capita

| Country or area        | Year | Production | Imports | Exports | Supply  |            | Consumption |         |
|------------------------|------|------------|---------|---------|---------|------------|-------------|---------|
|                        |      |            |         |         | Total   | Per capita | EIOU+losses | TFC     |
| Congo                  | 2020 | 3,265      | 18      | 16      | 3,267   | 568        | 1,848       | 1,552   |
|                        | 2021 | 3,401      | 26      | 49      | 3,377   | 573        | 1,863       | 1,583   |
|                        | 2022 | 3,572      | 11      | 227     | 3,357   | 556        | 1,910       | 1,776   |
|                        | 2023 | 3,482      | 21      | 72      | 3,431   | 555        | 1,728       | 1,858   |
| Côte d'Ivoire          | 2020 | 11,283     | 152     | 1,333   | 10,102  | 349        | 1,994       | 8,143   |
|                        | 2021 | 11,589     | 199     | 889     | 10,899  | 368        | 2,046       | 9,016   |
|                        | 2022 | 12,326     | 267     | 971     | 11,622  | 382        | 1,788       | 9,916   |
|                        | 2023 | 13,596     | 269     | 977     | 12,888  | 414        | 2,062       | 10,883  |
| Dem. Rep. of the Congo | 2020 | 12,460     | 1,189   | 50      | 13,599  | 142        | 1,152       | *12,166 |
|                        | 2021 | 13,135     | 1,189   | 50      | 14,274  | 144        | 2,072       | *12,166 |
|                        | 2022 | 13,200     | 1,164   | 50      | 14,314  | 140        | 1,372       | *12,942 |
|                        | 2023 | 13,322     | 1,497   | 59      | 14,760  | 140        | 1,394       | 12,344  |
| Djibouti               | 2020 | 102        | 502     | ..      | 604     | 546        | *86         | *518    |
|                        | 2021 | 196        | 529     | ..      | 725     | 646        | *114        | *611    |
|                        | 2022 | 151        | 616     | ..      | 767     | 675        | *89         | *678    |
|                        | 2023 | 244        | 567     | ..      | 811     | 703        | *93         | *718    |
| Egypt                  | 2020 | 197,201    | 95      | 885     | 196,411 | 1,797      | 39,036      | 157,435 |
|                        | 2021 | 204,637    | 176     | 1,643   | 203,169 | 1,831      | 37,994      | 158,046 |
|                        | 2022 | 214,050    | 95      | 1,589   | 212,556 | 1,887      | *40,201     | 172,355 |
|                        | 2023 | 216,251    | 94      | 1,437   | 214,908 | 1,876      | *45,114     | 169,794 |
| Equatorial Guinea      | 2020 | 1,082      | ..      | ..      | 1,082   | 630        | *183        | *936    |
|                        | 2021 | 1,077      | ..      | ..      | 1,077   | 612        | *183        | *932    |
|                        | 2022 | 1,090      | ..      | ..      | 1,090   | 604        | *189        | *943    |
|                        | 2023 | 1,008      | ..      | ..      | 1,008   | 546        | *181        | *873    |
| Eritrea                | 2020 | 412        | ..      | ..      | 412     | 125        | 68          | 345     |
|                        | 2021 | 439        | ..      | ..      | 439     | 131        | 72          | 367     |
|                        | 2022 | 461        | ..      | ..      | 461     | 135        | 75          | 385     |
|                        | 2023 | 485        | ..      | ..      | 485     | 140        | 80          | 406     |
| Eswatini               | 2020 | 543        | 1,044   | ..      | 1,587   | 1,331      | 240         | 1,406   |
|                        | 2021 | 652        | 914     | ..      | 1,567   | 1,299      | 156         | 1,532   |
|                        | 2022 | 653        | 902     | ..      | 1,555   | 1,276      | 176         | 1,361   |
|                        | 2023 | 708        | 924     | ..      | 1,632   | 1,326      | 190         | 1,454   |
| Ethiopia               | 2020 | 15,823     | ..      | 1,637   | 14,186  | 119        | 3,138       | 11,016  |
|                        | 2021 | 15,503     | ..      | 1,665   | 13,838  | 113        | 3,649       | 10,231  |
|                        | 2022 | 17,346     | ..      | 1,750   | 15,596  | 124        | 4,068       | 11,208  |
|                        | 2023 | 20,526     | ..      | 1,780   | 18,746  | 146        | 4,330       | 14,094  |
| Gabon                  | 2020 | 3,013      | ..      | ..      | 3,013   | 1,297      | 686         | 2,270   |
|                        | 2021 | 3,116      | ..      | ..      | 3,116   | 1,311      | 705         | 2,312   |
|                        | 2022 | 3,300      | ..      | ..      | 3,300   | 1,357      | 780         | 2,398   |
|                        | 2023 | 3,139      | ..      | ..      | 3,139   | 1,263      | 716         | 2,410   |
| Gambia                 | 2020 | 485        | ..      | ..      | 485     | 193        | *160        | *325    |
|                        | 2021 | 516        | ..      | ..      | 516     | 201        | *178        | *338    |
|                        | 2022 | 592        | ..      | ..      | 592     | 225        | *208        | *384    |
|                        | 2023 | 686        | ..      | ..      | 686     | 254        | 253         | *433    |
| Ghana                  | 2020 | 20,171     | 58      | 1,801   | 18,428  | 578        | 1,286       | 16,531  |
|                        | 2021 | 22,051     | 44      | 1,734   | 20,360  | 626        | 2,293       | 18,067  |
|                        | 2022 | 23,163     | 37      | 2,215   | 20,986  | 633        | 3,470       | 17,516  |
|                        | 2023 | 24,264     | 79      | 2,528   | 21,815  | 646        | 3,097       | 18,849  |
| Guinea                 | 2020 | 2,420      | ..      | ..      | 2,420   | 181        | *368        | *2,051  |
|                        | 2021 | 3,036      | ..      | ..      | 3,036   | 221        | *501        | *2,535  |
|                        | 2022 | 3,263      | ..      | ..      | 3,263   | 232        | *508        | *2,755  |
|                        | 2023 | *3,260     | ..      | ..      | *3,260  | *226       | *515        | *2,750  |

## Electricity supply and consumption

Gigawatt-hours and kilowatt-hours per capita

| Country or area | Year | Production | Imports | Exports | Supply |            | Consumption |        |
|-----------------|------|------------|---------|---------|--------|------------|-------------|--------|
|                 |      |            |         |         | Total  | Per capita | EIOU+losses | TFC    |
| Guinea-Bissau   | 2020 | *184       | ..      | ..      | *184   | *91        | *21         | *163   |
|                 | 2021 | *202       | ..      | ..      | *202   | *98        | *22         | *180   |
|                 | 2022 | *196       | ..      | ..      | *196   | *93        | 23          | *174   |
|                 | 2023 | *196       | ..      | ..      | *196   | *91        | *22         | *174   |
| Kenya           | 2020 | 11,604     | 137     | 17      | 11,724 | 225        | 2,911       | 8,955  |
|                 | 2021 | 12,377     | 288     | 18      | 12,646 | 238        | 2,926       | 9,734  |
|                 | 2022 | 12,962     | 316     | 0       | 13,278 | 245        | 3,269       | 10,008 |
|                 | 2023 | 12,703     | 919     | 34      | 13,589 | 246        | 3,167       | 10,480 |
| Lesotho         | 2020 | 427        | 442     | 1       | 868    | 388        | *143        | 673    |
|                 | 2021 | 533        | 427     | 1       | 958    | 424        | 161         | 689    |
|                 | 2022 | 482        | 508     | 1       | 989    | 432        | 143         | 854    |
|                 | 2023 | 509        | 476     | 0       | 985    | 426        | 102         | 862    |
| Liberia         | 2020 | *296       | *20     | ..      | *316   | *61        | *87         | *229   |
|                 | 2021 | 303        | 20      | ..      | 323    | 61         | *82         | *241   |
|                 | 2022 | 381        | 12      | ..      | 393    | 73         | *99         | *294   |
|                 | 2023 | 460        | 139     | ..      | 599    | 109        | *133        | *466   |
| Libya           | 2020 | 29,499     | 1,259   | ..      | 30,758 | 4,366      | 6,785       | 23,973 |
|                 | 2021 | 34,786     | 784     | ..      | 35,570 | 4,985      | 7,885       | 27,684 |
|                 | 2022 | 35,106     | 719     | ..      | 35,826 | 4,959      | 7,973       | 27,852 |
|                 | 2023 | 33,747     | 792     | ..      | 34,539 | 4,728      | 7,680       | 26,859 |
| Madagascar      | 2020 | 2,167      | ..      | ..      | 2,167  | 75         | *170        | *1,997 |
|                 | 2021 | 2,245      | ..      | ..      | 2,245  | 76         | *165        | *2,080 |
|                 | 2022 | 2,274      | ..      | ..      | 2,274  | 75         | *166        | *2,108 |
|                 | 2023 | 2,299      | ..      | ..      | 2,299  | 74         | *168        | *2,131 |
| Malawi          | 2020 | 2,191      | 10      | 20      | 2,181  | 112        | 385         | 1,817  |
|                 | 2021 | 2,401      | 17      | 20      | 2,398  | 120        | 664         | 1,795  |
|                 | 2022 | 2,115      | 19      | 15      | 2,119  | 103        | 650         | 1,716  |
|                 | 2023 | *2,060     | ..      | *18     | *2,042 | *97        | *458        | *1,584 |
| Mali            | 2020 | 3,728      | 766     | 615     | 3,880  | 179        | *519        | 3,361  |
|                 | 2021 | *3,969     | 402     | 533     | *3,839 | *171       | *538        | 3,301  |
|                 | 2022 | *4,209     | 489     | *192    | *4,506 | *195       | *526        | 3,979  |
|                 | 2023 | *4,295     | *498    | *187    | *4,606 | *194       | *541        | 4,065  |
| Mauritania      | 2020 | 1,461      | *225    | ..      | 1,686  | 366        | *296        | 1,390  |
|                 | 2021 | 1,525      | *200    | ..      | 1,725  | 364        | *405        | 1,320  |
|                 | 2022 | 1,496      | 394     | ..      | 1,889  | 388        | *207        | 1,682  |
|                 | 2023 | 1,440      | *382    | ..      | 1,822  | 363        | *325        | *1,497 |
| Mauritius       | 2020 | 2,883      | ..      | ..      | 2,883  | 2,246      | 189         | 2,683  |
|                 | 2021 | 2,992      | ..      | ..      | 2,992  | 2,338      | 244         | 2,748  |
|                 | 2022 | 3,119      | ..      | ..      | 3,119  | 2,444      | 232         | 2,887  |
|                 | 2023 | 3,265      | ..      | ..      | 3,265  | 2,564      | *254        | 3,012  |
| Morocco         | 2020 | 40,057     | 856     | 624     | 40,289 | 1,101      | 7,386       | 32,903 |
|                 | 2021 | 42,562     | 688     | 851     | 42,399 | 1,147      | 7,860       | 34,539 |
|                 | 2022 | 42,723     | 1,868   | 471     | 44,119 | 1,182      | 8,101       | 36,018 |
|                 | 2023 | 43,711     | 2,311   | 462     | 45,561 | 1,208      | 8,218       | 37,342 |
| Mozambique      | 2020 | 19,148     | 8,114   | 11,489  | 15,773 | 512        | 3,553       | 12,220 |
|                 | 2021 | 18,996     | 8,129   | 11,174  | 15,951 | 503        | 3,266       | 12,685 |
|                 | 2022 | 19,627     | 8,247   | 11,457  | 16,418 | 503        | 3,423       | 12,995 |
|                 | 2023 | 19,781     | 7,918   | 11,392  | 16,308 | 485        | 3,713       | 13,181 |
| Namibia         | 2020 | 2,039      | 2,785   | 593     | 4,231  | 1,550      | *470        | *3,759 |
|                 | 2021 | 1,494      | 2,825   | 382     | 3,937  | 1,401      | *414        | *3,521 |
|                 | 2022 | 1,207      | 2,917   | 169     | 3,955  | 1,369      | *549        | 3,235  |
|                 | 2023 | 1,811      | 2,483   | 198     | 4,096  | 1,382      | *546        | 3,441  |

