The consumptive water footprint of the European Union energy sector

Davy Vanham¹, Hrvoje Medarac³, Joep Schyns², Rick J. Hogeboom², Davide Magagna³

¹ European Commission, Joint Research Centre, Ispra, Italy

² Twente Water Centre, University of Twente, Enschede 7522NB, The Netherlands

³ European Commission, Joint Research Centre, Petten, The Netherlands
Figure S1: The energy balance for the EU in the year 2015. Source EUROSTAT(1). Note that imports and exports include both extra-EU and intra-EU trade flows.
1 Detailed description methodology:

1.1 WF of fossil fuels: solids (coal, peat, oil shale)

Coal provides 16% of gross inland energy consumption in the EU, while peat and oil shale account for 0.1% and 0.2% respectively. The WF of solids comprises all three stages of the supply chain. In the first stage, water is required to produce solids (fuel supply). We use the Coal Mines Database (2) and unit WF values from multiple sources (3-5). Coal mining is a water-intensive process. Water is used mainly for the suppression of dust and for coal washing. The spatially distributed results are displayed in Supplementary Figure 2.

The WF for phase 2 (construction) is obtained from Mekonnen et Al (6). To compute the WF of operation of coal-fired power plants, we use the JRC-Power Plants Database (7) and WF unit amounts from Macknick et al (5). Coal is mainly used within the power sector, where coal-fired power plants account for 24% of the EU power generation mix. Solid-fired power plants use steam processes for generating power. Water is used mainly for cooling purposes and a small amount of water is used to cover water losses in the steam cycle. The spatially distributed results are displayed in Figure 2. EUROSTAT provided the countries of origin for imported solids.
1.2 WF of fossil fuels: oil

The WF of oil comprises all three stages of the supply chain. Stage 1 comprises two activities: the production of oil and the refinement of oil. The production of oil is in this study defined as the extraction of oil from crude oil fields as well as from oil recovery. Only on-shore (fresh water) and not off shore (seawater) production is accounted for. Water abstraction is assumed to equal water consumption. We use the oil production database Rystad Energy UCube (8) and Worldwide Refinery Survey (9) as well as unit WF amounts from Macknick et al (5). The spatially distributed results are displayed in Supplementary Figures 3 and 4.

The WF for phase 2 (construction) is obtained from Mekonnen et Al (6). To compute the WF of operation of oil-fired power plants, we use the JRC-Power Plants Database (7) and WF unit amounts from Macknick et al (5). Oil-fired power plants use water for cooling and covering water losses in the steam cycle in boiler and turbine. Spatially distributed results are displayed in Supplementary Figure 5. EUROSTAT provided the countries of origin for imported oil, for which a WF of oil production (stage 1) is only relevant for on-shore production. Globally, nearly 30% of total crude oil production is off-shore.

1.3 WF of fossil fuels: gas

The WF of gas comprises all three stages of the supply chain. In the case of gas production (stage 1), fresh water is employed for drilling production in on-shore wells. Off-shore wells employ seawater in their operation. Conventional gas, like oil, is extracted through wells. However, whilst most oil wells require the use of water to facilitate the flow of oil to the surface, gas is naturally under pressure and flows spontaneously through the wellbore. Therefore, water consumption for the extraction of conventional gas is normally restricted to the drilling process of the well. In the case of unconventional gas, the water is used in the process of gas extraction during the fracking phase. The data for 2015 is based on unconventional gas production only. We calculate the WF based upon the location and characteristics of gas fields from Rystad Energy UCube (8) and unit WF amounts from Macknick et al (5). Locations of gas
fields: Rystad Energy UCube 2018 (8). The spatially distributed results are displayed in Supplementary Figure 6.

The WF for phase 2 (construction) is obtained from Mekonnen et Al (6). To compute the WF of operation of gas-fired power plants, we use the JRC-Power Plants Database (7) and WF unit amounts from Macknick et al (5). Gas power plants can use either gas turbines, steam turbines or a combination of both. Gas turbines do not require the use of water. Steam turbines need water mainly for cooling purposes and to cover for water losses in the steam cycle in boiler and turbine. Spatially distributed results are displayed in Supplementary Figure 7. EUROSTAT provided the countries of origin for imported gas.

1.4 WF of nuclear energy

The WF of nuclear energy comprises all three stages of the supply chain. The WF of fuel supply (stage 1) is based upon Meldrum et al (3). Extraction and processing of uranium occurs for 98.4% outside and for 1.6% inside the EU, whereas conversion takes for 100% place in the EU (Comurhex, France), as does centrifugal enrichment (France, UK, Netherlands, Germany) and fuel fabrication. The WF for phase 2 (construction) we obtain from Mekonnen et Al (6). To compute the WF of operation of nuclear power plants, we use the JRC-Power Plants Database (7) and WF unit amounts from Macknick et al (5), more particularly for nuclear tower steam (706 m$^3$/TJ), nuclear once-through steam (283 m$^3$/TJ) and nuclear pond steam (642 m$^3$/TJ). Nuclear power plants generate power in steam processes where most of the water is used for cooling purposes. The amount of water which is also used to cover water losses in the steam cycle is minimal, since the steam is generated in heat exchanging process. Spatially distributed results are displayed in Figure 2.
1.5 WF of renewable energy: reservoir hydropower and run-of-river (ROR) hydropower

For both reservoir and ROR hydropower, the WF of the first supply chain stage (fuel supply) is zero. The WF of construction for reservoir and ROR hydropower is 1 m³/TJ, a value based upon Mekonnen et al (6). For ROR hydropower, the WF amount for operation is zero. For reservoir hydropower this value is substantial, due to evaporation losses from the reservoir. We obtain our values from the global spatially explicit modelling study of Hogeboom et al (10). The total WF of reservoirs is distributed by means of economic allocation to different economic activities, one of which hydroelectricity generation. We take these values for our assessment. We also obtain the WF of construction from this study.

1.6 WF of renewable energy: wind and solar

For both wind and solar energy, the WF of the first supply chain stage (fuel supply) is zero. The WF of construction for wind is with 1 m³/TJ small, whereas for solar it is with 90 m³/TJ considerate (6). Latter value is in line with Meldrum et al (3). For the third stage (operation), the WF values for wind and solar are taken from Mekonnen et Al (6). In order to calculate the WF of consumption for the first stage, it is considered that for 6.1 GW solar photovoltaics (PV) installed annually in the EU, photovoltaics for only 1 GW were produced within EU factories.

1.7 WF of renewable energy: geothermal

For geothermal energy, the WF of the first supply chain stage (fuel supply) is zero. The WF of construction is based upon Mekonnen et Al (6). To compute the WF of operation (phase 3) of geothermal power plants, we use the EGES Geothermal Market Report (11) for characteristics and location and WF unit amounts from Macknick et al (5). Water use in geothermal power plants depends on the technology employed, the temperature of the geothermal reservoir and on the type of cooling system employed. Dry steam and single flash technologies, which employ high temperature water and steam from the reservoir, may employ fresh-water only for cooling. Binary geothermal technology employs fresh-water for power
generation. Dry steam and single-flash which are the most used technologies in the EU, accounting for 40% and 42% of the total respectively (12). Spatially distributed results are displayed in Supplementary Figure 8.

1.8 WF of renewable energy: 1st generation biofuels

Biodiesel and bioethanol production and consumption statistics for the EU were assembled from EUROSTAT (13) and the EU Agricultural Outlook report of DG AGRI (14). The EUROSTAT data are reference data, in line with the EU energy reference scenario (15). In 2015, biodiesel production amounted to 10,984 ktoe, of which 9,183 ktoe 1st generation biodiesel, 1,743 ktoe from waste oils and 57 ktoe other 2nd generation biofuels. Gross consumption of biodiesel amounted to 11,412 ktoe, of which 9,503 ktoe 1st generation biodiesel. Bioethanol production amounted to 2,191 ktoe, of which 2,157 ktoe 1st generation biodiesel and 34 ktoe 2nd generation bioethanol. Gross consumption of bioethanol amounted to 2,705 ktoe, of which 2,658 ktoe 1st generation bioethanol. We only account for the WF of 1st generation biofuels, which are by far the dominant production and use amounts in the EU. Feedstocks and their origin are derived from different data sources (13, 14, 16). The country of origin of imported feedstocks as well as bioethanol and biodiesel is obtained from a combination of EUROSTAT databases (17-19). The resulting data are summarized in Supplementary Tables 1 to 4.

Average EU feedstock specific WF amounts (stage fuel supply: crop cultivation) are obtained from an international database (20, 21) as a result of weighting national values according to the total production of the feedstock within a country (22). Other supply chain WF values are for biofuel processing (fuel supply)(4) and construction (6) (of biofuel processing plants). An operation WF (for transformation to electricity) is not relevant, as the amount we quantify is for transport only. Resulting values are summarized in Supplementary Tables 1 to 4.
1.9  WF of renewable energy: wood

A detailed description of the methodology to compute the WF of energy from wood for the EU is given by Schyns and Vanham (23), which is based upon Schyns et al (24), who estimated forest evapotranspiration at 30 x 30 arc minute and attributed part of the resulting values to wood production and part to other ecosystem services. The overall production of primary and secondary wood for energy amounts to 57,421 ktoe. Trade in fuelwood and charcoal in 2015 has been taken from EUROSTAT (18). Consumption of wood for energy amounts to 63,715 ktoe. The resulting data are summarized in Supplementary Table 5.

Other supply chain WF values are for construction (6) and operation (6), the latter when wood is used for electricity production.

