

Study evaluating the current energy efficiency policy framework in the EU and providing orientation on policy options for realising the cost-effective energy-efficiency/saving potential until 2020 and beyond

Country Annex 3: Modelling Analysis

Report on behalf of DG ENER

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Country Annex Modelling Analysis

EU27

Target for 2020 [Mtoe]	
primary energy	final energy
1474.00	1078.00

EU27, Mtoe, Final Energy Demand

Main sectors	2008	Base_noEA		Base_inclEA		Base_WM		AM		LPI		HPI		NE	
		2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030
All sectors (primary energy)	1681.36	1643.71	1610.71	1504.42	1417.53	1503.34	1413.32	1452.98	1322.40	1436.69	1281.19	1372.54	1160.24	1360.93	1124.89
All sectors (final energy)	1168.54	1211.06	1215.89	1108.43	1070.07	1107.63	1066.89	1070.53	998.25	1058.52	967.15	1011.26	875.84	1002.71	849.16
Residential sector	309.19	321.12	313.14	300.35	280.80	299.55	277.62	288.15	252.98	291.99	257.46	261.07	208.20	258.89	201.86
Tertiary sector	190.10	194.52	192.36	186.78	181.14	186.78	181.14	177.21	160.00	175.77	156.01	163.82	134.30	162.99	131.00
Transport	360.02	390.01	399.73	322.23	308.86	322.23	308.86	310.96	295.15	305.22	280.45	305.13	267.46	305.11	262.88
Industry	309.23	305.42	310.66	299.07	299.27	299.07	299.27	294.21	290.12	285.56	273.23	281.24	265.89	275.72	253.42

Residential Appliances	2008	Base_noEA		Base_inclEA		Base_WM		AM		LPI		HPI		NE	
		2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030
Total Residential Appliances	61.30	79.25	90.09	68.04	70.96	67.24	67.78	65.81	60.34	65.81	60.34	63.58	51.42	61.40	45.08
Electric appliances (excl. IT)	14.31	18.50	19.71	13.55	12.08	13.55	12.08	13.13	8.37	13.13	8.37	13.13	8.32	11.98	5.19
IT-Appliances	7.32	12.83	14.17	11.68	12.31	11.42	12.03	11.28	11.75	11.28	11.75	11.09	9.87	11.07	9.63
Lighting	7.33	8.22	8.91	6.34	5.95	6.34	5.95	6.28	5.82	6.28	5.82	5.77	5.06	5.71	4.84
Cooking, of which	16.33	20.16	21.41	17.29	15.39	17.21	14.48	17.14	14.37	17.14	14.37	17.04	13.63	16.88	13.08
electric	6.12	6.51	6.70	6.06	4.71	6.06	4.71	5.99	4.60	5.99	4.60	5.89	3.86	5.87	3.77
non-electric	10.21	13.65	14.71	11.23	10.68	11.15	9.77	11.15	9.77	11.15	9.77	11.15	9.77	11.00	9.31
Air conditioning	0.92	2.18	2.91	1.82	2.26	1.82	2.26	1.79	2.05	1.79	2.05	1.79	2.04	1.74	1.84
Others	15.09	17.36	22.97	17.36	22.97	16.89	20.97	16.19	17.97	16.19	17.97	14.76	12.51	14.03	10.51

Residential Buildings	2008	Base_noEA		Base_inclEA		Base_WM		AM		LPI		HPI		NE	
		2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030
Total Residential Buildings	247.89	241.87	223.06	232.31	209.84	232.31	209.84	222.34	192.64	226.18	197.12	197.49	156.78	197.49	156.78
New buildings	0.00	9.62	15.73	9.22	14.77	9.22	14.77	8.82	13.53	8.98	13.87	7.80	10.94	7.80	10.94
Existing buildings, of which	205.85	191.07	168.58	183.22	158.27	183.22	158.27	175.31	144.97	178.51	148.61	154.98	117.25	154.98	117.25
envelope										4.72	9.85	31.12	45.47	31.12	45.47
heating systems										0.35	1.05	1.13	3.38	1.13	3.38
Hot Water	42.22	41.37	38.92	40.05	36.99	40.05	36.99	38.43	34.37	38.86	34.81	34.93	28.82	34.93	28.82

Tertiary Appliances	2008	Base_noEA		Base_inclEA		Base_WM		AM		LPI		HPI		NE	
		2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030
Total Tertiary Appliances	61.08	70.42	78.28	67.87	73.96	67.87	73.96	63.18	61.18	59.96	55.09	58.59	50.79	58.59	50.79
Cooking	3.57	2.77	2.62	2.77	2.62	2.77	2.62	2.77	2.62	2.77	2.62	2.31	2.18	2.31	2.18
Elevators	1.01	0.80	0.81	0.80	0.82	0.80	0.82	0.80	0.82	0.81	0.84	0.79	0.80	0.79	0.80
ICT data centers	2.41	3.98	5.05	3.81	4.77	3.81	4.77	3.77	4.68	3.77	4.67	3.77	4.67	3.77	4.67
ICT office	1.54	1.22	1.34	1.18	1.30	1.18	1.30	1.16	1.28	0.85	0.95	0.85	0.95	0.85	0.95
Lighting	18.63	19.33	18.29	17.85	15.80	17.85	15.80	17.85	15.80	16.01	12.17	15.46	9.75	15.46	9.75
Lighting street	2.45	2.58	2.74	2.58	2.73	2.58	2.73	2.54	2.61	2.12	1.85	2.12	1.85	2.12	1.85
Refrigeration	6.30	6.70	6.81	6.29	6.15	6.29	6.15	6.26	6.11	6.10	5.79	6.10	5.79	6.10	5.79
Ventilation and air-conditioning	7.41	12.46	17.37	12.44	17.31	12.44	17.31	8.92	9.10	8.92	9.10	8.92	9.10	8.92	9.10
Others	17.76	20.58	23.27	20.17	22.46	20.17	22.46	19.11	18.17	18.61	17.10	18.28	15.71	18.28	15.71

Tertiary Buildings	2008	Base_noEA		Base_inclEA		Base_WM		AM		LPI		HPI		NE	
		2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030
Total Tertiary Buildings	91.22	88.16	79.10	83.49	73.24	83.49	73.24	79.06	65.79	81.11	68.92	71.19	54.18	71.19	54.18
New buildings	#NV	3.24	5.60	3.07	5.18	3.07	5.18	2.91	4.66	2.98	4.88	2.61	3.82	2.61	3.82
Existing buildings, of which	#NV	76.52	65.31	72.41	60.42	72.41	60.42	68.56	54.28	70.34	56.84	61.60	44.52	61.60	44.52
envelope										0.88	1.50	10.57	15.71	10.57	15.71
heating systems										0.06	0.15	0.39	1.10	0.39	1.10
Hot Water	8.32	8.41	8.18	8.00	7.62	8.00	7.62	7.60	6.84	7.79	7.20	6.97	5.81	6.97	5.81

Transport	2008	Base_noEA		Base_inclEA		Base_WM		AM		LPI		HPI		NE	
		2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030
Total Transport	360.02	390.01	399.73	322.23	308.86	322.23	308.86	310.96	295.15	305.22	280.45	305.13	267.46	305.11	262.88
<i>Technical</i>										102.36	93.13	102.36	86.01	102.33	83.56
<i>Modal shift/Infrastructure</i>										102.37	95.08	102.30	92.08	102.33	91.02
<i>Behaviour</i>										100.49	92.24	100.47	89.37	100.45	88.30
Passenger Transport	254.92	280.06	286.39	220.94	207.32	220.94	207.32	213.44	198.77	209.60	189.55	209.55	179.79	209.53	178.84
<i>Road (cars/motocycles)</i>	201.39	216.37	221.88	166.74	153.07	166.74	153.07	160.26	146.05	156.73	137.41	156.67	127.70	156.65	126.77
<i>Road (buses)</i>	12.61	12.40	12.37	11.29	10.43	11.29	10.43	10.21	9.36	9.96	8.99	9.96	8.98	9.96	8.98
<i>Rail</i>	3.17	3.71	3.96	3.21	3.21	3.21	3.21	3.17	3.19	3.15	3.18	3.18	3.18	3.18	3.17
<i>Air</i>	37.76	47.57	48.17	39.70	40.61	39.70	40.61	39.80	40.17	39.75	39.98	39.73	39.93	39.73	39.92
Goods Transport	105.10	109.95	113.34	101.30	101.53	101.30	101.53	97.52	96.38	95.62	90.90	95.58	87.67	95.58	84.04
<i>Road (Light and Heavy Duty Vehicles)</i>	98.94	102.15	105.32	94.52	94.35	94.52	94.35	90.86	89.39	88.98	83.97	88.94	80.72	88.94	77.13
<i>Rail</i>	1.34	1.48	1.44	1.40	1.44	1.40	1.44	1.38	1.39	1.38	1.35	1.38	1.38	1.38	1.35
<i>Ship (maritime)</i>	3.27	1.76	1.74	3.74	3.93	3.74	3.93	3.67	3.83	3.65	3.81	3.65	3.81	3.65	3.79
<i>Ship (inland navigation)</i>	1.53	4.55	4.84	1.64	1.81	1.64	1.81	1.61	1.77	1.61	1.77	1.61	1.77	1.61	1.77

Industry	2008	Base_noEA		Base_inclEA		Base_WM		AM		LPI		HPI		NE	
		2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030
Total Industry	309.23	305.42	310.66	299.07	299.27	299.07	299.27	294.21	290.12	285.56	273.23	281.24	265.89	275.72	253.42
<i>Energy-intensive processes, of which</i>	181.01	168.81	163.30	167.98	161.79	167.98	161.79	166.56	159.12	162.98	153.00	161.21	150.22	159.04	145.95
<i> electricity</i>	37.24	34.38	34.12	34.18	33.72	34.18	33.72	33.82	33.09	32.83	31.47	32.31	30.73	32.01	30.22
<i> fuels</i>	143.77	134.43	129.17	133.80	128.07	133.80	128.07	132.75	126.03	130.15	121.53	128.90	119.49	127.03	115.72
<i>Non energy-intensive processes, of w</i>	128.22	136.61	147.37	131.09	137.48	131.09	137.48	127.65	131.01	122.58	120.23	120.03	115.67	116.68	107.47
<i> electricity</i>	59.21	63.41	68.45	60.66	63.68	60.66	63.68	58.79	60.53	55.70	55.70	54.58	53.91	54.83	53.97
<i> fuels</i>	69.01	73.20	78.92	70.43	73.80	70.43	73.80	68.86	70.48	66.88	64.53	65.45	61.76	61.85	53.50
Specific end-uses	309.23	305.42	310.66	299.07	299.27	299.07	299.27	294.21	290.12	285.56	273.23	281.24	265.89	275.72	253.42
<i>Space heating (total)</i>	29.57	22.45	18.31	20.91	15.81	20.91	15.81	20.03	14.50	20.17	14.40	19.50	13.59	18.17	11.61
<i>Cross-cutting thermal (excl. space he</i>	70.03	75.40	80.95	74.68	79.39	74.68	79.39	74.07	77.51	71.07	70.18	70.06	67.70	68.45	62.43
<i>Cross-cutting electric (motor systems</i>	74.33	76.05	80.05	73.27	75.11	73.27	75.11	71.21	71.57	67.50	65.64	65.97	63.27	66.12	63.09
<i>Process-specific thermal</i>	113.18	109.77	108.83	108.64	106.67	108.64	106.67	107.51	104.49	105.78	101.49	104.79	99.97	102.26	95.19
<i>Process-specific electric</i>	22.12	21.74	22.53	21.58	22.29	21.58	22.29	21.40	22.05	21.03	21.52	20.92	21.37	20.72	21.10
Sub-Sectors	309.23	305.42	310.66	299.07	299.27	299.07	299.27	294.21	290.12	285.56	273.23	281.24	265.89	275.72	253.42
<i>Chemical industry</i>	53.86	57.67	61.14	56.66	59.35	56.66	59.35	55.95	58.09	54.58	55.58	54.03	54.61	53.58	53.31
<i>Engineering and other metal</i>	28.57	31.31	35.39	30.49	33.95	30.49	33.95	29.89	32.95	29.49	32.06	29.00	31.34	28.64	30.77
<i>Food, drink and tobacco</i>	28.96	29.56	31.12	28.72	29.50	28.72	29.50	28.12	28.25	27.27	26.12	26.83	25.20	26.13	23.37
<i>Iron and steel</i>	59.30	52.19	44.11	51.67	43.19	51.67	43.19	51.18	42.17	50.00	39.93	49.41	38.92	47.37	35.15
<i>Non-ferrous metals</i>	10.97	8.21	7.86	8.08	7.69	8.08	7.69	7.96	7.54	7.71	7.23	7.58	7.09	7.47	6.95
<i>Non-metallic mineral products</i>	42.35	41.68	43.76	41.10	42.73	41.10	42.73	40.44	41.48	39.06	39.18	38.44	38.26	38.20	37.56
<i>Other non-classified</i>	48.73	50.57	52.85	49.29	50.52	49.29	50.52	48.44	48.85	47.12	45.80	46.48	44.57	45.63	42.29
<i>Paper and printing</i>	36.50	34.24	34.44	33.06	32.34	33.06	32.34	32.24	30.81	30.32	27.32	29.48	25.91	28.70	24.02

Agriculture/Fishing*	2008	Base_noEA		Base_inclEA		Base_WM		AM		LPI		HPI		NE	
		2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030
Total Agriculture/Fishing*	25.64	24.16	23.01	24.16	23.01	24.16	23.01	24.16	23.01	23.85	21.79	23.53	20.51	22.89	17.95

non-classified (Other)	2008	Base_noEA		Base_inclEA		Base_WM		AM		LPI		HPI		NE	
		2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030
Total non-classified (Other)	12.16	11.78	11.97	11.26	10.93	11.26	10.93	10.80	10.03	10.85	10.20	10.50	8.81	10.32	8.08

*Agriculture/Fishing for Germany is included in Tertiary buildings

EU28

Target for 2020 [Mtoe]	
primary energy	final energy
1474.00	1087.24

EU28, Mtoe, Final Energy Demand

Main sectors	2008	Base_noEA		Base_inclEA		Base_WM		AM		LPI		HPI		NE	
		2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030
All sectors (primary energy)	1691.34	1656.87	1624.56	1516.56	1429.96	1515.46	1425.72	1464.25	1333.42	1448.18	1292.51	1383.54	1170.61	1371.90	1135.31
All sectors (final energy)	1176.28	1221.73	1227.25	1118.27	1080.24	1117.46	1077.04	1079.70	1007.31	1067.85	976.40	1020.18	884.32	1011.60	857.65
Residential sector	312.01	324.38	316.37	303.39	283.72	302.59	280.51	290.89	255.42	294.91	260.11	263.71	210.43	261.51	204.04
Tertiary sector	191.38	195.92	193.80	188.14	182.52	188.14	182.52	178.42	161.10	177.03	157.18	164.97	135.26	164.14	131.95
Transport	362.01	392.90	402.92	324.57	311.26	324.57	311.26	313.09	297.24	307.29	282.50	307.21	269.35	307.19	264.86
Industry	310.88	308.54	314.16	302.17	302.74	302.17	302.74	297.30	293.56	288.62	276.62	284.30	269.27	278.77	256.80

Residential Appliances	2008	Base_noEA		Base_inclEA		Base_WM		AM		LPI		HPI		NE	
		2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030
Total Residential Appliances	61.84	80.00	90.99	68.67	71.66	67.86	68.46	66.42	60.96	66.41	60.92	64.17	51.95	61.97	45.55
Electric appliances (excl. IT)	14.48	18.75	20.01	13.76	12.31	13.76	12.31	13.33	8.58	13.33	8.57	13.33	8.49	12.17	5.34
IT-Appliances	7.38	12.92	14.27	11.75	12.39	11.49	12.11	11.35	11.82	11.35	11.82	11.16	9.93	11.13	9.68
Lighting	7.38	8.30	9.00	6.40	6.02	6.40	6.02	6.34	5.88	6.34	5.88	5.83	5.11	5.76	4.89
Cooking, of which	16.50	20.38	21.68	17.47	15.59	17.40	14.68	17.32	14.55	17.32	14.54	17.21	13.79	17.04	13.22
electric	6.19	6.60	6.81	6.14	4.79	6.14	4.79	6.06	4.67	6.06	4.67	5.96	3.93	5.95	3.82
non-electric	10.31	13.78	14.86	11.33	10.80	11.26	9.89	11.26	9.88	11.25	9.87	11.25	9.86	11.10	9.39
Air conditioning	0.98	2.27	3.03	1.90	2.35	1.90	2.35	1.87	2.12	1.87	2.12	1.87	2.10	1.81	1.90
Others	15.13	17.39	23.01	17.38	23.00	16.92	21.00	16.22	18.00	16.22	18.00	14.79	12.53	14.05	10.53

Residential Buildings	2008	Base_noEA		Base_inclEA		Base_WM		AM		LPI		HPI		NE	
		2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030
Total Residential Buildings	250.17	244.38	225.37	234.72	212.06	234.72	212.06	224.47	194.46	228.50	199.19	199.54	158.49	199.54	158.49
New buildings	0.00	9.72	15.90	9.32	14.93	9.32	14.93	8.91	13.66	9.08	14.02	7.88	11.07	7.88	11.07
Existing buildings, of which	207.76	193.10	170.39	185.18	160.00	185.18	160.00	177.01	146.36	180.40	150.23	156.61	118.56	156.61	118.56
envelope										4.80	9.97	31.47	45.94	31.47	45.94
heating systems										0.35	1.05	1.13	3.39	1.13	3.39
Hot Water	42.57	41.74	39.26	40.41	37.31	40.41	37.31	38.77	34.66	39.20	35.11	35.25	29.09	35.25	29.09

Tertiary Appliances	2008	Base_noEA		Base_inclEA		Base_WM		AM		LPI		HPI		NE	
		2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030
Total Tertiary Appliances	61.47	70.90	78.84	68.33	74.49	68.33	74.49	63.60	61.59	60.35	55.46	58.98	51.13	58.98	51.13
Cooking	2.54	1.97	1.86	1.97	1.86	1.97	1.86	1.97	1.86	1.97	1.86	1.64	1.55	1.64	1.55
Elevators	0.71	0.57	0.58	0.57	0.58	0.57	0.58	0.57	0.58	0.57	0.60	0.56	0.56	0.56	0.56
ICT data centers	1.71	2.82	3.59	2.70	3.39	2.70	3.39	2.68	3.33	2.67	3.32	2.67	3.32	2.67	3.32
ICT office	1.09	0.86	0.95	0.84	0.93	0.84	0.93	0.82	0.91	0.60	0.67	0.60	0.67	0.60	0.67
Lighting	13.28	13.78	13.04	12.72	11.27	12.72	11.27	12.72	11.27	11.41	8.68	11.02	6.96	11.02	6.96
Lighting street	1.74	1.83	1.95	1.83	1.94	1.83	1.94	1.81	1.86	1.51	1.32	1.51	1.32	1.51	1.32
Refrigeration	4.44	4.72	4.80	4.43	4.34	4.43	4.34	4.41	4.30	4.30	4.08	4.30	4.08	4.30	4.08
Ventilation and air-conditioning	5.28	8.89	12.40	8.87	12.36	8.87	12.36	6.36	6.50	6.36	6.50	6.36	6.50	6.36	6.50
Others	30.68	35.44	39.69	34.40	37.83	34.40	37.83	32.26	30.99	30.95	28.44	30.31	26.18	30.31	26.18

Tertiary Buildings	2008	Base_noEA		Base_inclEA		Base_WM		AM		LPI		HPI		NE	
		2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030
Total Tertiary Buildings	91.85	88.85	79.75	84.15	73.86	84.15	73.86	79.62	66.24	81.74	69.51	71.72	54.60	71.72	54.60
New buildings	#NV	3.27	5.65	3.09	5.23	3.09	5.23	2.93	4.69	3.00	4.92	2.63	3.85	2.63	3.85
Existing buildings, of which	#NV	77.11	65.84	72.98	60.93	72.98	60.93	69.03	54.65	70.88	57.31	62.06	44.87	62.06	44.87
envelope										0.89	1.51	10.68	15.89	10.68	15.89
heating systems										0.06	0.16	0.39	1.10	0.39	1.10
Hot Water	8.39	8.48	8.26	8.07	7.69	8.07	7.69	7.66	6.89	7.85	7.26	7.03	5.86	7.03	5.86

Transport	2008	Base_noEA		Base_inclEA		Base_WM		AM		LPI		HPI		NE	
		2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030
Total Transport	362.01	392.90	402.92	324.57	311.26	324.57	311.26	313.09	297.24	307.29	282.50	307.21	269.35	307.19	264.86
<i>Technical</i>										103.06	93.83	103.05	86.63	103.02	84.23
<i>Modal shift/Infrastructure</i>										103.07	95.77	103.00	92.73	103.03	91.69
<i>Behaviour</i>										101.17	92.90	101.16	90.00	101.13	88.94
Passenger Transport	256.21	281.93	288.39	222.25	208.47	222.25	208.47	214.71	199.88	210.84	190.63	210.79	180.83	210.77	179.86
<i>Road (cars/motocycles)</i>	202.46	217.84	223.41	167.79	153.92	167.79	153.92	161.27	146.86	157.72	138.20	157.66	128.45	157.64	127.51
<i>Road (buses)</i>	12.72	12.52	12.50	11.41	10.56	11.41	10.56	10.31	9.47	10.06	9.09	10.06	9.09	10.06	9.08
<i>Rail</i>	3.17	3.72	3.97	3.22	3.21	3.22	3.21	3.18	3.19	3.16	3.18	3.19	3.18	3.19	3.18
<i>Air</i>	37.86	47.86	48.52	39.84	40.78	39.84	40.78	39.95	40.35	39.89	40.16	39.88	40.11	39.88	40.09
Goods Transport	105.80	110.97	114.53	102.32	102.80	102.32	102.80	98.38	97.36	96.45	91.87	96.42	88.52	96.42	85.01
<i>Road (Light and Heavy Duty Vehicles)</i>	99.61	103.12	106.48	95.50	95.57	95.50	95.57	91.67	90.32	89.77	84.89	89.73	81.53	89.73	78.06
<i>Rail</i>	1.37	1.51	1.45	1.43	1.47	1.43	1.47	1.41	1.42	1.41	1.38	1.41	1.40	1.41	1.38
<i>Ship (maritime)</i>	3.29	1.78	1.76	3.75	3.95	3.75	3.95	3.68	3.85	3.67	3.83	3.67	3.83	3.67	3.81
<i>Ship (inland navigation)</i>	1.53	4.55	4.84	1.64	1.81	1.64	1.81	1.61	1.77	1.61	1.77	1.61	1.77	1.61	1.77

Industry	2008	Base_noEA		Base_inclEA		Base_WM		AM		LPI		HPI		NE	
		2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030
Total Industry	310.88	308.54	314.16	302.17	302.74	302.17	302.74	297.30	293.56	288.62	276.62	284.30	269.27	278.77	256.80
<i>Energy-intensive processes, of which</i>	182.03	170.65	165.27	169.83	163.80	169.83	163.80	168.43	161.14	164.84	155.04	163.08	152.28	160.93	148.08
<i> electricity</i>	37.37	34.59	34.35	34.40	33.94	34.40	33.94	34.03	33.31	33.04	31.68	32.52	30.93	32.21	30.43
<i> fuels</i>	144.67	136.05	130.92	135.44	129.86	135.44	129.86	134.40	127.83	131.80	123.37	130.56	121.34	128.72	117.65
<i>Non energy-intensive processes, of w</i>	128.84	137.89	148.89	132.34	138.94	132.34	138.94	128.87	132.42	123.78	121.58	121.22	116.99	117.85	108.72
<i> electricity</i>	59.41	63.81	68.90	61.04	64.11	61.04	64.11	59.15	60.93	56.05	56.07	54.92	54.27	55.17	54.33
<i> fuels</i>	69.44	74.08	79.98	71.30	74.83	71.30	74.83	69.72	71.48	67.73	65.51	66.30	62.72	62.67	54.39
Specific end-uses	310.88	308.54	314.16	302.17	302.74	302.17	302.74	297.30	293.56	288.62	276.62	284.30	269.27	278.77	256.80
<i>Space heating (total)</i>	29.73	22.68	18.51	21.12	15.99	21.12	15.99	20.24	14.67	20.38	14.57	19.71	13.76	18.37	11.77
<i>Cross-cutting thermal (excl. space he</i>	70.40	76.17	81.86	75.46	80.31	75.46	80.31	74.85	78.43	71.84	71.05	70.82	68.56	69.21	63.26
<i>Cross-cutting electric (motor systems</i>	74.60	76.55	80.61	73.76	75.64	73.76	75.64	71.68	72.07	67.95	66.10	66.41	63.71	66.56	63.54
<i>Process-specific thermal</i>	113.98	111.28	110.53	110.15	108.38	110.15	108.38	109.02	106.21	107.31	103.25	106.32	101.75	103.80	97.01
<i>Process-specific electric</i>	22.17	21.85	22.65	21.68	22.41	21.68	22.41	21.51	22.17	21.14	21.64	21.02	21.49	20.82	21.22
Sub-Sectors	310.88	308.54	314.16	302.17	302.74	302.17	302.74	297.30	293.56	288.62	276.62	284.30	269.27	278.77	256.80
<i>Chemical industry</i>	54.11	58.12	61.67	57.11	59.87	57.11	59.87	56.40	58.61	55.03	56.09	54.48	55.13	54.03	53.82
<i>Engineering and other metal</i>	28.65	31.52	35.63	30.69	34.19	30.69	34.19	30.09	33.18	29.68	32.29	29.19	31.56	28.84	31.00
<i>Food, drink and tobacco</i>	29.26	30.12	31.74	29.27	30.12	29.27	30.12	28.67	28.85	27.81	26.72	27.37	25.79	26.67	23.97
<i>Iron and steel</i>	59.30	52.19	44.11	51.67	43.19	51.67	43.19	51.18	42.17	50.00	39.93	49.41	38.92	47.37	35.15
<i>Non-ferrous metals</i>	10.99	8.23	7.88	8.10	7.71	8.10	7.71	7.99	7.56	7.74	7.26	7.61	7.11	7.50	6.98
<i>Non-metallic mineral products</i>	42.88	42.61	44.79	42.03	43.76	42.03	43.76	41.37	42.51	39.99	40.20	39.36	39.27	39.12	38.57
<i>Other non-classified</i>	49.12	51.36	53.72	50.08	51.39	50.08	51.39	49.22	49.71	47.90	46.65	47.26	45.41	46.40	43.14
<i>Paper and printing</i>	36.58	34.39	34.60	33.21	32.50	33.21	32.50	32.38	30.97	30.46	27.47	29.62	26.07	28.84	24.17

Agriculture/Fishing*	2008	Base_noEA		Base_inclEA		Base_WM		AM		LPI		HPI		NE	
		2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030
Total Agriculture/Fishing*	25.90	24.39	23.24	24.39	23.24	24.39	23.24	24.39	23.24	24.09	22.01	23.76	20.72	23.12	18.13

non-classified (Other)	2008	Base_noEA		Base_inclEA		Base_WM		AM		LPI		HPI		NE	
		2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030
Total non-classified (Other)	12.16	11.78	11.97	11.26	10.93	11.26	10.93	10.80	10.03	10.85	10.20	10.50	8.81	10.32	8.08

*Agriculture/Fishing for Germany is included in Tertiary buildings

Austria

Target for 2020 [Mtoe]	
primary energy	final energy
31.50	26.30

Austria, Mtoe, Final Energy Demand

Main sectors	2008	Base_noEA		Base_inclEA		Base_WM		AM		LPI		HPI		NE	
		2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030
All sectors (primary energy)	32.80	32.88	31.67	31.56	30.17	31.54	30.10	30.71	28.71	29.97	27.23	29.49	25.62	29.20	24.82
All sectors (final energy)	28.17	28.48	27.78	27.34	26.46	27.32	26.41	26.59	25.19	25.96	23.89	25.54	22.48	25.29	21.77
Residential sector	6.97	6.64	6.41	6.37	5.93	6.36	5.87	6.21	5.57	6.17	5.53	5.87	4.77	5.84	4.71
Tertiary sector	3.80	3.61	3.30	3.55	3.19	3.55	3.19	3.47	3.01	3.38	2.86	3.40	2.77	3.39	2.71
Transport	8.44	8.71	8.61	8.07	8.20	8.07	8.20	7.73	7.75	7.54	7.26	7.53	6.92	7.53	6.73
Industry	8.96	9.52	9.46	9.34	9.14	9.34	9.14	9.19	8.86	8.87	8.24	8.74	8.02	8.53	7.63

