

PROJECTED PRIMARY ENERGY REQUIREMENTS

(Million Tons of Oil Equivalent)

WESTERN EUROPE

	1990	1991	1992	1993	1994	1995	1996	1997	2000
Solid Fuels (1)	318.49	307.13	284.70	263.42	261.48	257.70	251.40	245.03	237.18
Oil (2)	637.42	652.64	665.34	664.52	670.93	680.92	693.95	688.82	700.15
Natural Gas	229.09	247.26	247.50	261.48	263.75	281.22	313.26	324.13	361.48
Nuclear Power	193.87	200.77	204.17	213.10	212.76	217.93	226.72	230.35	233.15
Hydropower (3)	42.32	42.14	44.58	46.42	46.24	47.01	45.52	47.01	48.09
TOTAL COMMERCIAL	1421.16	1449.93	1446.27	1448.93	1455.14	1484.76	1530.83	1535.33	1580.04
Non-Commercial (4)	35.41	35.40	35.93	37.17	38.51	38.98	39.36	39.69	40.68
TOTAL	1456.57	1485.32	1482.20	1486.09	1493.65	1523.73	1570.19	1575.01	1620.72

**PTM**  
CONSULTING GROUP

(1) Includes coal, lignite, etc. but excludes non-commercial fuels shown in (4) below.

(2) Includes non energy products, bunkers, LPG, NGL, refinery fuel and losses.

(3) Includes other (geothermal, solar energy, etc.) and net electricity trade.

(4) Includes peat, wood, pulp waste, etc.

N.B. Totals may not add due to independent rounding.

**PROJECTED PRIMARY ENERGY REQUIREMENTS**

(Million Tons of Oil Equivalent)

**ICELAND**

	1990	1991	1992	1993	1994	1995	1996	1997	2000
Solid Fuels (1)	0.07	0.07	0.05	0.05	0.07	0.05	0.05	0.06	0.06
Oil (2)	0.71	0.66	0.72	0.74	0.75	0.74	0.79	0.80	0.85
Natural Gas	-	-	-	-	-	-	-	-	-
Nuclear Power	-	-	-	-	-	-	-	-	-
Hydropower (3)	1.33	1.31	1.30	1.33	1.32	1.38	1.38	1.38	1.40
<b>TOTAL COMMERCIAL</b>	<b>2.10</b>	<b>2.03</b>	<b>2.07</b>	<b>2.10</b>	<b>2.14</b>	<b>2.17</b>	<b>2.21</b>	<b>2.23</b>	<b>2.30</b>
Non-Commercial (4)	-	-	-	0.01	0.01	0.01	0.01	0.01	0.01
<b>TOTAL</b>	<b>2.10</b>	<b>2.03</b>	<b>2.07</b>	<b>2.10</b>	<b>2.14</b>	<b>2.17</b>	<b>2.21</b>	<b>2.24</b>	<b>2.30</b>

**IRELAND**

	1990	1991	1992	1993	1994	1995	1996	1997	2000
Solid Fuels (1)	3.66	3.58	3.45	3.34	3.18	2.98	2.95	2.90	2.76
Oil (2)	4.48	4.84	4.95	5.09	5.63	5.91	5.91	5.96	6.10
Natural Gas	1.88	1.92	1.90	2.16	2.20	2.33	2.59	2.79	3.23
Nuclear Power	-	-	-	-	-	-	-	-	-
Hydropower (3)	0.06	0.07	0.08	0.07	0.09	0.06	0.06	0.06	0.09
<b>TOTAL COMMERCIAL</b>	<b>10.07</b>	<b>10.40</b>	<b>10.36</b>	<b>10.65</b>	<b>11.07</b>	<b>11.27</b>	<b>11.49</b>	<b>11.70</b>	<b>12.17</b>
Non-Commercial (4)	-	-	-	0.06	0.06	0.06	0.06	0.08	0.10
<b>TOTAL</b>	<b>10.07</b>	<b>10.40</b>	<b>10.36</b>	<b>10.71</b>	<b>11.13</b>	<b>11.33</b>	<b>11.55</b>	<b>11.77</b>	<b>12.27</b>

**ITALY**

	1990	1991	1992	1993	1994	1995	1996	1997	2000
Solid Fuels (1)	14.64	13.80	12.20	10.66	11.36	12.44	11.81	11.81	12.10
Oil (2)	93.79	93.17	94.77	94.09	92.63	96.26	95.23	92.38	91.44
Natural Gas	38.99	41.47	41.10	41.94	40.53	44.99	46.40	49.42	57.21
Nuclear Power	-	-	-	-	-	-	-	-	-
Hydropower (3)	8.48	9.39	9.67	10.14	10.05	9.34	10.00	9.51	9.51
<b>TOTAL COMMERCIAL</b>	<b>155.88</b>	<b>157.82</b>	<b>157.73</b>	<b>156.82</b>	<b>154.55</b>	<b>163.01</b>	<b>163.43</b>	<b>163.10</b>	<b>170.24</b>
Non-Commercial (4)	0.99	1.12	1.21	1.15	1.37	1.38	1.40	1.41	1.45
<b>TOTAL</b>	<b>156.86</b>	<b>158.93</b>	<b>158.93</b>	<b>157.97</b>	<b>155.91</b>	<b>164.40</b>	<b>164.82</b>	<b>164.51</b>	<b>171.68</b>

**LUXEMBOURG**

	1990	1991	1992	1993	1994	1995	1996	1997	2000
Solid Fuels (1)	1.14	1.07	1.01	1.04	0.91	0.85	0.86	0.84	0.78
Oil (2)	1.59	1.85	1.90	1.89	1.89	1.75	1.81	1.82	1.88
Natural Gas	0.43	0.45	0.47	0.49	0.49	0.54	0.61	0.67	0.78
Nuclear Power	-	-	-	-	-	-	-	-	-
Hydropower (3)	0.35	0.37	0.35	0.36	0.40	0.43	0.44	0.44	0.46
<b>TOTAL COMMERCIAL</b>	<b>3.49</b>	<b>3.73</b>	<b>3.72</b>	<b>3.77</b>	<b>3.68</b>	<b>3.55</b>	<b>3.70</b>	<b>3.76</b>	<b>3.88</b>
Non-Commercial (4)	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
<b>TOTAL</b>	<b>3.52</b>	<b>3.75</b>	<b>3.75</b>	<b>3.80</b>	<b>3.70</b>	<b>3.58</b>	<b>3.73</b>	<b>3.78</b>	<b>3.91</b>

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(3) Includes other (geothermal, solar energy, etc.) and net electricity trade.

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