1.10 WF of renewable energy: electricity from biomass

To compute the WF of operation (phase 3) of biomass-fired power plants, we use the JRC-EU-TIMES model (25) and WF unit amounts from Macnick et al (5). Gross electricity production from total biomass and waste per member state is shown in Supplementary Table 6. Power plants fuelled by biomass are based on various technologies, from anaerobic digestion where bio-origin gas is used in internal combustion engines to steam-based processes similar to power plants using solid fuels. Water consumption depends on technology, and on the heating and cooling technique. Spatially distributed results are displayed in Supplementary Figure 9.
Figure S2: Blue WF of production for oil production (first stage – fuel production) in EU NUTS-2 regions. Total amount 66 million m$^3$/yr.
Figure S3: Blue WF of production for oil production (first stage – oil refining) in EU NUTS-2 regions. Total amount 105 million m$^3$/yr. Location and characteristics database the Worldwide Refinery Survey(9)
Figure S4: Blue WF of oil-fired power plants (third stage – operations or energy transformation) in EU NUTS-2 regions. Only freshwater is accounted for. Total amount 6.6 million m$^3$/yr. Location of power plants as in the JRC-Power Plants Database(7) and the Worldwide Refinery Survey(9)
Figure S5: Blue WF of production for gas production (first stage – fuel production) in EU NUTS-2 regions. Total amount 0.2 million m³/yr. The analysis of water use for conventional gas production was based on the data for newly discovered fields starting from 2018. This means that the data for 2015 is based on unconventional gas production only. With this in mind, in 2015 there were only 10 regions in the EU producing unconventional onshore gas using fresh water in the process. Locations of gas fields: Rystad Energy UCube 2018(8)
Figure S6: Blue WF of gas-fired power plants (third stage – operations or energy transformation) in EU NUTS-2 regions. Only freshwater is accounted for. Total amount 200 million m$^3$/yr. Location of power plants as in the JRC-Power Plants Database(7)
Figure S7: Blue WF of geothermal power plants (third stage – operations or energy transformation) in EU NUTS-2 regions. Only freshwater is accounted for. Total amount 0.8 million m³/yr. Location of power plants as in the database EGES Geothermal Market Report(11).
Table S1: WF of biodiesel production in the EU, year 2015, based upon different data sources(4, 6, 13, 14, 16, 20, 21)

| Stage                                    | Crop                        | ktoe | TJ        | WF green in m^3/TJ | WF blue in m^3/TJ | WF green 10^6 m^3 | WF blue 10^6 m^3 |
|------------------------------------------|-----------------------------|------|-----------|--------------------|-------------------|-------------------|------------------|
| vegetable oils from EU grown oilseeds    | Fuel supply: Crop cultivation | Rapeseed oil | 5,501 | 230,327 | 118,900 | 259 | 27,386 | 60 |
|                                          |                             | Sunflower oil | 175   | 7,324  | 337,342 | 21,545 | 2,471 | 158 |
|                                          |                             | Soybean oil   | 446   | 18,675 | 245,228 | 32,928 | 4,580 | 615 |
|                                          | Weighted Average            |                |       |         | 134,345 | 3,247 |        |      |
|                                          | Total                       |                | 6,122 | 256,326 |          |      | 34,436 | 832 |
| Fuel supply: Biodiesel Processing(4)     |                             |                |       |         | 31       |      | 8     |      |
| Fuel supply: Crop cultivation + biodiesel processing | Weighted Average |                |       |         | 134,345 | 3,278 |        |      |
| vegetable oils from imported oilseeds     | Fuel supply: Crop cultivation |                | 3,061 | 128,163 | Not relevant | Not relevant | Not relevant | Not relevant |
|                                          | Fuel supply: Biodiesel Processing(4) |                |       |         | 31       |      | 4     |      |
|                                          | Total                       | Construction  | 9,183 | 384,489 | 1         | 0.38 |        |      |
|                                          | All                         |                |       |         |          |      | 34,436 | 845 |
Table S2: WF of biodiesel consumption in the EU, year 2015, based upon different data sources(4, 6, 13, 14, 16-18, 20, 21)

| Stage                                      | Crop                     | ktoe | TJ   | WF green in m³/TJ | WF blue in m³/TJ | WF green 10⁶ m³ | WF blue 10⁶ m³ |
|--------------------------------------------|--------------------------|------|------|-------------------|------------------|-----------------|----------------|
| vegetable oils from EU grown oilseeds      | Rapeseed oil             | 4,005| 167,689| 118,900           | 259              | 19,938          | 43             |
|                                            | Sunflower oil            | 127  | 5,332 | 337,342           | 21,545           | 1,799           | 115            |
|                                            | Soybean oil              | 325  | 13,596| 245,228           | 32,928           | 3,334           | 448            |
| vegetable oils from imported oilseeds      | Rapeseed oil             | 2,003| 83,844| 233,957           | 2,518            | 19,616          | 211            |
|                                            | Sunflower oil            | 64   | 2,666 | 418,129           | 9,359            | 1,115           | 25             |
|                                            | Soybean oil              | 162  | 6,798 | 309,812           | 7,996            | 2,106           | 54             |
| Imported oil seed oils                     | Rapeseed oil             | 166  | 6,961 | 256,516           | 6,308            | 1,786           | 44             |
|                                            | Sunflower oil            | 5    | 221   | 438,711           | 7,470            | 97              | 2              |
|                                            | Soybean oil              | 13   | 564   | 309,812           | 7,996            | 175             | 5              |
| Imported palm oil                          | Palm oil                 | 2,632| 110,210| 128,995          | 0                | 14,216          | 0              |
| Total                                      |                          | 9,503| 397,882| 161,309         | 2,379           | **64,182**      | **946**        |

Fuel supply: Biodiesel Processing

| Construction                               |                          |      |      |                  |                  | 31              | 12             |

Construction

| Total                                      |                          | 9,503| 397,882| 161,309         | 2,379           | **64,182**      | **959**        |
Table S3: WF of bioethanol production in the EU, year 2015, based upon different data sources(4, 6, 13, 14, 16, 20, 21)

| Stage                                           | Crop                      | ktoe | TJ  | WF green in m³/TJ | WF blue in m³/TJ | WF green 10⁶ m³ | WF blue 10⁶ m³ |
|------------------------------------------------|----------------------------|------|-----|-------------------|------------------|-----------------|----------------|
| vegetable oils from EU grown oilseeds Fuel supply: Crop cultivation wheat | 663                         | 27,751 | 79,737 | 593 | 2,213 | 16 |
| sugarbeet                                       | 506                         | 21,193 | 23,205 | 1,472 | 492 | 31 |
| maize                                           | 824                         | 34,499 | 58,474 | 9,016 | 2,017 | 311 |
| Weighted Average                                |                             |       |       |       | 56,588 |       | 4,298 |
| Total                                           |                             | 1,993 | 83,444 |       |       | 4,722 | 359 |
| Fuel supply: Bioethanol Processing(4)           |                             |       |       |       | 145 |       | 12 |
| Fuel supply: Crop cultivation + biodiesel processing Weighted Average |                             |       |       | 56,588 | 4,443 |       |       |
| vegetable oils from imported feedstock Fuel supply: Crop cultivation | 164                         | 5,111 |       | Not relevant | Not relevant | Not relevant | Not relevant |
| Fuel supply: Bioethanol Processing(4)           |                             |       |       | 145 |       | 0.7 |
| Total Construction                              | 2,157                       | 88,555 |       | 1 |       | 0.1 |
| All                                             |                             |       |       | 4,722 |       | 372 |
Table S4: WF of bioethanol consumption in the EU, year 2015, based upon different data sources(4, 6, 13, 14, 16-18, 20, 21)

| Stage                                             | Crop                  | ktoe | TJ      | WF green in m³/TJ | WF blue in m³/TJ | WF green 10⁶ m³ | WF blue 10⁶ m³ |
|---------------------------------------------------|-----------------------|------|---------|-------------------|------------------|-----------------|----------------|
| vegetable oils from EU grown feedstock            | wheat                 | 652  | 27,288  | 79,737            | 593              | 2,176           | 16             |
|                                                  | sugarbeet             | 498  | 20,840  | 23,205            | 1,472            | 484             | 31             |
|                                                  | maize                 | 810  | 33,924  | 58,474            | 9,016            | 1,984           | 306            |
| vegetable oils from imported feedstock            | maize                 | 161  | 6,747   | 102,054           | 8,479            | 689             | 57             |
| Net import oils                                   | Different feedstocks  | 537  | 22,475  | 65,998            | 14,492           | 1,483           | 326            |
| Total                                             |                       | 2,658| 111,275 | 61,245            | 6,611            | **6,815**       | **736**        |
| Fuel supply: Bioethanol Processing                |                       |      |         |                   | 145              |                 | 16             |
| Construction                                      |                       |      |         |                   | 1                | 0.1             |                |
| Total                                             |                       | 2,658| 111,275 |                   | **6,815**        | **752**         |                |
Table S5: WF of wood for energy production and consumption (Stage fuel supply) in the EU, year 2015, adapted from Schyns and Vanham(23)