Residential Appliances	2008	Base_noEA		Base_inclEA		Base_WM		AM		LPI		HPI		NE	
		2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030
Total Residential Appliances	1.12	1.38	1.59	1.23	1.32	1.21	1.27	1.18	1.11	1.18	1.11	1.13	0.92	1.10	0.86
Electric appliances (excl. IT)	0.29	0.35	0.38	0.27	0.24	0.27	0.24	0.26	0.17	0.26	0.17	0.26	0.16	0.25	0.15
IT-Appliances	0.15	0.26	0.28	0.24	0.26	0.24	0.25	0.23	0.24	0.23	0.24	0.23	0.21	0.23	0.20
Lighting	0.13	0.15	0.16	0.11	0.11	0.11	0.11	0.11	0.10	0.11	0.10	0.10	0.09	0.10	0.09
Cooking, of which	0.11	0.13	0.14	0.12	0.10	0.12	0.10	0.12	0.09	0.12	0.09	0.11	0.08	0.11	0.08
electric	0.09	0.10	0.11	0.10	0.08	0.10	0.08	0.09	0.07	0.09	0.07	0.09	0.06	0.09	0.06
non-electric	0.02	0.03	0.03	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
Air conditioning	0.00	0.01	0.03	0.01	0.02	0.01	0.02	0.01	0.02	0.01	0.02	0.01	0.02	0.01	0.02
Others	0.42	0.48	0.60	0.48	0.60	0.47	0.56	0.45	0.48	0.45	0.48	0.42	0.36	0.40	0.33

Residential Buildings	2008	Base_noEA		Base_inclEA		Base_WM		AM		LPI		HPI		NE	
		2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030
Total Residential Buildings	5.85	5.26	4.83	5.14	4.61	5.14	4.61	5.03	4.46	4.99	4.42	4.74	3.85	4.74	3.85
New buildings	0.00	0.21	0.34	0.20	0.32	0.20	0.32	0.20	0.31	0.20	0.31	0.18	0.26	0.18	0.26
Existing buildings, of which	4.84	4.11	3.63	4.02	3.47	4.02	3.47	3.94	3.37	3.90	3.33	3.66	2.81	3.66	2.81
envelope										0.12	0.14	0.39	0.74	0.39	0.74
heating systems										0.00	0.01	0.00	0.01	0.00	0.01
Hot Water	0.98	0.92	0.85	0.90	0.82	0.90	0.82	0.88	0.79	0.87	0.78	0.86	0.75	0.86	0.75

Tertiary Appliances	2008	Base_noEA		Base_inclEA		Base_WM		AM		LPI		HPI		NE	
		2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030
Total Tertiary Appliances	1.03	1.16	1.22	1.10	1.13	1.10	1.13	1.06	1.00	1.00	0.89	0.97	0.81	0.97	0.81
Cooking	0.08	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.05	0.05	0.05	0.05
Elevators	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
ICT data centers	0.06	0.09	0.11	0.09	0.11	0.09	0.11	0.09	0.11	0.09	0.11	0.09	0.11	0.09	0.11
ICT office	0.04	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.02	0.02	0.02	0.02	0.02	0.02
Lighting	0.38	0.41	0.37	0.37	0.31	0.37	0.31	0.37	0.31	0.33	0.23	0.32	0.18	0.32	0.18
Lighting street	0.04	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.04	0.03	0.04	0.03	0.04	0.03
Refrigeration	0.15	0.17	0.18	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.15	0.16	0.15	0.16	0.15
Ventilation and air-conditioning	0.07	0.11	0.14	0.11	0.14	0.11	0.14	0.08	0.07	0.08	0.07	0.08	0.07	0.08	0.07
Others	0.18	0.22	0.26	0.22	0.26	0.22	0.26	0.21	0.19	0.21	0.19	0.21	0.18	0.21	0.18

Tertiary Buildings	2008	Base_noEA		Base_inclEA		Base_WM		AM		LPI		HPI		NE	
		2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030
Total Tertiary Buildings	2.23	1.93	1.60	1.93	1.58	1.93	1.58	1.89	1.53	1.87	1.52	1.92	1.53	1.92	1.53
New buildings	#NV	0.07	0.11	0.07	0.11	0.07	0.11	0.07	0.11	0.07	0.11	0.07	0.11	0.07	0.11
Existing buildings, of which	#NV	1.68	1.31	1.67	1.29	1.67	1.29	1.63	1.25	1.62	1.24	1.66	1.24	1.66	1.24
envelope										0.02	0.02	0.01	0.05	0.01	0.05
heating systems										0.00	0.00	0.00	0.00	0.00	0.00
Hot Water	0.23	0.21	0.19	0.21	0.19	0.21	0.19	0.21	0.18	0.21	0.18	0.22	0.20	0.22	0.20

Belgium

Target for 2020 [Mtoe]	
primary energy	final energy
43.70	32.50

Belgium, Mtoe, Final Energy Demand

Main sectors	2008	Base_noEA		Base_inclEA		Base_WM		AM		LPI		HPI		NE	
		2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030
All sectors (primary energy)	49.26	51.87	44.86	47.31	39.57	47.28	39.47	45.96	36.99	45.16	35.27	42.11	31.34	41.84	30.48
All sectors (final energy)	36.17	37.47	36.90	34.18	32.55	34.15	32.47	33.20	30.42	32.62	29.02	30.42	25.78	30.22	25.07
Residential sector	9.21	9.99	9.77	9.22	8.69	9.20	8.61	8.93	7.76	9.01	7.83	7.53	5.95	7.48	5.79
Tertiary sector	5.59	5.61	5.15	5.22	4.72	5.22	4.72	5.08	4.34	5.01	4.13	4.44	3.43	4.41	3.34
Transport	9.45	10.14	10.52	8.23	8.11	8.23	8.11	7.87	7.67	7.68	7.13	7.67	6.73	7.67	6.61
Industry	11.93	11.74	11.46	11.50	11.03	11.50	11.03	11.31	10.66	10.93	9.93	10.78	9.66	10.66	9.32

Residential Appliances	2008	Base_noEA		Base_inclEA		Base_WM		AM		LPI		HPI		NE	
		2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030
Total Residential Appliances	1.39	1.81	2.10	1.58	1.70	1.56	1.62	1.52	1.43	1.52	1.43	1.47	1.21	1.42	1.05
Electric appliances (excl. IT)	0.38	0.47	0.50	0.35	0.32	0.35	0.32	0.34	0.22	0.34	0.22	0.34	0.22	0.31	0.13
IT-Appliances	0.14	0.30	0.34	0.28	0.32	0.28	0.31	0.28	0.31	0.28	0.31	0.27	0.26	0.27	0.25
Lighting	0.14	0.17	0.18	0.13	0.12	0.13	0.12	0.13	0.12	0.13	0.12	0.12	0.10	0.12	0.10
Cooking, of which	0.33	0.42	0.45	0.36	0.32	0.36	0.31	0.36	0.30	0.36	0.30	0.36	0.28	0.35	0.27
electric	0.14	0.16	0.17	0.15	0.12	0.15	0.12	0.15	0.12	0.15	0.12	0.14	0.10	0.14	0.10
non-electric	0.19	0.26	0.28	0.21	0.20	0.21	0.19	0.21	0.19	0.21	0.19	0.21	0.19	0.21	0.18
Air conditioning	0.00	0.02	0.04	0.01	0.03	0.01	0.03	0.01	0.02	0.01	0.02	0.01	0.02	0.01	0.02
Others	0.40	0.44	0.59	0.44	0.59	0.43	0.54	0.41	0.46	0.41	0.46	0.38	0.32	0.36	0.27

Residential Buildings	2008	Base_noEA		Base_inclEA		Base_WM		AM		LPI		HPI		NE	
		2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030
Total Residential Buildings	7.81	8.18	7.67	7.64	6.99	7.64	6.99	7.41	6.33	7.48	6.40	6.06	4.75	6.06	4.75
New buildings	0.00	0.36	0.59	0.34	0.54	0.34	0.54	0.33	0.49	0.33	0.50	0.27	0.37	0.27	0.37
Existing buildings, of which	7.22	7.16	6.37	6.69	5.81	6.69	5.81	6.50	5.28	6.56	5.32	5.32	3.97	5.32	3.97
envelope										0.13	0.51	1.45	2.01	1.45	2.01
heating systems										0.00	0.01	0.01	0.04	0.01	0.04
Hot Water	0.72	0.76	0.79	0.71	0.72	0.71	0.72	0.69	0.65	0.70	0.66	0.57	0.49	0.57	0.49

Tertiary Appliances	2008	Base_noEA		Base_inclEA		Base_WM		AM		LPI		HPI		NE	
		2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030
Total Tertiary Appliances	1.58	1.67	1.74	1.61	1.63	1.61	1.63	1.56	1.47	1.46	1.28	1.42	1.17	1.42	1.17
Cooking	0.10	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.07	0.06	0.07	0.06
Elevators	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
ICT data centers	0.08	0.11	0.13	0.11	0.13	0.11	0.13	0.11	0.13	0.11	0.13	0.11	0.13	0.11	0.13
ICT office	0.05	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.03	0.03	0.03	0.03	0.03	0.03
Lighting	0.66	0.66	0.61	0.61	0.53	0.61	0.53	0.61	0.53	0.54	0.41	0.52	0.32	0.52	0.32
Lighting street	0.11	0.11	0.12	0.11	0.12	0.11	0.12	0.11	0.12	0.10	0.09	0.10	0.09	0.10	0.09
Refrigeration	0.23	0.22	0.20	0.21	0.20	0.21	0.20	0.21	0.20	0.20	0.19	0.20	0.19	0.20	0.19
Ventilation and air-conditioning	0.06	0.13	0.19	0.13	0.19	0.13	0.19	0.09	0.10	0.09	0.10	0.09	0.10	0.09	0.10
Others	0.26	0.30	0.33	0.29	0.32	0.29	0.32	0.28	0.25	0.28	0.24	0.28	0.23	0.28	0.23

Tertiary Buildings	2008	Base_noEA		Base_inclEA		Base_WM		AM		LPI		HPI		NE	
		2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030
Total Tertiary Buildings	3.16	3.03	2.55	2.71	2.24	2.71	2.24	2.63	2.03	2.66	2.05	2.14	1.51	2.14	1.51
New buildings	#NV	0.11	0.18	0.10	0.16	0.10	0.16	0.10	0.14	0.10	0.15	0.08	0.11	0.08	0.11
Existing buildings, of which	#NV	2.64	2.11	2.36	1.85	2.36	1.85	2.29	1.67	2.32	1.69	1.87	1.25	1.87	1.25
envelope										0.02	0.07	0.51	0.64	0.51	0.64
heating systems										0.00	0.00	0.00	0.01	0.00	0.01
Hot Water	0.24	0.26	0.25	0.23	0.22	0.23	0.22	0.23	0.20	0.23	0.20	0.19	0.15	0.19	0.15

Transport	2008	Base_noEA		Base_inclEA		Base_WM		AM		LPI		HPI		NE	
		2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030
Total Transport	9.45	10.14	10.52	8.23	8.11	8.23	8.11	7.87	7.67	7.68	7.13	7.67	6.73	7.67	6.61
<i>Technical</i>										2.58	2.36	2.58	2.15	2.58	2.08
<i>Modal shift/Infrastructure</i>										2.58	2.43	2.58	2.34	2.58	2.31
<i>Behaviour</i>										2.52	2.33	2.52	2.24	2.51	2.22
Passenger Transport	6.36	6.45	6.64	5.11	4.87	5.11	4.87	4.85	4.58	4.73	4.23	4.72	3.92	4.72	3.91
<i>Road (cars/motocycles)</i>	5.75	5.83	5.88	4.54	4.30	4.54	4.30	4.32	4.05	4.20	3.71	4.20	3.40	4.20	3.40
<i>Road (buses)</i>	0.38	0.35	0.34	0.34	0.32	0.34	0.32	0.30	0.28	0.29	0.27	0.29	0.27	0.29	0.27
<i>Rail</i>	0.06	0.07	0.09	0.06	0.06	0.06	0.06	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07
<i>Air</i>	0.17	0.20	0.33	0.17	0.18	0.17	0.18	0.16	0.18	0.16	0.18	0.16	0.18	0.16	0.18
Goods Transport	3.09	3.68	3.88	3.13	3.24	3.13	3.24	3.02	3.09	2.95	2.90	2.95	2.81	2.95	2.70
<i>Road (Light and Heavy Duty Vehicles)</i>	2.81	3.35	3.54	2.81	2.92	2.81	2.92	2.71	2.77	2.64	2.58	2.64	2.50	2.64	2.39
<i>Rail</i>	0.02	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
<i>Ship (maritime)</i>	0.15	0.07	0.07	0.18	0.19	0.18	0.19	0.17	0.18	0.17	0.18	0.17	0.18	0.17	0.18
<i>Ship (inland navigation)</i>	0.11	0.23	0.24	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11

Industry	2008	Base_noEA		Base_inclEA		Base_WM		AM		LPI		HPI		NE	
		2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030
Total Industry	11.93	11.74	11.46	11.50	11.03	11.50	11.03	11.31	10.66	10.93	9.93	10.78	9.66	10.66	9.32
<i>Energy-intensive processes, of which</i>	7.65	7.13	6.47	7.10	6.41	7.10	6.41	7.04	6.29	6.87	6.00	6.80	5.90	6.82	5.88
<i> electricity</i>	1.45	1.44	1.43	1.43	1.41	1.43	1.41	1.42	1.38	1.38	1.31	1.36	1.29	1.37	1.28
<i> fuels</i>	6.20	5.70	5.04	5.67	5.00	5.67	5.00	5.62	4.91	5.49	4.69	5.44	4.61	5.45	4.60
<i>Non energy-intensive processes, of w</i>	4.27	4.60	4.99	4.40	4.62	4.40	4.62	4.27	4.36	4.06	3.93	3.97	3.76	3.84	3.44
<i> electricity</i>	1.90	2.06	2.23	1.95	2.04	1.95	2.04	1.87	1.91	1.74	1.72	1.70	1.66	1.71	1.66
<i> fuels</i>	2.37	2.54	2.76	2.45	2.57	2.45	2.57	2.40	2.45	2.32	2.21	2.27	2.11	2.13	1.77
Specific end-uses	11.93	11.74	11.46	11.50	11.03	11.50	11.03	11.31	10.66	10.93	9.93	10.78	9.66	10.66	9.32
<i>Space heating (total)</i>	1.03	0.77	0.63	0.72	0.55	0.72	0.55	0.70	0.51	0.70	0.51	0.68	0.48	0.63	0.41
<i>Cross-cutting thermal (excl. space he</i>	2.70	3.03	3.29	3.00	3.23	3.00	3.23	2.98	3.15	2.86	2.86	2.83	2.76	2.77	2.55
<i>Cross-cutting electric (motor systems</i>	2.56	2.63	2.77	2.53	2.58	2.53	2.58	2.44	2.43	2.29	2.18	2.24	2.11	2.26	2.11
<i>Process-specific thermal</i>	4.84	4.44	3.88	4.40	3.80	4.40	3.80	4.35	3.70	4.25	3.54	4.20	3.47	4.18	3.42
<i>Process-specific electric</i>	0.80	0.86	0.89	0.85	0.88	0.85	0.88	0.85	0.87	0.83	0.84	0.83	0.84	0.82	0.83
Sub-Sectors	11.93	11.74	11.46	11.50	11.03	11.50	11.03	11.31	10.66	10.93	9.93	10.78	9.66	10.66	9.32
<i>Chemical industry</i>	3.45	3.78	4.03	3.71	3.91	3.71	3.91	3.66	3.82	3.56	3.63	3.53	3.57	3.49	3.46
<i>Engineering and other metal</i>	0.49	0.46	0.51	0.44	0.49	0.44	0.49	0.43	0.47	0.42	0.45	0.41	0.44	0.41	0.43
<i>Food, drink and tobacco</i>	0.95	0.99	1.05	0.96	0.98	0.96	0.98	0.94	0.93	0.91	0.86	0.89	0.83	0.87	0.77
<i>Iron and steel</i>	3.20	2.67	1.83	2.65	1.78	2.65	1.78	2.61	1.72	2.53	1.58	2.50	1.52	2.51	1.52
<i>Non-ferrous metals</i>	0.30	0.29	0.29	0.28	0.28	0.28	0.28	0.27	0.27	0.26	0.25	0.25	0.24	0.25	0.24
<i>Non-metallic mineral products</i>	1.38	1.31	1.37	1.29	1.33	1.29	1.33	1.27	1.29	1.22	1.20	1.20	1.17	1.19	1.14
<i>Other non-classified</i>	1.42	1.46	1.53	1.42	1.46	1.42	1.46	1.39	1.40	1.34	1.29	1.32	1.25	1.30	1.19
<i>Paper and printing</i>	0.73	0.78	0.85	0.76	0.80	0.76	0.80	0.74	0.76	0.69	0.67	0.67	0.64	0.66	0.59

Agriculture/Fishing	2008	Base_noEA		Base_inclEA		Base_WM		AM		LPI		HPI		NE	
		2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030
Total Agriculture/Fishing	0.84	0.80	0.75	0.80	0.75	0.80	0.75	0.80	0.75	0.79	0.71	0.78	0.67	0.76	0.58

non-classified (Other)	2008	Base_noEA		Base_inclEA		Base_WM		AM		LPI		HPI		NE	
		2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030
Total non-classified (Other)	0.01	0.11	0.11	0.10	0.10	0.10	0.10	0.10	0.09	0.10	0.09	0.09	0.08	0.09	0.07

Bulgaria

Target for 2020 [Mtoe]	
primary energy	final energy
15.80	9.16

Bulgaria, Mtoe, Final Energy Demand

Main sectors	2008	Base_noEA		Base_inclEA		Base_WM		AM		LPI		HPI		NE	
		2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030
All sectors (primary energy)	17.87	18.65	18.76	17.48	16.62	17.45	16.53	16.73	15.35	16.71	15.04	16.16	13.87	16.01	13.41
All sectors (final energy)	9.42	10.33	11.10	9.68	9.83	9.66	9.78	9.26	9.08	9.25	8.90	8.95	8.21	8.86	7.94
Residential sector	2.59	2.57	2.50	2.45	2.32	2.44	2.26	2.29	2.02	2.38	2.12	2.18	1.74	2.16	1.67
Tertiary sector	1.17	1.31	1.44	1.29	1.39	1.29	1.39	1.18	1.15	1.16	1.09	1.09	0.93	1.09	0.91
Transport	2.25	2.92	3.37	2.50	2.49	2.50	2.49	2.42	2.38	2.42	2.34	2.42	2.25	2.42	2.19
Industry	3.41	3.52	3.79	3.43	3.64	3.43	3.64	3.38	3.53	3.29	3.35	3.25	3.29	3.20	3.16

Residential Appliances	2008	Base_noEA		Base_inclEA		Base_WM		AM		LPI		HPI		NE	
		2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030
Total Residential Appliances	0.67	0.93	1.08	0.80	0.90	0.79	0.85	0.77	0.74	0.77	0.74	0.73	0.57	0.70	0.50
Electric appliances (excl. IT)	0.15	0.19	0.20	0.13	0.11	0.13	0.11	0.13	0.08	0.13	0.08	0.13	0.08	0.11	0.05
IT-Appliances	0.08	0.16	0.17	0.14	0.15	0.14	0.15	0.14	0.14	0.14	0.14	0.14	0.12	0.14	0.12
Lighting	0.05	0.05	0.05	0.04	0.03	0.04	0.03	0.04	0.03	0.04	0.03	0.04	0.03	0.04	0.03
Cooking, of which	0.14	0.16	0.16	0.14	0.11	0.13	0.11	0.13	0.11	0.13	0.11	0.13	0.10	0.13	0.10
electric	0.08	0.08	0.07	0.07	0.05	0.07	0.05	0.07	0.05	0.07	0.05	0.07	0.04	0.07	0.04
non-electric	0.06	0.08	0.09	0.07	0.06	0.07	0.06	0.07	0.06	0.07	0.06	0.07	0.06	0.06	0.05
Air conditioning	0.02	0.05	0.05	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
Others	0.23	0.32	0.46	0.32	0.46	0.31	0.41	0.30	0.35	0.30	0.35	0.27	0.22	0.25	0.19

Residential Buildings	2008	Base_noEA		Base_inclEA		Base_WM		AM		LPI		HPI		NE	
		2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030
Total Residential Buildings	1.91	1.65	1.42	1.65	1.42	1.65	1.42	1.52	1.29	1.62	1.39	1.45	1.17	1.45	1.17
New buildings	0.00	0.05	0.09	0.05	0.09	0.05	0.09	0.05	0.08	0.05	0.08	0.05	0.07	0.05	0.07
Existing buildings, of which	1.28	1.08	0.91	1.08	0.91	1.08	0.91	1.00	0.83	1.06	0.89	0.95	0.76	0.95	0.76
envelope										0.02	0.02	0.13	0.17	0.13	0.17
heating systems										0.00	0.00	0.00	0.00	0.00	0.00
Hot Water	0.57	0.48	0.40	0.48	0.40	0.48	0.40	0.44	0.36	0.47	0.39	0.43	0.34	0.43	0.34

Tertiary Appliances	2008	Base_noEA		Base_inclEA		Base_WM		AM		LPI		HPI		NE	
		2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030
Total Tertiary Appliances	0.58	0.77	0.93	0.75	0.88	0.75	0.88	0.68	0.69	0.64	0.61	0.63	0.56	0.63	0.56
Cooking	0.05	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
Elevators	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ICT data centers	0.02	0.04	0.07	0.04	0.06	0.04	0.06	0.04	0.05	0.04	0.05	0.04	0.05	0.04	0.05
ICT office	0.01	0.01	0.02	0.01	0.02	0.01	0.02	0.01	0.02	0.01	0.01	0.01	0.01	0.01	0.01
Lighting	0.26	0.30	0.30	0.28	0.26	0.28	0.26	0.28	0.26	0.25	0.20	0.25	0.16	0.25	0.16
Lighting street	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.02	0.02	0.02	0.02	0.02	0.02
Refrigeration	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Ventilation and air-conditioning	0.11	0.20	0.31	0.20	0.31	0.20	0.31	0.14	0.16	0.14	0.16	0.14	0.16	0.14	0.16
Others	0.09	0.12	0.16	0.12	0.16	0.12	0.16	0.12	0.11	0.12	0.11	0.12	0.10	0.12	0.10

Tertiary Buildings	2008	Base_noEA		Base_inclEA		Base_WM		AM		LPI		HPI		NE	
		2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030
Total Tertiary Buildings	0.41	0.36	0.33	0.36	0.33	0.36	0.33	0.33	0.29	0.35	0.31	0.30	0.22	0.30	0.22
New buildings	#NV	0.01	0.02	0.01	0.02	0.01	0.02	0.01	0.02	0.01	0.02	0.01	0.02	0.01	0.02
Existing buildings, of which	#NV	0.33	0.29	0.33	0.29	0.33	0.29	0.29	0.25	0.31	0.27	0.27	0.19	0.27	0.19
envelope										0.01	0.01	0.06	0.11	0.06	0.11
heating systems										0.00	0.00	0.00	0.00	0.00	0.00
Hot Water	0.03	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.01	0.02	0.01

Croatia

Target for 2020 [Mtoe]	
primary energy	final energy
-	9.24

Croatia, Mtoe, Final Energy Demand

Main sectors	2008	Base_noEA		Base_inclEA		Base_WM		AM		LPI		HPI		NE	
		2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030
All sectors (primary energy)	9.78	12.55	13.24	11.56	11.86	11.56	11.84	10.79	10.56	10.97	10.79	10.49	9.89	10.46	9.90
All sectors (final energy)	7.74	10.67	11.36	9.83	10.17	9.83	10.15	9.17	9.06	9.33	9.25	8.92	8.48	8.90	8.49
Residential sector	2.82	3.27	3.23	3.04	2.91	3.04	2.89	2.75	2.44	2.93	2.65	2.64	2.24	2.62	2.18
Tertiary sector	1.28	1.40	1.44	1.36	1.39	1.36	1.39	1.21	1.10	1.26	1.17	1.15	0.97	1.14	0.94
Transport	1.99	2.89	3.19	2.33	2.41	2.33	2.41	2.13	2.09	2.08	2.04	2.08	1.89	2.08	1.99
Industry	1.65	3.12	3.49	3.10	3.46	3.10	3.46	3.09	3.44	3.06	3.39	3.05	3.38	3.06	3.38

Residential Appliances	2008	Base_noEA		Base_inclEA		Base_WM		AM		LPI		HPI		NE	
		2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030
Total Residential Appliances	0.54	0.76	0.91	0.63	0.70	0.62	0.68	0.61	0.62	0.60	0.58	0.59	0.53	0.57	0.47
Electric appliances (excl. IT)	0.16	0.25	0.30	0.21	0.23	0.21	0.22	0.20	0.20	0.20	0.19	0.19	0.17	0.19	0.16
IT-Appliances	0.06	0.08	0.10	0.07	0.08	0.07	0.08	0.07	0.07	0.07	0.06	0.07	0.06	0.06	0.05
Lighting	0.05	0.07	0.09	0.06	0.07	0.06	0.07	0.06	0.06	0.06	0.06	0.06	0.05	0.06	0.05
Cooking, of which	0.16	0.22	0.27	0.18	0.21	0.18	0.20	0.18	0.18	0.18	0.17	0.17	0.15	0.17	0.14
electric	0.07	0.09	0.11	0.08	0.09	0.08	0.08	0.08	0.08	0.07	0.07	0.07	0.07	0.07	0.06
non-electric	0.09	0.13	0.15	0.11	0.12	0.11	0.12	0.10	0.10	0.10	0.10	0.10	0.09	0.10	0.08
Air conditioning	0.06	0.09	0.11	0.08	0.09	0.08	0.08	0.08	0.08	0.07	0.07	0.07	0.06	0.07	0.06
Others	0.04	0.03	0.04	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.02	0.03	0.02

Residential Buildings	2008	Base_noEA		Base_inclEA		Base_WM		AM		LPI		HPI		NE	
		2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030
Total Residential Buildings	2.28	2.51	2.32	2.42	2.21	2.42	2.21	2.14	1.82	2.32	2.07	2.05	1.71	2.05	1.71
New buildings	0.00	0.10	0.17	0.10	0.16	0.10	0.16	0.09	0.13	0.09	0.15	0.08	0.12	0.08	0.12
Existing buildings, of which	1.91	2.03	1.81	1.96	1.73	1.96	1.73	1.70	1.39	1.88	1.62	1.63	1.31	1.63	1.31
envelope										0.08	0.12	0.35	0.47	0.35	0.47
heating systems										0.00	0.00	0.00	0.00	0.00	0.00
Hot Water	0.35	0.37	0.34	0.36	0.32	0.36	0.32	0.33	0.29	0.34	0.30	0.32	0.27	0.32	0.27

Tertiary Appliances	2008	Base_noEA		Base_inclEA		Base_WM		AM		LPI		HPI		NE	
		2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030
Total Tertiary Appliances	0.39	0.48	0.56	0.46	0.53	0.46	0.53	0.42	0.42	0.39	0.37	0.39	0.34	0.39	0.34
Cooking	0.03	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
Elevators	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ICT data centers	0.01	0.03	0.04	0.02	0.03	0.02	0.03	0.02	0.03	0.02	0.03	0.02	0.03	0.02	0.03
ICT office	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Lighting	0.18	0.19	0.18	0.17	0.16	0.17	0.16	0.17	0.16	0.16	0.12	0.15	0.10	0.15	0.10
Lighting street	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.01	0.02	0.01	0.02	0.01
Refrigeration	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Ventilation and air-conditioning	0.07	0.12	0.18	0.12	0.18	0.12	0.18	0.09	0.10	0.09	0.10	0.09	0.10	0.09	0.10
Others	0.06	0.08	0.10	0.08	0.10	0.08	0.10	0.07	0.07	0.07	0.07	0.07	0.06	0.07	0.06

Tertiary Buildings	2008	Base_noEA		Base_inclEA		Base_WM		AM		LPI		HPI		NE	
		2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030
Total Tertiary Buildings	0.63	0.69	0.65	0.66	0.63	0.66	0.63	0.56	0.45	0.64	0.58	0.53	0.42	0.53	0.42
New buildings	#NV	0.02	0.05	0.02	0.04	0.02	0.04	0.02	0.03	0.02	0.04	0.02	0.03	0.02	0.03
Existing buildings, of which	#NV	0.59	0.53	0.57	0.51	0.57	0.51	0.47	0.37	0.54	0.47	0.45	0.34	0.45	0.34
envelope										0.01	0.02	0.12	0.18	0.12	0.18
heating systems										0.00	0.00	0.00	0.00	0.00	0.00
Hot Water	0.06	0.07	0.08	0.07	0.07	0.07	0.07	0.06	0.05	0.07	0.07	0.06	0.05	0.06	0.05