Table 34

## Electricity supply and consumption

Gigawatt-hours and kilowatt-hours per capita

| Country or area        | Year | Production | Imports | Exports | Supply   |            | Consumption |         |
|------------------------|------|------------|---------|---------|----------|------------|-------------|---------|
|                        |      |            |         |         | Total    | Per capita | EIOU+losses | TFC     |
| Niger                  | 2020 | 635        | 1,108   | ..      | 1,742    | 73         | 502         | 1,297   |
|                        | 2021 | *636       | 1,122   | ..      | 1,758    | 72         | *389        | 1,368   |
|                        | 2022 | *669       | 1,164   | ..      | 1,832    | 72         | *436        | 1,396   |
|                        | 2023 | 1,110      | 685     | ..      | 1,795    | 69         | 418         | 1,365   |
| Nigeria                | 2020 | 39,557     | ..      | 3,009   | 36,548   | 171        | 6,773       | 31,488  |
|                        | 2021 | 36,038     | ..      | 2,433   | 33,604   | 154        | 6,629       | 28,335  |
|                        | 2022 | 38,866     | ..      | 2,317   | 36,549   | 164        | 6,697       | 33,144  |
|                        | 2023 | 40,960     | ..      | 2,317   | 38,643   | 170        | 7,057       | 33,803  |
| Rwanda                 | 2020 | 925        | 30      | 6       | 949      | 73         | *219        | 693     |
|                        | 2021 | 1,038      | 32      | 9       | 1,061    | 79         | *248        | 788     |
|                        | 2022 | 1,116      | 39      | 9       | 1,146    | 84         | *234        | 926     |
|                        | 2023 | 1,231      | 135     | 11      | 1,356    | 97         | *235        | 1,058   |
| Sao Tome and Principe  | 2020 | *110       | ..      | ..      | *110     | *508       | 41          | *70     |
|                        | 2021 | *106       | ..      | ..      | *106     | *478       | 41          | *65     |
|                        | 2022 | *110       | ..      | ..      | *110     | *487       | 32          | *78     |
|                        | 2023 | *117       | ..      | ..      | *117     | *505       | *30         | *86     |
| Senegal                | 2020 | 5,804      | 356     | ..      | 6,160    | 367        | 978         | 4,585   |
|                        | 2021 | 6,380      | 315     | ..      | 6,695    | 389        | 1,067       | 5,400   |
|                        | 2022 | 7,550      | 486     | ..      | 8,035    | 455        | 1,030       | 6,789   |
|                        | 2023 | 7,908      | 540     | ..      | 8,449    | 467        | 1,083       | 7,139   |
| Seychelles             | 2020 | 535        | ..      | ..      | 535      | 4,446      | 53          | 482     |
|                        | 2021 | 536        | ..      | ..      | 536      | 4,356      | *53         | 483     |
|                        | 2022 | 550        | ..      | ..      | 550      | 4,386      | *54         | 497     |
|                        | 2023 | 569        | ..      | ..      | 569      | 4,444      | *57         | 511     |
| Sierra Leone           | 2020 | 422        | ..      | ..      | 422      | 53         | *117        | *305    |
|                        | 2021 | 467        | ..      | ..      | 467      | 58         | *129        | *338    |
|                        | 2022 | 495        | ..      | ..      | 495      | 60         | *153        | *342    |
|                        | 2023 | 493        | ..      | ..      | 493      | 58         | *153        | *340    |
| Somalia                | 2020 | 520        | ..      | ..      | 520      | 31         | *56         | *464    |
|                        | 2021 | 534        | ..      | ..      | 534      | 31         | *59         | *475    |
|                        | 2022 | *566       | ..      | ..      | *566     | *32        | *63         | *503    |
|                        | 2023 | *598       | ..      | ..      | *598     | *33        | *67         | *531    |
| South Africa           | 2020 | 239,521    | 9,829   | 13,647  | 235,703  | 3,892      | 57,260      | 191,107 |
|                        | 2021 | 244,381    | 10,137  | 13,705  | 240,813  | 3,915      | 55,366      | 193,072 |
|                        | 2022 | 234,850    | 10,761  | 12,270  | 233,341  | 3,741      | 51,661      | 186,258 |
|                        | 2023 | *223,049   | 8,223   | 9,343   | *221,929 | *3,511     | 51,061      | 178,513 |
| South Sudan            | 2020 | 558        | ..      | ..      | 558      | 52         | 38          | 507     |
|                        | 2021 | 566        | ..      | ..      | 566      | 52         | 38          | 524     |
|                        | 2022 | 538        | ..      | ..      | 538      | 49         | 36          | 514     |
|                        | 2023 | 719        | ..      | ..      | 719      | 63         | 35          | 679     |
| St. Helena and Depend. | 2020 | 11         | ..      | ..      | 11       | 2,010      | *2          | 9       |
|                        | 2021 | 11         | ..      | ..      | 11       | 2,000      | 2           | 9       |
|                        | 2022 | 10         | ..      | ..      | 10       | 1,957      | 2           | 8       |
|                        | 2023 | 11         | ..      | ..      | 11       | 2,018      | 2           | 9       |
| Sudan                  | 2020 | 17,648     | 1,318   | ..      | 18,967   | 405        | 3,373       | *15,593 |
|                        | 2021 | *16,781    | 993     | ..      | *17,774  | *370       | *3,896      | *13,877 |
|                        | 2022 | 16,771     | 882     | ..      | 17,653   | 357        | 4,392       | *13,261 |
|                        | 2023 | *14,387    | 649     | ..      | *15,037  | *300       | *4,454      | *10,583 |
| Togo                   | 2020 | 624        | 815     | ..      | 1,439    | 166        | 106         | 1,326   |
|                        | 2021 | 618        | 1,071   | ..      | 1,689    | 190        | 267         | 1,419   |
|                        | 2022 | 821        | 1,126   | ..      | 1,946    | 214        | 215         | 1,727   |
|                        | 2023 | 719        | 1,535   | ..      | 2,254    | 242        | 244         | 1,992   |

## Electricity supply and consumption

Gigawatt-hours and kilowatt-hours per capita

| Country or area         | Year        | Production        | Imports        | Exports        | Supply            |              | Consumption      |                   |
|-------------------------|-------------|-------------------|----------------|----------------|-------------------|--------------|------------------|-------------------|
|                         |             |                   |                |                | Total             | Per capita   | EIOU+losses      | TFC               |
| Tunisia                 | 2020        | 21,449            | 369            | 969            | 20,850            | 1,741        | 4,618            | 16,269            |
|                         | 2021        | 21,890            | 1,331          | 302            | 22,920            | 1,902        | 5,412            | 17,446            |
|                         | 2022        | 21,422            | 2,726          | 154            | 23,995            | 1,980        | 5,438            | 18,478            |
|                         | 2023        | 21,459            | 2,576          | 80             | 23,955            | 1,963        | 5,981            | 18,684            |
| Uganda                  | 2020        | 4,447             | 21             | 222            | 4,246             | 95           | 811              | 3,269             |
|                         | 2021        | *4,769            | 24             | 393            | *4,400            | *96          | 870              | 3,586             |
|                         | 2022        | 5,520             | 28             | 425            | 5,123             | 108          | 959              | 3,947             |
|                         | 2023        | 6,032             | 41             | 485            | 5,589             | 115          | 1,053            | 4,334             |
| United Rep. of Tanzania | 2020        | 8,276             | 114            | ..             | 8,391             | 138          | 1,979            | 6,506             |
|                         | 2021        | 9,164             | 129            | ..             | 9,293             | 148          | 2,182            | 7,207             |
|                         | 2022        | 10,159            | 152            | ..             | 10,311            | 159          | 2,852            | 7,648             |
|                         | 2023        | 10,581            | 190            | ..             | 10,771            | 162          | 2,755            | 8,187             |
| Zambia                  | 2020        | 15,237            | 130            | 1,340          | 14,028            | 736          | *2,525           | 11,504            |
|                         | 2021        | 17,718            | 18             | 2,152          | 15,584            | 795          | *2,753           | 12,831            |
|                         | 2022        | 19,783            | 18             | 3,073          | 16,728            | 830          | *2,950           | 13,778            |
|                         | 2023        | 19,448            | 294            | 3,661          | 16,081            | 776          | *2,548           | 13,750            |
| Zimbabwe                | 2020        | 6,673             | 2,337          | 355            | 8,655             | 557          | 1,552            | 7,336             |
|                         | 2021        | 8,454             | 2,194          | 450            | 10,199            | 646          | 1,854            | 8,645             |
|                         | 2022        | 9,016             | 2,304          | 395            | 10,925            | 680          | 1,332            | 9,219             |
|                         | 2023        | 8,818             | 2,041          | 353            | 10,506            | 643          | 1,125            | 9,049             |
| <b>Asia</b>             | <b>2020</b> | <b>14,511,587</b> | <b>148,302</b> | <b>112,780</b> | <b>14,547,109</b> | <b>3,103</b> | <b>1,772,579</b> | <b>12,795,348</b> |
|                         | <b>2021</b> | <b>15,552,804</b> | <b>161,293</b> | <b>115,041</b> | <b>15,599,057</b> | <b>3,306</b> | <b>1,867,067</b> | <b>13,749,491</b> |
|                         | <b>2022</b> | <b>16,283,503</b> | <b>153,162</b> | <b>127,568</b> | <b>16,309,097</b> | <b>3,435</b> | <b>1,869,401</b> | <b>14,368,194</b> |
|                         | <b>2023</b> | <b>17,097,122</b> | <b>189,933</b> | <b>127,199</b> | <b>17,159,856</b> | <b>3,591</b> | <b>1,942,339</b> | <b>14,819,567</b> |
| Afghanistan             | 2020        | 1,433             | 5,152          | ..             | 6,585             | 169          | *3,473           | 3,111             |
|                         | 2021        | 1,396             | 5,315          | ..             | 6,711             | 168          | *2,363           | 4,348             |
|                         | 2022        | 1,297             | 5,370          | ..             | 6,667             | 164          | *1,799           | 4,868             |
|                         | 2023        | 1,304             | 5,763          | ..             | 7,067             | 170          | *1,555           | 5,511             |
| Armenia                 | 2020        | 7,839             | 320            | 1,333          | 6,826             | 2,361        | 935              | 5,890             |
|                         | 2021        | 7,879             | 368            | 995            | 7,252             | 2,527        | 910              | 6,343             |
|                         | 2022        | 9,190             | 124            | 1,571          | 7,743             | 2,688        | 1,018            | 6,725             |
|                         | 2023        | 8,806             | 98             | 1,240          | 7,664             | 2,604        | 959              | 6,705             |
| Azerbaijan              | 2020        | 25,839            | 137            | 1,151          | 24,825            | 2,438        | 5,783            | 19,019            |
|                         | 2021        | 27,889            | 152            | 1,673          | 26,367            | 2,576        | 5,954            | 20,386            |
|                         | 2022        | 29,041            | 137            | 2,997          | 26,181            | 2,543        | 5,901            | 20,259            |
|                         | 2023        | 29,307            | 212            | 3,246          | 26,273            | 2,546        | 6,098            | 20,158            |
| Bahrain                 | 2020        | 34,769            | 681            | 954            | 34,496            | 23,260       | 2,999            | 31,752            |
|                         | 2021        | 35,444            | 522            | 388            | 35,579            | 23,691       | 2,455            | 33,842            |
|                         | 2022        | 36,954            | 449            | 584            | 36,818            | 24,010       | 2,789            | 34,444            |
|                         | 2023        | 38,183            | 802            | 780            | 38,205            | 24,340       | 2,915            | 35,461            |
| Bangladesh              | 2020        | 85,500            | 6,674          | ..             | 92,174            | 554          | 14,480           | 79,881            |
|                         | 2021        | 90,847            | 8,103          | ..             | 98,950            | 590          | 4,722            | 88,296            |
|                         | 2022        | 94,886            | 7,712          | ..             | 102,598           | 606          | 4,760            | 93,336            |
|                         | 2023        | 102,641           | 10,425         | ..             | 113,066           | 659          | 13,649           | 97,579            |
| Bhutan                  | 2020        | 11,371            | 82             | 9,260          | 2,193             | 2,849        | 241              | 1,961             |
|                         | 2021        | 11,371            | 98             | 8,076          | 3,393             | 4,376        | 267              | 2,455             |
|                         | 2022        | 10,961            | 204            | 7,240          | 3,924             | 5,026        | 298              | 2,467             |
|                         | 2023        | 10,516            | 622            | 5,144          | 5,994             | 7,622        | 223              | 3,712             |
| Brunei Darussalam       | 2020        | 5,736             | ..             | ..             | 5,736             | 12,820       | 972              | 4,732             |
|                         | 2021        | 5,700             | ..             | ..             | 5,700             | 12,618       | 1,017            | 4,797             |
|                         | 2022        | 5,602             | ..             | ..             | 5,602             | 12,303       | 979              | 4,553             |
|                         | 2023        | 5,611             | ..             | ..             | 5,611             | 12,226       | 1,186            | 4,466             |