|                | Production in ktoe | Production in TJ | WF green in m$^3$/TJ | WF blue in m$^3$/TJ | WF green 10$^6$ m$^3$ | WF blue 10$^6$ m$^3$ |
|----------------|--------------------|------------------|----------------------|----------------------|------------------------|------------------------|
| Austria        | 3,904              | 163,462          | 58,828               | 0                    | 9,616                  | 0                      |
| Belgium        | 478                | 20,016           | 29,050               | 441                  | 581                    | 9                      |
| Bulgaria       | 944                | 39,516           | 66,660               | 0                    | 2,634                  | 0                      |
| Croatia        | 688                | 28,817           | 79,239               | 0                    | 2,283                  | 0                      |
| Cyprus         | 0                  | 0                | 0                    | 0                    | 0                      | 0                      |
| Czech Republic | 2,065              | 86,474           | 72,055               | 0                    | 6,231                  | 0                      |
| Denmark        | 344                | 14,412           | 59,210               | 6,169                | 853                    | 89                     |
| Estonia        | 913                | 38,214           | 58,986               | 12,923               | 2,254                  | 494                    |
| Finland        | 8,288              | 347,004          | 63,132               | 19                   | 21,907                 | 7                      |
| France         | 3,818              | 159,846          | 37,288               | 32                   | 5,960                  | 5                      |
| Germany        | 5,282              | 221,138          | 56,065               | 1,196                | 12,398                 | 264                    |
| Greece         | 457                | 19,127           | 5,944                | 0                    | 114                    | 0                      |
| Hungary        | 782                | 32,724           | 78,681               | 11,127               | 2,575                  | 364                    |
| Ireland        | 257                | 10,765           | 22,127               | 12                   | 238                    | 0                      |
| Italy          | 2,955              | 123,701          | 65,864               | 1,902                | 8,147                  | 235                    |
| Latvia         | 1,771              | 74,155           | 71,504               | 4,848                | 5,302                  | 360                    |
| Lithuania      | 829                | 34,707           | 78,293               | 4,208                | 2,717                  | 146                    |
| Luxembourg     | 94                 | 3,948            | 54,476               | 0                    | 215                    | 0                      |
| Malta          | 0                  | 0                | 0                    | 0                    | 0                      | 0                      |
| Netherlands    | 129                | 5,401            | 34,381               | 10,671               | 186                    | 58                     |
| Poland         | 4,654              | 194,840          | 83,442               | 36                   | 16,258                 | 7                      |
| Portugal       | 1,842              | 77,114           | 6,961                | 0                    | 537                    | 0                      |
| Romania        | 2,859              | 119,694          | 73,980               | 0                    | 8,855                  | 0                      |
| Slovakia       | 855                | 35,804           | 26,932               | 0                    | 964                    | 0                      |
| Slovenia       | 611                | 25,581           | 99,353               | 0                    | 2,542                  | 0                      |
| Spain          | 2,416              | 101,160          | 5,467                | 0                    | 553                    | 0                      |
| Sweden         | 9,167              | 383,811          | 67,847               | 2                    | 26,040                 | 1                      |
| UK            | 1,019              | 42,672           | 121,020              | 0                    | 5,164                  | 0                      |
| **EU WF of production** | **57,421**  | **2,404,105**  | **60,366**           | **848**              | **145,126**           | **2,038**             |
| **External WF** | **6,294**       | **263,524**     | **33,913**           | **1,064**            | **8,937**              | **280**               |
| **EU WF of consumption** | **63,715**    | **2,667,629**   |                      |                      | **154,063**           | **2,319**             |
Table S6: Overview production of energy from biomass and waste in the EU, year 2015 (15, 25)

| Country         | Total biomass and waste in ktoe | Wood for energy in ktoe | Gross electricity production from total biomass and waste in ktoe | WF blue of electricity production $10^6$ m$^3$ | Unit WF blue of electricity production m$^3$/TJ |
|-----------------|---------------------------------|-------------------------|---------------------------------------------------------------|-----------------------------------------------|-----------------------------------------------|
| Austria         | 5,018                           | 3,904                   | 170                                                           | 4.1                                           | 575                                           |
| Belgium         | 2,944                           | 478                     | 422                                                           | 9.6                                           | 542                                           |
| Bulgaria        | 1,283                           | 944                     | 5                                                              | 0.1                                           | 571                                           |
| Croatia         | 859                             | 688                     | 2                                                              | 0.0                                           | 565                                           |
| Cyprus          | 28                              | 0                       | 4                                                              | 0.1                                           | 354                                           |
| Czech Republic  | 3,106                           | 2,065                   | 82                                                            | 1.8                                           | 529                                           |
| Denmark         | 1,819                           | 344                     | 207                                                           | 4                                             | 509                                           |
| Estonia         | 1,040                           | 913                     | 74                                                            | 1.7                                           | 559                                           |
| Finland         | 9,354                           | 8,288                   | 1,127                                                         | 27.3                                          | 578                                           |
| France          | 15,780                          | 3,818                   | 804                                                           | 16.9                                          | 501                                           |
| Germany         | 27,662                          | 5,282                   | 1,828                                                         | 44                                            | 574                                           |
| Greece          | 1,157                           | 457                     | 17                                                            | 0.4                                           | 555                                           |
| Hungary         | 1,905                           | 782                     | 173                                                           | 3.7                                           | 505                                           |
| Ireland         | 420                             | 257                     | 23                                                            | 0.5                                           | 484                                           |
| Italy           | 10,105                          | 2,955                   | 1,605                                                         | 36.4                                          | 542                                           |
| Latvia          | 1,972                           | 1,771                   | 44                                                            | 1.0                                           | 567                                           |
| Lithuania       | 1,158                           | 829                     | 56                                                            | 1.3                                           | 550                                           |
| Luxembourg      | 119                             | 94                      | 14                                                            | 0.3                                           | 537                                           |
| Malta           | 3                               | 0                       | 0                                                             | 0.0                                           | 458                                           |
| Netherlands     | 4,236                           | 129                     | 593                                                           | 13.7                                          | 552                                           |
| Poland          | 8,749                           | 4,654                   | 831                                                           | 19.5                                          | 559                                           |
| Portugal        | 3,181                           | 1,842                   | 252                                                           | 5.3                                           | 502                                           |
| Romania         | 4,135                           | 2,859                   | 45                                                            | 1.1                                           | 567                                           |
| Slovakia        | 1,148                           | 855                     | 80                                                            | 1.8                                           | 551                                           |
| Slovenia        | 632                             | 611                     | 10                                                            | 0.2                                           | 576                                           |
| Spain           | 6,934                           | 2,416                   | 388                                                           | 8.7                                           | 535                                           |
| Sweden          | 11,434                          | 9,167                   | 1,277                                                         | 30.8                                          | 576                                           |
| UK              | 6,434                           | 1,019                   | 2,260                                                         | 49.3                                          | 521                                           |
| **EU production** | **132,613**                     | **57,421**              | **12,393**                                                    | **284.0**                                     | **547**                                       |
Figure S8: Blue WF of biomass/waste power plants (third stage – operations or energy transformation) in EU NUTS-2 regions in 2015. Total amount 284 million m³.
Table S7: Overview WF related to production and consumption of energy in the EU, for different energy sources, in $10^6$ m$^3$

| Energy source                      | Fuel supply (incl. processing) | Construction | Operation | Total |
|-----------------------------------|--------------------------------|--------------|-----------|-------|
|                                   | green | blue | green | blue | green | blue | green | blue |
| **WF of production**              |       |      |       |      |       |      |       |      |
| **Fossil and nuclear energy**     |       |      |       |      |       |      |       |      |
| Coal and lignite                  | 828   | 9    | 1,106 | 1,943 |
| Oil                               | 171   | 26   | 5     | 202   |
| Gas                               | 0.2   | 2    | 204   | 206   |
| Nuclear                           | 51    | 0.9  | 1,207 | 1,259 |
| **Renewable energy**              |       |      |       |      |       |      |       |      |
| Wood                              | 145,126 | 2,039 | 2.4   | 145,126 | 2,041 |
| 1st generation biodiesel          | 34,436 | 844  | 0.4   | 34,436 | 845   |
| 1st generation bioethanol         | 4,722  | 372  | 0.1   | 4,722  | 372   |
| Reservoir hydropower              | 0.8   |       | 6,762 | 6,763 |
| Run-of-river hydropower           | 0.6   |       |       | 0.6   |
| Wind                              | 1.1   | 0.20 |       | 1.3   |
| Solar                             | 7     | 13   |       | 20    |
| Geothermal                        | 0.2   | 0.8  |       | 1.0   |
| Electricity from biomass          |       |      | 284   | 284   |
| **Total energy**                  |       |      |       |       |
| Total                             | 184,284 | 4,306 | 50    | 9,582 | 184,284 | 13,938 |
| **WF of consumption**             |       |      |       |      |       |      |       |      |
| **Fossil and nuclear energy**     |       |      |       |      |       |      |       |      |
| Coal and lignite                  | 1,554 | 9    | 1,106 | 2,668 |
| Oil                               | 999   | 26   | 5     | 1,029 |
| Gas                               | 0.7   | 2    | 204   | 207   |
| Nuclear                           | 187   | 0.9  | 1,207 | 1,395 |
| **Renewable energy**              |       |      |       |      |       |      |       |      |
| Wood                              | 154,063 | 2,319 | 2.7   | 154,063 | 2,322 |
| 1st generation biodiesel          | 64,182 | 959  | 0.4   | 64,182 | 959   |
| 1st generation bioethanol         | 6,815  | 752  | 0.1   | 6,815  | 752   |
| Reservoir hydropower              | 0.8   |       | 6,762 | 6,763 |
| Run-of-river hydropower           | 0.6   |       |       | 0.6   |
| Wind                              | 1.1   | 0.20 |       | 1.3   |
| Solar                             | 41    | 13   |       | 54    |
| Geothermal                        | 0.2   | 0.8  |       | 1.0   |
| Electricity from biomass          |       |      | 284   | 284   |
| **Total energy**                  |       |      |       |       |
| Total                             | 225,060 | 6,770 | 85    | 9,582 | 225,060 | 16,437 |
Table S8: Overview WF related to production of energy in NUTS 2 regions of the EU, for different energy sources, in ktoe and $10^6$ m$^3$; F=Fuel supply; O=Operation