Transport	2008	Base_noEA		Base_inclEA		Base_WM		AM		LPI		HPI		NE	
		2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030
Total Transport	0.89	0.83	0.92	0.94	0.91	0.94	0.91	0.91	0.86	0.89	0.82	0.89	0.78	0.89	0.78
<i>Technical</i>										0.30	0.28	0.30	0.25	0.30	0.25
<i>Modal shift/Infrastructure</i>										0.30	0.28	0.30	0.27	0.30	0.27
<i>Behaviour</i>										0.29	0.27	0.29	0.26	0.29	0.26
Passenger Transport	0.79	0.76	0.85	0.83	0.81	0.83	0.81	0.80	0.76	0.79	0.73	0.79	0.69	0.79	0.68
<i>Road (cars/motocycles)</i>	0.58	0.54	0.61	0.57	0.55	0.57	0.55	0.56	0.51	0.54	0.48	0.54	0.45	0.54	0.44
<i>Road (buses)</i>	0.07	0.07	0.06	0.07	0.06	0.07	0.06	0.07	0.06	0.06	0.06	0.06	0.06	0.06	0.06
<i>Rail</i>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<i>Air</i>	0.13	0.16	0.18	0.18	0.20	0.18	0.20	0.18	0.19	0.18	0.19	0.18	0.19	0.18	0.19
Goods Transport	0.10	0.07	0.07	0.11	0.10	0.11	0.10	0.11	0.10	0.10	0.09	0.10	0.09	0.10	0.09
<i>Road (Light and Heavy Duty Vehicles)</i>	0.05	0.01	0.01	0.06	0.05	0.06	0.05	0.05	0.04	0.05	0.04	0.05	0.04	0.05	0.04
<i>Rail</i>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<i>Ship (maritime)</i>	0.05	0.00	0.00	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
<i>Ship (inland navigation)</i>	0.00	0.05	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Industry	2008	Base_noEA		Base_inclEA		Base_WM		AM		LPI		HPI		NE	
		2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030
Total Industry	0.31	0.31	0.34	0.31	0.33	0.31	0.33	0.30	0.32	0.29	0.31	0.29	0.30	0.29	0.29
<i>Energy-intensive processes, of which</i>	0.15	0.15	0.16	0.15	0.16	0.15	0.16	0.15	0.16	0.14	0.15	0.14	0.14	0.14	0.14
<i> electricity</i>	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
<i> fuels</i>	0.12	0.13	0.14	0.13	0.14	0.13	0.14	0.13	0.13	0.12	0.12	0.12	0.12	0.12	0.12
<i>Non energy-intensive processes, of w</i>	0.16	0.16	0.17	0.16	0.17	0.16	0.17	0.16	0.16	0.15	0.16	0.15	0.16	0.15	0.15
<i> electricity</i>	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.02	0.02	0.02	0.02	0.02	0.02	0.02
<i> fuels</i>	0.13	0.13	0.14	0.13	0.14	0.13	0.14	0.13	0.14	0.13	0.14	0.13	0.14	0.13	0.13
Specific end-uses	0.31	0.31	0.34	0.31	0.33	0.31	0.33	0.30	0.32	0.29	0.31	0.29	0.30	0.29	0.29
<i>Space heating (total)</i>	0.01	0.01	0.00	0.01	0.00	0.01	0.00	0.01	0.00	0.01	0.00	0.01	0.00	0.01	0.00
<i>Cross-cutting thermal (excl. space he</i>	0.04	0.04	0.05	0.04	0.05	0.04	0.05	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.03
<i>Cross-cutting electric (motor systems</i>	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.04	0.05	0.04	0.04	0.04	0.04	0.04	0.04
<i>Process-specific thermal</i>	0.19	0.21	0.23	0.21	0.23	0.21	0.23	0.21	0.23	0.20	0.22	0.20	0.22	0.20	0.21
<i>Process-specific electric</i>	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sub-Sectors	0.31	0.31	0.34	0.31	0.33	0.31	0.33	0.30	0.32	0.29	0.31	0.29	0.30	0.29	0.29
<i>Chemical industry</i>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<i>Engineering and other metal</i>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<i>Food, drink and tobacco</i>	0.02	0.01	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
<i>Iron and steel</i>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<i>Non-ferrous metals</i>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<i>Non-metallic mineral products</i>	0.23	0.24	0.26	0.23	0.25	0.23	0.25	0.23	0.25	0.22	0.24	0.22	0.23	0.22	0.23
<i>Other non-classified</i>	0.06	0.05	0.06	0.05	0.06	0.05	0.06	0.05	0.06	0.05	0.05	0.05	0.05	0.05	0.05
<i>Paper and printing</i>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Agriculture/Fishing	2008	Base_noEA		Base_inclEA		Base_WM		AM		LPI		HPI		NE	
		2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030
Total Agriculture/Fishing	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.03	0.04	0.03

non-classified (Other)	2008	Base_noEA		Base_inclEA		Base_WM		AM		LPI		HPI		NE	
		2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030
Total non-classified (Other)	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.01	0.02	0.01

Czech Republic

Target for 2020 [Mtoe]	
primary energy	final energy
39.60	25.32

Czech Republic, Mtoe, Final Energy Demand

Main sectors	2008	Base_noEA		Base_inclEA		Base_WM		AM		LPI		HPI		NE	
		2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030
All sectors (primary energy)	42.98	39.98	40.89	37.53	37.35	37.52	37.30	35.92	34.36	35.72	33.87	34.61	31.63	33.73	30.35
All sectors (final energy)	26.04	27.54	27.81	25.85	25.40	25.85	25.37	24.74	23.37	24.61	23.04	23.84	21.51	23.23	20.64
Residential sector	7.28	7.57	7.12	7.05	6.36	7.05	6.33	6.72	5.72	6.79	5.85	6.47	5.33	6.43	5.22
Tertiary sector	4.08	4.34	4.32	4.20	4.12	4.20	4.12	3.82	3.36	3.97	3.64	3.63	2.98	3.62	2.91
Transport	5.96	6.69	6.91	5.91	5.88	5.91	5.88	5.69	5.58	5.55	5.28	5.55	5.11	5.55	5.02
Industry	8.73	8.94	9.46	8.69	9.03	8.69	9.03	8.52	8.72	8.29	8.26	8.19	8.09	7.64	7.49

Residential Appliances	2008	Base_noEA		Base_inclEA		Base_WM		AM		LPI		HPI		NE	
		2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030
Total Residential Appliances	1.07	1.45	1.63	1.16	1.12	1.16	1.09	1.13	0.96	1.13	0.96	1.11	0.87	1.07	0.76
Electric appliances (excl. IT)	0.32	0.49	0.57	0.34	0.34	0.34	0.34	0.32	0.24	0.32	0.24	0.32	0.24	0.29	0.15
IT-Appliances	0.06	0.11	0.12	0.10	0.11	0.10	0.11	0.10	0.10	0.10	0.10	0.10	0.09	0.10	0.08
Lighting	0.18	0.21	0.22	0.16	0.15	0.16	0.15	0.16	0.14	0.16	0.14	0.14	0.12	0.14	0.12
Cooking, of which	0.44	0.55	0.58	0.48	0.40	0.48	0.39	0.48	0.38	0.48	0.38	0.48	0.35	0.47	0.34
electric	0.25	0.29	0.30	0.27	0.20	0.27	0.20	0.27	0.20	0.27	0.20	0.26	0.16	0.26	0.16
non-electric	0.19	0.26	0.28	0.21	0.20	0.21	0.19	0.21	0.19	0.21	0.19	0.21	0.19	0.21	0.18
Air conditioning	0.00	0.02	0.03	0.01	0.02	0.01	0.02	0.01	0.02	0.01	0.02	0.01	0.02	0.01	0.02
Others	0.06	0.07	0.10	0.07	0.10	0.06	0.09	0.06	0.07	0.06	0.07	0.06	0.05	0.05	0.04

Residential Buildings	2008	Base_noEA		Base_inclEA		Base_WM		AM		LPI		HPI		NE	
		2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030
Total Residential Buildings	6.20	6.12	5.49	5.89	5.24	5.89	5.24	5.58	4.76	5.66	4.89	5.36	4.46	5.36	4.46
New buildings	0.00	0.24	0.38	0.23	0.37	0.23	0.37	0.21	0.32	0.22	0.34	0.20	0.30	0.20	0.30
Existing buildings, of which	4.87	4.72	4.12	4.54	3.93	4.54	3.93	4.16	3.39	4.36	3.67	4.00	3.20	4.00	3.20
envelope										0.18	0.27	0.57	0.81	0.57	0.81
heating systems										0.00	0.00	0.01	0.03	0.01	0.03
Hot Water	1.16	1.06	0.92	1.02	0.88	1.02	0.88	1.04	0.89	0.98	0.82	0.99	0.84	0.99	0.84

Tertiary Appliances	2008	Base_noEA		Base_inclEA		Base_WM		AM		LPI		HPI		NE	
		2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030
Total Tertiary Appliances	0.93	1.19	1.33	1.15	1.25	1.15	1.25	1.09	1.07	1.03	0.95	1.00	0.87	1.00	0.87
Cooking	0.07	0.06	0.05	0.06	0.05	0.06	0.05	0.06	0.05	0.06	0.05	0.05	0.05	0.05	0.05
Elevators	0.03	0.03	0.02	0.03	0.02	0.03	0.02	0.03	0.02	0.03	0.02	0.02	0.02	0.02	0.02
ICT data centers	0.03	0.09	0.13	0.09	0.12	0.09	0.12	0.09	0.12	0.09	0.12	0.09	0.12	0.09	0.12
ICT office	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.02	0.02	0.02	0.02	0.02	0.02
Lighting	0.38	0.44	0.42	0.41	0.36	0.41	0.36	0.41	0.36	0.36	0.28	0.35	0.22	0.35	0.22
Lighting street	0.05	0.05	0.06	0.05	0.06	0.05	0.06	0.05	0.06	0.04	0.04	0.04	0.04	0.04	0.04
Refrigeration	0.07	0.09	0.10	0.08	0.09	0.08	0.09	0.08	0.09	0.08	0.08	0.08	0.08	0.08	0.08
Ventilation and air-conditioning	0.10	0.17	0.25	0.17	0.25	0.17	0.25	0.12	0.13	0.12	0.13	0.12	0.13	0.12	0.13
Others	0.18	0.23	0.28	0.23	0.27	0.23	0.27	0.22	0.21	0.22	0.21	0.22	0.19	0.22	0.19

Tertiary Buildings	2008	Base_noEA		Base_inclEA		Base_WM		AM		LPI		HPI		NE	
		2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030
Total Tertiary Buildings	2.33	2.35	2.23	2.27	2.14	2.27	2.14	1.96	1.58	2.18	1.99	1.88	1.48	1.88	1.48
New buildings	#NV	0.09	0.16	0.08	0.15	0.08	0.15	0.07	0.11	0.08	0.14	0.07	0.10	0.07	0.10
Existing buildings, of which	#NV	2.01	1.81	1.94	1.73	1.94	1.73	1.66	1.27	1.86	1.62	1.59	1.19	1.59	1.19
envelope										0.03	0.05	0.35	0.58	0.35	0.58
heating systems										0.00	0.00	0.00	0.01	0.00	0.01
Hot Water	0.25	0.26	0.27	0.25	0.26	0.25	0.26	0.22	0.19	0.24	0.24	0.22	0.18	0.22	0.18

Transport	2008	Base_noEA		Base_inclEA		Base_WM		AM		LPI		HPI		NE	
		2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030
Total Transport	5.96	6.69	6.91	5.91	5.88	5.91	5.88	5.69	5.58	5.55	5.28	5.55	5.11	5.55	5.02
<i>Technical</i>										1.87	1.77	1.86	1.67	1.86	1.62
<i>Modal shift/Infrastructure</i>										1.87	1.79	1.86	1.75	1.86	1.73
<i>Behaviour</i>										1.82	1.72	1.82	1.68	1.82	1.66
Passenger Transport	4.24	4.64	5.04	4.02	3.98	4.02	3.98	3.86	3.76	3.77	3.59	3.77	3.46	3.77	3.44
<i>Road (cars/motocycles)</i>	3.29	3.63	3.99	3.06	2.99	3.06	2.99	2.94	2.80	2.86	2.65	2.86	2.52	2.86	2.51
<i>Road (buses)</i>	0.52	0.47	0.42	0.48	0.44	0.48	0.44	0.44	0.40	0.42	0.38	0.42	0.38	0.42	0.38
<i>Rail</i>	0.14	0.15	0.15	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12
<i>Air</i>	0.29	0.39	0.48	0.36	0.43	0.36	0.43	0.36	0.44	0.36	0.43	0.36	0.43	0.36	0.43
Goods Transport	1.72	2.05	1.88	1.88	1.91	1.88	1.91	1.83	1.82	1.78	1.70	1.78	1.65	1.78	1.58
<i>Road (Light and Heavy Duty Vehicles)</i>	1.63	1.93	1.78	1.80	1.83	1.80	1.83	1.74	1.74	1.70	1.62	1.70	1.57	1.70	1.50
<i>Rail</i>	0.09	0.11	0.09	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08
<i>Ship (maritime)</i>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<i>Ship (inland navigation)</i>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Industry	2008	Base_noEA		Base_inclEA		Base_WM		AM		LPI		HPI		NE	
		2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030
Total Industry	8.73	8.94	9.46	8.69	9.03	8.69	9.03	8.52	8.72	8.29	8.26	8.19	8.09	7.64	7.49
<i>Energy-intensive processes, of which</i>	5.40	4.69	4.63	4.68	4.60	4.68	4.60	4.64	4.53	4.56	4.39	4.52	4.32	4.09	3.99
<i> electricity</i>	0.59	0.55	0.56	0.55	0.55	0.55	0.55	0.54	0.55	0.53	0.53	0.52	0.52	0.50	0.50
<i> fuels</i>	4.80	4.14	4.07	4.13	4.05	4.13	4.05	4.10	3.99	4.04	3.87	4.00	3.81	3.59	3.48
<i>Non energy-intensive processes, of w</i>	3.33	4.25	4.83	4.02	4.43	4.02	4.43	3.88	4.18	3.73	3.87	3.67	3.76	3.55	3.50
<i> electricity</i>	1.50	1.89	2.17	1.82	2.04	1.82	2.04	1.77	1.95	1.69	1.82	1.66	1.77	1.67	1.77
<i> fuels</i>	1.83	2.36	2.66	2.20	2.39	2.20	2.39	2.11	2.23	2.04	2.06	2.01	2.00	1.88	1.74
Specific end-uses	8.73	8.94	9.46	8.69	9.03	8.69	9.03	8.52	8.72	8.29	8.26	8.19	8.09	7.64	7.49
<i>Space heating (total)</i>	1.27	1.25	1.14	1.11	0.92	1.11	0.92	1.03	0.81	1.00	0.75	0.98	0.73	0.90	0.61
<i>Cross-cutting thermal (excl. space he</i>	1.03	1.26	1.49	1.28	1.54	1.28	1.54	1.29	1.55	1.25	1.41	1.23	1.36	1.23	1.29
<i>Cross-cutting electric (motor systems</i>	1.67	1.96	2.19	1.89	2.06	1.89	2.06	1.84	1.97	1.75	1.83	1.72	1.77	1.71	1.76
<i>Process-specific thermal</i>	4.33	4.00	4.10	3.94	3.97	3.94	3.97	3.89	3.86	3.83	3.76	3.80	3.71	3.35	3.32
<i>Process-specific electric</i>	0.42	0.48	0.54	0.47	0.53	0.47	0.53	0.47	0.53	0.46	0.51	0.47	0.52	0.46	0.51
Sub-Sectors	8.73	8.94	9.46	8.69	9.03	8.69	9.03	8.52	8.72	8.29	8.26	8.19	8.09	7.64	7.49
<i>Chemical industry</i>	1.32	1.51	1.58	1.48	1.53	1.48	1.53	1.46	1.50	1.44	1.44	1.42	1.42	1.41	1.38
<i>Engineering and other metal</i>	1.20	1.71	2.12	1.63	1.99	1.63	1.99	1.58	1.90	1.54	1.83	1.52	1.80	1.49	1.75
<i>Food, drink and tobacco</i>	0.60	0.63	0.66	0.61	0.62	0.61	0.62	0.59	0.59	0.58	0.55	0.57	0.54	0.56	0.50
<i>Iron and steel</i>	2.64	1.80	1.60	1.78	1.57	1.78	1.57	1.77	1.54	1.73	1.46	1.71	1.43	1.28	1.09
<i>Non-ferrous metals</i>	0.07	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
<i>Non-metallic mineral products</i>	1.23	1.23	1.30	1.20	1.25	1.20	1.25	1.17	1.21	1.13	1.13	1.11	1.10	1.10	1.07
<i>Other non-classified</i>	1.05	1.29	1.39	1.24	1.31	1.24	1.31	1.21	1.25	1.18	1.19	1.18	1.17	1.15	1.10
<i>Paper and printing</i>	0.61	0.72	0.75	0.69	0.71	0.69	0.71	0.68	0.67	0.64	0.61	0.63	0.59	0.61	0.54

Agriculture/Fishing	2008	Base_noEA		Base_inclEA		Base_WM		AM		LPI		HPI		NE	
		2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030
Total Agriculture/Fishing	0.52	0.51	0.47	0.51	0.47	0.51	0.47	0.51	0.47	0.50	0.44	0.50	0.42	0.48	0.36

non-classified (Other)	2008	Base_noEA		Base_inclEA		Base_WM		AM		LPI		HPI		NE	
		2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030
Total non-classified (Other)	0.30	0.29	0.29	0.27	0.27	0.27	0.27	0.26	0.24	0.26	0.25	0.26	0.21	0.25	0.20

Denmark

Target for 2020 [Mtoe]	
primary energy	final energy
17.80	14.80

Denmark, Mtoe, Final Energy Demand

Main sectors	2008	Base_noEA		Base_inclEA		Base_WM		AM		LPI		HPI		NE	
		2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030
All sectors (primary energy)	17.33	16.39	16.44	14.83	14.29	14.81	14.26	14.44	13.58	14.30	13.19	13.97	12.36	13.87	11.88
All sectors (final energy)	13.64	13.55	13.63	12.26	11.84	12.25	11.82	11.94	11.26	11.82	10.93	11.55	10.25	11.47	9.85
Residential sector	2.94	2.86	2.84	2.64	2.36	2.63	2.34	2.56	2.19	2.63	2.30	2.49	2.01	2.46	1.93
Tertiary sector	2.81	2.95	2.94	2.86	2.72	2.86	2.72	2.81	2.61	2.77	2.51	2.67	2.28	2.65	2.19
Transport	5.25	5.10	5.04	4.17	4.06	4.17	4.06	4.02	3.83	3.93	3.64	3.93	3.53	3.93	3.39
Industry	2.65	2.64	2.80	2.59	2.71	2.59	2.71	2.55	2.63	2.49	2.48	2.46	2.43	2.43	2.34

Residential Appliances	2008	Base_noEA		Base_inclEA		Base_WM		AM		LPI		HPI		NE	
		2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030
Total Residential Appliances	0.77	0.90	0.99	0.78	0.79	0.77	0.77	0.75	0.68	0.75	0.68	0.72	0.56	0.69	0.48
Electric appliances (excl. IT)	0.19	0.24	0.25	0.18	0.16	0.18	0.16	0.18	0.11	0.18	0.11	0.18	0.11	0.16	0.07
IT-Appliances	0.15	0.20	0.21	0.19	0.20	0.19	0.19	0.18	0.19	0.18	0.19	0.18	0.16	0.18	0.15
Lighting	0.13	0.13	0.14	0.09	0.09	0.09	0.09	0.09	0.08	0.09	0.08	0.09	0.07	0.08	0.07
Cooking, of which	0.07	0.08	0.08	0.07	0.06	0.07	0.06	0.07	0.06	0.07	0.06	0.07	0.05	0.07	0.05
electric	0.07	0.07	0.07	0.06	0.05	0.06	0.05	0.06	0.05	0.06	0.05	0.06	0.04	0.06	0.04
non-electric	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Air conditioning	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Others	0.22	0.23	0.29	0.23	0.29	0.23	0.27	0.22	0.24	0.22	0.24	0.20	0.17	0.19	0.14

Residential Buildings	2008	Base_noEA		Base_inclEA		Base_WM		AM		LPI		HPI		NE	
		2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030
Total Residential Buildings	2.17	1.96	1.85	1.86	1.57	1.86	1.57	1.80	1.51	1.88	1.62	1.77	1.45	1.77	1.45
New buildings	0.00	0.09	0.15	0.08	0.13	0.08	0.13	0.08	0.12	0.08	0.13	0.08	0.12	0.08	0.12
Existing buildings, of which	2.04	1.75	1.60	1.66	1.36	1.66	1.36	1.61	1.31	1.68	1.40	1.58	1.26	1.58	1.26
envelope										-0.02	-0.04	0.08	0.11	0.08	0.11
heating systems										0.00	0.00	0.00	0.00	0.00	0.00
Hot Water	0.17	0.15	0.13	0.14	0.11	0.14	0.11	0.14	0.10	0.14	0.11	0.14	0.10	0.14	0.10

Tertiary Appliances	2008	Base_noEA		Base_inclEA		Base_WM		AM		LPI		HPI		NE	
		2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030
Total Tertiary Appliances	0.94	1.11	1.19	1.05	1.09	1.05	1.09	1.03	1.01	0.97	0.89	0.93	0.80	0.93	0.80
Cooking	0.08	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.06	0.05	0.06	0.05
Elevators	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
ICT data centers	0.06	0.09	0.11	0.09	0.11	0.09	0.11	0.09	0.11	0.09	0.11	0.09	0.11	0.09	0.11
ICT office	0.04	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.02	0.02	0.02	0.02	0.02	0.02
Lighting	0.34	0.39	0.40	0.36	0.34	0.36	0.34	0.36	0.34	0.32	0.25	0.30	0.19	0.30	0.19
Lighting street	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.04	0.03	0.04	0.03	0.04	0.03
Refrigeration	0.20	0.23	0.23	0.21	0.21	0.21	0.21	0.21	0.20	0.21	0.19	0.21	0.19	0.21	0.19
Ventilation and air-conditioning	0.01	0.04	0.06	0.04	0.06	0.04	0.06	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
Others	0.15	0.20	0.23	0.20	0.23	0.20	0.23	0.19	0.18	0.19	0.18	0.19	0.17	0.19	0.17

Tertiary Buildings	2008	Base_noEA		Base_inclEA		Base_WM		AM		LPI		HPI		NE	
		2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030
Total Tertiary Buildings	1.00	0.96	0.97	0.92	0.85	0.92	0.85	0.89	0.82	0.93	0.88	0.88	0.78	0.88	0.78
New buildings	#NV	0.03	0.06	0.03	0.06	0.03	0.06	0.03	0.05	0.03	0.06	0.03	0.05	0.03	0.05
Existing buildings, of which	#NV	0.78	0.75	0.75	0.67	0.75	0.67	0.73	0.64	0.76	0.68	0.72	0.61	0.72	0.61
envelope										0.00	-0.01	0.04	0.05	0.04	0.05
heating systems										0.00	0.00	0.00	0.00	0.00	0.00
Hot Water	0.19	0.18	0.19	0.17	0.16	0.17	0.16	0.17	0.15	0.17	0.17	0.16	0.15	0.16	0.15

Finland

Target for 2020 [Mtoe]	
primary energy	final energy
35.90	26.70

Finland, Mtoe, Final Energy Demand

Main sectors	2008	Base_noEA		Base_inclEA		Base_WM		AM		LPI		HPI		NE	
		2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030
All sectors (primary energy)	36.77	39.45	43.12	37.30	39.52	37.28	39.46	36.32	37.61	35.79	36.30	34.76	33.90	34.29	32.28
All sectors (final energy)	27.38	26.87	26.95	25.40	24.70	25.39	24.67	24.74	23.51	24.38	22.69	23.67	21.19	23.35	20.18
Residential sector	5.66	5.42	5.13	5.18	4.69	5.17	4.65	5.02	4.40	5.18	4.65	4.89	4.12	4.86	4.02
Tertiary sector	4.62	5.06	5.08	4.88	4.70	4.88	4.70	4.75	4.44	4.73	4.36	4.56	3.89	4.51	3.71
Transport	4.87	4.88	4.95	4.17	4.11	4.17	4.11	4.05	3.94	4.05	3.85	4.05	3.74	4.04	3.57
Industry	12.24	11.51	11.80	11.17	11.20	11.17	11.20	10.92	10.73	10.42	9.83	10.18	9.44	9.94	8.88

Residential Appliances	2008	Base_noEA		Base_inclEA		Base_WM		AM		LPI		HPI		NE	
		2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030
Total Residential Appliances	0.92	1.16	1.30	1.01	1.03	1.00	1.00	0.97	0.89	0.97	0.89	0.93	0.75	0.89	0.65
Electric appliances (excl. IT)	0.20	0.25	0.27	0.19	0.17	0.19	0.17	0.18	0.12	0.18	0.12	0.18	0.12	0.17	0.07
IT-Appliances	0.09	0.17	0.18	0.16	0.16	0.15	0.16	0.15	0.16	0.15	0.16	0.15	0.13	0.15	0.13
Lighting	0.31	0.35	0.38	0.28	0.26	0.28	0.26	0.28	0.25	0.28	0.25	0.26	0.22	0.25	0.21
Cooking, of which	0.07	0.08	0.08	0.07	0.06	0.07	0.06	0.07	0.06	0.07	0.06	0.07	0.05	0.07	0.05
electric	0.06	0.07	0.07	0.06	0.05	0.06	0.05	0.06	0.05	0.06	0.05	0.06	0.04	0.06	0.04
non-electric	0.01	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Air conditioning	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Others	0.24	0.30	0.38	0.30	0.38	0.30	0.35	0.28	0.30	0.28	0.30	0.26	0.23	0.25	0.19

Residential Buildings	2008	Base_noEA		Base_inclEA		Base_WM		AM		LPI		HPI		NE	
		2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030
Total Residential Buildings	4.74	4.26	3.83	4.17	3.66	4.17	3.66	4.05	3.51	4.21	3.76	3.97	3.37	3.97	3.37
New buildings	0.00	0.17	0.27	0.16	0.25	0.16	0.25	0.16	0.25	0.17	0.26	0.16	0.24	0.16	0.24
Existing buildings, of which	3.96	3.35	2.91	3.27	2.73	3.27	2.73	3.18	2.63	3.30	2.81	3.12	2.53	3.12	2.53
envelope										-0.03	-0.09	0.16	0.22	0.16	0.22
heating systems										0.00	0.01	0.00	0.01	0.00	0.01
Hot Water	0.49	0.48	0.43	0.47	0.44	0.47	0.44	0.46	0.42	0.48	0.45	0.45	0.40	0.45	0.40

Tertiary Appliances	2008	Base_noEA		Base_inclEA		Base_WM		AM		LPI		HPI		NE	
		2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030
Total Tertiary Appliances	1.25	1.40	1.47	1.33	1.35	1.33	1.35	1.30	1.25	1.22	1.11	1.19	0.99	1.19	0.99
Cooking	0.07	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.05	0.05	0.05	0.05
Elevators	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
ICT data centers	0.05	0.09	0.12	0.08	0.10	0.08	0.10	0.08	0.10	0.08	0.10	0.08	0.10	0.08	0.10
ICT office	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.02	0.03	0.02	0.02	0.02	0.02	0.02	0.02
Lighting	0.62	0.65	0.63	0.60	0.54	0.60	0.54	0.60	0.54	0.54	0.43	0.52	0.35	0.52	0.35
Lighting street	0.03	0.03	0.04	0.03	0.04	0.03	0.04	0.03	0.04	0.03	0.02	0.03	0.02	0.03	0.02
Refrigeration	0.14	0.18	0.20	0.17	0.17	0.17	0.17	0.16	0.17	0.16	0.16	0.16	0.16	0.16	0.16
Ventilation and air-conditioning	0.03	0.04	0.05	0.04	0.05	0.04	0.05	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
Others	0.25	0.30	0.33	0.30	0.33	0.30	0.33	0.29	0.27	0.29	0.27	0.28	0.25	0.28	0.25

Tertiary Buildings	2008	Base_noEA		Base_inclEA		Base_WM		AM		LPI		HPI		NE	
		2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030
Total Tertiary Buildings	1.31	1.27	1.24	1.24	1.15	1.24	1.15	1.20	1.10	1.25	1.18	1.18	1.06	1.18	1.06
New buildings	#NV	0.04	0.08	0.04	0.08	0.04	0.08	0.04	0.07	0.04	0.08	0.04	0.07	0.04	0.07
Existing buildings, of which	#NV	1.04	0.97	1.01	0.89	1.01	0.89	0.98	0.86	1.02	0.92	0.96	0.82	0.96	0.82
envelope										0.00	-0.01	0.05	0.07	0.05	0.07
heating systems										0.00	0.00	0.00	0.00	0.00	0.00
Hot Water	0.22	0.22	0.22	0.21	0.20	0.21	0.20	0.21	0.19	0.21	0.21	0.20	0.19	0.20	0.19