Table 34

## Electricity supply and consumption

Gigawatt-hours and kilowatt-hours per capita

| Country or area        | Year | Production | Imports | Exports | Supply     |            | Consumption |            |
|------------------------|------|------------|---------|---------|------------|------------|-------------|------------|
|                        |      |            |         |         | Total      | Per capita | EIOU+losses | TFC        |
| Cambodia               | 2020 | 9,097      | 3,820   | ..      | 12,917     | 772        | 1,529       | 11,304     |
|                        | 2021 | 10,214     | 3,385   | ..      | 13,599     | 801        | 1,681       | 11,816     |
|                        | 2022 | 10,650     | 4,799   | ..      | 15,449     | 898        | 1,897       | 13,423     |
|                        | 2023 | 14,561     | 3,373   | ..      | 17,934     | 1,029      | 2,200       | 15,582     |
| China                  | 2020 | 7,779,060  | 4,751   | 21,793  | 7,762,017  | 5,443      | 605,844     | 7,156,173  |
|                        | 2021 | 8,534,248  | 5,938   | 20,176  | 8,520,010  | 5,973      | 643,815     | 7,876,195  |
|                        | 2022 | 8,848,712  | 7,138   | 20,088  | 8,835,762  | 6,200      | 636,189     | 8,199,573  |
|                        | 2023 | 9,456,442  | 5,024   | 22,104  | 9,439,362  | 6,635      | 666,573     | 8,772,747  |
| China, Hong Kong SAR   | 2020 | 35,189     | 12,699  | ..      | 47,888     | 6,393      | 3,687       | 44,201     |
|                        | 2021 | 37,071     | 12,555  | ..      | 49,626     | 6,630      | 3,812       | 45,813     |
|                        | 2022 | 36,186     | 12,348  | ..      | 48,534     | 6,501      | 3,674       | 44,861     |
|                        | 2023 | 37,634     | 11,593  | ..      | 49,227     | 6,614      | 3,684       | 45,544     |
| China, Macao SAR       | 2020 | 562        | 4,853   | ..      | 5,415      | 7,927      | 223         | 5,192      |
|                        | 2021 | 496        | 5,192   | ..      | 5,688      | 8,191      | 234         | 5,454      |
|                        | 2022 | 609        | 4,874   | ..      | 5,483      | 7,784      | 230         | 5,252      |
|                        | 2023 | 654        | 5,327   | ..      | 5,981      | 8,378      | 240         | 5,740      |
| Cyprus                 | 2020 | 4,849      | ..      | ..      | 4,849      | 3,724      | 446         | 4,377      |
|                        | 2021 | 5,119      | ..      | ..      | 5,119      | 3,886      | 469         | 4,650      |
|                        | 2022 | 5,268      | ..      | ..      | 5,268      | 3,957      | 393         | 4,859      |
|                        | 2023 | 5,329      | ..      | ..      | 5,329      | 3,962      | 410         | 4,902      |
| Georgia                | 2020 | 11,160     | 1,712   | 256     | 12,616     | 3,324      | 1,137       | 11,479     |
|                        | 2021 | 12,645     | 3,190   | 1,575   | 14,260     | 3,764      | 1,142       | 13,119     |
|                        | 2022 | 14,247     | 4,693   | 4,131   | 14,809     | 3,902      | 1,423       | 13,386     |
|                        | 2023 | 14,396     | 4,234   | 4,913   | 13,717     | 3,603      | 1,449       | 12,269     |
| India                  | 2020 | *1,533,307 | *9,318  | *9,426  | *1,533,199 | *1,093     | *380,951    | *1,182,189 |
|                        | 2021 | *1,610,082 | *9,548  | *9,574  | *1,610,056 | *1,138     | *425,226    | *1,206,619 |
|                        | 2022 | 1,816,815  | 7,843   | 10,253  | 1,814,405  | 1,273      | 426,499     | 1,403,400  |
|                        | 2023 | 1,957,317  | 7,640   | 13,792  | 1,951,165  | 1,357      | 438,274     | 1,182,194  |
| Indonesia              | 2020 | 276,529    | ..      | ..      | 276,529    | 1,006      | 38,046      | 250,204    |
|                        | 2021 | 289,521    | ..      | ..      | 289,521    | 1,046      | 36,772      | 258,511    |
|                        | 2022 | 344,390    | ..      | ..      | 344,390    | 1,235      | 51,032      | 294,156    |
|                        | 2023 | 375,151    | ..      | ..      | 375,151    | 1,334      | 33,898      | 319,405    |
| Iran (Islamic Rep. of) | 2020 | 342,427    | 2,674   | 9,470   | 335,631    | 3,826      | 53,611      | 287,362    |
|                        | 2021 | 355,912    | 3,019   | 5,723   | 353,207    | 3,993      | 49,867      | 303,467    |
|                        | 2022 | 368,811    | 4,041   | 4,937   | 367,914    | 4,110      | 51,296      | 315,977    |
|                        | 2023 | 385,239    | 4,041   | 4,937   | 384,343    | 4,242      | 53,488      | 331,918    |
| Iraq                   | 2020 | 85,433     | 38,814  | ..      | 124,247    | 2,950      | *78,509     | 44,499     |
|                        | 2021 | 86,164     | 41,464  | ..      | 127,628    | 2,963      | 71,439      | 52,325     |
|                        | 2022 | 115,591    | 21,491  | ..      | 137,082    | 3,111      | *83,319     | 57,449     |
|                        | 2023 | 94,450     | 59,134  | ..      | 153,584    | 3,407      | *93,289     | 61,387     |
| Israel                 | 2020 | 72,285     | ..      | 6,243   | 66,042     | 7,504      | 6,433       | 60,049     |
|                        | 2021 | 73,796     | ..      | 6,523   | 67,273     | 7,523      | 6,659       | 60,706     |
|                        | 2022 | 75,964     | ..      | 7,016   | 68,948     | 7,574      | 6,746       | 63,601     |
|                        | 2023 | 76,594     | ..      | 6,931   | 69,663     | 7,526      | 6,164       | 63,579     |
| Japan                  | 2020 | 1,016,866  | ..      | ..      | 1,016,866  | 8,051      | 112,149     | 913,432    |
|                        | 2021 | 1,049,718  | ..      | ..      | 1,049,718  | 8,352      | 118,088     | 923,730    |
|                        | 2022 | 1,017,680  | ..      | ..      | 1,017,680  | 8,142      | 109,423     | 902,017    |
|                        | 2023 | 1,002,649  | ..      | ..      | 1,002,649  | 8,062      | 116,996     | 879,200    |
| Jordan                 | 2020 | 21,398     | 381     | 190     | 21,589     | 1,987      | 2,784       | 18,570     |
|                        | 2021 | 22,046     | 395     | 173     | 22,268     | 2,012      | 3,326       | 18,916     |
|                        | 2022 | 24,114     | 263     | 192     | 24,185     | 2,149      | 3,601       | 20,577     |
|                        | 2023 | 25,018     | 266     | 200     | 25,084     | 2,193      | 3,048       | 22,098     |

## Electricity supply and consumption

Gigawatt-hours and kilowatt-hours per capita

| Country or area        | Year | Production | Imports | Exports | Supply  |            | Consumption |         |
|------------------------|------|------------|---------|---------|---------|------------|-------------|---------|
|                        |      |            |         |         | Total   | Per capita | EIOU+losses | TFC     |
| Kazakhstan             | 2020 | 110,890    | 1,569   | 2,323   | 110,136 | 5,653      | 26,216      | 70,122  |
|                        | 2021 | 115,078    | 2,071   | 2,639   | 114,510 | 5,800      | 27,652      | 86,869  |
|                        | 2022 | 113,552    | 3,694   | 2,243   | 115,003 | 5,740      | 31,815      | 83,162  |
|                        | 2023 | 113,585    | 4,781   | 2,710   | 115,656 | 5,689      | 39,806      | 75,850  |
| Korea, Dem.Ppl's.Rep.  | 2020 | 24,053     | 9       | 7       | 24,055  | 920        | 6,081       | 17,975  |
|                        | 2021 | 25,565     | 0       | 413     | 25,153  | 959        | 6,397       | 18,755  |
|                        | 2022 | 26,465     | 0       | 517     | 25,948  | 986        | 6,608       | 19,340  |
|                        | 2023 | 25,065     | 0       | 424     | 24,642  | 933        | 6,269       | 18,373  |
| Korea, Republic of     | 2020 | 594,234    | ..      | ..      | 594,234 | 11,459     | 79,430      | 512,695 |
|                        | 2021 | 626,485    | ..      | ..      | 626,485 | 12,083     | 89,535      | 535,962 |
|                        | 2022 | 624,880    | ..      | ..      | 624,880 | 12,067     | 82,878      | 541,727 |
|                        | 2023 | 610,685    | ..      | ..      | 610,685 | 11,801     | 86,044      | 535,013 |
| Kuwait                 | 2020 | 74,969     | 451     | 135     | 75,285  | 17,110     | 15,925      | 54,749  |
|                        | 2021 | 80,969     | 325     | 338     | 80,956  | 18,565     | 17,132      | 59,650  |
|                        | 2022 | 83,707     | 130     | 172     | 83,665  | 18,230     | 17,863      | 61,528  |
|                        | 2023 | 88,189     | ..      | ..      | 88,189  | 18,225     | 19,052      | 73,354  |
| Kyrgyzstan             | 2020 | 15,404     | 352     | 302     | 15,454  | 2,319      | 3,266       | 12,188  |
|                        | 2021 | 14,815     | 1,683   | 548     | 15,950  | 2,339      | 3,036       | 12,914  |
|                        | 2022 | 13,883     | 2,806   | 550     | 16,139  | 2,320      | 3,006       | 13,133  |
|                        | 2023 | 13,839     | 3,489   | 138     | 17,190  | 2,430      | 3,087       | 14,103  |
| Lao People's Dem. Rep. | 2020 | *39,971    | *1,331  | *29,933 | *11,369 | *1,548     | *3,202      | *8,144  |
|                        | 2021 | *44,931    | *1,358  | *33,678 | *12,611 | *1,692     | *2,926      | *9,688  |
|                        | 2022 | 51,031     | 873     | *38,465 | 13,439  | 1,778      | 2,388       | 11,068  |
|                        | 2023 | *48,702    | *1,100  | *36,434 | *13,368 | *1,744     | *2,250      | *11,118 |
| Lebanon                | 2020 | 10,606     | 2       | ..      | 10,608  | 1,860      | 2,123       | 8,484   |
|                        | 2021 | 8,024      | 1       | ..      | 8,025   | 1,403      | *1,635      | *6,390  |
|                        | 2022 | 4,083      | ..      | ..      | 4,083   | 711        | *1,208      | *2,875  |
|                        | 2023 | 5,440      | ..      | ..      | 5,440   | 942        | *1,502      | *3,938  |
| Malaysia               | 2020 | 174,142    | 18      | 1,572   | 172,589 | 5,093      | 17,930      | 152,131 |
|                        | 2021 | 179,987    | 35      | 977     | 179,045 | 5,223      | 18,531      | 155,400 |
|                        | 2022 | 196,183    | ..      | 814     | 195,369 | 5,631      | 20,199      | 168,368 |
|                        | 2023 | 192,987    | 18      | 1,121   | 191,884 | 5,463      | 19,870      | 182,164 |
| Maldives               | 2020 | 745        | ..      | ..      | 745     | 1,484      | *70         | *675    |
|                        | 2021 | 1,195      | ..      | ..      | 1,195   | 2,316      | *100        | *1,096  |
|                        | 2022 | 1,227      | ..      | ..      | 1,227   | 2,341      | *106        | *1,121  |
|                        | 2023 | *1,155     | ..      | ..      | *1,155  | *2,195     | *105        | *1,050  |
| Mongolia               | 2020 | 6,970      | 1,685   | 42      | 8,613   | 2,617      | 1,796       | 6,817   |
|                        | 2021 | 7,825      | 1,823   | 24      | 9,624   | 2,882      | 1,906       | 7,755   |
|                        | 2022 | 8,035      | 2,107   | 25      | 10,117  | 2,988      | 2,022       | 8,095   |
|                        | 2023 | 8,487      | 2,427   | 37      | 10,877  | 3,169      | 2,238       | 8,639   |
| Myanmar                | 2020 | 23,643     | 129     | 1,637   | 22,135  | 418        | 4,447       | 19,196  |
|                        | 2021 | 22,075     | 140     | 852     | 21,363  | 400        | 4,802       | 17,273  |
|                        | 2022 | 21,539     | 203     | 1,678   | 20,063  | 373        | 4,414       | 17,125  |
|                        | 2023 | 20,943     | 474     | 1,132   | 20,284  | 375        | 4,329       | 16,772  |
| Nepal                  | 2020 | 6,189      | 2,806   | 38      | 8,957   | 309        | 1,538       | 7,415   |
|                        | 2021 | 9,668      | 1,543   | 494     | 10,717  | 364        | 1,709       | 8,935   |
|                        | 2022 | 10,827     | 1,833   | 1,346   | 11,314  | 381        | 1,731       | 9,100   |
|                        | 2023 | 13,034     | 1,940   | 1,950   | 13,024  | 439        | *1,801      | 10,351  |
| Oman                   | 2020 | 38,429     | ..      | ..      | 38,429  | 8,497      | 5,331       | 33,169  |
|                        | 2021 | 41,718     | ..      | ..      | 41,718  | 9,270      | 5,570       | 36,148  |
|                        | 2022 | 44,472     | ..      | ..      | 44,472  | 9,402      | 5,059       | 39,413  |
|                        | 2023 | 47,049     | ..      | ..      | 47,049  | 9,318      | 4,684       | 42,365  |