|        | Nuclear O | Solids F | Solids O | Gas F | Gas O | Oil F | Oil O |
|--------|-----------|----------|----------|-------|-------|-------|-------|
|        | ktoe | Mio m$^3$ | ktoe | Mio m$^3$ | ktoe | Mio m$^3$ | ktoe | Mio m$^3$ | ktoe | Mio m$^3$ | ktoe | Mio m$^3$ |
| EU     | EU28 | 74,583 | 1,207 | 148,196 | 828 | 74,341 | 1,106 | 119,394 | 0.2 | 51,251 | 204 | 632,495 | 171 | 2,715 | 4.7 |
| BE     | BELGIQUE-BELGIË/ BELGIUM | 2,423 | 34 | 0 | 0 | 342 | 2 | 0 | 0.0 | 2,048 | 13 | 31,882 | 0 | 8 | 0.1 |
| BE10   | Région de Bruxelles-Capitale / Brussels Hoofdstedelijk Gewest | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 300 | 0 | 31,882 | 0 | 0 | 0.0 |
| BE21   | Prov. Antwerpen | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 294 | 2 | 0 | 0 | 0 | 0.0 |
| BE22   | Prov. Limburg (BE) | 0 | 0 | 0 | 0 | 342 | 2 | 0 | 0.0 | 449 | 7 | 0 | 0 | 0 | 0.0 |
| BE23   | Prov. Oost-Vlaanderen | 1,181 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 0 | 0 | 0 | 0 | 0 | 0.0 |
| BE24   | Prov. Vlaams-Brabant | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 268 | 2 | 0 | 0 | 0 | 0.0 |
| BE25   | Prov. West-Vlaanderen | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 262 | 2 | 0 | 0 | 0 | 0.0 |
| BE31   | Prov. Brabant Wallon | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 0 | 0 | 0 | 0 | 0 | 0.0 |
| BE32   | Prov. Hainaut | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 475 | 1 | 0 | 0 | 8 | 0.1 |
| BE33   | Prov. Liège | 1,242 | 34 | 0 | 0 | 0 | 0 | 0 | 0.0 | 0 | 0 | 0 | 0 | 0 | 0.0 |
| BE34   | Prov. Luxembourg (BE) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 0 | 0 | 0 | 0 | 0 | 0.0 |
| BE35   | Prov. Namur | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 0 | 0 | 0 | 0 | 0 | 0.0 |
| BG     | БЪЛГАРИЯ/ BULGARIA | 1,347 | 16 | 4,055 | 28 | 2,028 | 25 | 125 | 0.0 | 270 | 2 | 6,634 | 2 | 6 | 0.0 |
| BG31   | Северозападен (Severozapaden) | 1,347 | 16 | 0 | 0 | 0 | 0 | 0 | 0.0 | 0 | 0 | 2 | 0 | 0 | 0.0 |
| BG32   | Северен централен (Severen tsentralen) | 0 | 0 | 0 | 0 | 75 | 0 | 0 | 0.0 | 0 | 0 | 0 | 0 | 0 | 0.0 |
| BG33   | Северозищченичен (Severoiztochen) | 0 | 0 | 0 | 0 | 67 | 0 | 0 | 0.0 | 0 | 0 | 0 | 0 | 0 | 0.0 |
| BG34   | Югоизточен (Yugoiztochen) | 0 | 0 | 3252 | 20 | 1,449 | 15 | 0 | 0.0 | 0 | 0 | 6,629 | 2 | 6 | 0.0 |
| BG41   | Югозападен (Yugozapaden) | 0 | 0 | 803 | 7 | 361 | 8 | 0 | 0.0 | 126 | 3 | 0 | 0 | 0 | 0.0 |
| Region          | Country                          | Nuclear O ktoe | Solids F ktoe | Solids O ktoe | Gas F ktoe | Gas O ktoe | Oil F ktoe | Oil O ktoe |
|-----------------|----------------------------------|----------------|---------------|---------------|------------|------------|------------|------------|
|                 |                                  | Mio m³         | Mio m³        | Mio m³        | Mio m³     | Mio m³     | Mio m³     | Mio m³     |
| BG42            | Yuzhen tsentralen                | 0             | 0             | 0             | 0          | 0          | 0          | 0          |
| CZ              | ČESKÁ REPUBLIKA/CZECH REPUBLIC   | 2,373         | 70            | 16,524        | 68         | 3,765      | 72         | 191        |
|                 |                                  | 0.0           | 0.0           | 0.0           | 0.0        | 143        | 2.0        | 0.0        |
| CZ01            | Praha                            | 0             | 0             | 0             | 0          | 0          | 0          | 0          |
| CZ02            | Střední Čechy                    | 0             | 0             | 0             | 0          | 0          | 0          | 0          |
| CZ03            | Jihozápad                        | 1,182         | 35            | 0             | 0          | 0          | 0          | 0          |
| CZ04            | Severozápad                      | 0             | 0             | 11,894        | 30         | 2,031      | 40         | 0          |
| CZ05            | Severovýchod                     | 0             | 0             | 0             | 0          | 0          | 0          | 0          |
| CZ06            | Jihovýchod                       | 1,191         | 35            | 0             | 0          | 0          | 0          | 0          |
| CZ07            | Střední Morava                   | 0             | 0             | 0             | 0          | 0          | 0          | 0          |
| CZ08            | Moravskoslezsko                  | 0             | 0             | 4630          | 38         | 422        | 9          | 0          |
| DK              | DANMARK/DENMARK                  | 0             | 0             | 0             | 0          | 619        | 0          | 4,188      |
|                 |                                  | 0.0           | 0.0           | 0.0           | 0.0        | 399        | 0          | 7,632      |
| DK01            | Hovedstaden                      | 0             | 0             | 0             | 0          | 110        | 0          | 163        |
| DK02            | Sjælland                         | 0             | 0             | 0             | 0          | 150        | 0          | 0          |
| DK03            | Syddanmark                       | 0             | 0             | 0             | 0          | 156        | 0          | 0          |
| DK04            | Midtjylland                      | 0             | 0             | 0             | 0          | 68         | 0          | 0          |
| DK05            | Nordjylland                      | 0             | 0             | 0             | 0          | 135        | 0          | 0          |
| DE              | DEUTSCHLAND/GERMANY              | 8,333         | 226           | 42,340        | 192        | 24,157     | 455        | 11,223     |
|                 |                                  | 0.1           | 0.1           | 0.1           | 0.1        | 10,508     | 0.86       | 102,639    |
| DE11            | Stuttgart                        | 919           | 27            | 0             | 0          | 875        | 19         | 0          |
| DE12            | Karlsruhe                        | 958           | 26            | 0             | 0          | 767        | 12         | 0          |
| DE13            | Freiburg                         | 0             | 0             | 0             | 0          | 0          | 0          | 0          |
| DE14            | Tübingen                         | 0             | 0             | 0             | 0          | 0          | 0          | 0          |
| DE21            | Oberbayern                       | 0             | 0             | 0             | 0          | 453        | 6          | 0          |
| DE22            | Niederbayern                     | 977           | 29            | 0             | 0          | 0          | 0          | 0          |
| DE23            | Oberpfalz                        | 0             | 0             | 0             | 0          | 0          | 0          | 0          |
| DE24  | Nuclear O | Solids F | Solids O | Gas F | Gas O | Oil F | Oil O |
|-------|-----------|----------|----------|-------|-------|-------|-------|
|       | ktoe      | Mio m³   | ktoe     | Mio m³ | ktoe  | Mio m³ | ktoe  | Mio m³ |
| Oberfranken | 0        | 0        | 0        | 0      | 0     | 0      | 0     | 0      |
| Mittelfranken | 0        | 0        | 0        | 0      | 0     | 0      | 314   | 3      |
| Unterfranken | 883      | 26       | 0        | 0      | 0     | 0      | 0     | 0      |