Transport	2008	Base_noEA		Base_inclEA		Base_WM		AM		LPI		HPI		NE	
		2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030
Total Transport	4.87	4.88	4.95	4.17	4.11	4.17	4.11	4.05	3.94	4.05	3.85	4.05	3.74	4.04	3.57
<i>Technical</i>										1.35	1.27	1.35	1.20	1.35	1.11
<i>Modal shift/Infrastructure</i>										1.35	1.29	1.35	1.27	1.35	1.23
<i>Behaviour</i>										1.35	1.29	1.35	1.27	1.35	1.23
Passenger Transport	3.23	3.35	3.36	2.36	2.29	2.36	2.29	2.27	2.18	2.27	2.15	2.27	2.10	2.27	2.04
<i>Road (cars/motocycles)</i>	2.76	2.73	2.69	1.93	1.85	1.93	1.85	1.86	1.75	1.86	1.73	1.86	1.67	1.86	1.62
<i>Road (buses)</i>	0.13	0.14	0.15	0.13	0.12	0.13	0.12	0.12	0.11	0.12	0.11	0.12	0.11	0.12	0.11
<i>Rail</i>	0.04	0.04	0.04	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
<i>Air</i>	0.30	0.43	0.48	0.27	0.29	0.27	0.29	0.26	0.28	0.26	0.28	0.26	0.28	0.26	0.28
Goods Transport	1.64	1.53	1.59	1.81	1.82	1.81	1.82	1.78	1.76	1.78	1.70	1.78	1.64	1.78	1.53
<i>Road (Light and Heavy Duty Vehicles)</i>	1.51	1.40	1.44	1.68	1.67	1.68	1.67	1.65	1.62	1.65	1.55	1.65	1.50	1.65	1.38
<i>Rail</i>	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
<i>Ship (maritime)</i>	0.09	0.00	0.00	0.10	0.12	0.10	0.12	0.10	0.12	0.10	0.12	0.10	0.12	0.10	0.12
<i>Ship (inland navigation)</i>	0.00	0.10	0.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Industry	2008	Base_noEA		Base_inclEA		Base_WM		AM		LPI		HPI		NE	
		2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030
Total Industry	12.24	11.51	11.80	11.17	11.20	11.17	11.20	10.92	10.73	10.42	9.83	10.18	9.44	9.94	8.88
<i>Energy-intensive processes, of which</i>	8.03	7.46	7.68	7.43	7.62	7.43	7.62	7.34	7.48	7.10	7.13	6.96	6.95	6.92	6.89
<i> electricity</i>	2.19	2.08	2.18	2.06	2.16	2.06	2.16	2.01	2.08	1.85	1.90	1.76	1.81	1.71	1.76
<i> fuels</i>	5.83	5.39	5.50	5.37	5.46	5.37	5.46	5.33	5.40	5.25	5.23	5.20	5.15	5.21	5.13
<i>Non energy-intensive processes, of w</i>	4.21	4.05	4.12	3.74	3.57	3.74	3.57	3.58	3.25	3.32	2.70	3.22	2.49	3.02	1.98
<i> electricity</i>	1.52	1.39	1.42	1.26	1.18	1.26	1.18	1.19	1.07	1.08	0.91	1.06	0.86	1.08	0.87
<i> fuels</i>	2.69	2.65	2.70	2.49	2.39	2.49	2.39	2.39	2.19	2.24	1.79	2.16	1.62	1.94	1.11
Specific end-uses	12.24	11.51	11.80	11.17	11.20	11.17	11.20	10.92	10.73	10.42	9.83	10.18	9.44	9.94	8.88
<i>Space heating (total)</i>	1.32	1.04	0.88	0.95	0.75	0.95	0.75	0.90	0.67	0.89	0.66	0.87	0.62	0.80	0.52
<i>Cross-cutting thermal (excl. space he</i>	5.12	4.96	5.32	4.89	5.20	4.89	5.20	4.84	5.06	4.64	4.57	4.57	4.41	4.45	4.06
<i>Cross-cutting electric (motor systems</i>	2.84	2.72	2.83	2.58	2.58	2.58	2.58	2.47	2.41	2.25	2.12	2.15	2.00	2.14	1.97
<i>Process-specific thermal</i>	2.08	2.04	2.00	2.01	1.92	2.01	1.92	1.97	1.84	1.95	1.79	1.92	1.75	1.90	1.66
<i>Process-specific electric</i>	0.87	0.74	0.77	0.74	0.76	0.74	0.76	0.72	0.74	0.69	0.69	0.67	0.67	0.65	0.66
Sub-Sectors	12.24	11.51	11.80	11.17	11.20	11.17	11.20	10.92	10.73	10.42	9.83	10.18	9.44	9.94	8.88
<i>Chemical industry</i>	1.06	1.13	1.19	1.11	1.15	1.11	1.15	1.10	1.13	1.08	1.09	1.06	1.07	1.05	1.04
<i>Engineering and other metal</i>	0.42	0.52	0.57	0.49	0.51	0.49	0.51	0.46	0.48	0.44	0.45	0.44	0.44	0.42	0.41
<i>Food, drink and tobacco</i>	0.35	0.32	0.34	0.31	0.31	0.31	0.31	0.30	0.29	0.29	0.28	0.28	0.26	0.27	0.23
<i>Iron and steel</i>	1.50	1.21	1.03	1.20	1.00	1.20	1.00	1.19	0.98	1.16	0.93	1.15	0.90	1.15	0.89
<i>Non-ferrous metals</i>	0.28	0.27	0.27	0.27	0.26	0.27	0.26	0.26	0.26	0.26	0.25	0.25	0.24	0.25	0.24
<i>Non-metallic mineral products</i>	0.39	0.43	0.48	0.42	0.46	0.42	0.46	0.41	0.45	0.40	0.42	0.40	0.42	0.39	0.41
<i>Other non-classified</i>	1.36	1.35	1.44	1.31	1.37	1.31	1.37	1.29	1.32	1.26	1.25	1.24	1.20	1.20	1.12
<i>Paper and printing</i>	6.87	6.27	6.50	6.07	6.13	6.07	6.13	5.91	5.84	5.53	5.17	5.36	4.91	5.20	4.53

Agriculture/Fishing	2008	Base_noEA		Base_inclEA		Base_WM		AM		LPI		HPI		NE	
		2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030
Total Agriculture/Fishing	0.77	0.75	0.69	0.75	0.69	0.75	0.69	0.75	0.69	0.74	0.65	0.73	0.61	0.71	0.54

non-classified (Other)	2008	Base_noEA		Base_inclEA		Base_WM		AM		LPI		HPI		NE	
		2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030
Total non-classified (Other)	1.29	1.64	1.67	1.57	1.52	1.57	1.52	1.51	1.40	1.51	1.42	1.46	1.23	1.44	1.13

France

Target for 2020 [Mtoe]	
primary energy	final energy
236.30	131.40

France, Mtoe, Final Energy Demand

Main sectors	2008	Base_noEA		Base_inclEA		Base_WM		AM		LPI		HPI		NE	
		2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030
All sectors (primary energy)	266.32	265.55	258.35	244.53	228.78	244.30	227.90	236.38	211.04	232.96	203.07	216.98	178.84	215.69	173.71
All sectors (final energy)	165.51	170.03	168.22	156.58	148.97	156.43	148.39	151.36	137.42	149.16	132.22	138.93	116.45	138.11	113.11
Residential sector	45.03	48.60	47.64	44.73	42.05	44.58	41.48	43.31	37.28	43.65	37.58	36.55	28.46	36.19	27.40
Tertiary sector	34.79	33.25	32.07	31.56	29.87	31.56	29.87	30.23	26.44	29.82	25.54	27.21	21.71	27.00	20.88
Transport	51.63	56.11	56.28	48.89	46.06	48.89	46.06	46.99	43.75	45.87	41.12	45.86	39.16	45.86	38.57
Industry	34.06	32.08	32.23	31.39	30.99	31.39	30.99	30.83	29.95	29.83	27.98	29.31	27.12	29.06	26.27

Residential Appliances	2008	Base_noEA		Base_inclEA		Base_WM		AM		LPI		HPI		NE	
		2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030
Total Residential Appliances	8.87	11.79	13.68	10.24	10.98	10.09	10.40	9.84	9.14	9.84	9.14	9.53	7.75	9.17	6.69
Electric appliances (excl. IT)	2.30	2.83	2.98	2.07	1.79	2.07	1.79	2.01	1.25	2.01	1.25	2.02	1.25	1.84	0.75
IT-Appliances	1.00	1.85	2.05	1.69	1.80	1.66	1.76	1.64	1.72	1.64	1.72	1.61	1.44	1.61	1.41
Lighting	0.74	0.81	0.89	0.61	0.56	0.61	0.56	0.60	0.55	0.60	0.55	0.55	0.48	0.55	0.46
Cooking, of which	2.30	2.83	3.02	2.44	2.19	2.43	2.07	2.42	2.05	2.42	2.05	2.41	1.93	2.38	1.86
electric	0.92	0.98	1.03	0.92	0.75	0.92	0.75	0.91	0.73	0.91	0.73	0.90	0.61	0.90	0.60
non-electric	1.38	1.85	1.99	1.52	1.44	1.51	1.32	1.51	1.32	1.51	1.32	1.51	1.32	1.49	1.26
Air conditioning	0.03	0.22	0.42	0.18	0.33	0.18	0.33	0.18	0.30	0.18	0.30	0.18	0.29	0.17	0.27
Others	2.50	3.24	4.31	3.24	4.31	3.14	3.90	2.99	3.28	2.99	3.28	2.77	2.36	2.62	1.95

Residential Buildings	2008	Base_noEA		Base_inclEA		Base_WM		AM		LPI		HPI		NE	
		2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030
Total Residential Buildings	36.16	36.81	33.96	34.49	31.07	34.49	31.07	33.47	28.14	33.81	28.43	27.02	20.70	27.02	20.70
New buildings	0.00	1.56	2.52	1.46	2.31	1.46	2.31	1.42	2.09	1.43	2.11	1.15	1.55	1.15	1.55
Existing buildings, of which	32.23	30.96	27.00	29.00	24.70	29.00	24.70	28.19	22.43	28.43	22.61	22.87	16.64	22.87	16.64
envelope										0.51	2.03	6.26	8.13	6.26	8.13
heating systems										0.07	0.20	0.29	0.85	0.29	0.85
Hot Water	4.12	4.24	4.24	3.98	3.89	3.98	3.89	3.86	3.52	3.90	3.56	3.13	2.61	3.13	2.61

Tertiary Appliances	2008	Base_noEA		Base_inclEA		Base_WM		AM		LPI		HPI		NE	
		2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030
Total Tertiary Appliances	9.63	10.89	11.79	10.48	11.12	10.48	11.12	9.71	9.03	9.22	8.15	9.02	7.54	9.02	7.54
Cooking	0.51	0.40	0.36	0.40	0.36	0.40	0.36	0.40	0.36	0.40	0.36	0.32	0.29	0.32	0.29
Elevators	0.11	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09
ICT data centers	0.42	0.65	0.82	0.59	0.73	0.59	0.73	0.57	0.67	0.57	0.66	0.57	0.66	0.57	0.66
ICT office	0.25	0.19	0.20	0.19	0.20	0.19	0.20	0.18	0.19	0.13	0.14	0.13	0.14	0.13	0.14
Lighting	3.55	3.46	3.10	3.20	2.70	3.20	2.70	3.20	2.70	2.89	2.11	2.79	1.71	2.79	1.71
Lighting street	0.51	0.52	0.53	0.52	0.53	0.52	0.53	0.52	0.53	0.43	0.36	0.43	0.36	0.43	0.36
Refrigeration	1.19	1.18	1.19	1.08	1.00	1.08	1.00	1.07	0.97	1.04	0.92	1.04	0.92	1.04	0.92
Ventilation and air-conditioning	1.21	2.31	3.23	2.31	3.23	2.31	3.23	1.68	1.74	1.68	1.74	1.68	1.74	1.68	1.74
Others	1.90	2.10	2.27	2.10	2.27	2.10	2.27	2.00	1.76	2.00	1.76	1.98	1.62	1.98	1.62

Tertiary Buildings	2008	Base_noEA		Base_inclEA		Base_WM		AM		LPI		HPI		NE	
		2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030
Total Tertiary Buildings	12.92	11.81	9.85	10.81	8.87	10.81	8.87	10.49	8.04	10.60	8.12	8.43	5.88	8.43	5.88
New buildings	#NV	0.43	0.69	0.39	0.62	0.39	0.62	0.38	0.56	0.39	0.57	0.31	0.41	0.31	0.41
Existing buildings, of which	#NV	10.15	8.04	9.27	7.22	9.27	7.22	9.00	6.55	9.09	6.61	7.20	4.77	7.20	4.77
envelope										0.07	0.26	2.06	2.42	2.06	2.42
heating systems										0.01	0.03	0.09	0.25	0.09	0.25
Hot Water	1.19	1.16	1.09	1.08	0.99	1.08	0.99	1.05	0.90	1.06	0.91	0.84	0.66	0.84	0.66

Transport	2008	Base_noEA		Base_inclEA		Base_WM		AM		LPI		HPI		NE	
		2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030
Total Transport	51.63	56.11	56.28	48.89	46.06	48.89	46.06	46.99	43.75	45.87	41.12	45.86	39.16	45.86	38.57
<i>Technical</i>										15.41	13.68	15.41	12.61	15.41	12.29
<i>Modal shift/Infrastructure</i>										15.41	13.99	15.40	13.53	15.41	13.39
<i>Behaviour</i>										15.05	13.45	15.05	13.02	15.04	12.88
Passenger Transport	33.30	35.61	35.71	29.74	26.98	29.74	26.98	28.82	25.88	28.21	24.52	28.21	23.28	28.22	23.32
<i>Road (cars/motocycles)</i>	25.73	27.35	27.48	21.52	19.44	21.52	19.44	20.76	18.56	20.21	17.27	20.20	16.05	20.20	16.09
<i>Road (buses)</i>	1.00	1.02	1.08	0.92	0.87	0.92	0.87	0.82	0.77	0.80	0.73	0.80	0.73	0.80	0.73
<i>Rail</i>	0.45	0.53	0.55	0.62	0.61	0.62	0.61	0.60	0.59	0.59	0.59	0.61	0.59	0.61	0.59
<i>Air</i>	6.12	6.70	6.61	6.68	6.06	6.68	6.06	6.63	5.96	6.62	5.94	6.62	5.91	6.62	5.91
Goods Transport	18.33	20.51	20.57	19.16	19.08	19.16	19.08	18.17	17.87	17.65	16.60	17.65	15.87	17.65	15.24
<i>Road (Light and Heavy Duty Vehicles)</i>	17.82	19.90	19.93	18.56	18.41	18.56	18.41	17.60	17.21	17.09	15.95	17.09	15.22	17.09	14.59
<i>Rail</i>	0.19	0.20	0.19	0.19	0.22	0.19	0.22	0.19	0.22	0.19	0.22	0.19	0.22	0.19	0.22
<i>Ship (maritime)</i>	0.24	0.06	0.06	0.32	0.36	0.32	0.36	0.31	0.35	0.29	0.35	0.29	0.35	0.29	0.35
<i>Ship (inland navigation)</i>	0.07	0.35	0.39	0.09	0.09	0.09	0.09	0.08	0.09	0.08	0.09	0.08	0.09	0.08	0.09

Industry	2008	Base_noEA		Base_inclEA		Base_WM		AM		LPI		HPI		NE	
		2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030
Total Industry	34.06	32.08	32.23	31.39	30.99	31.39	30.99	30.83	29.95	29.83	27.98	29.31	27.12	29.06	26.27
<i>Energy-intensive processes, of which</i>	18.05	15.40	13.91	15.33	13.80	15.33	13.80	15.20	13.55	14.80	12.90	14.64	12.66	14.78	12.76
<i> electricity</i>	3.75	3.17	3.04	3.15	3.01	3.15	3.01	3.12	2.95	3.03	2.78	2.99	2.71	2.99	2.70
<i> fuels</i>	14.29	12.23	10.87	12.18	10.79	12.18	10.79	12.07	10.60	11.77	10.12	11.66	9.95	11.79	10.06
<i>Non energy-intensive processes, of w</i>	16.01	16.68	18.32	16.06	17.19	16.06	17.19	15.63	16.39	15.02	15.08	14.67	14.46	14.28	13.50
<i> electricity</i>	7.31	8.15	9.29	7.80	8.70	7.80	8.70	7.54	8.26	7.09	7.54	6.95	7.28	6.96	7.25
<i> fuels</i>	8.71	8.53	9.03	8.26	8.49	8.26	8.49	8.10	8.13	7.94	7.54	7.72	7.17	7.32	6.25
Specific end-uses	34.06	32.08	32.23	31.39	30.99	31.39	30.99	30.83	29.95	29.83	27.98	29.31	27.12	29.06	26.27
<i>Space heating (total)</i>	3.77	2.69	2.14	2.53	1.87	2.53	1.87	2.43	1.72	2.48	1.74	2.36	1.60	2.20	1.36
<i>Cross-cutting thermal (excl. space he</i>	7.48	8.10	8.64	8.05	8.52	8.05	8.52	8.00	8.34	7.67	7.54	7.57	7.29	7.43	6.76
<i>Cross-cutting electric (motor systems</i>	8.72	8.92	9.83	8.60	9.25	8.60	9.25	8.33	8.78	7.84	7.95	7.66	7.63	7.69	7.61
<i>Process-specific thermal</i>	11.74	9.97	9.11	9.85	8.89	9.85	8.89	9.73	8.67	9.55	8.38	9.45	8.23	9.49	8.20
<i>Process-specific electric</i>	2.34	2.39	2.51	2.35	2.47	2.35	2.47	2.33	2.44	2.27	2.37	2.27	2.36	2.25	2.34
Sub-Sectors	34.06	32.08	32.23	31.39	30.99	31.39	30.99	30.83	29.95	29.83	27.98	29.31	27.12	29.06	26.27
<i>Chemical industry</i>	7.75	8.09	8.49	7.96	8.25	7.96	8.25	7.85	8.06	7.65	7.72	7.57	7.59	7.53	7.44
<i>Engineering and other metal</i>	3.41	3.44	4.22	3.35	4.04	3.35	4.04	3.27	3.90	3.21	3.74	3.12	3.61	3.09	3.55
<i>Food, drink and tobacco</i>	4.81	4.92	5.39	4.78	5.10	4.78	5.10	4.67	4.87	4.52	4.48	4.44	4.32	4.32	4.00
<i>Iron and steel</i>	6.03	3.93	2.37	3.90	2.32	3.90	2.32	3.86	2.26	3.76	2.11	3.72	2.05	3.86	2.19
<i>Non-ferrous metals</i>	1.12	0.70	0.70	0.68	0.68	0.68	0.68	0.67	0.66	0.64	0.63	0.63	0.61	0.62	0.59
<i>Non-metallic mineral products</i>	4.03	4.15	4.36	4.09	4.25	4.09	4.25	4.02	4.12	3.84	3.82	3.77	3.71	3.74	3.63
<i>Other non-classified</i>	4.43	4.74	4.89	4.63	4.68	4.63	4.68	4.54	4.51	4.41	4.17	4.32	4.02	4.22	3.76
<i>Paper and printing</i>	2.47	2.11	1.81	2.02	1.66	2.02	1.66	1.95	1.56	1.80	1.31	1.74	1.22	1.68	1.11

Agriculture/Fishing	2008	Base_noEA		Base_inclEA		Base_WM		AM		LPI		HPI		NE	
		2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030
Total Agriculture/Fishing	4.40	4.17	3.95	4.17	3.95	4.17	3.95	4.17	3.95	4.12	3.74	4.06	3.52	3.95	3.08

non-classified (Other)	2008	Base_noEA		Base_inclEA		Base_WM		AM		LPI		HPI		NE	
		2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030
Total non-classified (Other)	7.84	6.38	6.48	6.10	5.92	6.10	5.92	5.85	5.43	5.88	5.53	5.69	4.77	5.59	4.38

Germany

Target for 2020 [Mtoe]	
primary energy	final energy
276.60	194.30

Germany, Mtoe, Final Energy Demand

Main sectors	2008	Base_noEA		Base_inclEA		Base_WM		AM		LPI		HPI		NE	
		2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030
All sectors (primary energy)	315.11	259.17	223.20	242.76	203.41	242.62	203.03	237.02	194.24	232.35	186.26	225.74	170.19	224.52	166.08
All sectors (final energy)	217.68	206.45	189.52	193.38	172.72	193.27	172.39	188.80	164.93	185.08	158.16	179.82	144.51	178.84	141.02
Residential sector	68.57	61.56	54.94	58.80	50.22	58.69	49.89	57.39	47.47	57.01	47.15	53.43	39.25	53.05	38.19
Tertiary sector	29.27	27.08	25.03	26.56	24.10	26.56	24.10	25.83	22.41	25.13	21.16	24.26	18.75	24.25	18.73
Transport	60.87	61.48	56.97	52.84	47.72	52.84	47.72	51.20	45.76	50.06	43.21	50.04	41.14	50.04	40.56
Industry	58.97	56.32	52.57	55.17	50.68	55.17	50.68	54.38	49.29	52.88	46.65	52.09	45.38	51.50	43.53

Residential Appliances	2008	Base_noEA		Base_inclEA		Base_WM		AM		LPI		HPI		NE	
		2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030
Total Residential Appliances	10.26	12.46	13.22	10.79	10.41	10.68	10.09	10.44	8.94	10.44	8.94	10.01	7.38	9.63	6.33
Electric appliances (excl. IT)	3.04	3.47	3.42	2.59	2.18	2.59	2.18	2.50	1.51	2.50	1.51	2.49	1.49	2.28	0.92
IT-Appliances	1.71	2.42	2.51	2.08	1.96	2.03	1.92	2.01	1.88	2.01	1.88	1.97	1.57	1.97	1.54
Lighting	0.93	0.96	0.98	0.81	0.81	0.81	0.81	0.80	0.79	0.80	0.79	0.74	0.69	0.73	0.66
Cooking, of which	2.42	2.57	2.59	2.30	1.80	2.29	1.75	2.27	1.72	2.27	1.72	2.24	1.53	2.23	1.48
electric	1.86	1.81	1.77	1.68	1.21	1.68	1.21	1.65	1.18	1.65	1.18	1.63	0.99	1.62	0.97
non-electric	0.57	0.76	0.81	0.62	0.59	0.62	0.54	0.62	0.54	0.62	0.54	0.62	0.54	0.61	0.52
Air conditioning	0.04	0.26	0.41	0.23	0.35	0.23	0.35	0.23	0.31	0.23	0.31	0.23	0.32	0.21	0.25
Others	2.11	2.78	3.31	2.78	3.31	2.72	3.08	2.64	2.73	2.64	2.73	2.32	1.79	2.21	1.48

Residential Buildings	2008	Base_noEA		Base_inclEA		Base_WM		AM		LPI		HPI		NE	
		2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030
Total Residential Buildings	58.31	49.10	41.72	48.00	39.80	48.00	39.80	46.95	38.53	46.56	38.21	43.42	31.87	43.42	31.87
New buildings	0.00	1.95	2.96	1.91	2.82	1.91	2.82	1.87	2.74	1.85	2.71	1.71	2.21	1.71	2.21
Existing buildings, of which	48.77	38.83	31.68	37.97	30.24	37.97	30.24	37.20	29.35	36.84	29.04	34.06	23.64	34.06	23.64
envelope										1.03	0.93	4.01	6.79	4.01	6.79
heating systems										0.12	0.35	0.24	0.63	0.24	0.63
Hot Water	9.53	8.36	7.21	8.19	6.89	8.19	6.89	8.01	6.67	7.95	6.62	7.61	5.98	7.61	5.98

Tertiary Appliances	2008	Base_noEA		Base_inclEA		Base_WM		AM		LPI		HPI		NE	
		2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030
Total Tertiary Appliances	9.16	10.19	11.67	9.76	10.94	9.76	10.94	9.41	9.68	8.83	8.53	8.56	7.64	8.56	7.64
Cooking	0.71	0.57	0.59	0.57	0.59	0.57	0.59	0.57	0.59	0.57	0.59	0.46	0.48	0.46	0.48
Elevators	0.18	0.14	0.15	0.14	0.15	0.14	0.15	0.14	0.15	0.14	0.16	0.14	0.15	0.14	0.15
ICT data centers	0.57	0.85	1.12	0.83	1.10	0.83	1.10	0.83	1.10	0.83	1.10	0.83	1.10	0.83	1.10
ICT office	0.34	0.27	0.32	0.26	0.31	0.26	0.31	0.26	0.31	0.19	0.23	0.19	0.23	0.19	0.23
Lighting	3.62	3.87	3.91	3.53	3.31	3.53	3.31	3.53	3.31	3.13	2.47	3.00	1.87	3.00	1.87
Lighting street	0.41	0.40	0.42	0.40	0.42	0.40	0.42	0.40	0.41	0.33	0.28	0.33	0.28	0.33	0.28
Refrigeration	1.40	1.37	1.41	1.31	1.34	1.31	1.34	1.31	1.33	1.28	1.27	1.28	1.27	1.28	1.27
Ventilation and air-conditioning	0.34	0.76	1.27	0.76	1.27	0.76	1.27	0.51	0.61	0.51	0.61	0.51	0.61	0.51	0.61
Others	1.60	1.96	2.48	1.96	2.46	1.96	2.46	1.85	1.86	1.85	1.83	1.83	1.67	1.83	1.67

Tertiary Buildings	2008	Base_noEA		Base_inclEA		Base_WM		AM		LPI		HPI		NE	
		2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030
Total Tertiary Buildings	19.94	16.71	13.17	16.63	12.99	16.63	12.99	16.26	12.58	16.13	12.47	15.53	10.97	15.53	10.97
New buildings	#NV	0.61	0.93	0.61	0.91	0.61	0.91	0.60	0.88	0.59	0.88	0.57	0.77	0.57	0.77
Existing buildings, of which	#NV	14.49	10.80	14.41	10.64	14.41	10.64	14.09	10.31	13.97	10.21	13.43	8.93	13.43	8.93
envelope										0.18	0.15	0.91	1.63	0.91	1.63
heating systems										0.02	0.06	0.09	0.22	0.09	0.22
Hot Water	1.89	1.69	1.48	1.68	1.46	1.68	1.46	1.64	1.41	1.63	1.40	1.64	1.32	1.64	1.32

Transport	2008	Base_noEA		Base_inclEA		Base_WM		AM		LPI		HPI		NE	
		2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030
Total Transport	60.87	61.48	56.97	52.84	47.72	52.84	47.72	51.20	45.76	50.06	43.21	50.04	41.14	50.04	40.56
<i>Technical</i>										16.81	14.38	16.81	13.24	16.80	12.93
<i>Modal shift/Infrastructure</i>										16.81	14.68	16.80	14.20	16.80	14.07
<i>Behaviour</i>										16.44	14.15	16.44	13.70	16.43	13.56
Passenger Transport	46.05	46.89	43.27	38.49	34.32	38.49	34.32	37.23	32.96	36.43	31.21	36.42	29.47	36.42	29.34
<i>Road (cars/motocycles)</i>	37.16	36.17	33.46	29.29	25.23	29.29	25.23	27.86	23.74	27.11	22.10	27.10	20.36	27.10	20.24
<i>Road (buses)</i>	1.66	1.62	1.70	1.52	1.42	1.52	1.42	1.35	1.25	1.31	1.19	1.31	1.19	1.31	1.19
<i>Rail</i>	0.66	0.71	0.73	0.64	0.65	0.64	0.65	0.63	0.67	0.63	0.66	0.63	0.66	0.63	0.66
<i>Air</i>	6.57	8.38	7.38	7.05	7.02	7.05	7.02	7.40	7.30	7.39	7.27	7.39	7.26	7.38	7.26
Goods Transport	14.82	14.60	13.71	14.35	13.40	14.35	13.40	13.96	12.81	13.63	11.99	13.62	11.67	13.62	11.22
<i>Road (Light and Heavy Duty Vehicles)</i>	13.62	13.27	12.38	13.11	12.10	13.11	12.10	12.74	11.56	12.41	10.79	12.40	10.45	12.40	10.02
<i>Rail</i>	0.29	0.30	0.28	0.34	0.37	0.34	0.37	0.34	0.35	0.34	0.31	0.34	0.33	0.34	0.31
<i>Ship (maritime)</i>	0.19	0.48	0.46	0.19	0.22	0.19	0.22	0.19	0.21	0.19	0.21	0.19	0.21	0.19	0.20
<i>Ship (inland navigation)</i>	0.72	0.55	0.58	0.70	0.70	0.70	0.70	0.69	0.68	0.69	0.68	0.69	0.68	0.69	0.68