Table 34

## Electricity supply and consumption

Gigawatt-hours and kilowatt-hours per capita

| Country or area      | Year | Production | Imports | Exports | Supply   |            | Consumption |         |
|----------------------|------|------------|---------|---------|----------|------------|-------------|---------|
|                      |      |            |         |         | Total    | Per capita | EIOU+losses | TFC     |
| Other Asia           | 2020 | 279,995    | ..      | ..      | 279,995  | 11,832     | 28,788      | 251,929 |
|                      | 2021 | 291,020    | ..      | ..      | 291,020  | 12,353     | 27,643      | 264,361 |
|                      | 2022 | 288,154    | ..      | ..      | 288,154  | 12,304     | 28,603      | 260,464 |
|                      | 2023 | 282,159    | ..      | ..      | 282,159  | 12,101     | 26,358      | 258,068 |
| Pakistan             | 2020 | 144,435    | 547     | ..      | 144,982  | 617        | 27,556      | 116,095 |
|                      | 2021 | 128,521    | 706     | ..      | 129,227  | 540        | 29,067      | 121,298 |
|                      | 2022 | 130,525    | 505     | ..      | 131,030  | 538        | 25,061      | 110,300 |
|                      | 2023 | 137,812    | 341     | ..      | 138,153  | 558        | 26,442      | 117,071 |
| Philippines          | 2020 | 101,773    | ..      | ..      | 101,773  | 908        | 18,530      | 83,243  |
|                      | 2021 | 106,131    | ..      | ..      | 106,131  | 938        | 18,714      | 88,636  |
|                      | 2022 | 111,533    | ..      | ..      | 111,533  | 979        | 20,201      | 91,333  |
|                      | 2023 | 118,004    | ..      | ..      | 118,004  | 1,027      | 22,196      | 95,808  |
| Qatar                | 2020 | 49,259     | ..      | ..      | 49,259   | 17,571     | 6,208       | 43,051  |
|                      | 2021 | 51,641     | ..      | ..      | 51,641   | 18,345     | 6,237       | 45,404  |
|                      | 2022 | 54,623     | ..      | ..      | 54,623   | 18,885     | 6,419       | 48,204  |
|                      | 2023 | 56,249     | ..      | ..      | 56,249   | 18,881     | 6,577       | 49,669  |
| Saudi Arabia         | 2020 | 367,484    | 464     | 832     | 367,116  | 11,846     | 67,622      | 289,304 |
|                      | 2021 | 379,032    | 308     | 352     | 378,988  | 12,097     | *70,687     | 301,562 |
|                      | 2022 | 437,830    | 308     | 352     | 437,786  | 13,606     | 71,404      | 309,523 |
|                      | 2023 | 441,500    | 308     | 352     | 441,456  | 13,271     | 73,053      | 327,001 |
| Singapore            | 2020 | 53,582     | ..      | ..      | 53,582   | 9,534      | 2,299       | 50,780  |
|                      | 2021 | 56,524     | ..      | ..      | 56,524   | 10,191     | 2,559       | 53,483  |
|                      | 2022 | 58,349     | ..      | ..      | 58,349   | 10,327     | 2,795       | 54,885  |
|                      | 2023 | 58,439     | ..      | ..      | 58,439   | 10,095     | 2,587       | 55,387  |
| Sri Lanka            | 2020 | 15,801     | ..      | ..      | 15,801   | 700        | 2,254       | 14,656  |
|                      | 2021 | 17,363     | ..      | ..      | 17,363   | 765        | 2,319       | 15,629  |
|                      | 2022 | 16,828     | ..      | ..      | 16,828   | 737        | 2,160       | 14,669  |
|                      | 2023 | 15,696     | ..      | ..      | 15,696   | 683        | 2,091       | 14,561  |
| State of Palestine   | 2020 | 840        | 6,519   | ..      | 7,359    | 1,452      | 883         | 6,476   |
|                      | 2021 | 917        | 6,678   | ..      | 7,595    | 1,465      | 911         | 6,683   |
|                      | 2022 | 1,021      | 7,212   | ..      | 8,233    | 1,552      | 988         | 7,245   |
|                      | 2023 | 985        | 7,072   | ..      | 8,057    | 1,489      | 967         | 7,090   |
| Syrian Arab Republic | 2020 | 25,857     | 54      | ..      | 25,911   | 1,231      | 8,497       | 20,772  |
|                      | 2021 | 24,959     | 302     | ..      | 25,261   | 1,168      | 8,255       | 20,251  |
|                      | 2022 | 23,735     | 561     | ..      | 24,297   | 1,082      | 7,909       | 19,478  |
|                      | 2023 | 24,994     | 636     | ..      | 25,631   | 1,086      | 8,338       | 20,547  |
| Tajikistan           | 2020 | 19,734     | 379     | 1,870   | 18,243   | 1,871      | 2,860       | 14,965  |
|                      | 2021 | 20,624     | 883     | 3,307   | 18,200   | 1,826      | 4,371       | 13,777  |
|                      | 2022 | 21,399     | 797     | 3,341   | 18,855   | 1,852      | 4,142       | 14,596  |
|                      | 2023 | 21,860     | 945     | 3,462   | 19,343   | 1,862      | 4,002       | 15,888  |
| Thailand             | 2020 | 189,697    | 29,551  | 2,611   | 216,637  | 3,024      | 17,618      | 196,706 |
|                      | 2021 | *187,822   | 33,356  | 1,996   | *219,182 | *3,056     | 20,460      | 201,016 |
|                      | 2022 | 199,171    | 35,472  | 2,061   | 232,582  | 3,242      | 16,757      | 208,199 |
|                      | 2023 | 218,440    | 32,805  | 2,256   | 248,989  | 3,473      | 17,307      | 218,733 |
| Timor-Leste          | 2020 | 505        | ..      | ..      | 505      | 381        | *136        | 370     |
|                      | 2021 | 510        | ..      | ..      | 510      | 378        | *131        | 380     |
|                      | 2022 | *522       | ..      | ..      | *522     | *381       | *133        | *390    |
|                      | 2023 | 528        | ..      | ..      | 528      | 382        | *131        | *398    |
| Türkiye              | 2020 | 306,703    | 1,890   | 2,484   | 306,109  | 3,556      | 47,384      | 258,725 |
|                      | 2021 | 334,723    | 2,334   | 4,186   | 332,871  | 3,840      | 50,284      | 282,587 |
|                      | 2022 | 328,379    | 6,439   | 3,713   | 331,105  | 3,803      | 48,825      | 282,280 |
|                      | 2023 | 331,149    | 6,094   | 2,076   | 335,168  | 3,841      | 49,780      | 285,387 |

## Electricity supply and consumption

Gigawatt-hours and kilowatt-hours per capita

| Country or area        | Year        | Production       | Imports        | Exports        | Supply           |              | Consumption    |                  |
|------------------------|-------------|------------------|----------------|----------------|------------------|--------------|----------------|------------------|
|                        |             |                  |                |                | Total            | Per capita   | EIOU+losses    | TFC              |
| Turkmenistan           | 2020        | 25,763           | ..             | 4,444          | 21,319           | 3,067        | 7,560          | 13,758           |
|                        | 2021        | 28,400           | ..             | 6,479          | 21,921           | 3,091        | 7,774          | 14,147           |
|                        | 2022        | 32,600           | ..             | 9,000          | 23,600           | 3,264        | 8,370          | 15,230           |
|                        | 2023        | 32,600           | ..             | 9,000          | 23,600           | 3,205        | 8,370          | 15,230           |
| United Arab Emirates   | 2020        | *137,311         | 206            | 235            | *137,283         | *14,530      | *19,088        | 118,223          |
|                        | 2021        | 149,053          | 868            | 657            | 149,264          | 15,248       | 20,025         | 129,028          |
|                        | 2022        | 156,133          | 504            | 613            | 156,023          | 15,234       | 21,527         | 134,606          |
|                        | 2023        | 168,689          | 299            | 403            | 168,585          | 15,841       | 22,297         | 146,182          |
| Uzbekistan             | 2020        | 66,516           | 5,207          | 2,687          | 69,037           | 2,056        | 12,232         | 51,951           |
|                        | 2021        | 71,414           | 6,232          | 2,644          | 75,002           | 2,190        | 14,623         | 55,632           |
|                        | 2022        | 74,268           | 4,977          | 2,703          | 76,542           | 2,191        | 6,881          | 56,579           |
|                        | 2023        | *77,821          | 4,428          | 1,678          | *80,571          | *2,260       | 7,131          | 54,095           |
| Viet Nam               | 2020        | 240,543          | 3,067          | 1,555          | 242,055          | 2,468        | 19,670         | 222,385          |
|                        | 2021        | 253,498          | 1,403          | 582            | 254,320          | 2,571        | 20,133         | 234,187          |
|                        | 2022        | 276,372          | 3,257          | 965            | 278,664          | 2,796        | 22,817         | 255,846          |
|                        | 2023        | 274,099          | 4,222          | 739            | 277,582          | 2,766        | 25,562         | 252,020          |
| Yemen                  | 2020        | 4,896            | ..             | ..             | 4,896            | 135          | 1,807          | 2,823            |
|                        | 2021        | 4,759            | ..             | ..             | 4,759            | 128          | 1,725          | 2,808            |
|                        | 2022        | 5,208            | ..             | ..             | 5,208            | 136          | 1,848          | 3,131            |
|                        | 2023        | 5,137            | ..             | ..             | 5,137            | 130          | 1,815          | 3,186            |
| <b>Europe</b>          | <b>2020</b> | <b>4,696,674</b> | <b>473,548</b> | <b>476,753</b> | <b>4,693,468</b> | <b>6,244</b> | <b>866,203</b> | <b>3,804,532</b> |
|                        | <b>2021</b> | <b>4,906,680</b> | <b>511,366</b> | <b>514,559</b> | <b>4,903,487</b> | <b>6,531</b> | <b>879,290</b> | <b>3,997,381</b> |
|                        | <b>2022</b> | <b>4,755,191</b> | <b>527,150</b> | <b>539,829</b> | <b>4,742,513</b> | <b>6,330</b> | <b>873,661</b> | <b>3,867,101</b> |
|                        | <b>2023</b> | <b>4,681,622</b> | <b>513,874</b> | <b>533,139</b> | <b>4,662,357</b> | <b>6,235</b> | <b>867,103</b> | <b>3,802,098</b> |
| Albania                | 2020        | 5,313            | 3,239          | 963            | 7,589            | 2,642        | 1,273          | 6,316            |
|                        | 2021        | 8,963            | 2,252          | 2,800          | 8,415            | 2,953        | 1,749          | 6,666            |
|                        | 2022        | 7,003            | 3,044          | 2,123          | 7,924            | 2,802        | 1,336          | 6,587            |
|                        | 2023        | 9,006            | 1,922          | 2,725          | 8,203            | 2,917        | 1,708          | 6,494            |
| Andorra                | 2020        | 153              | 375            | 0              | 529              | 6,833        | 60             | 447              |
|                        | 2021        | 109              | 426            | 0              | 535              | 6,827        | 65             | 448              |
|                        | 2022        | 104              | 461            | 0              | 565              | 7,091        | 71             | 472              |
|                        | 2023        | 113              | 445            | 0              | 558              | 6,899        | 75             | 463              |
| Austria                | 2020        | 72,558           | 24,522         | 22,327         | 74,754           | 8,379        | 13,184         | 61,532           |
|                        | 2021        | 70,887           | 26,436         | 18,893         | 78,430           | 8,746        | 13,930         | 64,453           |
|                        | 2022        | 69,193           | 28,595         | 19,890         | 77,898           | 8,594        | 14,184         | 63,690           |
|                        | 2023        | 74,459           | 21,550         | 21,622         | 74,388           | 8,147        | 12,498         | 61,857           |
| Belarus                | 2020        | 38,548           | 4,277          | 4,777          | 38,048           | 4,069        | 7,192          | 30,856           |
|                        | 2021        | 41,240           | 4,300          | 4,600          | 40,940           | 4,425        | 7,932          | 33,008           |
|                        | 2022        | 39,400           | 4,000          | 4,700          | 38,700           | 4,219        | 7,509          | 31,192           |
|                        | 2023        | 41,709           | 4,177          | 4,486          | 41,400           | 4,542        | 7,756          | 32,821           |
| Belgium                | 2020        | 89,454           | 13,722         | 14,055         | 89,121           | 7,723        | 9,830          | 78,116           |
|                        | 2021        | 100,482          | 15,194         | 23,070         | 92,605           | 8,003        | 10,339         | 79,881           |
|                        | 2022        | 95,948           | 16,350         | 23,877         | 88,420           | 7,595        | 10,402         | 76,205           |
|                        | 2023        | 83,669           | 20,224         | 18,586         | 85,308           | 7,283        | 10,086         | 73,940           |
| Bosnia and Herzegovina | 2020        | 16,874           | 3,266          | 7,317          | 12,823           | 3,887        | 2,887          | 9,936            |
|                        | 2021        | 18,536           | 3,259          | 8,014          | 13,781           | 4,247        | 2,952          | 10,830           |
|                        | 2022        | 16,384           | 3,828          | 6,856          | 13,356           | 4,167        | 2,738          | 10,618           |
|                        | 2023        | 17,185           | 3,655          | 7,886          | 12,954           | 4,067        | 2,635          | 10,319           |
| Bulgaria               | 2020        | 40,754           | 3,707          | 7,115          | 37,346           | 5,386        | 8,062          | 28,610           |
|                        | 2021        | 47,568           | 1,857          | 10,635         | 38,790           | 5,640        | 8,209          | 30,970           |
|                        | 2022        | 50,499           | 1,470          | 13,665         | 38,305           | 5,612        | 8,408          | 30,719           |
|                        | 2023        | 40,256           | 4,415          | 7,748          | 36,922           | 5,433        | 6,973          | 30,335           |