| Schwaben | 1,765     | 52       | 0        | 0      | 0     | 0      | 1     | 0      |
| Berlin | 0         | 0        | 0        | 469    | 9     | 0      | 631   | 2      |
| Brandenburg | 0        | 0        | 7125     | 30     | 2,412 | 51     | 0     | 322    |
| Bremen | 0         | 0        | 0        | 0      | 0     | 0      | 0     | 0      |
| Hamburg | 0         | 0        | 0        | 1,002  | 20    | 0      | 111   | 0      |
| Darmstadt | 0        | 0        | 0        | 267    | 6     | 0      | 0     | 0      |
| Gießen | 0         | 0        | 0        | 0      | 0     | 0      | 0     | 0      |
| Kassel | 0         | 0        | 0        | 0      | 0     | 0      | 0     | 0      |
| Mecklenburg-Vorpommern | 0       | 0        | 0        | 290    | 0     | 0      | 0     | 0      |
| Braunschweig | 0       | 0        | 0        | 830    | 17    | 0      | 0     | 0      |
| Hannover | 939      | 28       | 0        | 0      | 0     | 0      | 0     | 0      |
| Lüneburg | 0         | 0        | 0        | 0      | 0     | 0      | 0     | 0      |
| Weser-Ems | 919      | 27       | 0        | 0      | 823   | 0      | 14    | 0      |
| Düsseldorf | 0        | 0        | 7557     | 32     | 4,391 | 84     | 0     | 1,080  |
| Köln | 0         | 0        | 12955    | 54     | 2,927 | 60     | 0     | 1,630  |
| Münster | 0         | 0        | 4537     | 35     | 812   | 17     | 0     | 10,711 |
| Detmold | 0         | 0        | 0        | 478    | 10    | 0      | 0     | 0      |
| Arnsberg | 0         | 0        | 0        | 2,455  | 52    | 0      | 1,104 | 8      |
| Koblenz | 0         | 0        | 0        | 0      | 0     | 0      | 0     | 0      |
| Trier | 0         | 0        | 0        | 0      | 0     | 0      | 0     | 0      |
| Rheinhessen-Pfalz | 0       | 0        | 0        | 0      | 0     | 981    | 3     | 7      |
| Saarland | 0        | 0        | 0        | 1,152  | 24    | 0      | 44    | 0      |
| Dresden | 0         | 0        | 5830     | 24     | 1,354 | 29     | 0     | 191    |
| Region | Country | Nuclear O | Solids F | Solids O | Gas F | Gas O | Oil F | Oil O |
|--------|---------|-----------|----------|----------|-------|-------|-------|-------|
|        |         | ktoe Mio m³ | ktoe Mio m³ | ktoe Mio m³ | ktoe Mio m³ | ktoe Mio m³ | ktoe Mio m³ | ktoe Mio m³ |
| DED4   | Chemnitz | 0 0 | 0 0 | 0 0 | 0 0 | 0 0 | 0 0 | 0 0 |
| DED5   | Leipzig  | 0 0 | 2327 9 | 978 21 | 0 0 | 122 1 | 0 0 | 0 0 |
| DEE0   | Sachsen-Anhalt | 0 0 | 2008 8 | 503 11 | 460 0.1 | 0 0 | 9,325 4 | 0 0 |
| DEF0   | Schleswig-Holstein | 972 12 | 0 0 | 338 0 | 0 0 | 0 0 | 3,652 1 | 13 0.0 |
| DEG0   | Thuringen | 0 0 | 0 0 | 0 0 | 0 0 | 0 0 | 0 0 | 0 0 |
| EE     | EEESTI/ESTLAND | 0 0 | 3,594 0.0 | 740 0 | 0 0 | 59 0 | 681 4 | 0 0 |
| EE00   | Eesti | 0 0 | 3594 0 | 740 0 | 0 0 | 59 0 | 681 4 | 0 0 |
| IE     | IRELAND | 0 0 | 740 0 | 618 1 | 231 0.0 | 1,085 0 | 2,977 0 | 1 0.0 |
| IE01   | Border, Midland and Western | 0 0 | 740 0 | 87 1 | 0 0 | 159 0 | 44 0 | 0 0 |
| IE02   | Southern and Eastern | 0 0 | 0 0 | 531 0 | 0 0 | 926 0 | 2,933 0 | 1 0.0 |
| EL     | ΕΛΛΑΔΑ/GREECE | 0 0 | 6,430 39 | 2,300 49 | 0 0 | 758 1 | 24,006 4 | 417 0.0 |
| EL30   | Αττική (Attiki) | 0 0 | 0 0 | 0 0 | 0 0 | 0 0 | 238 0 | 13,989 2 | 250 0.0 |
| EL41   | Βόρειο Αιγαίο (Voreio Aigaio) | 0 0 | 0 0 | 0 0 | 0 0 | 0 0 | 0 0 | 0 0 |
| EL42   | Νότιο Αιγαίο (Notio Aigaio) | 0 0 | 0 0 | 0 0 | 0 0 | 0 0 | 0 0 | 0 0 |
| EL43   | Κρήτη (Kriti) | 0 0 | 0 0 | 0 0 | 0 0 | 0 0 | 0 0 | 0 0 |
| EL51   | Ανατολική Μακεδονία, Θράκη (Anatoliki Makedonia, Thraki) | 0 0 | 0 0 | 0 0 | 0 0 | 0 0 | 76 1 | 0 0 | 0 0 |
| EL52   | Κεντρική Μακεδονία (Kentriki Makedonia) | 0 0 | 0 0 | 0 0 | 0 0 | 0 0 | 61 0 | 3,774 0 | 0 0 |
| EL53   | Δυτική Μακεδονία (Dytiki Makedonia) | 0 0 | 0 0 | 5298 32 | 2,005 42 | 0 0 | 0 0 | 0 0 |
| EL54   | Ηπειρός (Ipeiros) | 0 0 | 0 0 | 0 0 | 0 0 | 0 0 | 0 0 | 0 0 |
| EL61   | Θησσαλία (Thessalia) | 0 0 | 0 0 | 0 0 | 0 0 | 0 0 | 0 0 | 0 0 |
| EL62   | Ιόνια Νησιά (Ionia Nisia) | 0 0 | 0 0 | 0 0 | 0 0 | 0 0 | 0 0 | 0 0 |
| EL63   | Δυτική Ελλάδα (Dytiki Ellada) | 0 0 | 0 0 | 0 0 | 0 0 | 0 0 | 0 0 | 0 0 |
| Country Code | Name                  | Nuclear O | Solids F | Solids O | Gas F | Gas O | Oil F | Oil O |
|--------------|-----------------------|-----------|----------|----------|-------|-------|-------|-------|
|              |                       | ktoe      | mio   | ktoe     | mio   | ktoe | mio   | ktoe | mio   |
| EL64         | Στερεά Ελλάδα (Sterea Ellada) | 0        | 0      | 0        | 0     | 0    | 0.0   | 317  | 0     |
| EL65         | Πελοπόννησος (Peloponnisos) | 0        | 0      | 1132     | 7     | 295  | 6.0   | 66   | 0     |
| ES           | ESPAÑA/SPAIN          | 4,993     | 85     | 2,973    | 27    | 4,955 | 71    | 42   | 0.0   |
|              |                       | 4,576     | 12     | 63,498   | 12    | 429  | 0.4   |      |       |
| ES11         | Galicia               | 0        | 0      | 0        | 0     | 0    | 0.0   | 367  | 0     |
|              |                       | 10,987    | 3      | 73       | 0.0   |      |       |      |       |
| ES12         | Principado de Asturias| 0        | 0      | 885      | 11    | 1,225 | 9     | 160  | 1     |
| ES13         | Cantabria             | 0        | 0      | 0        | 0     | 0    | 0.0   | 0    | 0     |
| ES21         | País Vasco            | 0        | 0      | 0        | 0     | 0    | 0.0   | 367  | 0     |
|              |                       | 10,987    | 3      | 73       | 0.0   |      |       |      |       |
| ES22         | Comunidad Foral de Navarra | 0    | 0      | 0        | 0     | 0    | 0.0   | 222  | 2     |
| ES23         | La Rioja              | 0        | 0      | 0        | 0     | 0    | 0.0   | 148  | 0     |
|              |                       | 6,991     | 2      | 47       | 0.4   |      |       |      |       |
| ES24         | Aragón                | 0        | 0      | 664      | 1     | 489  | 10    | 489  | 0     |
| ES30         | Comunidad de Madrid   | 0        | 0      | 0        | 0     | 0    | 0.0   | 0    | 0     |
| ES41         | Castilla y León       | 0        | 0      | 1300     | 14    | 1,247 | 31    | 13   | 0     |
| ES42         | Castilla-La Mancha    | 733       | 22     | 125      | 0     | 156  | 3     | 145  | 1     |
|              |                       | 6,991     | 2      | 47       | 0.4   |      |       |      |       |
| ES43         | Extremadura           | 1,347     | 16     | 0        | 0     | 0    | 0.0   | 0    | 0     |
| ES51         | Cataluña              | 2,162     | 25     | 0        | 0     | 0    | 0.0   | 756  | 0     |
| ES52         | Comunidad Valenciana  | 751       | 22     | 0        | 0     | 0    | 0.0   | 517  | 0     |
| ES53         | Illes Balears         | 0        | 0      | 0        | 0     | 0    | 0.0   | 0    | 0     |
| ES61         | Andalucía             | 0        | 0      | 0        | 0     | 0    | 0.0   | 1,097| 3     |
|              |                       | 16,979    | 1      | 116      | 0.0   |      |       |      |       |
| ES62         | Región de Murcia      | 0        | 0      | 0        | 0     | 0    | 0.0   | 446  | 0     |
|              |                       | 4,994     | 1      | 34       | 0.0   |      |       |      |       |
| ES63         | Ciudad Autónoma de Ceuta | 0    | 0      | 0        | 0     | 0    | 0.0   | 0    | 0     |