Industry	2008	Base_noEA		Base_inclEA		Base_WM		AM		LPI		HPI		NE	
		2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030
Total Industry	58.97	56.32	52.57	55.17	50.68	55.17	50.68	54.38	49.29	52.88	46.65	52.09	45.38	51.50	43.53
<i>Energy-intensive processes, of which</i>	45.77	43.73	40.45	43.48	40.02	43.48	40.02	43.19	39.50	42.49	38.31	42.11	37.71	41.99	36.92
<i> electricity</i>	8.77	8.12	7.57	8.06	7.46	8.06	7.46	8.01	7.37	7.87	7.11	7.80	6.99	7.79	6.93
<i> fuels</i>	37.00	35.61	32.88	35.42	32.57	35.42	32.57	35.19	32.13	34.62	31.20	34.31	30.72	34.20	29.99
<i>Non energy-intensive processes, of w</i>	13.21	12.59	12.12	11.69	10.65	11.69	10.65	11.18	9.79	10.39	8.34	9.98	7.66	9.50	6.61
<i> electricity</i>	12.04	11.93	11.81	11.41	10.98	11.41	10.98	11.13	10.53	10.62	9.79	10.40	9.47	10.45	9.49
<i> fuels</i>	1.16	0.66	0.31	0.28	-0.32	0.28	-0.32	0.05	-0.73	-0.23	-1.45	-0.41	-1.81	-0.95	-2.88
Specific end-uses	58.97	56.32	52.57	55.17	50.68	55.17	50.68	54.38	49.29	52.88	46.65	52.09	45.38	51.50	43.53
<i>Space heating (total)</i>	4.65	3.57	2.84	3.37	2.53	3.37	2.53	3.25	2.37	3.26	2.36	3.17	2.23	2.96	1.92
<i>Cross-cutting thermal (excl. space he</i>	11.04	10.62	10.41	10.42	10.06	10.42	10.06	10.28	9.73	9.77	8.67	9.59	8.32	9.36	7.62
<i>Cross-cutting electric (motor systems</i>	15.89	15.34	14.80	14.78	13.89	14.78	13.89	14.46	13.37	13.85	12.45	13.58	12.04	13.64	12.03
<i>Process-specific thermal</i>	22.47	22.08	19.94	21.91	19.65	21.91	19.65	21.72	19.30	21.37	18.72	21.13	18.36	20.93	17.56
<i>Process-specific electric</i>	4.93	4.71	4.58	4.69	4.55	4.69	4.55	4.68	4.52	4.63	4.45	4.62	4.42	4.61	4.39
Sub-Sectors	58.97	56.32	52.57	55.17	50.68	55.17	50.68	54.38	49.29	52.88	46.65	52.09	45.38	51.50	43.53
<i>Chemical industry</i>	10.80	10.61	11.12	10.39	10.75	10.39	10.75	10.26	10.52	9.95	10.03	9.83	9.83	9.79	9.67
<i>Engineering and other metal</i>	6.48	6.74	6.71	6.59	6.49	6.59	6.49	6.49	6.35	6.45	6.26	6.34	6.11	6.26	6.00
<i>Food, drink and tobacco</i>	4.34	4.18	4.04	4.06	3.84	4.06	3.84	3.98	3.68	3.84	3.40	3.79	3.28	3.69	3.04
<i>Iron and steel</i>	14.57	14.28	11.16	14.15	10.93	14.15	10.93	14.04	10.71	13.77	10.23	13.62	9.99	13.48	9.26
<i>Non-ferrous metals</i>	2.33	1.51	1.25	1.48	1.21	1.48	1.21	1.45	1.18	1.39	1.11	1.36	1.09	1.34	1.05
<i>Non-metallic mineral products</i>	5.81	5.76	5.48	5.65	5.31	5.65	5.31	5.54	5.12	5.32	4.77	5.21	4.62	5.18	4.50
<i>Other non-classified</i>	8.57	8.26	8.21	8.05	7.84	8.05	7.84	7.92	7.61	7.69	7.15	7.58	6.95	7.51	6.74
<i>Paper and printing</i>	6.07	4.98	4.60	4.81	4.31	4.81	4.31	4.70	4.11	4.46	3.68	4.35	3.50	4.26	3.27

Agriculture/Fishing*	2008	Base_noEA		Base_inclEA		Base_WM		AM		LPI		HPI		NE	
		2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030
Total Agriculture/Fishing*	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

non-classified (Other)	2008	Base_noEA		Base_inclEA		Base_WM		AM		LPI		HPI		NE	
		2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030
Total non-classified (Other)	0.18	0.18	0.18	0.17	0.17	0.17	0.17	0.17	0.15	0.17	0.16	0.16	0.14	0.16	0.12

*Agriculture/Fishing for Germany is included in Tertiary buildings

Greece

Target for 2020 [Mtoe]	
primary energy	final energy
27.10	20.50

Greece, Mtoe, Final Energy Demand

Main sectors	2008	Base_noEA		Base_inclEA		Base_WM		AM		LPI		HPI		NE	
		2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030
All sectors (primary energy)	30.02	28.51	27.72	25.67	23.50	25.66	23.47	24.51	21.72	24.38	21.25	23.54	19.39	23.38	18.79
All sectors (final energy)	20.77	21.28	22.42	19.16	19.01	19.15	18.99	18.29	17.57	18.19	17.19	17.57	15.69	17.45	15.20
Residential sector	5.56	5.95	6.05	5.54	5.35	5.53	5.32	5.27	4.87	5.35	4.95	4.88	4.05	4.85	3.96
Tertiary sector	3.34	3.44	3.78	3.34	3.63	3.34	3.63	3.06	3.03	3.00	2.87	2.90	2.62	2.87	2.51
Transport	7.66	7.74	8.37	6.20	5.94	6.20	5.94	5.93	5.69	5.93	5.60	5.93	5.34	5.93	5.18
Industry	4.21	4.15	4.22	4.09	4.10	4.09	4.10	4.03	3.98	3.92	3.77	3.85	3.67	3.80	3.55

Residential Appliances	2008	Base_noEA		Base_inclEA		Base_WM		AM		LPI		HPI		NE	
		2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030
Total Residential Appliances	1.31	1.60	1.76	1.32	1.26	1.31	1.23	1.29	1.12	1.29	1.12	1.25	0.99	1.22	0.90
Electric appliances (excl. IT)	0.23	0.33	0.36	0.24	0.21	0.24	0.21	0.23	0.15	0.23	0.15	0.23	0.15	0.21	0.09
IT-Appliances	0.11	0.24	0.28	0.22	0.25	0.22	0.25	0.21	0.24	0.21	0.24	0.21	0.20	0.21	0.20
Lighting	0.27	0.31	0.34	0.23	0.20	0.23	0.20	0.22	0.20	0.22	0.20	0.21	0.17	0.20	0.17
Cooking, of which	0.32	0.40	0.42	0.35	0.30	0.35	0.29	0.35	0.28	0.35	0.28	0.35	0.25	0.34	0.25
electric	0.22	0.26	0.27	0.24	0.19	0.24	0.19	0.24	0.18	0.24	0.18	0.23	0.15	0.23	0.15
non-electric	0.10	0.14	0.15	0.11	0.11	0.11	0.10	0.11	0.10	0.11	0.10	0.11	0.10	0.11	0.09
Air conditioning	0.16	0.19	0.20	0.15	0.14	0.15	0.14	0.15	0.13	0.15	0.13	0.15	0.13	0.15	0.12
Others	0.21	0.12	0.15	0.12	0.15	0.12	0.14	0.12	0.12	0.12	0.12	0.10	0.09	0.10	0.08

Residential Buildings	2008	Base_noEA		Base_inclEA		Base_WM		AM		LPI		HPI		NE	
		2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030
Total Residential Buildings	4.25	4.35	4.30	4.22	4.09	4.22	4.09	3.98	3.75	4.06	3.83	3.63	3.06	3.63	3.06
New buildings	0.00	0.13	0.24	0.13	0.23	0.13	0.23	0.12	0.21	0.13	0.21	0.11	0.17	0.11	0.17
Existing buildings, of which	2.74	2.68	2.57	2.60	2.45	2.60	2.45	2.46	2.25	2.50	2.29	2.25	1.84	2.25	1.84
envelope										0.10	0.16	0.38	0.66	0.38	0.66
heating systems										0.00	0.01	0.00	0.01	0.00	0.01
Hot Water	1.56	1.58	1.52	1.53	1.45	1.53	1.45	1.44	1.33	1.47	1.35	1.32	1.08	1.32	1.08

Tertiary Appliances	2008	Base_noEA		Base_inclEA		Base_WM		AM		LPI		HPI		NE	
		2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030
Total Tertiary Appliances	1.64	1.89	2.13	1.84	2.05	1.84	2.05	1.60	1.50	1.54	1.39	1.52	1.31	1.52	1.31
Cooking	0.09	0.07	0.06	0.07	0.06	0.07	0.06	0.07	0.06	0.07	0.06	0.06	0.05	0.06	0.05
Elevators	0.09	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.07	0.08	0.07	0.08
ICT data centers	0.04	0.09	0.11	0.08	0.10	0.08	0.10	0.08	0.10	0.08	0.10	0.08	0.10	0.08	0.10
ICT office	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.02	0.02	0.02	0.02	0.02	0.02
Lighting	0.44	0.46	0.42	0.43	0.36	0.43	0.36	0.43	0.36	0.38	0.28	0.37	0.23	0.37	0.23
Lighting street	0.04	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.04	0.03	0.04	0.03	0.04	0.03
Refrigeration	0.12	0.12	0.12	0.11	0.10	0.11	0.10	0.11	0.10	0.11	0.10	0.11	0.10	0.11	0.10
Ventilation and air-conditioning	0.60	0.77	0.97	0.77	0.97	0.77	0.97	0.55	0.50	0.55	0.50	0.55	0.50	0.55	0.50
Others	0.19	0.24	0.29	0.24	0.29	0.24	0.29	0.22	0.21	0.22	0.20	0.22	0.18	0.22	0.18

Tertiary Buildings	2008	Base_noEA		Base_inclEA		Base_WM		AM		LPI		HPI		NE	
		2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030
Total Tertiary Buildings	0.60	0.65	0.66	0.60	0.59	0.60	0.59	0.57	0.54	0.58	0.55	0.52	0.43	0.52	0.43
New buildings	#NV	0.02	0.05	0.02	0.04	0.02	0.04	0.02	0.04	0.02	0.04	0.02	0.03	0.02	0.03
Existing buildings, of which	#NV	0.57	0.56	0.53	0.50	0.53	0.50	0.50	0.45	0.51	0.46	0.45	0.36	0.45	0.36
envelope										0.01	0.01	0.08	0.14	0.08	0.14
heating systems										0.00	0.00	0.00	0.00	0.00	0.00
Hot Water	0.05	0.05	0.05	0.05	0.04	0.05	0.04	0.04	0.04	0.04	0.04	0.04	0.03	0.04	0.03

Hungary

Target for 2020 [Mtoe]	
primary energy	final energy
26.60	18.20

Hungary, Mtoe, Final Energy Demand

Main sectors	2008	Base_noEA		Base_inclEA		Base_WM		AM		LPI		HPI		NE	
		2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030
All sectors (primary energy)	25.43	25.08	26.42	23.41	23.88	23.40	23.83	21.82	21.16	22.34	21.76	21.00	19.40	20.86	18.93
All sectors (final energy)	17.58	18.36	18.26	17.14	16.51	17.13	16.47	15.97	14.63	16.35	15.04	15.37	13.41	15.27	13.09
Residential sector	6.46	6.87	6.54	6.42	5.91	6.41	5.87	5.80	4.96	6.19	5.47	5.59	4.65	5.56	4.57
Tertiary sector	3.48	3.54	3.56	3.42	3.40	3.42	3.40	3.05	2.71	3.24	3.01	2.90	2.41	2.89	2.36
Transport	4.32	4.69	4.79	4.10	3.94	4.10	3.94	3.97	3.79	3.87	3.60	3.87	3.46	3.87	3.39
Industry	3.32	3.25	3.37	3.20	3.26	3.20	3.26	3.15	3.16	3.05	2.97	3.01	2.89	2.94	2.77

Residential Appliances	2008	Base_noEA		Base_inclEA		Base_WM		AM		LPI		HPI		NE	
		2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030
Total Residential Appliances	0.98	1.34	1.46	1.09	1.06	1.09	1.02	1.07	0.95	1.07	0.95	1.05	0.88	1.03	0.80
Electric appliances (excl. IT)	0.20	0.29	0.33	0.21	0.20	0.21	0.20	0.20	0.14	0.20	0.14	0.20	0.13	0.18	0.09
IT-Appliances	0.14	0.23	0.24	0.22	0.23	0.21	0.22	0.21	0.22	0.21	0.22	0.21	0.18	0.21	0.18
Lighting	0.24	0.26	0.28	0.20	0.18	0.20	0.18	0.20	0.18	0.20	0.18	0.19	0.15	0.18	0.15
Cooking, of which	0.38	0.51	0.54	0.42	0.39	0.42	0.36	0.42	0.36	0.42	0.36	0.42	0.36	0.41	0.34
electric	0.03	0.04	0.04	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.02	0.03	0.02
non-electric	0.35	0.47	0.51	0.39	0.37	0.38	0.34	0.38	0.34	0.38	0.34	0.38	0.34	0.38	0.32
Air conditioning	0.01	0.03	0.05	0.03	0.04	0.03	0.04	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
Others	0.02	0.01	0.02	0.01	0.02	0.01	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01

Residential Buildings	2008	Base_noEA		Base_inclEA		Base_WM		AM		LPI		HPI		NE	
		2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030
Total Residential Buildings	5.48	5.53	5.08	5.32	4.85	5.32	4.85	4.73	4.02	5.11	4.52	4.54	3.77	4.54	3.77
New buildings	0.00	0.22	0.37	0.22	0.35	0.22	0.35	0.19	0.28	0.21	0.33	0.18	0.27	0.18	0.27
Existing buildings, of which	4.57	4.46	3.95	4.30	3.78	4.30	3.78	3.74	3.04	4.13	3.53	3.60	2.87	3.60	2.87
envelope										0.17	0.26	0.74	1.00	0.74	1.00
heating systems										0.00	0.00	0.01	0.02	0.01	0.02
Hot Water	0.87	0.83	0.75	0.80	0.72	0.80	0.72	0.75	0.64	0.77	0.67	0.72	0.61	0.72	0.61

Tertiary Appliances	2008	Base_noEA		Base_inclEA		Base_WM		AM		LPI		HPI		NE	
		2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030
Total Tertiary Appliances	0.77	0.89	1.02	0.85	0.95	0.85	0.95	0.81	0.81	0.76	0.72	0.74	0.65	0.74	0.65
Cooking	0.07	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.04	0.04	0.04	0.04
Elevators	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
ICT data centers	0.02	0.06	0.08	0.05	0.07	0.05	0.07	0.05	0.07	0.05	0.07	0.05	0.07	0.05	0.07
ICT office	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.01	0.02	0.01	0.02	0.01	0.02
Lighting	0.34	0.36	0.35	0.33	0.30	0.33	0.30	0.33	0.30	0.30	0.23	0.29	0.19	0.29	0.19
Lighting street	0.03	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.03	0.03	0.03	0.03	0.03	0.03
Refrigeration	0.05	0.05	0.06	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.04	0.05	0.04	0.05	0.04
Ventilation and air-conditioning	0.07	0.12	0.18	0.12	0.18	0.12	0.18	0.08	0.09	0.08	0.09	0.08	0.09	0.08	0.09
Others	0.16	0.19	0.23	0.19	0.23	0.19	0.23	0.18	0.17	0.18	0.17	0.18	0.16	0.18	0.16

Tertiary Buildings	2008	Base_noEA		Base_inclEA		Base_WM		AM		LPI		HPI		NE	
		2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030
Total Tertiary Buildings	2.19	2.17	2.06	2.09	1.97	2.09	1.97	1.76	1.43	2.01	1.84	1.69	1.34	1.69	1.34
New buildings	#NV	0.08	0.14	0.08	0.14	0.08	0.14	0.06	0.10	0.07	0.13	0.06	0.09	0.06	0.09
Existing buildings, of which	#NV	1.86	1.68	1.79	1.60	1.79	1.60	1.51	1.15	1.72	1.50	1.44	1.08	1.44	1.08
envelope										0.03	0.05	0.36	0.56	0.36	0.56
heating systems										0.00	0.00	0.00	0.01	0.00	0.01
Hot Water	0.22	0.23	0.24	0.22	0.23	0.22	0.23	0.19	0.17	0.21	0.21	0.18	0.16	0.18	0.16

Ireland

Target for 2020 [Mtoe]	
primary energy	final energy
13.90	11.70

Ireland, Mtoe, Final Energy Demand

Main sectors	2008	Base_noEA		Base_inclEA		Base_WM		AM		LPI		HPI		NE	
		2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030
All sectors (primary energy)	15.05	15.68	15.84	14.57	14.55	14.57	14.53	14.21	13.69	14.02	13.18	13.07	11.80	13.00	11.44
All sectors (final energy)	12.95	13.27	14.31	12.33	13.15	12.33	13.13	12.03	12.36	11.87	11.91	11.07	10.66	11.01	10.33
Residential sector	3.32	3.85	3.94	3.53	3.46	3.53	3.44	3.43	3.11	3.46	3.14	2.89	2.39	2.87	2.35
Tertiary sector	2.07	2.18	2.00	2.03	1.83	2.03	1.83	1.98	1.68	1.94	1.60	1.74	1.35	1.74	1.32
Transport	5.12	4.44	5.03	4.02	4.63	4.02	4.63	3.92	4.44	3.82	4.18	3.83	4.00	3.82	3.85
Industry	2.44	2.80	3.34	2.75	3.23	2.75	3.23	2.70	3.14	2.64	2.99	2.61	2.93	2.57	2.82

Residential Appliances	2008	Base_noEA		Base_inclEA		Base_WM		AM		LPI		HPI		NE	
		2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030
Total Residential Appliances	0.51	0.66	0.78	0.56	0.58	0.55	0.56	0.54	0.50	0.54	0.50	0.52	0.43	0.51	0.39
Electric appliances (excl. IT)	0.10	0.16	0.18	0.11	0.11	0.11	0.11	0.11	0.07	0.11	0.07	0.11	0.07	0.10	0.05
IT-Appliances	0.06	0.11	0.13	0.11	0.12	0.11	0.12	0.10	0.12	0.10	0.12	0.10	0.10	0.10	0.10
Lighting	0.14	0.17	0.20	0.13	0.12	0.13	0.12	0.13	0.12	0.13	0.12	0.12	0.11	0.12	0.10
Cooking, of which	0.12	0.14	0.16	0.13	0.11	0.13	0.11	0.12	0.11	0.12	0.11	0.12	0.09	0.12	0.09
electric	0.09	0.10	0.11	0.09	0.08	0.09	0.08	0.09	0.08	0.09	0.08	0.09	0.07	0.09	0.06
non-electric	0.03	0.04	0.04	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
Air conditioning	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Others	0.08	0.08	0.11	0.08	0.11	0.07	0.10	0.07	0.08	0.07	0.08	0.07	0.06	0.06	0.05

Residential Buildings	2008	Base_noEA		Base_inclEA		Base_WM		AM		LPI		HPI		NE	
		2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030
Total Residential Buildings	2.81	3.19	3.16	2.98	2.88	2.98	2.88	2.89	2.61	2.92	2.63	2.37	1.96	2.37	1.96
New buildings	0.00	0.14	0.24	0.13	0.22	0.13	0.22	0.13	0.20	0.13	0.20	0.10	0.15	0.10	0.15
Existing buildings, of which	2.58	2.78	2.61	2.59	2.38	2.59	2.38	2.52	2.16	2.54	2.18	2.07	1.63	2.07	1.63
envelope										0.05	0.21	0.56	0.83	0.56	0.83
heating systems										0.00	0.00	0.00	0.01	0.00	0.01
Hot Water	0.27	0.31	0.34	0.29	0.31	0.29	0.31	0.28	0.28	0.29	0.28	0.23	0.21	0.23	0.21

Tertiary Appliances	2008	Base_noEA		Base_inclEA		Base_WM		AM		LPI		HPI		NE	
		2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030
Total Tertiary Appliances	0.72	0.82	0.77	0.79	0.72	0.79	0.72	0.76	0.64	0.72	0.57	0.71	0.53	0.71	0.53
Cooking	0.06	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.03	0.04	0.03
Elevators	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ICT data centers	0.04	0.06	0.06	0.05	0.06	0.05	0.06	0.05	0.06	0.05	0.06	0.05	0.06	0.05	0.06
ICT office	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.01
Lighting	0.30	0.31	0.25	0.29	0.21	0.29	0.21	0.29	0.21	0.26	0.17	0.25	0.14	0.25	0.14
Lighting street	0.02	0.03	0.04	0.03	0.04	0.03	0.04	0.03	0.04	0.02	0.03	0.02	0.03	0.02	0.03
Refrigeration	0.10	0.13	0.12	0.12	0.11	0.12	0.11	0.12	0.11	0.11	0.10	0.11	0.10	0.11	0.10
Ventilation and air-conditioning	0.03	0.05	0.07	0.05	0.07	0.05	0.07	0.04	0.03	0.04	0.03	0.04	0.03	0.04	0.03
Others	0.15	0.18	0.18	0.18	0.18	0.18	0.18	0.17	0.14	0.17	0.14	0.17	0.13	0.17	0.13

Tertiary Buildings	2008	Base_noEA		Base_inclEA		Base_WM		AM		LPI		HPI		NE	
		2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030
Total Tertiary Buildings	1.04	1.08	0.96	0.97	0.84	0.97	0.84	0.94	0.76	0.95	0.77	0.77	0.57	0.77	0.57
New buildings	#NV	0.04	0.07	0.04	0.06	0.04	0.06	0.03	0.05	0.03	0.05	0.03	0.04	0.03	0.04
Existing buildings, of which	#NV	0.94	0.79	0.84	0.69	0.84	0.69	0.81	0.62	0.82	0.63	0.66	0.47	0.66	0.47
envelope										0.01	0.03	0.18	0.24	0.18	0.24
heating systems										0.00	0.00	0.00	0.00	0.00	0.00
Hot Water	0.08	0.09	0.10	0.09	0.08	0.09	0.08	0.08	0.08	0.08	0.08	0.07	0.06	0.07	0.06

Italy

Target for 2020 [Mtoe]	
primary energy	final energy
158.00	126.00

Italy, Mtoe, Final Energy Demand

Main sectors	2008	Base_noEA		Base_inclEA		Base_WM		AM		LPI		HPI		NE	
		2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030
All sectors (primary energy)	171.54	171.41	174.09	152.67	148.72	152.53	148.21	146.98	138.54	145.25	133.65	139.64	120.88	137.64	117.14
All sectors (final energy)	127.91	134.08	137.77	119.41	117.70	119.31	117.29	114.96	109.64	113.61	105.77	109.23	95.66	107.66	92.71
Residential sector	26.38	29.59	30.55	27.74	27.47	27.64	27.07	26.31	24.55	26.70	24.91	24.48	20.35	24.22	19.56
Tertiary sector	23.30	25.65	26.91	24.28	24.78	24.28	24.78	22.77	21.81	22.71	21.35	21.05	18.22	20.98	17.90
Transport	42.26	46.75	47.37	35.89	33.60	35.89	33.60	34.91	32.42	34.05	30.31	34.03	28.69	34.03	28.34
Industry	35.96	32.09	32.94	31.50	31.84	31.50	31.84	30.97	30.85	30.16	29.21	29.66	28.40	28.43	26.90

Residential Appliances	2008	Base_noEA		Base_inclEA		Base_WM		AM		LPI		HPI		NE	
		2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030
Total Residential Appliances	6.33	8.71	10.15	7.57	8.21	7.47	7.80	7.29	6.89	7.29	6.89	7.11	5.92	6.86	5.14
Electric appliances (excl. IT)	1.51	2.05	2.19	1.55	1.39	1.55	1.39	1.51	0.98	1.51	0.98	1.51	0.98	1.37	0.57
IT-Appliances	0.70	1.47	1.63	1.36	1.46	1.33	1.43	1.31	1.39	1.31	1.39	1.29	1.17	1.29	1.14
Lighting	0.71	0.81	0.88	0.62	0.58	0.62	0.58	0.62	0.56	0.62	0.56	0.57	0.49	0.56	0.47
Cooking, of which	1.53	1.97	2.12	1.66	1.54	1.65	1.43	1.65	1.43	1.65	1.43	1.64	1.39	1.62	1.33
electric	0.27	0.30	0.31	0.28	0.23	0.28	0.23	0.28	0.23	0.28	0.23	0.27	0.19	0.27	0.19
non-electric	1.25	1.68	1.81	1.38	1.31	1.37	1.20	1.37	1.20	1.37	1.20	1.37	1.20	1.35	1.14
Air conditioning	0.24	0.59	0.67	0.55	0.58	0.55	0.58	0.54	0.52	0.54	0.52	0.54	0.52	0.53	0.48
Others	1.64	1.83	2.66	1.83	2.66	1.76	2.40	1.67	2.00	1.67	2.00	1.56	1.38	1.49	1.15

Residential Buildings	2008	Base_noEA		Base_inclEA		Base_WM		AM		LPI		HPI		NE	
		2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030
Total Residential Buildings	20.05	20.88	20.40	20.17	19.26	20.17	19.26	19.02	17.66	19.40	18.02	17.37	14.43	17.37	14.43
New buildings	0.00	0.65	1.13	0.62	1.07	0.62	1.07	0.59	0.99	0.60	1.00	0.54	0.81	0.54	0.81
Existing buildings, of which	12.88	12.84	12.16	12.41	11.50	12.41	11.50	11.72	10.57	11.94	10.76	10.73	8.67	10.73	8.67
envelope										0.45	0.71	1.72	2.85	1.72	2.85
heating systems										0.02	0.08	0.10	0.32	0.10	0.32
Hot Water	7.40	7.59	7.28	7.33	6.87	7.33	6.87	6.92	6.29	7.06	6.42	6.31	5.14	6.31	5.14

Tertiary Appliances	2008	Base_noEA		Base_inclEA		Base_WM		AM		LPI		HPI		NE	
		2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030
Total Tertiary Appliances	6.52	7.60	8.85	7.42	8.51	7.42	8.51	6.70	6.66	6.41	6.10	6.32	5.80	6.32	5.80
Cooking	0.38	0.27	0.24	0.27	0.24	0.27	0.24	0.27	0.24	0.27	0.24	0.23	0.21	0.23	0.21
Elevators	0.19	0.15	0.16	0.15	0.16	0.15	0.16	0.15	0.16	0.15	0.16	0.15	0.16	0.15	0.16
ICT data centers	0.29	0.39	0.46	0.39	0.45	0.39	0.45	0.38	0.45	0.38	0.45	0.38	0.45	0.38	0.45
ICT office	0.16	0.12	0.13	0.12	0.12	0.12	0.12	0.11	0.12	0.08	0.09	0.08	0.09	0.08	0.09
Lighting	1.71	1.76	1.72	1.64	1.50	1.64	1.50	1.64	1.50	1.48	1.18	1.43	0.97	1.43	0.97
Lighting street	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.28	0.22	0.28	0.22	0.28	0.22
Refrigeration	0.87	0.94	0.96	0.90	0.90	0.90	0.90	0.90	0.89	0.88	0.85	0.88	0.85	0.88	0.85
Ventilation and air-conditioning	1.69	2.56	3.55	2.56	3.54	2.56	3.54	1.89	1.96	1.89	1.96	1.89	1.96	1.89	1.96
Others	0.88	1.06	1.28	1.05	1.24	1.05	1.24	1.00	0.99	1.00	0.95	0.99	0.90	0.99	0.90

Tertiary Buildings	2008	Base_noEA		Base_inclEA		Base_WM		AM		LPI		HPI		NE	
		2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030
Total Tertiary Buildings	13.58	15.03	15.13	13.86	13.35	13.86	13.35	13.07	12.25	13.33	12.49	11.81	9.83	11.81	9.83
New buildings	#NV	0.56	1.10	0.52	0.97	0.52	0.97	0.49	0.89	0.50	0.91	0.44	0.72	0.44	0.72
Existing buildings, of which	#NV	13.26	12.83	12.24	11.34	12.24	11.34	11.55	10.40	11.78	10.61	10.43	8.35	10.43	8.35
envelope										0.20	0.31	1.79	2.93	1.79	2.93
heating systems										0.01	0.03	0.09	0.31	0.09	0.31
Hot Water	1.08	1.12	1.11	1.03	0.98	1.03	0.98	0.97	0.90	0.99	0.91	0.88	0.72	0.88	0.72