Table 34

## Electricity supply and consumption

Gigawatt-hours and kilowatt-hours per capita

| Country or area | Year | Production | Imports | Exports | Supply  |            | Consumption |         |
|-----------------|------|------------|---------|---------|---------|------------|-------------|---------|
|                 |      |            |         |         | Total   | Per capita | EIOU+losses | TFC     |
| Croatia         | 2020 | 13,385     | 10,491  | 5,852   | 18,025  | 4,559      | 2,809       | 15,215  |
|                 | 2021 | 15,210     | 11,505  | 7,544   | 19,171  | 4,885      | 2,676       | 16,495  |
|                 | 2022 | 14,221     | 11,920  | 7,225   | 18,915  | 4,841      | 2,671       | 16,245  |
|                 | 2023 | 17,541     | 10,038  | 8,460   | 19,119  | 4,907      | 2,805       | 16,314  |
| Czechia         | 2020 | 81,525     | 13,368  | 23,521  | 71,372  | 6,765      | 13,709      | 57,100  |
|                 | 2021 | 85,016     | 15,153  | 26,228  | 73,940  | 7,021      | 13,072      | 59,990  |
|                 | 2022 | 84,851     | 16,726  | 30,255  | 71,322  | 6,682      | 12,608      | 57,971  |
|                 | 2023 | 77,004     | 13,465  | 22,648  | 67,821  | 6,274      | 11,541      | 55,655  |
| Denmark         | 2020 | 28,729     | 18,594  | 11,711  | 35,611  | 6,107      | 4,440       | 30,258  |
|                 | 2021 | 33,051     | 20,120  | 15,251  | 37,919  | 6,474      | 4,348       | 32,249  |
|                 | 2022 | 35,124     | 18,752  | 17,390  | 36,487  | 6,181      | 4,326       | 30,813  |
|                 | 2023 | 33,733     | 19,831  | 16,698  | 36,866  | 6,198      | 4,015       | 30,413  |
| Estonia         | 2020 | 6,078      | 7,367   | 3,723   | 9,722   | 7,312      | 1,497       | 7,180   |
|                 | 2021 | 7,204      | 7,332   | 4,703   | 9,833   | 7,384      | 1,985       | 7,884   |
|                 | 2022 | 8,937      | 7,183   | 6,172   | 9,948   | 7,368      | 2,807       | 7,142   |
|                 | 2023 | 5,745      | 7,660   | 4,355   | 9,049   | 6,619      | 2,300       | 6,002   |
| Faeroe Islands  | 2020 | 407        | ..      | ..      | 407     | 7,736      | 36          | 371     |
|                 | 2021 | 424        | ..      | ..      | 424     | 7,952      | 36          | 388     |
|                 | 2022 | 434        | ..      | ..      | 434     | 8,036      | 39          | 395     |
|                 | 2023 | 458        | ..      | ..      | 458     | 8,364      | 42          | 416     |
| Finland         | 2020 | 69,268     | 21,774  | 6,670   | 84,372  | 15,258     | 7,062       | 76,898  |
|                 | 2021 | 72,121     | 24,492  | 6,724   | 89,889  | 16,222     | 7,197       | 82,094  |
|                 | 2022 | 72,187     | 19,397  | 6,880   | 84,704  | 15,209     | 7,210       | 76,867  |
|                 | 2023 | 81,540     | 9,644   | 7,920   | 83,264  | 14,866     | 7,526       | 74,156  |
| France          | 2020 | 532,891    | 19,536  | 64,575  | 487,851 | 7,159      | 74,410      | 411,359 |
|                 | 2021 | 555,641    | 24,334  | 69,227  | 510,749 | 7,475      | 77,743      | 432,837 |
|                 | 2022 | 473,672    | 52,437  | 37,493  | 488,617 | 7,130      | 73,573      | 414,982 |
|                 | 2023 | 525,660    | 25,432  | 75,904  | 475,188 | 6,917      | 75,358      | 397,619 |
| Germany         | 2020 | 575,462    | 47,853  | 66,882  | 556,433 | 6,654      | 74,205      | 482,227 |
|                 | 2021 | 592,799    | 51,731  | 70,306  | 574,224 | 6,861      | 74,485      | 499,738 |
|                 | 2022 | 578,949    | 49,331  | 76,587  | 551,693 | 6,561      | 74,477      | 477,200 |
|                 | 2023 | 511,881    | 69,307  | 60,082  | 521,106 | 6,163      | 67,505      | 453,586 |
| Gibraltar       | 2020 | 213        | ..      | ..      | 213     | 5,878      | 36          | 176     |
|                 | 2021 | 218        | ..      | ..      | 218     | 5,916      | 37          | 181     |
|                 | 2022 | 218        | ..      | ..      | 218     | 5,796      | 37          | 183     |
|                 | 2023 | 231        | ..      | ..      | 231     | 6,009      | 40          | 195     |
| Greece          | 2020 | 48,252     | 9,831   | 967     | 57,116  | 5,338      | 9,587       | 47,529  |
|                 | 2021 | 54,744     | 7,581   | 3,897   | 58,428  | 5,523      | 8,695       | 49,242  |
|                 | 2022 | 52,670     | 7,751   | 4,304   | 56,117  | 5,389      | 8,357       | 48,128  |
|                 | 2023 | 49,917     | 8,151   | 3,238   | 54,830  | 5,353      | 8,327       | 45,817  |
| Guernsey        | 2020 | 23         | 347     | ..      | 370     | 5,860      | *32         | 338     |
|                 | 2021 | 27         | 355     | ..      | 382     | 6,032      | *19         | *364    |
|                 | 2022 | 29         | 337     | ..      | 366     | 5,751      | *21         | *346    |
|                 | 2023 | 34         | 331     | ..      | 364     | 5,690      | *17         | *350    |
| Hungary         | 2020 | 34,930     | 19,176  | 7,499   | 46,607  | 4,780      | 6,300       | 40,046  |
|                 | 2021 | 36,120     | 19,967  | 7,213   | 48,874  | 5,035      | 6,113       | 41,716  |
|                 | 2022 | 35,802     | 21,589  | 9,437   | 47,954  | 4,952      | 5,846       | 41,305  |
|                 | 2023 | 35,546     | 19,964  | 8,865   | 46,645  | 4,815      | 5,229       | 40,161  |
| Iceland         | 2020 | 19,127     | ..      | ..      | 19,127  | 52,173     | 1,069       | 17,869  |
|                 | 2021 | 19,614     | ..      | ..      | 19,614  | 52,635     | 1,112       | 18,345  |
|                 | 2022 | 20,121     | ..      | ..      | 20,121  | 52,899     | 1,100       | 18,873  |
|                 | 2023 | 20,244     | ..      | ..      | 20,244  | 52,234     | 1,159       | 18,899  |

Table 34

## Electricity supply and consumption

Gigawatt-hours and kilowatt-hours per capita

| Country or area             | Year | Production | Imports | Exports | Supply  |            | Consumption |         |
|-----------------------------|------|------------|---------|---------|---------|------------|-------------|---------|
|                             |      |            |         |         | Total   | Per capita | EIOU+losses | TFC     |
| Ireland                     | 2020 | 32,460     | 1,761   | 1,913   | 32,308  | 6,484      | 3,934       | 28,621  |
|                             | 2021 | 32,028     | 2,451   | 863     | 33,616  | 6,685      | 4,044       | 29,919  |
|                             | 2022 | 34,045     | 1,582   | 1,330   | 34,297  | 6,712      | 3,982       | 30,321  |
|                             | 2023 | 31,853     | 3,721   | 446     | 35,128  | 6,760      | 3,903       | 31,566  |
| Isle of Man                 | 2020 | 552        | *24     | 168     | 408     | 4,847      | *54         | 354     |
|                             | 2021 | 360        | *135    | 103     | 392     | 4,666      | *50         | 342     |
|                             | 2022 | 589        | 22      | 206     | 405     | 4,816      | *42         | 366     |
|                             | 2023 | 542        | 47      | 200     | 388     | 4,611      | *76         | 312     |
| Italy                       | 2020 | 280,531    | 39,790  | 7,590   | 312,731 | 5,217      | 37,531      | 275,200 |
|                             | 2021 | 289,074    | 46,572  | 3,782   | 331,863 | 5,553      | 39,663      | 292,200 |
|                             | 2022 | 283,961    | 47,391  | 4,404   | 326,948 | 5,481      | 39,947      | 286,988 |
|                             | 2023 | 264,716    | 54,572  | 3,320   | 315,968 | 5,307      | 37,092      | 278,865 |
| Jersey                      | 2020 | 43         | 610     | ..      | 653     | 6,334      | 39          | 613     |
|                             | 2021 | 33         | 641     | ..      | 675     | 6,529      | 44          | 633     |
|                             | 2022 | 41         | 606     | ..      | 647     | 6,254      | 38          | 607     |
|                             | 2023 | 42         | 606     | ..      | 648     | 6,253      | 43          | 607     |
| Kosovo                      | 2020 | 6,711      | 966     | 1,283   | 6,394   | 3,651      | 1,497       | 4,894   |
|                             | 2021 | 6,892      | 3,336   | 2,649   | 7,579   | 4,352      | 1,670       | 5,802   |
|                             | 2022 | 6,998      | 3,687   | 3,139   | 7,546   | 4,393      | 1,492       | 5,713   |
|                             | 2023 | 6,352      | 3,449   | 2,442   | 7,359   | 4,329      | 1,434       | 5,470   |
| Latvia                      | 2020 | 5,725      | 4,173   | 2,548   | 7,350   | 3,866      | 826         | 6,524   |
|                             | 2021 | 5,846      | 4,666   | 2,894   | 7,619   | 4,041      | 879         | 6,739   |
|                             | 2022 | 5,031      | 5,308   | 2,997   | 7,342   | 3,903      | 835         | 6,507   |
|                             | 2023 | 6,388      | 4,075   | 3,271   | 7,192   | 3,821      | 921         | 6,271   |
| Liechtenstein               | 2020 | 104        | 299     | ..      | 402     | 10,377     | 0           | 402     |
|                             | 2021 | 107        | 311     | ..      | 418     | 10,696     | 0           | 418     |
|                             | 2022 | 103        | 309     | ..      | 412     | 10,484     | 0           | 412     |
|                             | 2023 | 126        | 276     | ..      | 402     | 10,139     | 0           | 402     |
| Lithuania                   | 2020 | 5,518      | 12,013  | 4,105   | 13,426  | 4,802      | 3,069       | 10,355  |
|                             | 2021 | 5,079      | 12,479  | 3,435   | 14,122  | 5,054      | 2,965       | 11,154  |
|                             | 2022 | 4,783      | 12,934  | 4,366   | 13,350  | 4,739      | 2,685       | 10,663  |
|                             | 2023 | 5,979      | 10,910  | 3,980   | 12,908  | 4,523      | 2,688       | 10,217  |
| Luxembourg                  | 2020 | 2,234      | 6,543   | 1,079   | 7,699   | 12,209     | 1,579       | 6,120   |
|                             | 2021 | 2,211      | 6,758   | 1,037   | 7,932   | 12,389     | 1,540       | 6,393   |
|                             | 2022 | 2,258      | 6,677   | 1,170   | 7,765   | 11,886     | 1,585       | 6,156   |
|                             | 2023 | 2,532      | 6,390   | 1,188   | 7,734   | 11,629     | 1,663       | 6,047   |
| Malta                       | 2020 | 2,143      | 420     | 4       | 2,559   | 4,938      | 196         | 2,363   |
|                             | 2021 | 2,215      | 547     | 36      | 2,726   | 5,199      | 224         | 2,502   |
|                             | 2022 | 2,293      | 646     | 7       | 2,933   | 5,552      | 239         | 2,694   |
|                             | 2023 | 2,345      | 648     | 26      | 2,967   | 5,567      | 233         | 2,699   |
| Montenegro                  | 2020 | 3,386      | 5,943   | 5,864   | 3,465   | 5,699      | 628         | 2,837   |
|                             | 2021 | 3,781      | 5,318   | 5,489   | 3,610   | 5,979      | 633         | 2,978   |
|                             | 2022 | 3,322      | 5,352   | 5,487   | 3,188   | 5,186      | 583         | 2,604   |
|                             | 2023 | 4,187      | 5,421   | 6,288   | 3,320   | 5,241      | 602         | 2,719   |
| Netherlands (Kingd. of the) | 2020 | 123,278    | 19,773  | 22,433  | 120,619 | 6,839      | 13,287      | 106,298 |
|                             | 2021 | 122,170    | 20,885  | 20,632  | 122,423 | 6,905      | 14,396      | 107,255 |
|                             | 2022 | 121,573    | 18,544  | 22,811  | 117,306 | 6,552      | 14,466      | 103,728 |
|                             | 2023 | 121,331    | 19,547  | 25,206  | 115,671 | 6,393      | 13,724      | 101,735 |
| North Macedonia             | 2020 | 5,347      | 6,734   | 4,408   | 7,674   | 4,099      | 1,449       | 6,225   |
|                             | 2021 | 5,532      | 7,407   | 4,930   | 8,009   | 4,327      | 1,445       | 6,564   |
|                             | 2022 | 5,933      | 7,074   | 5,662   | 7,346   | 3,992      | 1,456       | 5,890   |
|                             | 2023 | 6,774      | 1,470   | 1,319   | 6,925   | 3,780      | 1,339       | 5,586   |