| ES64         | Ciudad Autónoma de Melilla | 0   | 0      | 0        | 0     | 0    | 0.0   | 0    | 0     |
| ES70         | Canarias              | 0        | 0      | 0        | 0     | 0    | 0.0   | 4,345| 0     |
| FR           | FRANCE                | 38,206    | 697    | 143      | 0     | 859  | 9     | 304  | 0.0   |
|              |                       | 2,214     | 6      | 50,226   | 15    | 44   | 0.4   |      |       |
| FR10         | Île de France         | 0        | 0      | 0        | 0     | 89   | 0     | 0    | 0.0   |
|              |                       | 2,835     | 2      | 17       | 0.1   |      |       |      |       |
| Region                  | Nuclear O | Solids F | Solids O | Gas F | Gas O | Oil F | Oil O |
|------------------------|-----------|----------|----------|-------|-------|-------|-------|
|                        | ktoe      | Mio m$^3$| ktoe     | Mio m$^3$| ktoe  | Mio m$^3$| ktoe  | Mio m$^3$| ktoe  | Mio m$^3$| ktoe  | Mio m$^3$| ktoe  | Mio m$^3$| ktoe  | Mio m$^3$|
| FR21 Champagne-Ardenne | 3,390     | 100      | 0        | 0      | 0     | 0     | 72     | 0      | 0     | 0     | 0     | 0     |
| FR22 Picardie          | 0         | 0        | 0        | 0      | 0     | 0     | 0      | 0      | 0     | 0     | 0     | 0     |
| FR23 Haute-Normandie   | 4,809     | 0        | 0        | 0      | 99    | 0     | 108    | 0      | 0     | 0     | 0     | 0     |
| FR24 Centre            | 7,076     | 2       | 0        | 0      | 0     | 0     | 0      | 0      | 0     | 0     | 0     | 0     |
| FR25 Basse-Normandie   | 1,603     | 0        | 0        | 0      | 0     | 0     | 0      | 0      | 0     | 0     | 0     | 0     |
| FR26 Bourgogne         | 0         | 0        | 0        | 0      | 0     | 0     | 0      | 0      | 0     | 0     | 0     | 0     |
| FR30 Nord - Pas-de-Calais |   3,309 | 0        | 0        | 0      | 83    | 2     | 0      | 0      | 0     | 0     | 0     | 0     |
| FR31 Lorraine          | 3,159     | 93       | 143      | 0      | 289   | 4     | 0      | 0      | 0     | 0     | 0     | 0     |
| FR42 Alsace            | 1,067     | 13       | 0        | 0      | 0     | 0     | 0      | 0      | 0     | 0     | 0     | 0     |
| FR43 Franche-Comté     | 0         | 0        | 0        | 0      | 0     | 0     | 0      | 0      | 0     | 0     | 0     | 0     |
| FR51 Pays de la Loire  | 0         | 0        | 0        | 0      | 199   | 1     | 0      | 0      | 0     | 0     | 0     | 0     |
| FR52 Bretagne          | 0         | 0        | 0        | 0      | 0     | 0     | 0      | 0      | 0     | 0     | 0     | 0     |
| FR53 Poitou-Charentes  | 1,811     | 53       | 0        | 0      | 0     | 0     | 0      | 0      | 0     | 0     | 0     | 0     |
| FR61 Aquitaine         | 2,206     | 26       | 0        | 0      | 0     | 0     | 0      | 0      | 0     | 0     | 0     | 0     |
| FR62 Midi-Pyrénées     | 1,581     | 47       | 0        | 0      | 0     | 0     | 0      | 0      | 0     | 0     | 0     | 0     |
| FR63 Limousin          | 0         | 0        | 0        | 0      | 0     | 0     | 0      | 0      | 0     | 0     | 0     | 0     |
| FR71 Rhône-Alpes       | 8,195     | 155      | 0        | 0      | 0     | 0     | 0      | 0      | 0     | 0     | 0     | 0     |
| FR72 Auvergne          | 0         | 0        | 0        | 0      | 0     | 0     | 0      | 0      | 0     | 0     | 0     | 0     |
| FR81 Languedoc-Roussillon |   0       | 0        | 0        | 0      | 0     | 0     | 0      | 0      | 0     | 0     | 0     | 0     |
| FR82 Provence-Alpes-Côte d'Azur |   0   | 0        | 0        | 0      | 99    | 2     | 0      | 0      | 0     | 0     | 0     | 0     |
| FR83 Corse             | 0         | 0        | 0        | 0      | 0     | 0     | 0      | 768     | 0     | 0     | 0     | 0     |
| FRA1 Guadeloupe        | 0         | 0        | 0        | 0      | 0     | 0     | 0      | 0      | 0     | 0     | 0     | 0     |
| FRA2 Martinique        | 0         | 0        | 0        | 0      | 0     | 0     | 0      | 0      | 0     | 0     | 0     | 0     |
| FRA3 Guyane            | 0         | 0        | 0        | 0      | 0     | 0     | 0      | 0      | 0     | 0     | 0     | 0     |
| FRA4 La Réunion        | 0         | 0        | 0        | 0      | 0     | 0     | 0      | 0      | 0     | 0     | 0     | 0     |
| FRA5 Mayotte           | 0         | 0        | 0        | 0      | 0     | 0     | 0      | 0      | 0     | 0     | 0     | 0     |
| Country | Region | Nuclear O | Solids F | Solids O | Gas F | Gas O | Oil F | Oil O |
|---------|--------|-----------|---------|---------|-------|-------|-------|-------|
|         |        | ktoe      | ktoe    | ktoe    | ktoe  | ktoe  | ktoe  | ktoe  |
| HR      | HRVATSKA/CROATIA | 0 | 0 | 230 | 1,431 | 205 | 3,880 | 3 | 0 | 0.0 |
| HR03    | Jadranhska Hrvatska | 0 | 0 | 230 | 1,431 | 205 | 3,880 | 3 | 0 | 0.0 |
| HR04    | Kontinentalna Hrvatska | 0 | 0 | 205 | 0 | 2,005 | 3 | 0 | 0.0 |
| IT      | ITALIA/ITALY | 0 | 0 | 55 | 5,061 | 6,760 | 9,623 | 32 | 615 | 0.3 |
| ITC1    | Piemonte | 0 | 0 | 0 | 0 | 617 | 1 | 5,710 | 2 | 0 | 0.0 |
| ITC2    | Valle d'Aosta/Vallée d'Aoste | 0 | 0 | 0 | 0 | 2,005 | 3 | 0 | 0.0 |
| ITC3    | Liguria | 0 | 0 | 97 | 348 | 0 | 2,369 | 1 | 0 | 0.0 |
| ITC4    | Lombardia | 0 | 0 | 87 | 2,203 | 7 | 11,877 | 4 | 0 | 0.0 |
| ITF1    | Abruzzo | 0 | 0 | 0 | 0 | 269 | 0 | 0 | 0 | 0.0 |
| ITF2    | Molise | 0 | 0 | 0 | 0 | 255 | 0 | 7 | 0 | 0.0 |
| ITF3    | Campania | 0 | 0 | 0 | 0 | 415 | 0 | 0 | 0 | 0.0 |
| ITF4    | Puglia | 0 | 0 | 2,056 | 824 | 0 | 2,745 | 0 | 0 | 0.0 |
| ITF5    | Basilicata | 0 | 0 | 0 | 0 | 0 | 2,506 | 15 | 0 | 0.0 |
| ITF6    | Calabria | 0 | 0 | 0 | 0 | 802 | 0 | 0 | 78 | 0.0 |
| ITG1    | Sicilia | 0 | 0 | 0 | 0 | 600 | 9 | 33,498 | 9 | 199 | 0.0 |
| ITG2    | Sardegna | 0 | 0 | 55 | 771 | 0 | 184 | 0 | 9,805 | 0 | 17 | 0.3 |
| ITH1    | Provincia Autonoma di Bolzano/Bozen | 0 | 0 | 0 | 0 | 184 | 0 | 9,805 | 0 | 17 | 0.3 |
| ITH2    | Provincia Autonoma di Trento | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 |
| ITH3    | Veneto | 0 | 0 | 505 | 318 | 0 | 2,615 | 0 | 0 | 0.0 |
| ITH4    | Friuli-Venezia Giulia | 0 | 0 | 211 | 265 | 2 | 0 | 0 | 0 | 0.0 |
| ITH5    | Emilia-Romagna | 0 | 0 | 0 | 0 | 1,152 | 4 | 16 | 0 | 0.0 |
| ITI1    | Toscana | 0 | 0 | 0 | 0 | 354 | 1 | 2,745 | 0 | 0 | 0.0 |
| ITI2    | Umbria | 0 | 0 | 94 | 101 | 1 | 0 | 0 | 0 | 0.0 |
| ITI3    | Marche | 0 | 0 | 0 | 0 | 0 | 0 | 2,709 | 0 | 0 | 0.0 |
| ITI4    | Lazio | 0 | 0 | 1,241 | 918 | 0 | 2,912 | 1 | 322 | 0.0 |
| Country       | Nuclear O | Solids F | Solids O | Gas F | Gas O | Oil F | Oil O |
|--------------|-----------|----------|----------|-------|-------|-------|-------|
|              | ktoe      | mio m³   | ktoe     | mio m³| ktoe  | mio m³| ktoe  | mio m³|
| CY CYPRUS    | 0         | 0        | 0        | 0     | 0     | 0     | 0     | 351   |
| CY00 Kύπρος (Kypros) | 0         | 0        | 0        | 0     | 0     | 0     | 0     | 351   |
| LV LATVIA    | 0         | 0        | 1        | 0     | 7     | 0     | 0     | 0     |
| LV00 Latvija | 0         | 0        | 0.56236  | 8666  | 0     | 7     | 0     | 0     |
| LT LITHUANIA | 0         | 0        | 19       | 0     | 0     | 0     | 0     | 0     |
| LT00 Lietuva | 0         | 0        | 18.9825  | 80443 | 0     | 7     | 0     | 0     |
| LU LUXEMBOURG| 0         | 0        | 0        | 0     | 0     | 0     | 0     | 0     |