Transport	2008	Base_noEA		Base_inclEA		Base_WM		AM		LPI		HPI		NE	
		2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030
Total Transport	42.26	46.75	47.37	35.89	33.60	35.89	33.60	34.91	32.42	34.05	30.31	34.03	28.69	34.03	28.34
<i>Technical</i>										11.44	10.08	11.44	9.18	11.44	8.99
<i>Modal shift/Infrastructure</i>										11.44	10.33	11.43	9.96	11.44	9.88
<i>Behaviour</i>										11.16	9.89	11.16	9.55	11.16	9.46
Passenger Transport	33.41	37.93	38.56	28.76	26.48	28.76	26.48	27.96	25.55	27.27	23.94	27.26	22.49	27.25	22.52
<i>Road (cars/motocycles)</i>	28.28	32.16	32.60	23.98	21.65	23.98	21.65	23.20	20.95	22.59	19.53	22.58	18.09	22.58	18.12
<i>Road (buses)</i>	1.75	1.75	1.78	1.60	1.49	1.60	1.49	1.47	1.36	1.42	1.29	1.42	1.29	1.42	1.29
<i>Rail</i>	0.35	0.42	0.44	0.34	0.33	0.34	0.33	0.33	0.32	0.33	0.32	0.33	0.32	0.33	0.32
<i>Air</i>	3.03	3.60	3.73	2.84	3.01	2.84	3.01	2.96	2.92	2.92	2.80	2.92	2.80	2.92	2.80
Goods Transport	8.85	8.82	8.82	7.13	7.12	7.13	7.12	6.95	6.87	6.78	6.37	6.78	6.20	6.78	5.82
<i>Road (Light and Heavy Duty Vehicles)</i>	8.39	8.35	8.37	6.67	6.68	6.67	6.68	6.51	6.44	6.33	5.94	6.33	5.77	6.33	5.39
<i>Rail</i>	0.09	0.10	0.10	0.09	0.08	0.09	0.08	0.09	0.08	0.09	0.08	0.09	0.08	0.09	0.08
<i>Ship (maritime)</i>	0.37	0.00	0.00	0.36	0.35	0.36	0.35	0.36	0.34	0.36	0.34	0.36	0.34	0.36	0.34
<i>Ship (inland navigation)</i>	0.00	0.36	0.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Industry	2008	Base_noEA		Base_inclEA		Base_WM		AM		LPI		HPI		NE	
		2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030
Total Industry	35.96	32.09	32.94	31.50	31.84	31.50	31.84	30.97	30.85	30.16	29.21	29.66	28.40	28.43	26.90
<i>Energy-intensive processes, of which</i>	19.51	16.32	16.03	16.23	15.85	16.23	15.85	16.07	15.53	15.70	14.84	15.54	14.57	14.57	13.71
<i> electricity</i>	4.32	3.77	3.79	3.75	3.74	3.75	3.74	3.71	3.66	3.63	3.49	3.59	3.42	3.53	3.34
<i> fuels</i>	15.19	12.55	12.24	12.49	12.11	12.49	12.11	12.36	11.86	12.07	11.35	11.95	11.15	11.04	10.37
<i>Non energy-intensive processes, of w</i>	16.46	15.76	16.91	15.26	15.99	15.26	15.99	14.90	15.33	14.46	14.37	14.11	13.83	13.86	13.19
<i> electricity</i>	7.86	7.93	8.47	7.63	7.94	7.63	7.94	7.40	7.55	7.02	6.97	6.89	6.77	6.93	6.78
<i> fuels</i>	8.59	7.83	8.44	7.63	8.05	7.63	8.05	7.50	7.78	7.44	7.39	7.22	7.07	6.94	6.41
Specific end-uses	35.96	32.09	32.94	31.50	31.84	31.50	31.84	30.97	30.85	30.16	29.21	29.66	28.40	28.43	26.90
<i>Space heating (total)</i>	3.90	2.56	1.89	2.45	1.70	2.45	1.70	2.37	1.58	2.45	1.64	2.29	1.46	2.17	1.28
<i>Cross-cutting thermal (excl. space he</i>	5.43	5.65	6.31	5.60	6.20	5.60	6.20	5.54	6.03	5.28	5.42	5.21	5.22	5.07	4.81
<i>Cross-cutting electric (motor systems</i>	9.53	9.15	9.60	8.84	9.04	8.84	9.04	8.59	8.61	8.17	7.91	8.01	7.66	8.02	7.64
<i>Process-specific thermal</i>	14.46	12.17	12.48	12.06	12.26	12.06	12.26	11.95	12.03	11.77	11.70	11.67	11.54	10.73	10.68
<i>Process-specific electric</i>	2.65	2.56	2.66	2.55	2.64	2.55	2.64	2.52	2.61	2.48	2.55	2.47	2.53	2.44	2.49
Sub-Sectors	35.96	32.09	32.94	31.50	31.84	31.50	31.84	30.97	30.85	30.16	29.21	29.66	28.40	28.43	26.90
<i>Chemical industry</i>	4.71	4.63	4.80	4.56	4.67	4.56	4.67	4.51	4.57	4.42	4.41	4.38	4.34	4.35	4.26
<i>Engineering and other metal</i>	5.12	5.00	5.37	4.91	5.21	4.91	5.21	4.83	5.08	4.79	4.98	4.70	4.86	4.66	4.81
<i>Food, drink and tobacco</i>	3.25	3.24	3.48	3.16	3.32	3.16	3.32	3.10	3.18	3.01	2.96	2.95	2.84	2.88	2.65
<i>Iron and steel</i>	6.46	4.21	3.26	4.15	3.16	4.15	3.16	4.09	3.04	3.96	2.79	3.90	2.69	2.93	1.88
<i>Non-ferrous metals</i>	0.93	0.54	0.52	0.53	0.51	0.53	0.51	0.52	0.49	0.49	0.45	0.47	0.44	0.46	0.42
<i>Non-metallic mineral products</i>	7.98	7.47	8.40	7.39	8.25	7.39	8.25	7.29	8.05	7.10	7.71	7.01	7.57	6.98	7.47
<i>Other non-classified</i>	4.95	4.61	4.62	4.49	4.41	4.49	4.41	4.39	4.23	4.27	3.95	4.17	3.79	4.13	3.66
<i>Paper and printing</i>	2.57	2.39	2.48	2.30	2.33	2.30	2.33	2.25	2.21	2.13	1.96	2.07	1.86	2.03	1.75

Agriculture/Fishing	2008	Base_noEA		Base_inclEA		Base_WM		AM		LPI		HPI		NE	
		2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030
Total Agriculture/Fishing	3.08	2.85	2.77	2.85	2.77	2.85	2.77	2.85	2.77	2.82	2.62	2.78	2.47	2.70	2.16

non-classified (Other)	2008	Base_noEA		Base_inclEA		Base_WM		AM		LPI		HPI		NE	
		2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030
Total non-classified (Other)	0.13	0.16	0.17	0.16	0.15	0.16	0.15	0.15	0.14	0.15	0.14	0.14	0.12	0.14	0.11

Latvia

Target for 2020 [Mtoe]	
primary energy	final energy
5.37	4.47

Latvia, Mtoe, Final Energy Demand

Main sectors	2008	Base_noEA		Base_inclEA		Base_WM		AM		LPI		HPI		NE	
		2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030
All sectors (primary energy)	4.89	5.21	5.18	4.52	4.47	4.52	4.46	4.37	4.18	4.32	4.08	4.22	3.85	4.20	3.77
All sectors (final energy)	4.44	4.68	4.63	4.06	4.00	4.06	3.99	3.93	3.74	3.88	3.64	3.79	3.44	3.77	3.38
Residential sector	1.77	1.57	1.36	1.47	1.23	1.47	1.22	1.46	1.21	1.42	1.14	1.41	1.13	1.40	1.12
Tertiary sector	0.86	0.88	0.88	0.85	0.84	0.85	0.84	0.78	0.68	0.81	0.73	0.74	0.59	0.73	0.58
Transport	1.15	1.53	1.66	1.05	1.22	1.05	1.22	1.02	1.17	0.99	1.12	0.99	1.08	0.99	1.06
Industry	0.65	0.70	0.73	0.68	0.70	0.68	0.70	0.67	0.68	0.66	0.66	0.65	0.64	0.64	0.62

Residential Appliances	2008	Base_noEA		Base_inclEA		Base_WM		AM		LPI		HPI		NE	
		2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030
Total Residential Appliances	0.21	0.26	0.28	0.21	0.20	0.21	0.19	0.21	0.18	0.21	0.18	0.20	0.17	0.20	0.15
Electric appliances (excl. IT)	0.03	0.05	0.06	0.04	0.03	0.04	0.03	0.03	0.02	0.03	0.02	0.03	0.02	0.03	0.02
IT-Appliances	0.02	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.03	0.03	0.03	0.03
Lighting	0.04	0.05	0.05	0.04	0.03	0.04	0.03	0.04	0.03	0.04	0.03	0.03	0.03	0.03	0.03
Cooking, of which	0.09	0.12	0.12	0.10	0.09	0.10	0.08	0.10	0.08	0.10	0.08	0.10	0.08	0.09	0.08
electric	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
non-electric	0.08	0.10	0.11	0.08	0.08	0.08	0.07	0.08	0.07	0.08	0.07	0.08	0.07	0.08	0.07
Air conditioning	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Others	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Residential Buildings	2008	Base_noEA		Base_inclEA		Base_WM		AM		LPI		HPI		NE	
		2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030
Total Residential Buildings	1.56	1.31	1.08	1.26	1.03	1.26	1.03	1.26	1.03	1.21	0.96	1.21	0.97	1.21	0.97
New buildings	0.00	0.05	0.08	0.05	0.07	0.05	0.07	0.05	0.07	0.05	0.07	0.04	0.06	0.04	0.06
Existing buildings, of which	1.22	1.01	0.80	0.97	0.77	0.97	0.77	0.92	0.71	0.93	0.72	0.89	0.67	0.89	0.67
envelope										0.04	0.05	0.09	0.11	0.09	0.11
heating systems										0.00	0.00	0.00	0.00	0.00	0.00
Hot Water	0.27	0.21	0.18	0.21	0.17	0.21	0.17	0.23	0.20	0.20	0.16	0.22	0.19	0.22	0.19

Tertiary Appliances	2008	Base_noEA		Base_inclEA		Base_WM		AM		LPI		HPI		NE	
		2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030
Total Tertiary Appliances	0.21	0.28	0.34	0.27	0.32	0.27	0.32	0.26	0.27	0.24	0.24	0.24	0.22	0.24	0.22
Cooking	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Elevators	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ICT data centers	0.01	0.02	0.03	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
ICT office	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.01	0.00	0.01	0.00	0.01
Lighting	0.10	0.12	0.13	0.11	0.11	0.11	0.11	0.11	0.11	0.10	0.09	0.10	0.07	0.10	0.07
Lighting street	0.00	0.00	0.01	0.00	0.01	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00
Refrigeration	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Ventilation and air-conditioning	0.01	0.03	0.05	0.03	0.05	0.03	0.05	0.02	0.03	0.02	0.03	0.02	0.03	0.02	0.03
Others	0.05	0.07	0.09	0.07	0.09	0.07	0.09	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07

Tertiary Buildings	2008	Base_noEA		Base_inclEA		Base_WM		AM		LPI		HPI		NE	
		2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030
Total Tertiary Buildings	0.52	0.46	0.42	0.44	0.41	0.44	0.41	0.38	0.28	0.43	0.38	0.36	0.27	0.36	0.27
New buildings	#NV	0.02	0.03	0.02	0.03	0.02	0.03	0.01	0.02	0.02	0.03	0.01	0.02	0.01	0.02
Existing buildings, of which	#NV	0.40	0.35	0.39	0.33	0.39	0.33	0.33	0.23	0.37	0.31	0.32	0.22	0.32	0.22
envelope										0.01	0.01	0.07	0.12	0.07	0.12
heating systems										0.00	0.00	0.00	0.00	0.00	0.00
Hot Water	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.04	0.04	0.05	0.05	0.04	0.03	0.04	0.03

Lithuania

Target for 2020 [Mtoe]	
primary energy	final energy
6.49	4.28

Lithuania, Mtoe, Final Energy Demand

Main sectors	2008	Base_noEA		Base_inclEA		Base_WM		AM		LPI		HPI		NE	
		2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030
All sectors (primary energy)	7.62	6.55	8.03	5.87	7.04	5.87	7.01	5.80	6.75	5.57	6.28	5.57	6.08	5.54	5.96
All sectors (final energy)	4.78	5.00	4.96	4.48	4.35	4.48	4.33	4.43	4.17	4.25	3.88	4.26	3.76	4.23	3.68
Residential sector	1.84	1.69	1.50	1.56	1.32	1.56	1.30	1.64	1.39	1.51	1.21	1.58	1.30	1.57	1.27
Tertiary sector	0.74	0.84	0.92	0.82	0.88	0.82	0.88	0.75	0.72	0.77	0.74	0.71	0.62	0.71	0.61
Transport	1.24	1.50	1.51	1.17	1.16	1.17	1.16	1.13	1.11	1.10	1.03	1.10	0.97	1.10	0.97
Industry	0.96	0.96	1.03	0.93	0.98	0.93	0.98	0.91	0.95	0.88	0.89	0.87	0.87	0.85	0.84

Residential Appliances	2008	Base_noEA		Base_inclEA		Base_WM		AM		LPI		HPI		NE	
		2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030
Total Residential Appliances	0.36	0.46	0.50	0.37	0.36	0.37	0.35	0.36	0.32	0.36	0.32	0.36	0.29	0.35	0.27
Electric appliances (excl. IT)	0.06	0.08	0.09	0.06	0.05	0.06	0.05	0.06	0.04	0.06	0.04	0.06	0.04	0.05	0.02
IT-Appliances	0.03	0.06	0.07	0.06	0.06	0.05	0.06	0.05	0.06	0.05	0.06	0.05	0.05	0.05	0.05
Lighting	0.07	0.07	0.07	0.05	0.04	0.05	0.04	0.05	0.04	0.05	0.04	0.05	0.04	0.05	0.04
Cooking, of which	0.16	0.21	0.22	0.17	0.16	0.17	0.15	0.17	0.15	0.17	0.15	0.17	0.15	0.17	0.14
electric	0.02	0.02	0.02	0.02	0.01	0.02	0.01	0.02	0.01	0.02	0.01	0.02	0.01	0.02	0.01
non-electric	0.14	0.19	0.20	0.15	0.15	0.15	0.13	0.15	0.13	0.15	0.13	0.15	0.13	0.15	0.13
Air conditioning	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Others	0.04	0.03	0.04	0.03	0.04	0.03	0.04	0.03	0.03	0.03	0.03	0.03	0.02	0.03	0.02

Residential Buildings	2008	Base_noEA		Base_inclEA		Base_WM		AM		LPI		HPI		NE	
		2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030
Total Residential Buildings	1.48	1.24	1.00	1.19	0.96	1.19	0.96	1.27	1.07	1.14	0.89	1.22	1.01	1.22	1.01
New buildings	0.00	0.05	0.07	0.04	0.06	0.04	0.06	0.05	0.07	0.04	0.06	0.04	0.06	0.04	0.06
Existing buildings, of which	1.11	0.92	0.72	0.88	0.69	0.88	0.69	0.89	0.71	0.85	0.64	0.86	0.67	0.86	0.67
envelope										0.03	0.05	0.03	0.03	0.03	0.03
heating systems										0.00	0.00	0.00	0.00	0.00	0.00
Hot Water	0.27	0.22	0.18	0.21	0.17	0.21	0.17	0.25	0.23	0.20	0.16	0.24	0.21	0.24	0.21

Tertiary Appliances	2008	Base_noEA		Base_inclEA		Base_WM		AM		LPI		HPI		NE	
		2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030
Total Tertiary Appliances	0.28	0.41	0.51	0.39	0.48	0.39	0.48	0.38	0.41	0.36	0.36	0.35	0.33	0.35	0.33
Cooking	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.02	0.02	0.02	0.02
Elevators	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ICT data centers	0.01	0.03	0.05	0.03	0.04	0.03	0.04	0.03	0.04	0.03	0.04	0.03	0.04	0.03	0.04
ICT office	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Lighting	0.12	0.17	0.18	0.15	0.15	0.15	0.15	0.15	0.15	0.14	0.12	0.13	0.10	0.13	0.10
Lighting street	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Refrigeration	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
Ventilation and air-conditioning	0.02	0.05	0.08	0.05	0.08	0.05	0.08	0.03	0.04	0.03	0.04	0.03	0.04	0.03	0.04
Others	0.07	0.10	0.14	0.10	0.14	0.10	0.14	0.10	0.10	0.10	0.10	0.10	0.09	0.10	0.09

Tertiary Buildings	2008	Base_noEA		Base_inclEA		Base_WM		AM		LPI		HPI		NE	
		2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030
Total Tertiary Buildings	0.34	0.32	0.30	0.31	0.29	0.31	0.29	0.27	0.20	0.30	0.27	0.25	0.19	0.25	0.19
New buildings	#NV	0.01	0.02	0.01	0.02	0.01	0.02	0.01	0.01	0.01	0.02	0.01	0.01	0.01	0.01
Existing buildings, of which	#NV	0.28	0.25	0.27	0.24	0.27	0.24	0.23	0.17	0.26	0.22	0.22	0.16	0.22	0.16
envelope										0.00	0.01	0.05	0.09	0.05	0.09
heating systems										0.00	0.00	0.00	0.00	0.00	0.00
Hot Water	0.03	0.04	0.04	0.04	0.04	0.04	0.04	0.03	0.03	0.03	0.04	0.03	0.02	0.03	0.02

Luxembourg

Target for 2020 [Mtoe]	
primary energy	final energy
4.48	4.24

Luxembourg, Mtoe, Final Energy Demand

Main sectors	2008	Base_noEA		Base_inclEA		Base_WM		AM		LPI		HPI		NE	
		2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030
All sectors (primary energy)	4.20	4.36	4.49	3.61	3.61	3.61	3.60	3.47	3.35	3.40	3.17	3.24	2.86	3.23	2.81
All sectors (final energy)	4.00	4.15	4.26	3.43	3.43	3.43	3.42	3.30	3.18	3.23	3.01	3.08	2.71	3.07	2.67
Residential sector	0.52	0.62	0.65	0.57	0.59	0.57	0.58	0.55	0.52	0.56	0.52	0.47	0.39	0.46	0.38
Tertiary sector	0.45	0.46	0.43	0.43	0.40	0.43	0.40	0.42	0.36	0.41	0.35	0.36	0.28	0.36	0.28
Transport	2.28	2.51	2.64	1.89	1.92	1.89	1.92	1.79	1.79	1.74	1.67	1.74	1.58	1.74	1.56
Industry	0.74	0.55	0.54	0.54	0.52	0.54	0.52	0.54	0.51	0.52	0.47	0.51	0.46	0.51	0.45

Residential Appliances	2008	Base_noEA		Base_inclEA		Base_WM		AM		LPI		HPI		NE	
		2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030
Total Residential Appliances	0.07	0.10	0.13	0.09	0.12	0.09	0.11	0.09	0.09	0.09	0.09	0.08	0.07	0.08	0.06
Electric appliances (excl. IT)	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.01	0.02	0.01	0.02	0.01	0.01	0.01
IT-Appliances	0.01	0.01	0.02	0.01	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Lighting	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.00
Cooking, of which	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
electric	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
non-electric	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Air conditioning	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Others	0.04	0.05	0.08	0.05	0.08	0.05	0.07	0.05	0.06	0.05	0.06	0.05	0.04	0.04	0.03

Residential Buildings	2008	Base_noEA		Base_inclEA		Base_WM		AM		LPI		HPI		NE	
		2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030
Total Residential Buildings	0.45	0.52	0.51	0.48	0.47	0.48	0.47	0.47	0.42	0.47	0.43	0.38	0.32	0.38	0.32
New buildings	0.00	0.02	0.04	0.02	0.04	0.02	0.04	0.02	0.03	0.02	0.03	0.02	0.02	0.02	0.02
Existing buildings, of which	0.42	0.45	0.43	0.42	0.39	0.42	0.39	0.41	0.35	0.41	0.36	0.34	0.27	0.34	0.27
envelope										0.01	0.04	0.09	0.14	0.09	0.14
heating systems										0.00	0.00	0.00	0.00	0.00	0.00
Hot Water	0.04	0.05	0.05	0.05	0.05	0.05	0.05	0.04	0.04	0.04	0.04	0.04	0.03	0.04	0.03

Tertiary Appliances	2008	Base_noEA		Base_inclEA		Base_WM		AM		LPI		HPI		NE	
		2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030
Total Tertiary Appliances	0.18	0.18	0.18	0.17	0.17	0.17	0.17	0.17	0.15	0.16	0.14	0.16	0.13	0.16	0.13
Cooking	0.01	0.01	0.00	0.01	0.00	0.01	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00
Elevators	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ICT data centers	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
ICT office	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Lighting	0.07	0.06	0.05	0.06	0.05	0.06	0.05	0.06	0.05	0.05	0.04	0.05	0.03	0.05	0.03
Lighting street	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00
Refrigeration	0.05	0.05	0.06	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
Ventilation and air-conditioning	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Others	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.02	0.03	0.02	0.03	0.02	0.03	0.02

Tertiary Buildings	2008	Base_noEA		Base_inclEA		Base_WM		AM		LPI		HPI		NE	
		2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030
Total Tertiary Buildings	0.24	0.26	0.23	0.23	0.21	0.23	0.21	0.22	0.19	0.23	0.19	0.18	0.14	0.18	0.14
New buildings	#NV	0.01	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Existing buildings, of which	#NV	0.22	0.19	0.20	0.17	0.20	0.17	0.20	0.15	0.20	0.16	0.16	0.11	0.16	0.11
envelope										0.00	0.01	0.05	0.06	0.05	0.06
heating systems										0.00	0.00	0.00	0.00	0.00	0.00
Hot Water	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.01	0.02	0.01

Netherlands

Target for 2020 [Mtoe]	
primary energy	final energy
60.70	52.20

Netherlands, Mtoe, Final Energy Demand

Main sectors	2008	Base_noEA		Base_inclEA		Base_WM		AM		LPI		HPI		NE	
		2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030
All sectors (primary energy)	63.47	67.18	64.91	62.80	59.83	62.77	59.69	61.27	57.05	60.13	54.74	57.82	48.99	57.26	47.10
All sectors (final energy)	49.21	50.95	49.58	47.63	45.71	47.60	45.60	46.47	43.58	45.60	41.82	43.85	37.42	43.43	35.98
Residential sector	10.65	11.10	11.10	10.59	10.21	10.56	10.10	10.33	9.54	10.26	9.48	9.31	7.28	9.23	7.04
Tertiary sector	11.69	11.84	11.22	11.69	10.95	11.69	10.95	11.46	10.48	11.24	10.02	10.61	8.54	10.53	8.22
Transport	14.27	14.88	14.41	12.48	12.16	12.48	12.16	12.00	11.56	11.78	11.04	11.77	10.63	11.77	10.41
Industry	12.60	13.13	12.85	12.88	12.39	12.88	12.39	12.68	12.01	12.33	11.28	12.15	10.98	11.88	10.32

Residential Appliances	2008	Base_noEA		Base_inclEA		Base_WM		AM		LPI		HPI		NE	
		2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030
Total Residential Appliances	1.97	2.58	3.03	2.27	2.52	2.25	2.41	2.19	2.10	2.19	2.10	2.10	1.71	2.02	1.47
Electric appliances (excl. IT)	0.55	0.72	0.75	0.56	0.50	0.56	0.50	0.54	0.34	0.54	0.34	0.54	0.34	0.50	0.22
IT-Appliances	0.26	0.49	0.54	0.45	0.48	0.44	0.47	0.43	0.46	0.43	0.46	0.42	0.38	0.42	0.37
Lighting	0.28	0.32	0.34	0.26	0.25	0.26	0.25	0.26	0.24	0.26	0.24	0.23	0.21	0.23	0.20
Cooking, of which	0.24	0.30	0.33	0.26	0.24	0.26	0.22	0.26	0.22	0.26	0.22	0.26	0.21	0.26	0.20
electric	0.08	0.09	0.09	0.08	0.07	0.08	0.07	0.08	0.07	0.08	0.07	0.08	0.06	0.08	0.05
non-electric	0.16	0.22	0.23	0.18	0.17	0.18	0.16	0.18	0.16	0.18	0.16	0.18	0.16	0.17	0.15
Air conditioning	0.01	0.03	0.04	0.02	0.03	0.02	0.03	0.02	0.03	0.02	0.03	0.02	0.03	0.02	0.02
Others	0.62	0.73	1.03	0.73	1.03	0.71	0.94	0.69	0.81	0.69	0.81	0.63	0.54	0.59	0.45

Residential Buildings	2008	Base_noEA		Base_inclEA		Base_WM		AM		LPI		HPI		NE	
		2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030
Total Residential Buildings	8.68	8.51	8.07	8.31	7.68	8.31	7.68	8.13	7.44	8.07	7.38	7.21	5.57	7.21	5.57
New buildings	0.00	0.35	0.58	0.34	0.56	0.34	0.56	0.33	0.54	0.33	0.53	0.29	0.40	0.29	0.40
Existing buildings, of which	7.46	6.90	6.24	6.74	5.95	6.74	5.95	6.60	5.77	6.54	5.71	5.86	4.31	5.86	4.31
envelope										0.20	0.24	0.94	1.80	0.94	1.80
heating systems										0.00	0.01	0.01	0.03	0.01	0.03
Hot Water	1.36	1.38	1.33	1.35	1.27	1.35	1.27	1.32	1.23	1.31	1.22	1.18	0.95	1.18	0.95

Tertiary Appliances	2008	Base_noEA		Base_inclEA		Base_WM		AM		LPI		HPI		NE	
		2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030
Total Tertiary Appliances	2.58	2.88	3.16	2.77	2.97	2.77	2.97	2.67	2.66	2.53	2.39	2.46	2.18	2.46	2.18
Cooking	0.20	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.13	0.12	0.13	0.12
Elevators	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
ICT data centers	0.14	0.21	0.27	0.21	0.26	0.21	0.26	0.21	0.26	0.21	0.26	0.21	0.26	0.21	0.26
ICT office	0.09	0.07	0.08	0.07	0.07	0.07	0.07	0.07	0.07	0.05	0.05	0.05	0.05	0.05	0.05
Lighting	1.01	1.06	1.04	0.97	0.90	0.97	0.90	0.97	0.90	0.88	0.70	0.85	0.56	0.85	0.56
Lighting street	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.05	0.05	0.05	0.05	0.05	0.05
Refrigeration	0.38	0.43	0.45	0.41	0.43	0.41	0.43	0.41	0.42	0.40	0.40	0.40	0.40	0.40	0.40
Ventilation and air-conditioning	0.15	0.24	0.35	0.24	0.35	0.24	0.35	0.17	0.18	0.17	0.18	0.17	0.18	0.17	0.18
Others	0.52	0.62	0.74	0.62	0.72	0.62	0.72	0.59	0.58	0.59	0.57	0.59	0.53	0.59	0.53

Tertiary Buildings	2008	Base_noEA		Base_inclEA		Base_WM		AM		LPI		HPI		NE	
		2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030
Total Tertiary Buildings	5.91	5.86	5.19	5.82	5.11	5.82	5.11	5.69	4.95	5.65	4.91	5.13	3.79	5.13	3.79
New buildings	#NV	0.22	0.37	0.21	0.36	0.21	0.36	0.21	0.35	0.21	0.35	0.19	0.27	0.19	0.27
Existing buildings, of which	#NV	5.09	4.26	5.05	4.20	5.05	4.20	4.94	4.06	4.90	4.03	4.45	3.10	4.45	3.10
envelope										0.07	0.07	0.62	1.17	0.62	1.17
heating systems										0.00	0.00	0.01	0.02	0.01	0.02
Hot Water	0.51	0.55	0.55	0.55	0.54	0.55	0.54	0.53	0.53	0.53	0.52	0.49	0.41	0.49	0.41

Poland

Target for 2020 [Mtoe]	
primary energy	final energy
96.40	70.40

Poland, Mtoe, Final Energy Demand

Main sectors	2008	Base_noEA		Base_inclEA		Base_WM		AM		LPI		HPI		NE	
		2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030
All sectors (primary energy)	83.92	99.61	113.57	92.04	100.35	91.98	100.05	86.14	90.12	88.10	91.64	83.64	83.16	82.49	79.31
All sectors (final energy)	56.04	70.01	73.45	64.69	64.90	64.65	64.70	60.55	58.28	61.93	59.27	58.79	53.78	57.98	51.29
Residential sector	14.16	17.16	16.88	15.86	14.93	15.82	14.73	13.68	11.69	15.29	13.65	13.21	10.82	13.10	10.51
Tertiary sector	11.29	11.85	11.96	11.55	11.53	11.55	11.53	10.58	9.59	10.91	10.01	10.06	8.43	9.97	8.07
Transport	14.25	21.16	22.71	17.83	17.25	17.83	17.25	17.13	16.39	17.13	16.11	17.13	15.44	17.13	15.02
Industry	16.34	19.83	21.90	19.44	21.20	19.44	21.20	19.15	20.61	18.59	19.50	18.38	19.09	17.78	17.69

Residential Appliances	2008	Base_noEA		Base_inclEA		Base_WM		AM		LPI		HPI		NE	
		2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030
Total Residential Appliances	3.43	4.89	5.52	4.05	4.09	4.01	3.90	3.94	3.54	3.94	3.54	3.86	3.17	3.75	2.86
Electric appliances (excl. IT)	0.65	1.05	1.18	0.74	0.70	0.74	0.70	0.71	0.48	0.71	0.48	0.71	0.47	0.65	0.30
IT-Appliances	0.33	0.67	0.75	0.61	0.66	0.60	0.65	0.59	0.63	0.59	0.63	0.58	0.53	0.58	0.52
Lighting	0.47	0.55	0.58	0.43	0.38	0.43	0.38	0.42	0.37	0.42	0.37	0.39	0.33	0.38	0.31
Cooking, of which	1.71	2.18	2.32	1.83	1.67	1.82	1.55	1.82	1.54	1.82	1.54	1.81	1.49	1.79	1.43
electric	0.42	0.46	0.46	0.42	0.32	0.42	0.32	0.41	0.31	0.41	0.31	0.41	0.26	0.41	0.26
non-electric	1.29	1.72	1.85	1.41	1.35	1.40	1.23	1.40	1.23	1.40	1.23	1.40	1.23	1.39	1.17
Air conditioning	0.00	0.03	0.08	0.02	0.06	0.02	0.06	0.02	0.06	0.02	0.06	0.02	0.06	0.02	0.05
Others	0.27	0.41	0.62	0.41	0.62	0.40	0.55	0.37	0.45	0.37	0.45	0.35	0.29	0.33	0.25