Table 34

## Electricity supply and consumption

Gigawatt-hours and kilowatt-hours per capita

| Country or area     | Year | Production | Imports | Exports | Supply    |            | Consumption |         |
|---------------------|------|------------|---------|---------|-----------|------------|-------------|---------|
|                     |      |            |         |         | Total     | Per capita | EIOU+losses | TFC     |
| Norway              | 2020 | 155,196    | 4,496   | 24,968  | 134,724   | 25,045     | 17,604      | 116,190 |
|                     | 2021 | 157,922    | 8,235   | 25,819  | 140,338   | 25,950     | 17,102      | 122,255 |
|                     | 2022 | 146,731    | 13,271  | 25,792  | 134,210   | 24,595     | 18,438      | 114,953 |
|                     | 2023 | 154,895    | 13,240  | 30,978  | 137,157   | 24,851     | 20,707      | 115,323 |
| Poland              | 2020 | 158,043    | 20,624  | 7,357   | 171,310   | 4,488      | 33,988      | 137,322 |
|                     | 2021 | 179,631    | 15,100  | 14,212  | 180,519   | 4,745      | 36,830      | 143,688 |
|                     | 2022 | 179,748    | 15,238  | 16,915  | 178,071   | 4,639      | 38,215      | 139,856 |
|                     | 2023 | 167,362    | 15,140  | 11,403  | 171,099   | 4,414      | 37,771      | 133,328 |
| Portugal            | 2020 | 53,078     | 7,553   | 6,097   | 54,535    | 5,259      | 8,214       | 46,254  |
|                     | 2021 | 50,980     | 9,544   | 4,791   | 55,733    | 5,364      | 8,338       | 47,321  |
|                     | 2022 | 48,808     | 12,315  | 3,061   | 58,061    | 5,574      | 9,397       | 48,664  |
|                     | 2023 | 49,043     | 13,656  | 3,423   | 59,276    | 5,683      | 9,736       | 49,540  |
| Republic of Moldova | 2020 | 983        | 3,418   | ..      | 4,401     | 1,434      | 594         | 3,807   |
|                     | 2021 | 1,131      | 3,607   | ..      | 4,738     | 1,567      | 610         | 4,128   |
|                     | 2022 | 995        | 3,751   | 94      | 4,652     | 1,530      | 611         | 4,041   |
|                     | 2023 | 1,169      | 3,698   | 340     | 4,527     | 1,476      | 582         | 3,945   |
| Romania             | 2020 | 55,935     | 8,252   | 5,459   | 58,727    | 3,028      | 14,668      | 44,024  |
|                     | 2021 | 59,470     | 8,697   | 6,499   | 61,669    | 3,204      | 15,041      | 46,048  |
|                     | 2022 | 56,003     | 8,653   | 7,429   | 57,226    | 2,986      | 13,635      | 42,730  |
|                     | 2023 | 57,983     | 10,088  | 13,106  | 54,964    | 2,875      | 13,211      | 41,455  |
| Russian Federation  | 2020 | 1,089,668  | 1,378   | 12,116  | 1,078,930 | 7,371      | 328,580     | 747,462 |
|                     | 2021 | 1,159,417  | 1,564   | 22,903  | 1,138,078 | 7,804      | 326,999     | 807,621 |
|                     | 2022 | 1,151,156  | 1,574   | 17,970  | 1,134,760 | 7,795      | 330,332     | 822,819 |
|                     | 2023 | 1,161,811  | 1,604   | 18,135  | 1,145,280 | 7,875      | 334,884     | 837,331 |
| Serbia              | 2020 | 37,956     | 5,070   | 5,675   | 37,351    | 5,407      | 9,471       | 27,881  |
|                     | 2021 | 38,236     | 6,984   | 6,333   | 38,886    | 5,689      | 9,687       | 29,200  |
|                     | 2022 | 35,510     | 8,447   | 5,696   | 38,261    | 5,634      | 9,281       | 28,981  |
|                     | 2023 | 40,028     | 5,174   | 7,364   | 37,838    | 5,586      | 9,105       | 28,733  |
| Slovakia            | 2020 | 28,838     | 13,289  | 12,970  | 29,157    | 5,345      | 5,323       | 23,813  |
|                     | 2021 | 30,016     | 13,884  | 13,110  | 30,790    | 5,657      | 5,220       | 25,549  |
|                     | 2022 | 26,838     | 16,743  | 15,331  | 28,250    | 5,162      | 5,358       | 22,870  |
|                     | 2023 | 29,903     | 10,649  | 14,071  | 26,481    | 4,799      | 5,185       | 21,273  |
| Slovenia            | 2020 | 17,191     | 7,120   | 9,123   | 15,188    | 7,224      | 2,236       | 12,951  |
|                     | 2021 | 15,877     | 8,387   | 8,658   | 15,607    | 7,384      | 2,148       | 13,459  |
|                     | 2022 | 13,617     | 10,198  | 8,752   | 15,062    | 7,121      | 2,098       | 13,042  |
|                     | 2023 | 15,879     | 9,114   | 10,620  | 14,373    | 6,785      | 2,004       | 12,369  |
| Spain               | 2020 | 263,373    | 17,928  | 14,649  | 266,653   | 5,593      | 46,550      | 219,655 |
|                     | 2021 | 274,312    | 17,411  | 16,559  | 275,164   | 5,764      | 47,200      | 227,880 |
|                     | 2022 | 292,454    | 8,032   | 27,833  | 272,652   | 5,701      | 47,985      | 224,366 |
|                     | 2023 | 285,881    | 11,316  | 25,273  | 271,924   | 5,676      | 48,519      | 222,673 |
| Sweden              | 2020 | 163,833    | 11,827  | 36,824  | 138,836   | 13,409     | 14,040      | 122,985 |
|                     | 2021 | 171,798    | 8,341   | 33,909  | 146,230   | 14,039     | 16,913      | 127,531 |
|                     | 2022 | 173,159    | 6,181   | 39,400  | 139,940   | 13,344     | 15,994      | 122,270 |
|                     | 2023 | 166,093    | 7,330   | 35,822  | 137,601   | 13,041     | 15,621      | 120,317 |
| Switzerland         | 2020 | 71,651     | 26,988  | 32,548  | 66,091    | 7,649      | 10,377      | 55,714  |
|                     | 2021 | 66,037     | 31,532  | 29,119  | 68,450    | 7,862      | 10,337      | 58,117  |
|                     | 2022 | 65,662     | 33,117  | 29,734  | 69,045    | 7,853      | 12,014      | 57,031  |
|                     | 2023 | 73,878     | 27,462  | 33,856  | 67,484    | 7,608      | 11,414      | 56,069  |
| Ukraine             | 2020 | 148,408    | 2,720   | 5,139   | 145,989   | 3,267      | 31,655      | 113,510 |
|                     | 2021 | 157,915    | 1,458   | 3,497   | 155,875   | 3,519      | 32,658      | 118,680 |
|                     | 2022 | 112,295    | 820     | 2,575   | 110,541   | 2,693      | 23,940      | 80,487  |
|                     | 2023 | 105,209    | 806     | 366     | 105,649   | 2,800      | 23,183      | 82,351  |

## Electricity supply and consumption

Gigawatt-hours and kilowatt-hours per capita

| Country or area                   | Year        | Production       | Imports       | Exports       | Supply           |              | Consumption    |                  |
|-----------------------------------|-------------|------------------|---------------|---------------|------------------|--------------|----------------|------------------|
|                                   |             |                  |               |               | Total            | Per capita   | EIOU+losses    | TFC              |
| United Kingdom                    | 2020        | 310,546          | 22,391        | 4,481         | 328,456          | 4,877        | 41,136         | 279,779          |
|                                   | 2021        | 308,637          | 28,819        | 4,194         | 333,261          | 4,925        | 39,963         | 285,229          |
|                                   | 2022        | 325,540          | 15,506        | 20,816        | 320,231          | 4,697        | 41,294         | 272,410          |
|                                   | 2023        | 293,392          | 33,256        | 9,472         | 317,176          | 4,618        | 43,867         | 269,086          |
| <b>Latin America &amp; Carib.</b> | <b>2020</b> | <b>1,622,641</b> | <b>50,111</b> | <b>42,674</b> | <b>1,630,078</b> | <b>2,525</b> | <b>303,103</b> | <b>1,361,685</b> |
|                                   | <b>2021</b> | <b>1,704,865</b> | <b>37,674</b> | <b>34,701</b> | <b>1,707,839</b> | <b>2,630</b> | <b>325,418</b> | <b>1,404,548</b> |
|                                   | <b>2022</b> | <b>1,747,893</b> | <b>40,328</b> | <b>36,073</b> | <b>1,752,149</b> | <b>2,682</b> | <b>326,304</b> | <b>1,436,029</b> |
|                                   | <b>2023</b> | <b>1,811,294</b> | <b>51,303</b> | <b>44,832</b> | <b>1,817,764</b> | <b>2,763</b> | <b>344,570</b> | <b>1,484,698</b> |
| Anguilla                          | 2020        | 92               | ..            | ..            | 92               | 6,170        | *7             | *84              |
|                                   | 2021        | 99               | ..            | ..            | 99               | 6,850        | *9             | *90              |
|                                   | 2022        | 107              | ..            | ..            | 107              | 7,540        | *17            | *90              |
|                                   | 2023        | 110              | ..            | ..            | 110              | 7,666        | *28            | *83              |
| Antigua and Barbuda               | 2020        | 360              | ..            | ..            | 360              | 3,920        | 59             | 307              |
|                                   | 2021        | 369              | ..            | ..            | 369              | 3,999        | *65            | *304             |
|                                   | 2022        | *374             | ..            | ..            | *374             | *4,031       | *67            | *313             |
|                                   | 2023        | *392             | ..            | ..            | *392             | *4,201       | *75            | *317             |
| Argentina                         | 2020        | 144,924          | 7,802         | 3,089         | 149,637          | 3,311        | 25,399         | 124,522          |
|                                   | 2021        | 153,779          | 6,348         | 3,850         | 156,277          | 3,449        | 27,289         | 129,064          |
|                                   | 2022        | 146,315          | 12,906        | 31            | 159,190          | 3,506        | 35,587         | 124,413          |
|                                   | 2023        | 152,876          | 15,437        | 97            | 168,216          | 3,694        | 41,619         | 124,292          |
| Aruba                             | 2020        | *912             | ..            | ..            | *912             | *8,487       | *155           | 743              |
|                                   | 2021        | *955             | ..            | ..            | *955             | *8,883       | *155           | 783              |
|                                   | 2022        | *964             | ..            | ..            | *964             | *8,942       | *156           | 793              |
|                                   | 2023        | *966             | ..            | ..            | *966             | *8,949       | *156           | *810             |
| Bahamas                           | 2020        | 1,798            | ..            | ..            | 1,798            | 4,543        | 275            | 1,523            |
|                                   | 2021        | 2,016            | ..            | ..            | 2,016            | 5,087        | *286           | 1,730            |
|                                   | 2022        | 2,346            | ..            | ..            | 2,346            | 5,901        | *376           | 1,970            |
|                                   | 2023        | 2,302            | ..            | ..            | 2,302            | 5,764        | *283           | 2,020            |
| Barbados                          | 2020        | 1,016            | ..            | ..            | 1,016            | 3,607        | 122            | 894              |
|                                   | 2021        | 1,025            | ..            | ..            | 1,025            | 3,632        | 120            | 903              |
|                                   | 2022        | 1,068            | ..            | ..            | 1,068            | 3,782        | 130            | 939              |
|                                   | 2023        | 1,094            | ..            | ..            | 1,094            | 3,874        | *125           | 974              |
| Belize                            | 2020        | 433              | 270           | ..            | 703              | 1,800        | 94             | 557              |
|                                   | 2021        | 365              | 380           | ..            | 745              | 1,885        | 95             | 579              |
|                                   | 2022        | 466              | 323           | ..            | 789              | 1,960        | 105            | 622              |
|                                   | 2023        | 421              | 430           | ..            | 852              | 2,072        | 119            | 670              |
| Bolivia (Plur. State of)          | 2020        | 9,984            | ..            | ..            | 9,984            | 845          | 1,341          | 8,365            |
|                                   | 2021        | 10,884           | ..            | ..            | 10,884           | 912          | 1,454          | 9,011            |
|                                   | 2022        | 11,413           | ..            | ..            | 11,413           | 945          | 1,652          | 9,505            |
|                                   | 2023        | 11,971           | ..            | ..            | 11,971           | 978          | 1,506          | 10,072           |
| Bonaire, St Eustatius, Saba       | 2020        | 145              | ..            | ..            | 145              | 5,489        | 27             | 120              |
|                                   | 2021        | 156              | ..            | ..            | 156              | 5,716        | 26             | 121              |
|                                   | 2022        | 163              | ..            | ..            | 163              | 5,688        | 26             | 133              |
|                                   | 2023        | 179              | ..            | ..            | 179              | 5,971        | 24             | 144              |
| Brazil                            | 2020        | 621,198          | 25,113        | 395           | 645,916          | 3,096        | 137,369        | 508,548          |
|                                   | 2021        | 656,109          | 23,147        | 44            | 679,212          | 3,241        | 146,627        | 532,585          |
|                                   | 2022        | 677,372          | 17,887        | 4,979         | 690,280          | 3,282        | 139,139        | 550,942          |
|                                   | 2023        | 707,596          | 22,294        | 7,186         | 722,704          | 3,423        | 143,438        | 579,790          |
| British Virgin Islands            | 2020        | *205             | ..            | ..            | *205             | *5,531       | *36            | *169             |
|                                   | 2021        | *209             | ..            | ..            | *209             | *5,537       | *37            | *172             |
|                                   | 2022        | *213             | ..            | ..            | *213             | *5,570       | *38            | *176             |
|                                   | 2023        | 217              | ..            | ..            | 217              | 5,557        | 38             | 178              |

Table 34

## Electricity supply and consumption

Gigawatt-hours and kilowatt-hours per capita

| Country or area         | Year | Production | Imports | Exports | Supply |            | Consumption |        |
|-------------------------|------|------------|---------|---------|--------|------------|-------------|--------|
|                         |      |            |         |         | Total  | Per capita | EIOU+losses | TFC    |
| Cayman Islands          | 2020 | 668        | ..      | ..      | 668    | 9,721      | 3           | 665    |
|                         | 2021 | 678        | ..      | ..      | 678    | 9,677      | 2           | 677    |
|                         | 2022 | 698        | ..      | ..      | 698    | 9,748      | 7           | 691    |
|                         | 2023 | 754        | ..      | ..      | 754    | 10,319     | *8          | 745    |
| Chile                   | 2020 | 83,994     | ..      | ..      | 83,994 | 4,336      | 6,277       | 74,514 |
|                         | 2021 | 88,019     | ..      | ..      | 88,019 | 4,524      | 7,324       | 76,320 |
|                         | 2022 | 90,695     | ..      | ..      | 90,695 | 4,638      | 7,262       | 79,357 |
|                         | 2023 | 90,324     | ..      | ..      | 90,324 | 4,595      | 8,307       | 84,351 |
| Colombia                | 2020 | 79,550     | 1,302   | 251     | 80,600 | 1,592      | 14,935      | 65,907 |
|                         | 2021 | 84,054     | 479     | 364     | 84,170 | 1,644      | 15,335      | 68,826 |
|                         | 2022 | 85,993     | 159     | 465     | 85,687 | 1,656      | 15,105      | 70,198 |
|                         | 2023 | 89,270     | 174     | 1,244   | 88,199 | 1,686      | 15,775      | 71,417 |
| Costa Rica              | 2020 | 11,730     | 118     | 624     | 11,224 | 2,229      | 1,318       | 9,905  |
|                         | 2021 | 12,737     | 6       | 1,009   | 11,734 | 2,319      | 1,285       | 10,363 |
|                         | 2022 | 12,673     | 54      | 774     | 11,954 | 2,352      | 1,303       | 10,430 |
|                         | 2023 | 12,013     | 462     | 111     | 12,364 | 2,422      | 1,335       | 10,806 |
| Cuba                    | 2020 | 19,071     | 1,402   | ..      | 20,473 | 1,832      | 5,425       | 14,972 |
|                         | 2021 | 17,966     | 1,385   | ..      | 19,350 | 1,740      | 5,483       | 13,739 |
|                         | 2022 | 15,732     | 2,591   | ..      | 18,323 | 1,657      | 5,018       | 13,226 |
|                         | 2023 | 15,331     | 4,494   | ..      | 19,825 | 1,799      | 5,126       | 14,638 |
| Curaçao                 | 2020 | 864        | ..      | ..      | 864    | 4,668      | 133         | 730    |
|                         | 2021 | 860        | ..      | ..      | 860    | 4,640      | 123         | 736    |
|                         | 2022 | 869        | ..      | ..      | 869    | 4,688      | 114         | 754    |
|                         | 2023 | 916        | ..      | ..      | 916    | 4,942      | 119         | 797    |
| Dominica                | 2020 | 142        | ..      | ..      | 142    | 2,103      | 13          | *129   |
|                         | 2021 | 146        | ..      | ..      | 146    | 2,177      | 12          | *134   |
|                         | 2022 | 147        | ..      | ..      | 147    | 2,202      | 13          | *134   |
|                         | 2023 | 157        | ..      | ..      | 157    | 2,354      | 16          | *141   |
| Dominican Republic      | 2020 | 21,401     | ..      | ..      | 21,401 | 1,944      | 3,502       | 17,907 |
|                         | 2021 | 23,228     | ..      | ..      | 23,228 | 2,088      | 3,799       | 19,498 |
|                         | 2022 | 23,517     | ..      | ..      | 23,517 | 2,094      | 3,924       | 20,347 |
|                         | 2023 | 24,267     | ..      | ..      | 24,267 | 2,142      | 3,944       | 20,753 |
| Ecuador                 | 2020 | 31,248     | 251     | 1,341   | 30,158 | 1,719      | 4,737       | 25,418 |
|                         | 2021 | 32,214     | 364     | 524     | 32,054 | 1,813      | 4,915       | 26,976 |
|                         | 2022 | 33,008     | 466     | 192     | 33,282 | 1,867      | 5,289       | 27,797 |
|                         | 2023 | 35,362     | 1,321   | 545     | 36,138 | 2,010      | 6,456       | 29,380 |
| El Salvador             | 2020 | 6,219      | 774     | 131     | 6,861  | 1,101      | 990         | 5,988  |
|                         | 2021 | 6,361      | 1,316   | 34      | 7,644  | 1,222      | 1,302       | 6,571  |
|                         | 2022 | 7,584      | 706     | 338     | 7,952  | 1,266      | 1,042       | 7,162  |
|                         | 2023 | 7,762      | 169     | 560     | 7,371  | 1,168      | 913         | 7,498  |
| Falkland Is. (Malvinas) | 2020 | 18         | ..      | ..      | 18     | 5,214      | *1          | *17    |
|                         | 2021 | 19         | ..      | ..      | 19     | 5,334      | *1          | *18    |
|                         | 2022 | *19        | ..      | ..      | *19    | *5,509     | *1          | *18    |
|                         | 2023 | 20         | ..      | ..      | 20     | 5,677      | *2          | *18    |
| Grenada                 | 2020 | 227        | ..      | ..      | 227    | 1,951      | 23          | 204    |
|                         | 2021 | 233        | ..      | ..      | 233    | 2,000      | 22          | 211    |
|                         | 2022 | 252        | ..      | ..      | 252    | 2,154      | 21          | 231    |
|                         | 2023 | 269        | ..      | ..      | 269    | 2,293      | 27          | 242    |
| Guatemala               | 2020 | 12,013     | 1,085   | 1,156   | 11,942 | 688        | 1,560       | 10,381 |
|                         | 2021 | 13,061     | 1,141   | 1,116   | 13,086 | 744        | 1,712       | 11,760 |
|                         | 2022 | 12,852     | 1,481   | 1,104   | 13,229 | 741        | 1,978       | 11,252 |
|                         | 2023 | 13,289     | 1,944   | 1,064   | 14,169 | 782        | 2,273       | 12,228 |