| LU00 Luxembourg | 0        | 0        | 0        | 0     | 0     | 0     | 0     | 0     |
| HU HUNGARY   | 1,297     | 15       | 1,794    | 6     | 553   | 12    | 1,857 | 0     |
| HU10 Közép-Magyarország | 0         | 0        | 0        | 0     | 0     | 0     | 0     | 195   |
| HU21 Közép-Dunántúl | 0         | 0        | 0        | 0     | 127   | 3     | 0     | 17    |
| HU22 Nyugat-Dunántúl | 0         | 0        | 0        | 0     | 0     | 0     | 0     | 51    |
| HU23 Dél-Dunántúl | 1,297     | 15       | 0        | 0     | 0     | 0     | 0     | 0     |
| HU31 Észak-Magyarország | 0         | 0        | 1794     | 6     | 426   | 9     | 0     | 14    |
| HU32 Észak-Alföld | 0         | 0        | 0        | 0     | 0     | 0     | 0     | 14    |
| HU33 Dél-Alföld | 0         | 0        | 0        | 0     | 0     | 0     | 0     | 397   |
| MT MALTA     | 0         | 0        | 0        | 0     | 0     | 0     | 0     | 111   |
| MT00 Malta   | 0         | 0        | 0        | 0     | 0     | 0     | 0     | 111   |
| NL NETHERLANDS | 336       | 0        | 0        | 0     | 2,724 | 8     | 44,172| 0     |
| NL11 Groningen | 0         | 0        | 0        | 0     | 628   | 0     | 0     | 1,084 |
| NL12 Friesland (NL) | 0         | 0        | 0        | 0     | 0     | 0     | 0     | 0     |
| NL13 Drenthe | 0         | 0        | 0        | 0     | 0     | 0     | 0     | 46    |
| NL21 Overijssel | 0         | 0        | 0        | 0     | 0     | 0     | 0     | 0     |
| NL22 Gelderland | 0         | 0        | 0        | 0     | 249   | 1     | 0     | 0     |
| NL23 Flevoland | 0         | 0        | 0        | 0     | 0     | 0     | 0     | 411   |
|            | Nuclear O | Solids F | Solids O | Gas F | Gas O | Oil F | Oil O |
|------------|-----------|----------|----------|-------|-------|-------|-------|
|            | ktoe      | Mio m³   | ktoe     | Mio m³| ktoe  | Mio m³| ktoe  | Mio m³|
| NL31       | Utrecht   | 0        | 0        | 0     | 0     | 0     | 264   | 1     |
| NL32       | Noord-Holland | 0   | 0        | 0     | 0     | 267   | 755   | 4     | 492   | 0     |
| NL33       | Zuid-Holland | 0   | 0        | 0     | 1,177 | 0     | 1,250 | 4     | 51,650| 0     |
| NL34       | Zeeland   | 336      | 0        | 0     | 167   | 0     | 628   | 0     | 7,350 | 0     |
| NL41       | Noord-Brabant | 0   | 0        | 0     | 236   | 0     | 368   | 0     | 0     |
| NL42       | Limburg (NL) | 0   | 0        | 0     | 0     | 0     | 115   | 3     | 0     |
| AT         | ÖSTERREICH /AUSTRIA | 0  | 0        | 0     | 0     | 414   | 1,270 | 582   | 9,954 | 18    |
| AT11       | Burgenland | 0   | 0        | 0     | 0     | 0     | 0     |
| AT12       | Niederösterreich | 0  | 0        | 0     | 0     | 0     | 0     | 0     |
| AT13       | Wien      | 0       | 0        | 0     | 0     | 0     | 0     |
| AT21       | Kärnten   | 0       | 0        | 0     | 0     | 0     | 0     |
| AT22       | Steiermark | 0  | 0        | 0     | 0     | 0     | 0     |
| AT31       | Oberösterreich | 0  | 0        | 0     | 0     | 0     | 0     |
| AT32       | Salzburg  | 0       | 0        | 0     | 0     | 0     | 0     |
| AT33       | Tirol     | 0       | 0        | 0     | 0     | 0     | 0     |
| AT34       | Vorarlberg | 0  | 0        | 0     | 0     | 0     | 0     |
| PL         | POLSKA /POLAND | 0  | 0        | 0     | 0     | 55,586| 11,834| 219   |
| PL11       | Łódzkie   | 0       | 0        | 0     | 0     | 0     | 0     |
| PL12       | Mazowieckie | 0  | 0        | 0     | 0     | 0     | 0     | 0     |
| PL21       | Małopolskie | 0  | 0        | 1,701 | 42    | 0     | 0     | 0     | 0     |
| PL22       | Śląskie   | 0       | 0        | 0     | 0     | 0     | 0     |
| PL31       | Lubelskie | 0       | 0        | 0     | 0     | 0     | 0     |
| PL32       | Podkarpackie | 0   | 0        | 0     | 0     | 0     | 0     |
| PL33       | Świętokrzyskie | 0  | 0        | 0     | 0     | 0     | 0     |
| PL34       | Podlaskie | 0       | 0        | 0     | 0     | 0     | 0     |
| PL41       | Wielkopolskie | 0  | 0        | 0     | 0     | 0     | 0     |
| PL42       | Zachodniopomorskie | 0  | 0        | 0     | 0     | 0     | 0     |
|       | Nuclear O | Solids F | Solids O | Gas F | Gas O | Oil F | Oil O |
|-------|-----------|----------|----------|-------|-------|-------|-------|
|       | ktoe | Mio m³ | ktoe | Mio m³ | ktoe | Mio m³ | ktoe | Mio m³ | ktoe | Mio m³ | ktoe | Mio m³ | ktoe | Mio m³ |
| PL43  | Lubuskie | 0 | 0 | 0 | 0 | 0 | 0 | 96 | 0 | 732 | 4 | 0 | 0 | 0 |
| PL51  | Dolnośląskie | 0 | 0 | 1138 | 5 | 704 | 13 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| PL52  | Opolskie | 0 | 0 | 0 | 0 | 736 | 15 | 3 | 0 | 0 | 0 | 0 | 0 | 0 |
| PL61  | Kujawsko-pomorskie | 0 | 0 | 0 | 0 | 129 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| PL62  | Warmińsko-mazurskie | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 |
| PL63  | Pomorskie | 0 | 0 | 0 | 0 | 145 | 0 | 0 | 0 | 0 | 6722 | 0 | 0 | 0 |
| PT    | PORTUGAL | 0 | 0 | 0 | 0 | 1278 | 9 | 0 | 0 | 0 | 819 | 6 | 14807 | 2 | 66 | 0 |
| PT11  | Norte | 0 | 0 | 0 | 0 | 0 | 0 | 213 | 1 | 4443 | 0 | 20 | 0 | 0 |
| PT15  | Algarve | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| PT16  | Centro (PT) | 0 | 0 | 0 | 0 | 427 | 9 | 0 | 0 | 0 | 607 | 6 | 0 | 0 | 0 |
| PT17  | Área Metropolitan de Lisboa | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| PT18  | Alentejo | 0 | 0 | 0 | 0 | 851 | 0 | 0 | 0 | 0 | 10364 | 2 | 46 | 0 | 0 |
| PT20  | Região Autónoma dos Açores | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| PT30  | Região Autónoma da Madeira | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| RO    | ROMÂNIA | 1022 | 12 | 5042 | 31 | 1890 | 45 | 8848 | 0 | 0 | 691 | 6 | 12570 | 18 | 54 | 0.6 |
| RO11  | Nord-Vest | 0 | 0 | 0 | 0 | 43 | 1 | 0 | 0 | 0 | 922 | 5 | 0 | 0 | 0 |
| RO12  | Centru | 0 | 0 | 0 | 0 | 60 | 1 | 0 | 0 | 0 | 132 | 0 | 3 | 0 | 0 |
| RO21  | Nord-Est | 0 | 0 | 0 | 0 | 60 | 1 | 0 | 0 | 0 | 1869 | 2 | 0 | 0 | 0 |
| RO22  | Sud-Est | 1022 | 12 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2191 | 2 | 54 | 0.6 |
| RO31  | Sud - Muntenia | 0 | 0 | 0 | 0 | 45 | 2 | 0 | 0 | 234 | 2 | 7032 | 6 | 0 | 0 |
| RO32  | Bucureşti - Ilfov | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 245 | 1 | 7 | 0 | 0 | 0 |
| RO41  | Sud-Vest Oltenia | 0 | 0 | 4599 | 24 | 1346 | 28 | 0 | 0 | 0 | 449 | 3 | 0 | 0 | 0 |
| RO42  | Vest | 0 | 0 | 483 | 8 | 396 | 13 | 0 | 0 | 0 | 97 | 1 | 0 | 0 | 0 |
| SI    | SLOVENIJA/SLOVENIA | 466 | 8 | 1023 | 21 | 418 | 8 | 3 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| SI03  | Vzhodna Slovenija | 466 | 8 | 1023 | 21 | 418 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|      | SLOVENSKO / SLOVAKIA |      |      |      |      |      |      |      |      |      |      |
|------|----------------------|------|------|------|------|------|------|------|------|------|------|
|      |                      | ktoe | Mio m³ | ktoe | Mio m³ | ktoe | Mio m³ | ktoe | Mio m³ | ktoe | Mio m³ | ktoe | Mio m³ |
| SI04 | Zahodna Slovenija    | 0    | 0      | 0    | 0      | 0    | 0      | 0    | 0      | 0    | 0      | 0    | 0      |
| SK   |                      |      |        |      |        |      |        |      |        |      |        |      |        |
| SK01 | Bratislavský kraj    |      |        |      |        |      |        |      |        |      |        |      |        |