Residential Buildings	2008	Base_noEA		Base_inclEA		Base_WM		AM		LPI		HPI		NE	
		2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030
Total Residential Buildings	10.73	12.28	11.35	11.81	10.84	11.81	10.84	9.74	8.15	11.35	10.12	9.35	7.65	9.35	7.65
New buildings	0.00	0.53	0.86	0.51	0.82	0.51	0.82	0.42	0.62	0.49	0.77	0.40	0.59	0.40	0.59
Existing buildings, of which	9.74	10.50	9.25	10.11	8.84	10.11	8.84	8.35	6.66	9.71	8.25	8.03	6.28	8.03	6.28
envelope										0.39	0.60	2.19	2.76	2.19	2.76
heating systems										0.01	0.02	0.03	0.09	0.03	0.09
Hot Water	1.18	1.42	1.38	1.36	1.32	1.36	1.32	1.12	0.99	1.31	1.23	1.08	0.93	1.08	0.93

Tertiary Appliances	2008	Base_noEA		Base_inclEA		Base_WM		AM		LPI		HPI		NE	
		2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030
Total Tertiary Appliances	3.54	3.92	4.51	3.78	4.26	3.78	4.26	3.56	3.56	3.34	3.19	3.27	2.92	3.27	2.92
Cooking	0.22	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.14	0.15	0.14	0.15
Elevators	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
ICT data centers	0.10	0.28	0.40	0.26	0.38	0.26	0.38	0.26	0.38	0.26	0.38	0.26	0.38	0.26	0.38
ICT office	0.09	0.07	0.09	0.07	0.08	0.07	0.08	0.07	0.08	0.05	0.06	0.05	0.06	0.05	0.06
Lighting	1.57	1.51	1.47	1.40	1.29	1.40	1.29	1.40	1.29	1.26	1.00	1.22	0.81	1.22	0.81
Lighting street	0.45	0.48	0.50	0.48	0.49	0.48	0.49	0.44	0.36	0.39	0.32	0.39	0.32	0.39	0.32
Refrigeration	0.19	0.21	0.23	0.19	0.21	0.19	0.21	0.19	0.20	0.19	0.19	0.19	0.19	0.19	0.19
Ventilation and air-conditioning	0.21	0.42	0.69	0.42	0.69	0.42	0.69	0.30	0.36	0.30	0.36	0.30	0.36	0.30	0.36
Others	0.67	0.75	0.93	0.75	0.93	0.75	0.93	0.71	0.69	0.71	0.68	0.70	0.62	0.70	0.62

Tertiary Buildings	2008	Base_noEA		Base_inclEA		Base_WM		AM		LPI		HPI		NE	
		2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030
Total Tertiary Buildings	4.12	4.40	4.18	4.25	4.00	4.25	4.00	3.49	2.77	4.08	3.73	3.35	2.60	3.35	2.60
New buildings	#NV	0.16	0.29	0.16	0.28	0.16	0.28	0.13	0.20	0.15	0.26	0.12	0.18	0.12	0.18
Existing buildings, of which	#NV	3.83	3.43	3.69	3.28	3.69	3.28	3.04	2.27	3.55	3.06	2.91	2.13	2.91	2.13
envelope										0.07	0.10	0.80	1.21	0.80	1.21
heating systems										0.00	0.00	0.01	0.03	0.01	0.03
Hot Water	0.35	0.44	0.49	0.43	0.47	0.43	0.47	0.35	0.32	0.41	0.44	0.34	0.30	0.34	0.30

Portugal

Target for 2020 [Mtoe]	
primary energy	final energy
22.50	17.40

Portugal, Mtoe, Final Energy Demand

Main sectors	2008	Base_noEA		Base_inclEA		Base_WM		AM		LPI		HPI		NE	
		2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030
All sectors (primary energy)	23.43	24.83	24.77	23.18	21.69	23.16	21.57	22.31	19.99	21.84	19.01	21.35	17.80	21.17	17.14
All sectors (final energy)	18.40	20.18	21.48	18.84	18.82	18.82	18.71	18.13	17.34	17.75	16.49	17.35	15.44	17.20	14.87
Residential sector	3.25	3.88	4.15	3.46	3.40	3.44	3.30	3.33	3.06	3.36	3.08	3.16	2.64	3.13	2.51
Tertiary sector	2.51	3.26	3.73	3.16	3.56	3.16	3.56	2.83	2.72	2.78	2.61	2.67	2.37	2.66	2.33
Transport	7.12	7.36	7.80	6.66	6.24	6.66	6.24	6.49	6.11	6.34	5.73	6.33	5.51	6.33	5.33
Industry	5.52	5.67	5.81	5.57	5.62	5.57	5.62	5.48	5.44	5.27	5.06	5.18	4.92	5.09	4.70

Residential Appliances	2008	Base_noEA		Base_inclEA		Base_WM		AM		LPI		HPI		NE	
		2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030
Total Residential Appliances	1.79	2.39	2.68	2.01	2.00	2.00	1.90	1.97	1.78	1.97	1.78	1.92	1.60	1.88	1.47
Electric appliances (excl. IT)	0.24	0.34	0.36	0.24	0.20	0.24	0.20	0.23	0.14	0.23	0.14	0.23	0.14	0.21	0.09
IT-Appliances	0.12	0.24	0.26	0.22	0.24	0.21	0.23	0.21	0.23	0.21	0.23	0.21	0.19	0.21	0.18
Lighting	0.19	0.21	0.23	0.16	0.14	0.16	0.14	0.16	0.14	0.16	0.14	0.14	0.12	0.14	0.12
Cooking, of which	1.00	1.28	1.38	1.08	0.98	1.08	0.92	1.07	0.91	1.07	0.91	1.07	0.88	1.06	0.84
electric	0.23	0.26	0.28	0.24	0.19	0.24	0.19	0.24	0.18	0.24	0.18	0.24	0.15	0.24	0.15
non-electric	0.76	1.02	1.10	0.84	0.80	0.83	0.73	0.83	0.73	0.83	0.73	0.83	0.73	0.82	0.69
Air conditioning	0.00	0.04	0.08	0.03	0.06	0.03	0.06	0.03	0.06	0.03	0.06	0.03	0.06	0.03	0.05
Others	0.23	0.29	0.37	0.29	0.37	0.28	0.34	0.27	0.30	0.27	0.30	0.24	0.21	0.24	0.18

Residential Buildings	2008	Base_noEA		Base_inclEA		Base_WM		AM		LPI		HPI		NE	
		2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030
Total Residential Buildings	1.47	1.48	1.47	1.44	1.40	1.44	1.40	1.36	1.28	1.39	1.31	1.24	1.05	1.24	1.05
New buildings	0.00	0.05	0.08	0.04	0.08	0.04	0.08	0.04	0.07	0.04	0.07	0.04	0.06	0.04	0.06
Existing buildings, of which	0.94	0.91	0.88	0.89	0.84	0.89	0.84	0.84	0.77	0.86	0.78	0.77	0.63	0.77	0.63
envelope										0.03	0.06	0.13	0.23	0.13	0.23
heating systems										0.00	0.00	0.00	0.00	0.00	0.00
Hot Water	0.54	0.54	0.52	0.52	0.49	0.52	0.49	0.49	0.45	0.50	0.46	0.45	0.37	0.45	0.37

Tertiary Appliances	2008	Base_noEA		Base_inclEA		Base_WM		AM		LPI		HPI		NE	
		2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030
Total Tertiary Appliances	1.28	1.99	2.48	1.95	2.41	1.95	2.41	1.66	1.64	1.60	1.53	1.58	1.47	1.58	1.47
Cooking	0.09	0.07	0.06	0.07	0.06	0.07	0.06	0.07	0.06	0.07	0.06	0.06	0.06	0.06	0.06
Elevators	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
ICT data centers	0.04	0.08	0.10	0.08	0.10	0.08	0.10	0.08	0.10	0.08	0.10	0.08	0.10	0.08	0.10
ICT office	0.03	0.02	0.03	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
Lighting	0.43	0.47	0.40	0.43	0.35	0.43	0.35	0.43	0.35	0.39	0.27	0.38	0.23	0.38	0.23
Lighting street	0.04	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.04	0.04	0.04	0.04	0.04	0.04
Refrigeration	0.08	0.08	0.08	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.06	0.07	0.06	0.07	0.06
Ventilation and air-conditioning	0.33	0.93	1.43	0.93	1.43	0.93	1.43	0.66	0.73	0.66	0.73	0.66	0.73	0.66	0.73
Others	0.21	0.27	0.30	0.27	0.30	0.27	0.30	0.25	0.22	0.25	0.22	0.25	0.20	0.25	0.20

Tertiary Buildings	2008	Base_noEA		Base_inclEA		Base_WM		AM		LPI		HPI		NE	
		2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030
Total Tertiary Buildings	0.77	0.82	0.83	0.76	0.74	0.76	0.74	0.71	0.67	0.73	0.69	0.65	0.54	0.65	0.54
New buildings	#NV	0.03	0.06	0.03	0.05	0.03	0.05	0.03	0.05	0.03	0.05	0.02	0.04	0.02	0.04
Existing buildings, of which	#NV	0.72	0.70	0.66	0.62	0.66	0.62	0.63	0.57	0.64	0.58	0.57	0.46	0.57	0.46
envelope										0.01	0.02	0.10	0.18	0.10	0.18
heating systems										0.00	0.00	0.00	0.00	0.00	0.00
Hot Water	0.06	0.06	0.06	0.06	0.05	0.06	0.05	0.05	0.05	0.06	0.05	0.05	0.04	0.05	0.04

Transport	2008	Base_noEA		Base_inclEA		Base_WM		AM		LPI		HPI		NE	
		2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030
Total Transport	7.12	7.36	7.80	6.66	6.24	6.66	6.24	6.49	6.11	6.34	5.73	6.33	5.51	6.33	5.33
<i>Technical</i>										2.13	1.91	2.13	1.78	2.13	1.69
<i>Modal shift/Infrastructure</i>										2.13	1.95	2.13	1.90	2.13	1.86
<i>Behaviour</i>										2.08	1.87	2.08	1.83	2.08	1.78
Passenger Transport	4.30	4.67	4.96	4.00	3.55	4.00	3.55	3.89	3.52	3.80	3.33	3.79	3.18	3.80	3.16
<i>Road (cars/motocycles)</i>	3.27	3.36	3.60	2.93	2.55	2.93	2.55	2.87	2.55	2.79	2.39	2.79	2.23	2.79	2.20
<i>Road (buses)</i>	0.43	0.45	0.44	0.39	0.36	0.39	0.36	0.36	0.32	0.34	0.31	0.34	0.31	0.34	0.31
<i>Rail</i>	0.05	0.06	0.06	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
<i>Air</i>	0.56	0.81	0.87	0.62	0.60	0.62	0.60	0.61	0.59	0.61	0.59	0.61	0.60	0.61	0.60
Goods Transport	2.82	2.70	2.83	2.66	2.69	2.66	2.69	2.60	2.60	2.54	2.40	2.54	2.33	2.54	2.18
<i>Road (Light and Heavy Duty Vehicles)</i>	2.70	2.56	2.69	2.55	2.58	2.55	2.58	2.49	2.49	2.43	2.30	2.43	2.23	2.43	2.07
<i>Rail</i>	0.02	0.02	0.02	0.02	0.01	0.02	0.01	0.02	0.01	0.02	0.01	0.02	0.01	0.02	0.01
<i>Ship (maritime)</i>	0.10	0.03	0.03	0.10	0.09	0.10	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09
<i>Ship (inland navigation)</i>	0.00	0.10	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Industry	2008	Base_noEA		Base_inclEA		Base_WM		AM		LPI		HPI		NE	
		2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030
Total Industry	5.52	5.67	5.81	5.57	5.62	5.57	5.62	5.48	5.44	5.27	5.06	5.18	4.92	5.09	4.70
<i>Energy-intensive processes, of which</i>	2.72	2.89	2.94	2.88	2.93	2.88	2.93	2.85	2.88	2.76	2.74	2.72	2.68	2.68	2.63
<i> electricity</i>	0.55	0.60	0.62	0.60	0.61	0.60	0.61	0.59	0.61	0.56	0.56	0.54	0.55	0.52	0.52
<i> fuels</i>	2.18	2.29	2.32	2.28	2.31	2.28	2.31	2.26	2.27	2.20	2.17	2.17	2.13	2.16	2.11
<i>Non energy-intensive processes, of w</i>	2.80	2.79	2.87	2.69	2.69	2.69	2.69	2.62	2.56	2.51	2.33	2.47	2.24	2.41	2.07
<i> electricity</i>	0.97	1.00	1.06	0.95	0.97	0.95	0.97	0.91	0.91	0.85	0.81	0.84	0.78	0.84	0.78
<i> fuels</i>	1.83	1.78	1.81	1.74	1.72	1.74	1.72	1.71	1.66	1.66	1.52	1.63	1.46	1.57	1.29
Specific end-uses	5.52	5.67	5.81	5.57	5.62	5.57	5.62	5.48	5.44	5.27	5.06	5.18	4.92	5.09	4.70
<i>Space heating (total)</i>	0.46	0.34	0.27	0.32	0.24	0.32	0.24	0.31	0.23	0.32	0.23	0.31	0.21	0.29	0.19
<i>Cross-cutting thermal (excl. space he</i>	1.77	2.04	2.11	2.01	2.06	2.01	2.06	1.99	2.01	1.91	1.82	1.88	1.75	1.83	1.61
<i>Cross-cutting electric (motor systems</i>	1.22	1.26	1.31	1.21	1.22	1.21	1.22	1.17	1.16	1.09	1.04	1.06	0.99	1.05	0.98
<i>Process-specific thermal</i>	1.78	1.70	1.75	1.68	1.73	1.68	1.73	1.67	1.70	1.64	1.65	1.62	1.62	1.61	1.60
<i>Process-specific electric</i>	0.30	0.34	0.37	0.34	0.36	0.34	0.36	0.33	0.35	0.32	0.34	0.32	0.33	0.31	0.32
Sub-Sectors	5.52	5.67	5.81	5.57	5.62	5.57	5.62	5.48	5.44	5.27	5.06	5.18	4.92	5.09	4.70
<i>Chemical industry</i>	0.50	0.57	0.58	0.56	0.56	0.56	0.56	0.55	0.55	0.53	0.52	0.53	0.51	0.52	0.50
<i>Engineering and other metal</i>	0.24	0.24	0.27	0.24	0.26	0.24	0.26	0.23	0.25	0.23	0.24	0.22	0.23	0.22	0.23
<i>Food, drink and tobacco</i>	0.51	0.48	0.49	0.47	0.47	0.47	0.47	0.46	0.45	0.44	0.42	0.44	0.40	0.43	0.37
<i>Iron and steel</i>	0.19	0.11	0.11	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.09	0.10	0.09	0.08	0.07
<i>Non-ferrous metals</i>	0.04	0.04	0.04	0.04	0.03	0.04	0.03	0.04	0.03	0.04	0.03	0.03	0.03	0.03	0.03
<i>Non-metallic mineral products</i>	1.75	1.77	1.83	1.76	1.80	1.76	1.80	1.73	1.76	1.67	1.65	1.64	1.62	1.64	1.59
<i>Other non-classified</i>	1.07	1.03	1.05	1.01	1.01	1.01	1.01	1.00	0.98	0.97	0.93	0.96	0.90	0.94	0.86
<i>Paper and printing</i>	1.23	1.44	1.45	1.40	1.38	1.40	1.38	1.37	1.33	1.29	1.19	1.26	1.13	1.22	1.04

Agriculture/Fishing	2008	Base_noEA		Base_inclEA		Base_WM		AM		LPI		HPI		NE	
		2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030
Total Agriculture/Fishing	0.43	0.42	0.38	0.42	0.38	0.42	0.38	0.42	0.38	0.42	0.36	0.41	0.34	0.40	0.30

non-classified (Other)	2008	Base_noEA		Base_inclEA		Base_WM		AM		LPI		HPI		NE	
		2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030
Total non-classified (Other)	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.02	0.03	0.03	0.03	0.02	0.03	0.02

Romania

Target for 2020 [Mtoe]	
primary energy	final energy
42.99	30.32

Romania, Mtoe, Final Energy Demand

Main sectors	2008	Base_noEA		Base_inclEA		Base_WM		AM		LPI		HPI		NE	
		2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030
All sectors (primary energy)	39.84	43.31	44.27	40.52	39.28	40.48	39.00	39.04	36.91	39.05	36.29	37.53	33.55	37.21	32.00
All sectors (final energy)	26.10	31.87	33.05	29.82	29.32	29.79	29.12	28.73	27.55	28.73	27.09	27.62	25.05	27.38	23.89
Residential sector	9.39	10.42	10.00	9.65	8.73	9.62	8.52	9.15	7.88	9.49	8.26	8.82	7.21	8.75	7.01
Tertiary sector	2.94	2.96	2.93	2.92	2.84	2.92	2.84	2.73	2.55	2.77	2.54	2.49	1.97	2.48	1.93
Transport	4.90	5.96	7.15	4.98	5.19	4.98	5.19	4.77	4.90	4.66	4.64	4.66	4.47	4.66	4.36
Industry	8.86	12.52	12.97	12.27	12.56	12.27	12.56	12.08	12.22	11.81	11.66	11.65	11.40	11.49	10.59

Residential Appliances	2008	Base_noEA		Base_inclEA		Base_WM		AM		LPI		HPI		NE	
		2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030
Total Residential Appliances	3.13	4.40	4.74	3.63	3.47	3.60	3.26	3.58	3.11	3.58	3.11	3.54	2.96	3.46	2.75
Electric appliances (excl. IT)	0.26	0.49	0.51	0.37	0.33	0.37	0.33	0.36	0.23	0.36	0.23	0.36	0.23	0.32	0.15
IT-Appliances	0.17	0.38	0.42	0.35	0.37	0.34	0.36	0.33	0.36	0.33	0.36	0.33	0.30	0.33	0.29
Lighting	0.31	0.34	0.36	0.25	0.22	0.25	0.22	0.25	0.21	0.25	0.21	0.23	0.19	0.23	0.18
Cooking, of which	2.25	2.96	3.17	2.45	2.30	2.44	2.12	2.44	2.11	2.44	2.11	2.43	2.09	2.40	1.99
electric	0.20	0.21	0.21	0.19	0.15	0.19	0.15	0.19	0.14	0.19	0.14	0.19	0.12	0.19	0.12
non-electric	2.06	2.75	2.96	2.26	2.15	2.25	1.97	2.25	1.97	2.25	1.97	2.25	1.97	2.22	1.88
Air conditioning	0.05	0.12	0.12	0.10	0.09	0.10	0.09	0.10	0.08	0.10	0.08	0.10	0.08	0.10	0.08
Others	0.08	0.11	0.15	0.11	0.15	0.10	0.14	0.10	0.12	0.10	0.12	0.09	0.07	0.08	0.06

Residential Buildings	2008	Base_noEA		Base_inclEA		Base_WM		AM		LPI		HPI		NE	
		2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030
Total Residential Buildings	6.26	6.02	5.26	6.02	5.26	6.02	5.26	5.57	4.77	5.92	5.14	5.28	4.25	5.28	4.25
New buildings	0.00	0.22	0.34	0.22	0.34	0.22	0.34	0.21	0.31	0.22	0.34	0.20	0.28	0.20	0.28
Existing buildings, of which	4.76	4.40	3.69	4.40	3.69	4.40	3.69	4.08	3.36	4.33	3.62	3.88	3.02	3.88	3.02
envelope										0.07	0.07	0.55	0.73	0.55	0.73
heating systems										0.00	0.01	0.01	0.03	0.01	0.03
Hot Water	1.31	1.30	1.17	1.30	1.17	1.30	1.17	1.20	1.05	1.27	1.14	1.14	0.94	1.14	0.94

Tertiary Appliances	2008	Base_noEA		Base_inclEA		Base_WM		AM		LPI		HPI		NE	
		2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030
Total Tertiary Appliances	0.53	0.69	0.82	0.65	0.75	0.65	0.75	0.63	0.69	0.58	0.57	0.56	0.52	0.56	0.52
Cooking	0.07	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.05	0.05	0.05	0.05
Elevators	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
ICT data centers	0.03	0.08	0.12	0.08	0.10	0.08	0.10	0.07	0.10	0.07	0.10	0.07	0.10	0.07	0.10
ICT office	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.02	0.03	0.02	0.02	0.02	0.02	0.02	0.02
Lighting	0.22	0.30	0.34	0.28	0.29	0.28	0.29	0.28	0.29	0.25	0.22	0.24	0.17	0.24	0.17
Lighting street	0.08	0.09	0.10	0.09	0.10	0.09	0.10	0.09	0.10	0.07	0.07	0.07	0.07	0.07	0.07
Refrigeration	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.04	0.04	0.04	0.04	0.04	0.04	0.04
Ventilation and air-conditioning	0.01	0.03	0.06	0.03	0.06	0.03	0.06	0.02	0.03	0.02	0.03	0.02	0.03	0.02	0.03
Others	0.03	0.04	0.05	0.04	0.05	0.04	0.05	0.04	0.04	0.04	0.04	0.04	0.03	0.04	0.03

Tertiary Buildings	2008	Base_noEA		Base_inclEA		Base_WM		AM		LPI		HPI		NE	
		2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030
Total Tertiary Buildings	1.72	1.73	1.63	1.73	1.63	1.73	1.63	1.57	1.41	1.67	1.52	1.42	1.06	1.42	1.06
New buildings	#NV	0.07	0.12	0.07	0.12	0.07	0.12	0.06	0.11	0.06	0.11	0.05	0.08	0.05	0.08
Existing buildings, of which	#NV	1.58	1.41	1.58	1.41	1.58	1.41	1.43	1.22	1.52	1.32	1.29	0.91	1.29	0.91
envelope										0.03	0.04	0.30	0.53	0.30	0.53
heating systems										0.00	0.00	0.00	0.01	0.00	0.01
Hot Water	0.09	0.10	0.11	0.10	0.11	0.10	0.11	0.09	0.09	0.10	0.10	0.08	0.07	0.08	0.07

Transport	2008	Base_noEA		Base_inclEA		Base_WM		AM		LPI		HPI		NE	
		2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030
Total Transport	4.90	5.96	7.15	4.98	5.19	4.98	5.19	4.77	4.90	4.66	4.64	4.66	4.47	4.66	4.36
<i>Technical</i>										1.57	1.55	1.57	1.45	1.57	1.40
<i>Modal shift/Infrastructure</i>										1.57	1.58	1.56	1.54	1.57	1.51
<i>Behaviour</i>										1.53	1.52	1.53	1.48	1.53	1.46
Passenger Transport	3.20	4.15	4.78	3.02	3.01	3.02	3.01	2.87	2.81	2.80	2.68	2.80	2.56	2.80	2.52
<i>Road (cars/motocycles)</i>	2.30	2.84	3.41	2.12	2.03	2.12	2.03	1.98	1.84	1.93	1.72	1.93	1.61	1.93	1.58
<i>Road (buses)</i>	0.48	0.44	0.41	0.40	0.36	0.40	0.36	0.38	0.34	0.37	0.32	0.37	0.32	0.37	0.32
<i>Rail</i>	0.19	0.28	0.31	0.15	0.15	0.15	0.15	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16
<i>Air</i>	0.23	0.58	0.65	0.34	0.47	0.34	0.47	0.35	0.47	0.35	0.47	0.35	0.47	0.35	0.47
Goods Transport	1.71	1.82	2.37	1.96	2.18	1.96	2.18	1.90	2.09	1.86	1.97	1.86	1.91	1.86	1.84
<i>Road (Light and Heavy Duty Vehicles)</i>	1.50	1.55	2.05	1.68	1.84	1.68	1.84	1.63	1.75	1.59	1.63	1.59	1.57	1.59	1.51
<i>Rail</i>	0.05	0.05	0.06	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
<i>Ship (maritime)</i>	0.07	0.08	0.07	0.07	0.09	0.07	0.09	0.07	0.09	0.07	0.09	0.07	0.09	0.07	0.09
<i>Ship (inland navigation)</i>	0.08	0.14	0.19	0.15	0.20	0.15	0.20	0.15	0.20	0.15	0.20	0.15	0.20	0.15	0.20

Industry	2008	Base_noEA		Base_inclEA		Base_WM		AM		LPI		HPI		NE	
		2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030
Total Industry	8.86	12.52	12.97	12.27	12.56	12.27	12.56	12.08	12.22	11.81	11.66	11.65	11.40	11.49	10.59
<i>Energy-intensive processes, of which</i>	4.42	7.26	7.37	7.22	7.30	7.22	7.30	7.17	7.18	7.03	6.94	6.97	6.83	6.95	6.31
<i> electricity</i>	0.87	1.18	1.13	1.18	1.12	1.18	1.12	1.17	1.10	1.15	1.06	1.14	1.04	1.11	1.01
<i> fuels</i>	3.55	6.08	6.24	6.05	6.18	6.05	6.18	6.00	6.09	5.88	5.88	5.83	5.79	5.83	5.29
<i>Non energy-intensive processes, of w</i>	4.44	5.26	5.60	5.04	5.26	5.04	5.26	4.92	5.04	4.78	4.72	4.68	4.57	4.55	4.28
<i> electricity</i>	1.10	1.59	1.80	1.53	1.69	1.53	1.69	1.47	1.60	1.39	1.48	1.35	1.43	1.35	1.44
<i> fuels</i>	3.34	3.67	3.80	3.52	3.57	3.52	3.57	3.44	3.43	3.39	3.24	3.33	3.14	3.19	2.85
Specific end-uses	8.86	12.52	12.97	12.27	12.56	12.27	12.56	12.08	12.22	11.81	11.66	11.65	11.40	11.49	10.59
<i>Space heating (total)</i>	1.58	1.16	0.87	1.05	0.73	1.05	0.73	1.00	0.66	1.01	0.66	0.98	0.62	0.91	0.54
<i>Cross-cutting thermal (excl. space he</i>	1.66	2.25	2.52	2.27	2.52	2.27	2.52	2.27	2.49	2.20	2.28	2.17	2.20	2.13	2.04
<i>Cross-cutting electric (motor systems</i>	1.50	2.02	2.13	1.95	2.01	1.95	2.01	1.90	1.92	1.80	1.77	1.76	1.70	1.75	1.69
<i>Process-specific thermal</i>	3.65	6.33	6.65	6.25	6.51	6.25	6.51	6.17	6.37	6.06	6.17	6.01	6.10	5.98	5.57
<i>Process-specific electric</i>	0.48	0.76	0.80	0.75	0.79	0.75	0.79	0.75	0.78	0.74	0.77	0.73	0.77	0.72	0.76
Sub-Sectors	8.86	12.52	12.97	12.27	12.56	12.27	12.56	12.08	12.22	11.81	11.66	11.65	11.40	11.49	10.59
<i>Chemical industry</i>	2.51	2.79	2.95	2.75	2.89	2.75	2.89	2.72	2.83	2.65	2.70	2.63	2.66	2.59	2.56
<i>Engineering and other metal</i>	0.62	0.84	0.94	0.80	0.88	0.80	0.88	0.78	0.84	0.77	0.82	0.75	0.79	0.73	0.76
<i>Food, drink and tobacco</i>	0.69	0.64	0.62	0.61	0.58	0.61	0.58	0.59	0.55	0.58	0.50	0.57	0.48	0.55	0.43
<i>Iron and steel</i>	2.76	5.69	5.85	5.64	5.76	5.64	5.76	5.60	5.66	5.50	5.46	5.45	5.38	5.44	4.87
<i>Non-ferrous metals</i>	0.00	0.02	0.00	0.02	0.00	0.02	0.00	0.02	0.00	0.01	0.00	0.01	0.00	0.00	0.00
<i>Non-metallic mineral products</i>	0.69	0.96	1.00	0.93	0.96	0.93	0.96	0.91	0.92	0.86	0.84	0.84	0.80	0.83	0.78
<i>Other non-classified</i>	1.48	1.47	1.49	1.41	1.39	1.41	1.39	1.38	1.33	1.35	1.25	1.33	1.21	1.28	1.11
<i>Paper and printing</i>	0.12	0.10	0.12	0.10	0.11	0.10	0.11	0.09	0.10	0.09	0.09	0.08	0.08	0.08	0.07

Agriculture/Fishing	2008	Base_noEA		Base_inclEA		Base_WM		AM		LPI		HPI		NE	
		2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030
Total Agriculture/Fishing	0.29	0.33	0.26	0.33	0.26	0.33	0.26	0.33	0.26	0.32	0.25	0.32	0.23	0.31	0.21

non-classified (Other)	2008	Base_noEA		Base_inclEA		Base_WM		AM		LPI		HPI		NE	
		2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030
Total non-classified (Other)	0.40	0.22	0.22	0.21	0.20	0.21	0.20	0.20	0.18	0.20	0.19	0.19	0.16	0.19	0.15