## Electricity supply and consumption

Gigawatt-hours and kilowatt-hours per capita

| Country or area            | Year | Production | Imports | Exports | Supply  |            | Consumption |         |
|----------------------------|------|------------|---------|---------|---------|------------|-------------|---------|
|                            |      |            |         |         | Total   | Per capita | EIOU+losses | TFC     |
| Guyana                     | 2020 | 1,135      | ..      | ..      | 1,135   | 1,406      | 254         | 881     |
|                            | 2021 | 1,138      | ..      | ..      | 1,138   | 1,395      | 250         | 883     |
|                            | 2022 | 1,264      | ..      | ..      | 1,264   | 1,539      | 295         | 969     |
|                            | 2023 | 1,333      | ..      | ..      | 1,333   | 1,614      | 288         | 1,046   |
| Haiti                      | 2020 | 1,004      | ..      | ..      | 1,004   | 89         | 172         | 887     |
|                            | 2021 | 998        | ..      | ..      | 998     | 88         | 173         | 890     |
|                            | 2022 | 1,028      | ..      | ..      | 1,028   | 89         | 170         | 872     |
|                            | 2023 | 829        | ..      | ..      | 829     | 71         | 142         | 727     |
| Honduras                   | 2020 | 10,059     | 292     | 0       | 10,351  | 1,023      | 3,596       | 6,766   |
|                            | 2021 | 10,957     | 204     | 3       | 11,159  | 1,084      | 3,418       | 7,757   |
|                            | 2022 | 11,149     | 195     | 5       | 11,340  | 1,084      | 3,596       | 7,605   |
|                            | 2023 | 11,844     | 149     | 9       | 11,984  | 1,126      | 4,149       | 7,842   |
| Jamaica                    | 2020 | 4,821      | ..      | ..      | 4,821   | 1,703      | 1,779       | 3,873   |
|                            | 2021 | 5,058      | ..      | ..      | 5,058   | 1,783      | 1,972       | 3,646   |
|                            | 2022 | 5,145      | ..      | ..      | 5,145   | 1,812      | 1,975       | 3,506   |
|                            | 2023 | 4,936      | ..      | ..      | 4,936   | 1,738      | 1,306       | 3,956   |
| Mexico                     | 2020 | 331,494    | 9,965   | 5,955   | 335,504 | 2,646      | 55,896      | 299,959 |
|                            | 2021 | 350,364    | 1,737   | 2,693   | 349,408 | 2,737      | 63,630      | 295,041 |
|                            | 2022 | 364,709    | 2,147   | 2,421   | 364,435 | 2,834      | 62,555      | 299,995 |
|                            | 2023 | 380,359    | 2,075   | 3,112   | 379,322 | 2,924      | 67,860      | 305,410 |
| Montserrat                 | 2020 | 14         | ..      | ..      | 14      | 3,121      | 1           | 12      |
|                            | 2021 | 14         | ..      | ..      | 14      | 3,017      | 1           | 11      |
|                            | 2022 | 14         | ..      | ..      | 14      | 3,035      | 1           | 11      |
|                            | 2023 | 14         | ..      | ..      | 14      | 3,185      | 2           | 11      |
| Nicaragua                  | 2020 | 3,791      | 1,071   | 0       | 4,862   | 741        | 1,464       | 3,653   |
|                            | 2021 | 4,213      | 1,005   | 0       | 5,219   | 785        | 1,582       | 3,879   |
|                            | 2022 | 4,196      | 1,062   | ..      | 5,258   | 781        | 1,364       | 3,998   |
|                            | 2023 | 4,525      | 817     | ..      | 5,342   | 783        | 1,509       | 3,914   |
| Panama                     | 2020 | 13,394     | 117     | 567     | 12,944  | 3,015      | 2,018       | 11,064  |
|                            | 2021 | 14,289     | 63      | 502     | 13,851  | 3,187      | 1,789       | 12,186  |
|                            | 2022 | 14,166     | 235     | 392     | 14,009  | 3,183      | 983         | 12,655  |
|                            | 2023 | 14,625     | 127     | 270     | 14,482  | 3,248      | 1,162       | 13,381  |
| Paraguay                   | 2020 | 46,602     | ..      | 28,005  | 18,597  | 2,816      | 4,649       | 13,948  |
|                            | 2021 | 40,805     | ..      | 21,719  | 19,086  | 2,855      | 5,151       | 13,935  |
|                            | 2022 | 44,110     | ..      | 23,955  | 20,155  | 2,981      | 5,493       | 14,662  |
|                            | 2023 | 53,042     | ..      | 30,390  | 22,652  | 3,310      | 6,658       | 15,994  |
| Peru                       | 2020 | 52,803     | 37      | ..      | 52,841  | 1,609      | 7,194       | 45,647  |
|                            | 2021 | 57,483     | 43      | ..      | 57,526  | 1,735      | 7,742       | 49,784  |
|                            | 2022 | 59,807     | 32      | ..      | 59,839  | 1,788      | 7,676       | 52,159  |
|                            | 2023 | 62,193     | 13      | ..      | 62,206  | 1,838      | 7,772       | 54,410  |
| Puerto Rico                | 2020 | ..         | ..      | ..      | ..      | ..         | ..          | 16,035  |
|                            | 2021 | ..         | ..      | ..      | ..      | ..         | ..          | 16,269  |
|                            | 2022 | ..         | ..      | ..      | ..      | ..         | ..          | 15,683  |
|                            | 2023 | ..         | ..      | ..      | ..      | ..         | ..          | 16,654  |
| Saint Barthélemy           | 2020 | 121        | ..      | ..      | 121     | 11,490     | *5          | *116    |
|                            | 2021 | 133        | ..      | ..      | 133     | 12,362     | *8          | *125    |
|                            | 2022 | 143        | ..      | ..      | 143     | 13,094     | *10         | *133    |
|                            | 2023 | 146        | ..      | ..      | 146     | 13,215     | *12         | *135    |
| Saint Martin (French Part) | 2020 | 173        | ..      | ..      | 173     | 5,449      | *12         | *161    |
|                            | 2021 | 178        | ..      | ..      | 178     | 5,957      | *12         | *166    |
|                            | 2022 | 188        | ..      | ..      | 188     | 6,503      | *13         | *175    |
|                            | 2023 | 195        | ..      | ..      | 195     | 7,083      | *13         | *182    |

Table 34

## Electricity supply and consumption

Gigawatt-hours and kilowatt-hours per capita

| Country or area           | Year        | Production       | Imports       | Exports       | Supply           |               | Consumption    |                  |
|---------------------------|-------------|------------------|---------------|---------------|------------------|---------------|----------------|------------------|
|                           |             |                  |               |               | Total            | Per capita    | EIOU+losses    | TFC              |
| Sint Maarten (Dutch part) | 2020        | 265              | ..            | ..            | 265              | 6,450         | *8             | *257             |
|                           | 2021        | *286             | ..            | ..            | *286             | *6,873        | *9             | *277             |
|                           | 2022        | *291             | ..            | ..            | *291             | *6,915        | *10            | *281             |
|                           | 2023        | *297             | ..            | ..            | *297             | *6,953        | *11            | *286             |
| St. Kitts-Nevis           | 2020        | 243              | ..            | ..            | 243              | 5,181         | *47            | *196             |
|                           | 2021        | *239             | ..            | ..            | *239             | *5,118        | *46            | *194             |
|                           | 2022        | *245             | ..            | ..            | *245             | *5,253        | *47            | *198             |
|                           | 2023        | *249             | ..            | ..            | *249             | *5,333        | *46            | *203             |
| St. Lucia                 | 2020        | 372              | ..            | ..            | 372              | 2,088         | 36             | 336              |
|                           | 2021        | 391              | ..            | ..            | 391              | 2,190         | 38             | 353              |
|                           | 2022        | 409              | ..            | ..            | 409              | 2,290         | 36             | 374              |
|                           | 2023        | 424              | ..            | ..            | 424              | 2,362         | 37             | 387              |
| St. Vincent-Grenadines    | 2020        | 152              | ..            | ..            | 152              | 1,471         | 14             | 140              |
|                           | 2021        | 145              | ..            | ..            | 145              | 1,409         | 15             | 138              |
|                           | 2022        | 156              | ..            | ..            | 156              | 1,526         | *18            | *138             |
|                           | 2023        | 163              | ..            | ..            | 163              | 1,611         | *18            | *145             |
| Suriname                  | 2020        | 1,730            | ..            | ..            | 1,730            | 2,825         | 272            | 1,354            |
|                           | 2021        | 1,594            | ..            | ..            | 1,594            | 2,579         | 277            | 1,309            |
|                           | 2022        | 2,097            | ..            | ..            | 2,097            | 3,365         | 295            | 1,800            |
|                           | 2023        | 2,061            | ..            | ..            | 2,061            | 3,278         | 291            | 1,774            |
| Trinidad and Tobago       | 2020        | 9,225            | ..            | ..            | 9,225            | 6,229         | 759            | 8,463            |
|                           | 2021        | 9,262            | ..            | ..            | 9,262            | 6,225         | 759            | 8,497            |
|                           | 2022        | 9,577            | ..            | ..            | 9,577            | 6,402         | 922            | 8,656            |
|                           | 2023        | 9,516            | ..            | ..            | 9,516            | 6,332         | *743           | 8,767            |
| Turks and Caicos Islands  | 2020        | *240             | ..            | ..            | *240             | *5,418        | *21            | 219              |
|                           | 2021        | *284             | ..            | ..            | *284             | *6,276        | *24            | 260              |
|                           | 2022        | *304             | ..            | ..            | *304             | *6,632        | *28            | 276              |
|                           | 2023        | *306             | ..            | ..            | *306             | *6,624        | *26            | *280             |
| United States Virgin Is.  | 2020        | 674              | ..            | ..            | 674              | 7,682         | *61            | 613              |
|                           | 2021        | 720              | ..            | ..            | 720              | 8,249         | *75            | 645              |
|                           | 2022        | 703              | ..            | ..            | 703              | 8,128         | *53            | 650              |
|                           | 2023        | 699              | ..            | ..            | 699              | 8,156         | *43            | 679              |
| Uruguay                   | 2020        | 13,557           | 515           | 1,148         | 12,924           | 3,802         | 1,685          | 11,346           |
|                           | 2021        | 15,953           | 55            | 2,844         | 13,165           | 3,876         | 1,752          | 11,532           |
|                           | 2022        | 14,759           | 84            | 1,416         | 13,427           | 3,960         | 1,788          | 11,750           |
|                           | 2023        | 12,877           | 1,398         | 244           | 14,031           | 4,141         | 1,751          | 12,370           |
| Venezuela (Bolivar. Rep.) | 2020        | 82,559           | 0             | 14            | 82,546           | 2,902         | *19,356        | 63,189           |
|                           | 2021        | 84,818           | 0             | 0             | 84,818           | 3,004         | *19,217        | *65,601          |
|                           | 2022        | 88,592           | 0             | 0             | 88,592           | 3,140         | 20,607         | 67,987           |
|                           | 2023        | 82,801           | 0             | 0             | 82,801           | 2,926         | *19,020        | *63,781          |
| <b>Northern America</b>   | <b>2020</b> | <b>4,913,225</b> | <b>71,233</b> | <b>81,556</b> | <b>4,902,902</b> | <b>12,980</b> | <b>602,455</b> | <b>4,296,843</b> |
|                           | <b>2021</b> | <b>5,023,167</b> | <b>66,046</b> | <b>74,248</b> | <b>5,014,965</b> | <b>13,241</b> | <b>641,959</b> | <b>4,364,078</b> |
|                           | <b>2022</b> | <b>5,155,189</b> | <b>70,928</b> | <b>81,481</b> | <b>5,144,636</b> | <b>13,521</b> | <b>598,560</b> | <b>4,540,224</b> |
|                           | <b>2023</b> | <b>5,086,780</b> | <b>60,465</b> | <b>69,641</b> | <b>5,077,604</b> | <b>13,261</b> | <b>644,992</b> | <b>4,425,125</b> |
| Bermuda                   | 2020        | *590             | ..            | ..            | *590             | *9,164        | *72            | 518              |
|                           | 2021        | 579              | ..            | ..            | 579              | 8,964         | 57             | 523              |
|                           | 2022        | 578              | ..            | ..            | 578              | 8,933         | 54             | 524              |
|                           | 2023        | 569              | ..            | ..            | 569              | 8,796         | 53             | *520             |
| Canada                    | 2020        | 651,973          | 9,784         | 67,421        | 594,336          | 15,570        | 72,786         | 518,135          |
|                           | 2021        | 647,291          | 12,879        | 60,393        | 599,777          | 15,597        | 66,092         | 524,945          |
|                           | 2022        | 658,578          | 13,958        | 65,723        | 606,813          | 15,631        | 68,103         | 533,046          |
|                           | 2023        | 633,002          | 21,548        | 49,628        | 604,922          | 15,393        | 67,720         | 529,902          |