| SK02 | Západné Slovensko    | 1,261 | 37   | 593  | 13   | 379  | 5     | 120  | 0.0   | 155  | 1     | 6,748 | 3   | 0      | 0.0  |
| SK03 | Stredné Slovensko    | 0    | 0      | 0    | 0      | 0    | 0      | 0    | 0      | 0    | 0      | 0    | 0      |
| SK04 | Východné Slovensko   | 0    | 0      | 0    | 0      | 126  | 0      | 0    | 0      | 104  | 1      | 0    | 0      | 0.0  |
| FI   | SUOMI / FINLAND      |      |        |      |        |      |        |      |        |      |        |      |        |
| FI19 | Länsi-Suomi          | 1,275 | 0   | 219  | 0     | 346  | 0     | 0    | 0.0   | 68   | 0      | 0    | 0      | 26   | 0.0   |
| FI1B | Helsinki-Uusimaa     | 715  | 0     | 157  | 0     | 115  | 0     | 0    | 0.0   | 425  | 0      | 12,473 | 0  | 16     | 0.0  |
| FI1C | Etelä-Suomi          | 0    | 0      | 0    | 0      | 154  | 0     | 0    | 0.0   | 176  | 1      | 3,648 | 0   | 0      | 0.0  |
| FI1D | Pohjois- ja Itä-Suomi| 0    | 0     | 0    | 631   | 0    | 143   | 0    | 0     | 0    | 0      | 0    | 0      | 12   | 0.0   |
| FI20 | Åland                | 0    | 0      | 0    | 0      | 0    | 0     | 0    | 0.0   | 0    | 0      | 0    | 0      | 0.0  |
| SE   | SVERIGE / SWEDEN      |      |        |      |        |      |        |      |        |      |        |      |        |
| SE11 | Stockholm            | 0    | 0      | 210  | 0     | 132  | 0     | 0    | 0.0   | 41   | 0      | 16,927 | 2  | 21     | 0.0  |
| SE12 | Östra Mellansverige  | 1,826 | 0   | 0    | 0     | 0    | 0     | 0    | 0.0   | 0    | 0      | 0    | 0      | 0.0  |
| SE21 | Småland med öarna    | 1,048 | 0  | 0    | 0     | 0    | 0     | 0    | 0.0   | 0    | 0      | 0    | 0      | 0.0  |
| SE22 | Sydsverige            | 0    | 0      | 0    | 0      | 0    | 0     | 0    | 0.0   | 0    | 25     | 0    | 0      | 18   | 0.0   |
| SE23 | Västsverige           | 2,100 | 0   | 0    | 0     | 0    | 0     | 0    | 0.0   | 15   | 0      | 15,843 | 2  | 3      | 0.0  |
| SE31 | Norra Mellansverige  | 0    | 0      | 0    | 0      | 0    | 0     | 0    | 0.0   | 0    | 0      | 0    | 0      | 0.0  |
| SE32 | Mellersta Norland     | 0    | 0      | 0    | 0      | 0    | 0     | 0    | 0.0   | 0    | 0      | 0    | 0      | 0.0  |
| SE33 | Övre Norland          | 0    | 0      | 0    | 0      | 0    | 0     | 0    | 0.0   | 0    | 0      | 0    | 0      | 0.0  |
| UK   | UNITED KINGDOM       |      |        |      |        |      |        |      |        |      |        |      |        |
| UK1  | Tees Valley and Durham| 649  | 0    | 0    | 0     | 0    | 0     | 0    | 0.0   | 0    | 0      | 0    | 0      | 0.0  |
| UK2  | Northumberland and Tyne and Wear | 0 | 0 | 1,738 | 3 | 184 | 0 | 0 | 0.0 | 0 | 0 | 0 | 0 | 0.0 |
| UKD1 | Cumbria              | 0    | 0      | 0    | 0      | 0    | 0     | 0    | 0.0   | 62   | 0      | 0    | 0      | 0.0  |
| UKD3 | Greater Manchester   | 0    | 0      | 0    | 0      | 0    | 0     | 0    | 0.0   | 0    | 0      | 0    | 0      | 0.0  |
| Region                              | Nuclear O | Solids F | Solids O | Gas F | Gas O | Oil F | Oil O |
|------------------------------------|-----------|----------|----------|-------|-------|-------|-------|
|                                   | ktoe      | Mio m³   | ktoe     | Mio m³| ktoe  | Mio m³| ktoe  | Mio m³|
| UKD4 Lancashire                    | 1,318     | 0        | 0        | 0     | 0     | 0     | 0     | 0     |
| UKD6 Cheshire                      | 0         | 0        | 0        | 876   | 0     | 0     | 11,572| 5     |
| UKD7 Merseyside                    | 0         | 0        | 0        | 0     | 0     | 0     | 4     | 0     |
| UKE1 East Yorkshire and Northern Lincolnshire | 0 | 0        | 0        | 0     | 0     | 0     | 1,676 | 0     |
| UKE2 North Yorkshire               | 0         | 0        | 2,032    | 44    | 0     | 0     | 17,120| 0     |
| UKE3 South Yorkshire               | 0         | 0        | 0        | 0     | 0     | 0     | 0     | 0     |
| UKE4 West Yorkshire                | 0         | 0        | 0        | 219   | 5     | 0     | 0     | 0     |
| UKF1 Derbyshire and Nottinghamshire| 0         | 0        | 2,358    | 0     | 2,595 | 55    | 0     | 1,130 |
| UKF2 Leicestershire, Rutland and Northamptonshire | 0 | 0        | 0        | 0     | 0     | 0     | 117   | 0     |
| UKF3 Lincolnshire                  | 0         | 0        | 0        | 0     | 0     | 0     | 530   | 0     |
| UKG1 Herefordshire, Worcestershire and Warwickshire | 0 | 0        | 0        | 0     | 0     | 0     | 0     | 0     |
| UKG2 Shropshire and Staffordshire  | 0         | 0        | 772      | 1     | 438   | 9     | 0     | 0     |
| UKG3 West Midlands                 | 0         | 0        | 0        | 0     | 0     | 0     | 0     | 0     |
| UKH1 East Anglia                   | 649       | 0        | 0        | 0     | 0     | 0     | 139   | 0     |
| UKH2 Bedfordshire and Hertfordshire| 0         | 0        | 0        | 0     | 0     | 0     | 492   | 2     |
| UKH3 Essex                         | 0         | 0        | 0        | 0     | 0     | 0     | 257   | 0     |
| UKI3 Inner London - West           | 0         | 0        | 0        | 0     | 0     | 0     | 0     | 0     |
| UKI4 Inner London - East           | 0         | 0        | 0        | 0     | 0     | 0     | 0     | 0     |
| UKI5 Outer London - East and North East | 0 | 0        | 0        | 0     | 0     | 0     | 464   | 4     |
| UKI6 Outer London - South          | 0         | 0        | 0        | 0     | 0     | 0     | 0     | 0     |
| UKI7 Outer London - West and North West | 0 | 0        | 0        | 0     | 0     | 0     | 0     | 22    |
| Region | Description | Nuclear O | Solids F | Solids O | Gas F | Gas O | Oil F | Oil O |
|--------|-------------|-----------|----------|----------|-------|-------|-------|-------|
|        | ktoe        | Mio m³    | ktoe     | Mio m³   | ktoe  | Mio m³ | ktoe  | Mio m³ |
| UKJ1   | Berkshire, Buckinghamshire and Oxfordshire | 0 | 0 | 0 | 0 | 0 | 482 | 4 | 0 | 0 | 0 | 0.0 |
| UKJ2   | Surrey, East and West Sussex | 0 | 0 | 0 | 0 | 0 | 323 | 0 | 12,800 | 0 | 0 | 0.0 |
| UKJ3   | Hampshire and Isle of Wight | 0 | 0 | 0 | 0 | 0 | 924 | 0 | 0 | 0 | 226 | 1.4 |
| UKJ4   | Kent | 649 | 0 | 0 | 0 | 0 | 0 | 0.0 |
| UKK1   | Gloucestershire, Wiltshire and Bristol/Bath area | 0 | 0 | 0 | 0 | 0 | 880 | 0 | 0 | 0 | 0.0 |
| UKK2   | Dorset and Somerset | 649 | 0 | 0 | 0 | 0 | 922 | 6 | 0 | 0.0 |
| UKK3   | Cornwall and Isles of Scilly | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 |
| UKK4   | Devon | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 |
| UKL1   | West Wales and The Valleys | 329 | 0 | 857 | 8 | 0 | 0 | 0.0 |
| UKL2   | East Wales | 0 | 0 | 343 | 8 | 657 | 0 | 0.0 |
| UKM2   | Eastern Scotland | 671 | 0 | 0 | 0 | 1,051 | 0 | 0.0 |
| UKM3   | South Western Scotland | 649 | 0 | 0 | 0 | 0 | 0 | 0.0 |
| UKM5   | North Eastern Scotland | 0 | 0 | 0 | 0 | 0 | 438 | 0 | 0 | 0 | 0.0 |
| UKM6   | Highlands and Islands | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 |
| UKN0   | Northern Ireland | 0 | 0 | 0 | 0 | 228 | 0 | 0.0 |
|        | ktoe        | Mio m³    | ktoe     | Mio m³   | ktoe  | Mio m³ | ktoe  | Mio m³ |

**Note:** The values in the table represent energy content in ktoe (thousand metric tons of oil equivalent) and Mio m³ (million cubic meters) for different regions in the UK.
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