## Electricity supply and consumption

Gigawatt-hours and kilowatt-hours per capita

| Country or area             | Year        | Production     | Imports | Exports | Supply         |              | Consumption   |                |
|-----------------------------|-------------|----------------|---------|---------|----------------|--------------|---------------|----------------|
|                             |             |                |         |         | Total          | Per capita   | EIOU+losses   | TFC            |
| Greenland                   | 2020        | 567            | ..      | ..      | 567            | 10,108       | 27            | 351            |
|                             | 2021        | 570            | ..      | ..      | 570            | 10,168       | 29            | 353            |
|                             | 2022        | 615            | ..      | ..      | 615            | 10,978       | 28            | *398           |
|                             | 2023        | 621            | ..      | ..      | 621            | 11,107       | 29            | 401            |
| St. Pierre-Miquelon         | 2020        | 51             | ..      | ..      | 51             | 8,788        | 3             | *49            |
|                             | 2021        | 51             | ..      | ..      | 51             | 8,774        | 2             | *49            |
|                             | 2022        | 50             | ..      | ..      | 50             | 8,673        | 2             | *48            |
|                             | 2023        | 49             | ..      | ..      | 49             | 8,594        | 2             | *46            |
| United States               | 2020        | 4,260,044      | 61,449  | 14,135  | 4,307,358      | 12,690       | 529,568       | 3,777,790      |
|                             | 2021        | 4,374,676      | 53,167  | 13,855  | 4,413,988      | 12,976       | 575,779       | 3,838,209      |
|                             | 2022        | 4,495,368      | 56,970  | 15,758  | 4,536,580      | 13,283       | 530,372       | 4,006,208      |
|                             | 2023        | 4,452,539      | 38,917  | 20,013  | 4,471,443      | 13,018       | 577,187       | 3,894,256      |
| <b>Oceania</b>              | <b>2020</b> | <b>321,821</b> | ..      | ..      | <b>321,821</b> | <b>7,301</b> | <b>54,452</b> | <b>266,585</b> |
|                             | <b>2021</b> | <b>322,217</b> | ..      | ..      | <b>322,217</b> | <b>7,232</b> | <b>55,197</b> | <b>266,216</b> |
|                             | <b>2022</b> | <b>329,078</b> | ..      | ..      | <b>329,078</b> | <b>7,305</b> | <b>56,597</b> | <b>271,317</b> |
|                             | <b>2023</b> | <b>332,365</b> | ..      | ..      | <b>332,365</b> | <b>7,295</b> | <b>55,588</b> | <b>275,305</b> |
| American Samoa              | 2020        | 180            | ..      | ..      | 180            | 3,626        | 23            | *157           |
|                             | 2021        | 183            | ..      | ..      | 183            | 3,720        | 24            | *160           |
|                             | 2022        | 180            | ..      | ..      | 180            | 3,731        | 20            | *160           |
|                             | 2023        | *183           | ..      | ..      | *183           | *3,843       | *20           | *162           |
| Australia                   | 2020        | 265,178        | ..      | ..      | 265,178        | 10,301       | 48,521        | 216,657        |
|                             | 2021        | 265,554        | ..      | ..      | 265,554        | 10,231       | 49,308        | 216,247        |
|                             | 2022        | 271,532        | ..      | ..      | 271,532        | 10,363       | 50,691        | 220,841        |
|                             | 2023        | 274,475        | ..      | ..      | 274,475        | 10,377       | 50,098        | 224,377        |
| Cook Islands                | 2020        | 35             | ..      | ..      | 35             | 2,230        | *2            | *32            |
|                             | 2021        | 34             | ..      | ..      | 34             | 2,221        | *2            | *32            |
|                             | 2022        | 38             | ..      | ..      | 38             | 2,548        | 2             | *36            |
|                             | 2023        | 44             | ..      | ..      | 44             | 3,067        | *2            | *41            |
| Fiji                        | 2020        | 989            | ..      | ..      | 989            | 1,081        | *115          | 874            |
|                             | 2021        | 949            | ..      | ..      | 949            | 1,035        | *120          | 829            |
|                             | 2022        | 1,093          | ..      | ..      | 1,093          | 1,189        | *132          | 961            |
|                             | 2023        | 1,133          | ..      | ..      | 1,133          | 1,226        | *140          | *993           |
| French Polynesia            | 2020        | 668            | ..      | ..      | 668            | 2,392        | 39            | 623            |
|                             | 2021        | 672            | ..      | ..      | 672            | 2,401        | 39            | 633            |
|                             | 2022        | 680            | ..      | ..      | 680            | 2,427        | 37            | 643            |
|                             | 2023        | 698            | ..      | ..      | 698            | 2,483        | 42            | 657            |
| Guam                        | 2020        | 1,683          | ..      | ..      | 1,683          | 10,378       | 160           | 1,523          |
|                             | 2021        | *1,712         | ..      | ..      | *1,712         | *10,455      | 157           | 1,555          |
|                             | 2022        | *1,703         | ..      | ..      | *1,703         | *10,307      | 152           | *1,550         |
|                             | 2023        | *1,595         | ..      | ..      | *1,595         | *9,579       | 147           | *1,448         |
| Kiribati                    | 2020        | *37            | ..      | ..      | *37            | *296         | *6            | *31            |
|                             | 2021        | *38            | ..      | ..      | *38            | *294         | *6            | *32            |
|                             | 2022        | *38            | ..      | ..      | *38            | *293         | *6            | *32            |
|                             | 2023        | *38            | ..      | ..      | *38            | *288         | *6            | *32            |
| Marshall Islands            | 2020        | *82            | ..      | ..      | *82            | *1,922       | *21           | *61            |
|                             | 2021        | *82            | ..      | ..      | *82            | *1,985       | *21           | *61            |
|                             | 2022        | *81            | ..      | ..      | *81            | *2,026       | *21           | *60            |
|                             | 2023        | *80            | ..      | ..      | *80            | *2,063       | *20           | *60            |
| Micronesia (Fed. States of) | 2020        | *92            | ..      | ..      | *92            | *831         | *27           | *65            |
|                             | 2021        | 90             | ..      | ..      | 90             | 806          | 25            | *65            |
|                             | 2022        | 92             | ..      | ..      | 92             | 819          | *25           | *67            |
|                             | 2023        | 90             | ..      | ..      | 90             | 800          | *22           | *68            |

Table 34

## Electricity supply and consumption

Gigawatt-hours and kilowatt-hours per capita

| Country or area          | Year | Production | Imports | Exports | Supply |            | Consumption |        |
|--------------------------|------|------------|---------|---------|--------|------------|-------------|--------|
|                          |      |            |         |         | Total  | Per capita | EIOU+losses | TFC    |
| Nauru                    | 2020 | 38         | ..      | ..      | 38     | 3,271      | *10         | 30     |
|                          | 2021 | 43         | ..      | ..      | 43     | 3,693      | *10         | 33     |
|                          | 2022 | *46        | ..      | ..      | *46    | *3,864     | *10         | *36    |
|                          | 2023 | *46        | ..      | ..      | *46    | *3,857     | *10         | *36    |
| New Caledonia            | 2020 | 3,233      | ..      | ..      | 3,233  | 11,376     | 67          | 3,166  |
|                          | 2021 | 2,910      | ..      | ..      | 2,910  | 10,202     | 66          | 2,844  |
|                          | 2022 | 3,148      | ..      | ..      | 3,148  | 10,965     | 56          | 3,092  |
|                          | 2023 | 3,418      | ..      | ..      | 3,418  | 11,792     | 62          | 3,356  |
| New Zealand              | 2020 | 44,530     | ..      | ..      | 44,530 | 8,783      | 4,966       | 38,778 |
|                          | 2021 | 44,613     | ..      | ..      | 44,613 | 8,734      | 4,918       | 38,892 |
|                          | 2022 | 44,663     | ..      | ..      | 44,663 | 8,703      | 4,939       | 38,558 |
|                          | 2023 | 44,662     | ..      | ..      | 44,662 | 8,634      | 4,495       | 38,694 |
| Niue                     | 2020 | *4         | ..      | ..      | *4     | *2,151     | *1          | *3     |
|                          | 2021 | *4         | ..      | ..      | *4     | *2,135     | *1          | *3     |
|                          | 2022 | *4         | ..      | ..      | *4     | *2,180     | *1          | *4     |
|                          | 2023 | *4         | ..      | ..      | *4     | *2,240     | *1          | *4     |
| Northern Mariana Islands | 2020 | *293       | ..      | ..      | *293   | *6,165     | *63         | *230   |
|                          | 2021 | *305       | ..      | ..      | *305   | *6,492     | *66         | *239   |
|                          | 2022 | *308       | ..      | ..      | *308   | *6,684     | *63         | *245   |
|                          | 2023 | *311       | ..      | ..      | *311   | *6,896     | *68         | *243   |
| Palau                    | 2020 | *96        | ..      | ..      | *96    | *5,396     | *10         | *86    |
|                          | 2021 | *97        | ..      | ..      | *97    | *5,455     | *10         | *87    |
|                          | 2022 | *97        | ..      | ..      | *97    | *5,462     | *10         | *87    |
|                          | 2023 | *99        | ..      | ..      | *99    | *5,581     | *10         | *89    |
| Papua New Guinea         | 2020 | *4,207     | ..      | ..      | *4,207 | *429       | 368         | 3,844  |
|                          | 2021 | *4,456     | ..      | ..      | *4,456 | *445       | 372         | 4,084  |
|                          | 2022 | *4,887     | ..      | ..      | *4,887 | *479       | 378         | 4,509  |
|                          | 2023 | *4,956     | ..      | ..      | *4,956 | *477       | *382        | *4,574 |
| Samoa                    | 2020 | 172        | ..      | ..      | 172    | 814        | 16          | 157    |
|                          | 2021 | 171        | ..      | ..      | 171    | 798        | 19          | 152    |
|                          | 2022 | 172        | ..      | ..      | 172    | 798        | 19          | 154    |
|                          | 2023 | 202        | ..      | ..      | 202    | 933        | 21          | 181    |
| Solomon Islands          | 2020 | 118        | ..      | ..      | 118    | 158        | 21          | *97    |
|                          | 2021 | 118        | ..      | ..      | 118    | 154        | 20          | *98    |
|                          | 2022 | 119        | ..      | ..      | 119    | 152        | 20          | 99     |
|                          | 2023 | 126        | ..      | ..      | 126    | 157        | 22          | 103    |
| Tonga                    | 2020 | 73         | ..      | ..      | 73     | 693        | 8           | *65    |
|                          | 2021 | 75         | ..      | ..      | 75     | 710        | 8           | *67    |
|                          | 2022 | 78         | ..      | ..      | 78     | 744        | 9           | *70    |
|                          | 2023 | *85        | ..      | ..      | *85    | *811       | *11         | *74    |
| Tuvalu                   | 2020 | 10         | ..      | ..      | 10     | 928        | 1           | 9      |
|                          | 2021 | *10        | ..      | ..      | *10    | *994       | *1          | *9     |
|                          | 2022 | *10        | ..      | ..      | *10    | *1,018     | *1          | *9     |
|                          | 2023 | *10        | ..      | ..      | *10    | *1,052     | *1          | *9     |
| Vanuatu                  | 2020 | 80         | ..      | ..      | 80     | 267        | 5           | 73     |
|                          | 2021 | 79         | ..      | ..      | 79     | 258        | 4           | 72     |
|                          | 2022 | 83         | ..      | ..      | 83     | 265        | 4           | 80     |
|                          | 2023 | 84         | ..      | ..      | 84     | 263        | 5           | *80    |
| Wallis and Futuna Is.    | 2020 | *23        | ..      | ..      | *23    | *1,965     | 2           | *21    |
|                          | 2021 | *24        | ..      | ..      | *24    | *2,037     | 2           | *22    |
|                          | 2022 | *26        | ..      | ..      | *26    | *2,226     | 2           | *23    |
|                          | 2023 | *27        | ..      | ..      | *27    | *2,353     | *2          | *25    |