Slovenia

Target for 2020 [Mtoe]	
primary energy	final energy
7.31	5.09

Slovenia, Mtoe, Final Energy Demand

Main sectors	2008	Base_noEA		Base_inclEA		Base_WM		AM		LPI		HPI		NE	
		2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030
All sectors (primary energy)	7.30	7.71	7.76	6.99	6.78	6.99	6.76	6.55	6.11	6.59	6.12	6.32	5.59	6.27	5.48
All sectors (final energy)	5.13	5.86	5.95	5.31	5.20	5.31	5.18	4.98	4.68	5.01	4.69	4.80	4.29	4.77	4.20
Residential sector	1.30	1.45	1.41	1.36	1.28	1.36	1.27	1.22	1.06	1.31	1.17	1.17	0.97	1.17	0.95
Tertiary sector	0.64	0.69	0.71	0.66	0.68	0.66	0.68	0.59	0.55	0.62	0.58	0.56	0.48	0.56	0.47
Transport	1.73	2.12	2.11	1.72	1.56	1.72	1.56	1.61	1.44	1.56	1.38	1.56	1.31	1.56	1.30
Industry	1.46	1.60	1.72	1.57	1.67	1.57	1.67	1.55	1.63	1.52	1.56	1.50	1.53	1.48	1.48

Residential Appliances	2008	Base_noEA		Base_inclEA		Base_WM		AM		LPI		HPI		NE	
		2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030
Total Residential Appliances	0.24	0.29	0.33	0.24	0.26	0.24	0.25	0.23	0.22	0.23	0.22	0.23	0.18	0.22	0.16
Electric appliances (excl. IT)	0.05	0.07	0.07	0.05	0.05	0.05	0.05	0.05	0.03	0.05	0.03	0.05	0.03	0.04	0.02
IT-Appliances	0.03	0.05	0.05	0.05	0.05	0.05	0.05	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
Lighting	0.04	0.05	0.05	0.04	0.03	0.04	0.03	0.04	0.03	0.04	0.03	0.03	0.03	0.03	0.03
Cooking, of which	0.04	0.05	0.05	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.03
electric	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
non-electric	0.03	0.04	0.04	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
Air conditioning	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Others	0.08	0.06	0.09	0.06	0.09	0.06	0.08	0.06	0.07	0.06	0.07	0.05	0.04	0.05	0.04

Residential Buildings	2008	Base_noEA		Base_inclEA		Base_WM		AM		LPI		HPI		NE	
		2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030
Total Residential Buildings	1.06	1.16	1.07	1.12	1.03	1.12	1.03	0.99	0.84	1.07	0.96	0.95	0.79	0.95	0.79
New buildings	0.00	0.05	0.08	0.05	0.07	0.05	0.07	0.04	0.06	0.04	0.07	0.04	0.06	0.04	0.06
Existing buildings, of which	0.89	0.94	0.84	0.91	0.80	0.91	0.80	0.79	0.64	0.87	0.75	0.76	0.61	0.76	0.61
envelope										0.04	0.06	0.16	0.22	0.16	0.22
heating systems										0.00	0.00	0.00	0.00	0.00	0.00
Hot Water	0.16	0.17	0.16	0.16	0.15	0.16	0.15	0.15	0.13	0.16	0.14	0.15	0.13	0.15	0.13

Tertiary Appliances	2008	Base_noEA		Base_inclEA		Base_WM		AM		LPI		HPI		NE	
		2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030
Total Tertiary Appliances	0.25	0.27	0.31	0.26	0.29	0.26	0.29	0.24	0.24	0.23	0.22	0.22	0.20	0.22	0.20
Cooking	0.03	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
Elevators	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
ICT data centers	0.01	0.02	0.03	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
ICT office	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Lighting	0.09	0.09	0.09	0.08	0.07	0.08	0.07	0.08	0.07	0.07	0.06	0.07	0.04	0.07	0.04
Lighting street	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Refrigeration	0.03	0.03	0.03	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
Ventilation and air-conditioning	0.03	0.05	0.07	0.05	0.07	0.05	0.07	0.03	0.04	0.03	0.04	0.03	0.04	0.03	0.04
Others	0.04	0.04	0.05	0.04	0.05	0.04	0.05	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04

Tertiary Buildings	2008	Base_noEA		Base_inclEA		Base_WM		AM		LPI		HPI		NE	
		2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030
Total Tertiary Buildings	0.29	0.32	0.30	0.31	0.29	0.31	0.29	0.26	0.21	0.29	0.27	0.25	0.20	0.25	0.20
New buildings	#NV	0.01	0.02	0.01	0.02	0.01	0.02	0.01	0.01	0.01	0.02	0.01	0.01	0.01	0.01
Existing buildings, of which	#NV	0.27	0.25	0.26	0.24	0.26	0.24	0.22	0.17	0.25	0.22	0.21	0.16	0.21	0.16
envelope										0.00	0.01	0.05	0.08	0.05	0.08
heating systems										0.00	0.00	0.00	0.00	0.00	0.00
Hot Water	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.02	0.03	0.03	0.03	0.02	0.03	0.02

Transport	2008	Base_noEA		Base_inclEA		Base_WM		AM		LPI		HPI		NE	
		2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030
Total Transport	1.73	2.12	2.11	1.72	1.56	1.72	1.56	1.61	1.44	1.56	1.38	1.56	1.31	1.56	1.30
<i>Technical</i>										0.53	0.47	0.53	0.43	0.53	0.42
<i>Modal shift/Infrastructure</i>										0.53	0.47	0.53	0.45	0.53	0.45
<i>Behaviour</i>										0.51	0.45	0.51	0.43	0.51	0.43
Passenger Transport	1.07	1.30	1.35	0.94	0.77	0.94	0.77	0.90	0.73	0.87	0.70	0.87	0.67	0.87	0.66
<i>Road (cars/motocycles)</i>	0.94	1.15	1.20	0.81	0.65	0.81	0.65	0.78	0.62	0.76	0.60	0.76	0.57	0.76	0.56
<i>Road (buses)</i>	0.11	0.10	0.09	0.10	0.09	0.10	0.09	0.09	0.08	0.08	0.07	0.08	0.07	0.08	0.07
<i>Rail</i>	0.01	0.01	0.00	0.01	0.00	0.01	0.00	0.01	0.00	0.01	0.00	0.01	0.00	0.01	0.00
<i>Air</i>	0.02	0.05	0.06	0.02	0.02	0.02	0.02	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
Goods Transport	0.66	0.82	0.76	0.78	0.79	0.78	0.79	0.71	0.71	0.69	0.67	0.69	0.63	0.69	0.64
<i>Road (Light and Heavy Duty Vehicles)</i>	0.63	0.77	0.71	0.74	0.75	0.74	0.75	0.67	0.67	0.65	0.63	0.65	0.59	0.65	0.60
<i>Rail</i>	0.02	0.02	0.02	0.02	0.03	0.02	0.03	0.02	0.03	0.02	0.03	0.02	0.03	0.02	0.03
<i>Ship (maritime)</i>	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
<i>Ship (inland navigation)</i>	0.00	0.02	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Industry	2008	Base_noEA		Base_inclEA		Base_WM		AM		LPI		HPI		NE	
		2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030
Total Industry	1.46	1.60	1.72	1.57	1.67	1.57	1.67	1.55	1.63	1.52	1.56	1.50	1.53	1.48	1.48
<i>Energy-intensive processes, of which</i>	0.58	0.61	0.65	0.60	0.64	0.60	0.64	0.60	0.63	0.59	0.60	0.58	0.59	0.57	0.58
<i> electricity</i>	0.23	0.23	0.24	0.23	0.24	0.23	0.24	0.23	0.23	0.23	0.23	0.22	0.22	0.22	0.22
<i> fuels</i>	0.35	0.37	0.41	0.37	0.40	0.37	0.40	0.37	0.39	0.36	0.38	0.36	0.37	0.35	0.37
<i>Non energy-intensive processes, of w</i>	0.88	0.99	1.08	0.97	1.03	0.97	1.03	0.95	1.00	0.93	0.96	0.92	0.93	0.91	0.90
<i> electricity</i>	0.32	0.36	0.39	0.34	0.36	0.34	0.36	0.34	0.35	0.32	0.33	0.31	0.31	0.32	0.32
<i> fuels</i>	0.57	0.64	0.69	0.63	0.67	0.63	0.67	0.62	0.66	0.61	0.63	0.60	0.62	0.59	0.58
Specific end-uses	1.46	1.60	1.72	1.57	1.67	1.57	1.67	1.55	1.63	1.52	1.56	1.50	1.53	1.48	1.48
<i>Space heating (total)</i>	0.11	0.08	0.06	0.08	0.05	0.08	0.05	0.07	0.05	0.07	0.05	0.07	0.05	0.07	0.04
<i>Cross-cutting thermal (excl. space he</i>	0.29	0.33	0.36	0.33	0.35	0.33	0.35	0.32	0.34	0.31	0.31	0.30	0.30	0.30	0.27
<i>Cross-cutting electric (motor systems</i>	0.39	0.42	0.45	0.41	0.42	0.41	0.42	0.40	0.41	0.38	0.38	0.37	0.37	0.37	0.36
<i>Process-specific thermal</i>	0.52	0.60	0.67	0.60	0.66	0.60	0.66	0.59	0.66	0.59	0.65	0.59	0.64	0.58	0.64
<i>Process-specific electric</i>	0.16	0.17	0.18	0.17	0.18	0.17	0.18	0.17	0.18	0.17	0.17	0.17	0.17	0.16	0.17
Sub-Sectors	1.46	1.60	1.72	1.57	1.67	1.57	1.67	1.55	1.63	1.52	1.56	1.50	1.53	1.48	1.48
<i>Chemical industry</i>	0.16	0.18	0.19	0.18	0.19	0.18	0.19	0.18	0.18	0.18	0.18	0.18	0.18	0.17	0.17
<i>Engineering and other metal</i>	0.20	0.25	0.29	0.25	0.28	0.25	0.28	0.24	0.28	0.24	0.27	0.24	0.27	0.24	0.26
<i>Food, drink and tobacco</i>	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.07	0.08	0.07	0.07	0.07	0.07	0.07	0.06
<i>Iron and steel</i>	0.16	0.19	0.20	0.19	0.20	0.19	0.20	0.19	0.20	0.19	0.19	0.18	0.19	0.18	0.18
<i>Non-ferrous metals</i>	0.18	0.20	0.21	0.20	0.21	0.20	0.21	0.20	0.21	0.20	0.20	0.20	0.20	0.19	0.20
<i>Non-metallic mineral products</i>	0.23	0.22	0.25	0.22	0.24	0.22	0.24	0.22	0.24	0.21	0.23	0.21	0.22	0.21	0.22
<i>Other non-classified</i>	0.28	0.26	0.27	0.26	0.26	0.26	0.26	0.26	0.26	0.25	0.24	0.25	0.24	0.24	0.23
<i>Paper and printing</i>	0.17	0.20	0.22	0.20	0.21	0.20	0.21	0.19	0.20	0.18	0.18	0.18	0.17	0.17	0.16

Agriculture/Fishing	2008	Base_noEA		Base_inclEA		Base_WM		AM		LPI		HPI		NE	
		2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030
Total Agriculture/Fishing	0.08	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.06	0.07	0.06	0.07	0.05

non-classified (Other)	2008	Base_noEA		Base_inclEA		Base_WM		AM		LPI		HPI		NE	
		2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030
Total non-classified (Other)	0.02	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.02	0.03	0.03	0.03	0.02	0.03	0.02

Slovakia

Target for 2020 [Mtoe]	
primary energy	final energy
16.20	10.40

Slovakia, Mtoe, Final Energy Demand

Main sectors	2008	Base_noEA		Base_inclEA		Base_WM		AM		LPI		HPI		NE	
		2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030
All sectors (primary energy)	16.52	17.91	19.01	16.31	16.73	16.30	16.69	15.46	15.18	15.47	15.05	14.84	13.84	14.78	13.61
All sectors (final energy)	11.14	12.30	12.82	11.19	11.28	11.19	11.25	10.61	10.23	10.62	10.14	10.19	9.33	10.15	9.18
Residential sector	2.65	2.83	2.73	2.64	2.48	2.64	2.45	2.53	2.27	2.54	2.27	2.43	2.10	2.42	2.06
Tertiary sector	2.19	2.35	2.39	2.27	2.28	2.27	2.28	1.96	1.72	2.13	2.00	1.87	1.55	1.86	1.53
Transport	2.24	2.71	2.99	1.99	2.03	1.99	2.03	1.90	1.90	1.85	1.78	1.85	1.70	1.84	1.65
Industry	4.07	4.41	4.70	4.30	4.49	4.30	4.49	4.22	4.33	4.10	4.09	4.04	3.99	4.02	3.94

Residential Appliances	2008	Base_noEA		Base_inclEA		Base_WM		AM		LPI		HPI		NE	
		2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030
Total Residential Appliances	0.43	0.59	0.69	0.49	0.53	0.48	0.50	0.47	0.45	0.47	0.45	0.46	0.39	0.44	0.34
Electric appliances (excl. IT)	0.08	0.12	0.15	0.09	0.09	0.09	0.09	0.08	0.06	0.08	0.06	0.08	0.06	0.07	0.04
IT-Appliances	0.05	0.10	0.11	0.09	0.10	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.08	0.09	0.07
Lighting	0.07	0.09	0.09	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.05	0.06	0.05
Cooking, of which	0.13	0.16	0.17	0.14	0.13	0.14	0.12	0.13	0.12	0.13	0.12	0.13	0.11	0.13	0.11
electric	0.02	0.03	0.03	0.03	0.02	0.03	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
non-electric	0.10	0.13	0.14	0.11	0.11	0.11	0.10	0.11	0.10	0.11	0.10	0.11	0.10	0.11	0.09
Air conditioning	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.01
Others	0.09	0.10	0.14	0.10	0.14	0.09	0.13	0.09	0.11	0.09	0.11	0.08	0.07	0.08	0.06

Residential Buildings	2008	Base_noEA		Base_inclEA		Base_WM		AM		LPI		HPI		NE	
		2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030
Total Residential Buildings	2.21	2.24	2.04	2.15	1.95	2.15	1.95	2.06	1.82	2.07	1.82	1.98	1.71	1.98	1.71
New buildings	0.00	0.09	0.15	0.09	0.14	0.09	0.14	0.08	0.12	0.08	0.13	0.08	0.12	0.08	0.12
Existing buildings, of which	1.79	1.76	1.56	1.70	1.49	1.70	1.49	1.56	1.31	1.63	1.39	1.50	1.23	1.50	1.23
envelope										0.07	0.10	0.21	0.28	0.21	0.28
heating systems										0.00	0.00	0.00	0.00	0.00	0.00
Hot Water	0.36	0.35	0.32	0.33	0.30	0.33	0.30	0.35	0.33	0.32	0.28	0.34	0.31	0.34	0.31

Tertiary Appliances	2008	Base_noEA		Base_inclEA		Base_WM		AM		LPI		HPI		NE	
		2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030
Total Tertiary Appliances	0.53	0.61	0.69	0.59	0.65	0.59	0.65	0.54	0.53	0.52	0.48	0.50	0.43	0.50	0.43
Cooking	0.04	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
Elevators	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
ICT data centers	0.01	0.03	0.04	0.03	0.04	0.03	0.04	0.03	0.04	0.03	0.04	0.03	0.04	0.03	0.04
ICT office	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Lighting	0.23	0.23	0.22	0.22	0.19	0.22	0.19	0.22	0.19	0.19	0.15	0.19	0.12	0.19	0.12
Lighting street	0.01	0.01	0.02	0.01	0.02	0.01	0.02	0.01	0.02	0.01	0.01	0.01	0.01	0.01	0.01
Refrigeration	0.03	0.03	0.04	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
Ventilation and air-conditioning	0.08	0.12	0.17	0.12	0.17	0.12	0.17	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09
Others	0.10	0.12	0.14	0.12	0.14	0.12	0.14	0.11	0.10	0.11	0.10	0.11	0.09	0.11	0.09

Tertiary Buildings	2008	Base_noEA		Base_inclEA		Base_WM		AM		LPI		HPI		NE	
		2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030
Total Tertiary Buildings	1.52	1.61	1.57	1.55	1.51	1.55	1.51	1.29	1.07	1.49	1.41	1.24	1.00	1.24	1.00
New buildings	#NV	0.06	0.11	0.06	0.11	0.06	0.11	0.05	0.07	0.05	0.10	0.05	0.07	0.05	0.07
Existing buildings, of which	#NV	1.39	1.29	1.34	1.23	1.34	1.23	1.11	0.87	1.29	1.15	1.07	0.81	1.07	0.81
envelope										0.02	0.04	0.28	0.45	0.28	0.45
heating systems										0.00	0.00	0.00	0.00	0.00	0.00
Hot Water	0.14	0.17	0.18	0.16	0.18	0.16	0.18	0.13	0.12	0.15	0.16	0.13	0.12	0.13	0.12

Spain

Target for 2020 [Mtoe]	
primary energy	final energy
121.60	82.90

Spain, Mtoe, Final Energy Demand

Main sectors	2008	Base_noEA		Base_inclEA		Base_WM		AM		LPI		HPI		NE	
		2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030
All sectors (primary energy)	132.85	133.93	138.51	118.12	118.45	118.05	118.15	113.45	109.94	112.66	107.07	109.66	99.79	108.65	96.93
All sectors (final energy)	93.76	99.34	105.66	87.62	90.36	87.56	90.13	84.15	83.87	83.57	81.68	81.34	76.12	80.59	73.94
Residential sector	16.47	17.37	17.29	16.51	15.88	16.45	15.65	15.71	14.28	15.93	14.47	14.53	11.87	14.37	11.39
Tertiary sector	13.29	15.67	16.73	15.08	15.81	15.08	15.81	13.66	12.77	13.46	12.30	12.96	11.19	12.87	10.82
Transport	38.23	41.38	44.51	31.59	32.47	31.59	32.47	30.69	31.34	30.68	30.75	30.69	29.53	30.68	29.12
Industry	25.78	24.92	27.13	24.44	26.19	24.44	26.19	24.10	25.47	23.50	24.15	23.16	23.54	22.67	22.61

Residential Appliances	2008	Base_noEA		Base_inclEA		Base_WM		AM		LPI		HPI		NE	
		2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030
Total Residential Appliances	4.39	5.72	6.65	4.82	5.19	4.77	4.95	4.68	4.44	4.68	4.44	4.51	3.87	4.36	3.39
Electric appliances (excl. IT)	1.03	1.33	1.48	0.92	0.84	0.92	0.84	0.89	0.60	0.89	0.60	0.89	0.60	0.81	0.36
IT-Appliances	0.58	1.06	1.22	0.98	1.08	0.96	1.06	0.94	1.04	0.94	1.04	0.93	0.87	0.93	0.85
Lighting	0.48	0.54	0.61	0.43	0.42	0.43	0.42	0.42	0.41	0.42	0.41	0.39	0.36	0.39	0.34
Cooking, of which	0.99	1.27	1.37	1.07	1.00	1.06	0.93	1.06	0.92	1.06	0.92	1.06	0.89	1.05	0.85
electric	0.22	0.23	0.25	0.22	0.18	0.22	0.18	0.22	0.18	0.22	0.18	0.21	0.15	0.21	0.15
non-electric	0.78	1.04	1.12	0.85	0.81	0.85	0.74	0.85	0.74	0.85	0.74	0.85	0.74	0.84	0.71
Air conditioning	0.30	0.42	0.47	0.32	0.32	0.32	0.32	0.31	0.29	0.31	0.29	0.31	0.29	0.30	0.27
Others	1.01	1.11	1.51	1.11	1.51	1.08	1.38	1.05	1.17	1.05	1.17	0.93	0.86	0.89	0.72

Residential Buildings	2008	Base_noEA		Base_inclEA		Base_WM		AM		LPI		HPI		NE	
		2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030
Total Residential Buildings	12.07	11.64	10.63	11.68	10.70	11.68	10.70	11.03	9.84	11.25	10.03	10.02	8.00	10.02	8.00
New buildings	0.00	0.36	0.60	0.36	0.60	0.36	0.60	0.34	0.55	0.35	0.56	0.31	0.45	0.31	0.45
Existing buildings, of which	7.83	7.20	6.39	7.21	6.41	7.21	6.41	6.82	5.91	6.94	6.01	6.21	4.82	6.21	4.82
envelope										0.27	0.41	1.06	1.70	1.06	1.70
heating systems										0.01	0.02	0.02	0.08	0.02	0.08
Hot Water	4.37	4.17	3.71	4.16	3.71	4.16	3.71	3.93	3.41	4.00	3.48	3.57	2.77	3.57	2.77

Tertiary Appliances	2008	Base_noEA		Base_inclEA		Base_WM		AM		LPI		HPI		NE	
		2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030
Total Tertiary Appliances	6.52	8.37	9.54	8.17	9.18	8.17	9.18	6.98	6.48	6.75	6.06	6.66	5.81	6.66	5.81
Cooking	0.41	0.30	0.26	0.30	0.26	0.30	0.26	0.30	0.26	0.30	0.26	0.26	0.23	0.26	0.23
Elevators	0.20	0.15	0.13	0.15	0.13	0.15	0.13	0.15	0.13	0.15	0.14	0.14	0.13	0.14	0.13
ICT data centers	0.20	0.43	0.55	0.42	0.52	0.42	0.52	0.42	0.52	0.42	0.51	0.42	0.51	0.42	0.51
ICT office	0.15	0.12	0.13	0.12	0.12	0.12	0.12	0.12	0.12	0.09	0.09	0.09	0.09	0.09	0.09
Lighting	1.50	1.61	1.39	1.49	1.20	1.49	1.20	1.49	1.20	1.34	0.93	1.30	0.78	1.30	0.78
Lighting street	0.19	0.24	0.29	0.24	0.29	0.24	0.29	0.24	0.29	0.21	0.20	0.21	0.20	0.21	0.20
Refrigeration	0.52	0.58	0.57	0.54	0.50	0.54	0.50	0.54	0.50	0.53	0.48	0.53	0.48	0.53	0.48
Ventilation and air-conditioning	2.57	3.98	5.16	3.95	5.10	3.95	5.10	2.82	2.65	2.82	2.65	2.82	2.65	2.82	2.65
Others	0.79	0.97	1.06	0.96	1.06	0.96	1.06	0.92	0.81	0.92	0.80	0.91	0.74	0.91	0.74

Tertiary Buildings	2008	Base_noEA		Base_inclEA		Base_WM		AM		LPI		HPI		NE	
		2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030
Total Tertiary Buildings	3.29	3.46	3.23	3.13	2.81	3.13	2.81	2.96	2.59	3.02	2.64	2.69	2.09	2.69	2.09
New buildings	#NV	0.13	0.23	0.11	0.20	0.11	0.20	0.11	0.19	0.11	0.19	0.10	0.15	0.10	0.15
Existing buildings, of which	#NV	3.00	2.70	2.71	2.35	2.71	2.35	2.56	2.16	2.61	2.20	2.32	1.74	2.32	1.74
envelope										0.05	0.07	0.39	0.63	0.39	0.63
heating systems										0.00	0.00	0.01	0.03	0.01	0.03
Hot Water	0.28	0.28	0.25	0.26	0.22	0.26	0.22	0.24	0.20	0.25	0.21	0.22	0.16	0.22	0.16

Transport	2008	Base_noEA		Base_inclEA		Base_WM		AM		LPI		HPI		NE	
		2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030
Total Transport	38.23	41.38	44.51	31.59	32.47	31.59	32.47	30.69	31.34	30.68	30.75	30.69	29.53	30.68	29.12
<i>Technical</i>										10.23	10.12	10.23	9.46	10.23	9.24
<i>Modal shift/Infrastructure</i>										10.23	10.31	10.23	10.03	10.23	9.94
<i>Behaviour</i>										10.23	10.32	10.23	10.04	10.23	9.94
Passenger Transport	24.00	27.85	29.88	21.17	21.56	21.17	21.56	20.48	20.78	20.47	20.47	20.48	19.55	20.47	19.60
<i>Road (cars/motocycles)</i>	18.48	20.44	21.93	15.45	15.02	15.45	15.02	14.96	14.49	14.96	14.18	14.96	13.26	14.95	13.31
<i>Road (buses)</i>	1.19	1.21	1.26	1.08	1.01	1.08	1.01	0.95	0.90	0.95	0.90	0.95	0.90	0.95	0.90
<i>Rail</i>	0.16	0.21	0.22	0.17	0.20	0.17	0.20	0.16	0.20	0.16	0.20	0.17	0.20	0.17	0.20
<i>Air</i>	4.18	5.99	6.46	4.47	5.33	4.47	5.33	4.41	5.20	4.41	5.20	4.41	5.19	4.41	5.19
Goods Transport	14.22	13.53	14.64	10.42	10.91	10.42	10.91	10.21	10.55	10.21	10.28	10.21	9.98	10.21	9.52
<i>Road (Light and Heavy Duty Vehicles)</i>	13.77	12.74	13.84	9.86	10.36	9.86	10.36	9.66	10.02	9.66	9.74	9.66	9.44	9.66	8.99
<i>Rail</i>	0.07	0.07	0.08	0.07	0.06	0.07	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
<i>Ship (maritime)</i>	0.39	0.22	0.23	0.49	0.49	0.49	0.49	0.49	0.48	0.49	0.48	0.49	0.48	0.49	0.48
<i>Ship (inland navigation)</i>	0.00	0.49	0.49	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Industry	2008	Base_noEA		Base_inclEA		Base_WM		AM		LPI		HPI		NE	
		2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030
Total Industry	25.78	24.92	27.13	24.44	26.19	24.44	26.19	24.10	25.47	23.50	24.15	23.16	23.54	22.67	22.61
<i>Energy-intensive processes, of which</i>	13.12	11.63	12.22	11.56	12.07	11.56	12.07	11.45	11.85	11.22	11.40	11.08	11.17	10.88	10.96
<i> electricity</i>	3.70	3.26	3.45	3.25	3.40	3.25	3.40	3.22	3.35	3.16	3.23	3.12	3.16	3.09	3.08
<i> fuels</i>	9.42	8.37	8.77	8.31	8.67	8.31	8.67	8.23	8.50	8.06	8.18	7.96	8.01	7.78	7.88
<i>Non energy-intensive processes, of w</i>	12.66	13.29	14.92	12.88	14.12	12.88	14.12	12.64	13.62	12.28	12.75	12.08	12.37	11.79	11.65
<i> electricity</i>	4.35	4.64	5.30	4.44	4.95	4.44	4.95	4.32	4.73	4.11	4.39	4.02	4.24	4.04	4.25
<i> fuels</i>	8.30	8.65	9.62	8.44	9.17	8.44	9.17	8.33	8.88	8.17	8.36	8.06	8.13	7.76	7.40
Specific end-uses	25.78	24.92	27.13	24.44	26.19	24.44	26.19	24.10	25.47	23.50	24.15	23.16	23.54	22.67	22.61
<i>Space heating (total)</i>	2.66	1.96	1.65	1.85	1.43	1.85	1.43	1.79	1.32	1.81	1.31	1.76	1.26	1.66	1.08
<i>Cross-cutting thermal (excl. space he</i>	5.99	6.42	7.07	6.37	6.96	6.37	6.96	6.33	6.81	6.09	6.20	6.01	5.98	5.87	5.52
<i>Cross-cutting electric (motor systems</i>	6.00	5.80	6.44	5.61	6.08	5.61	6.08	5.48	5.83	5.24	5.42	5.13	5.22	5.13	5.19
<i>Process-specific thermal</i>	9.08	8.64	9.67	8.53	9.45	8.53	9.45	8.44	9.26	8.32	9.02	8.25	8.90	8.01	8.68
<i>Process-specific electric</i>	2.06	2.10	2.31	2.08	2.28	2.08	2.28	2.06	2.25	2.02	2.20	2.01	2.18	1.99	2.14
Sub-Sectors	25.78	24.92	27.13	24.44	26.19	24.44	26.19	24.10	25.47	23.50	24.15	23.16	23.54	22.67	22.61
<i>Chemical industry</i>	4.18	4.66	5.16	4.60	5.02	4.60	5.02	4.56	4.94	4.47	4.74	4.44	4.67	4.38	4.50
<i>Engineering and other metal</i>	1.93	1.95	2.44	1.90	2.34	1.90	2.34	1.87	2.28	1.86	2.23	1.83	2.18	1.80	2.14
<i>Food, drink and tobacco</i>	2.19	2.23	2.42	2.17	2.29	2.17	2.29	2.12	2.18	2.07	2.04	2.03	1.96	1.98	1.82
<i>Iron and steel</i>	3.68	3.47	4.04	3.42	3.94	3.42	3.94	3.39	3.85	3.31	3.64	3.27	3.55	3.07	3.38
<i>Non-ferrous metals</i>	1.15	1.02	0.93	1.00	0.91	1.00	0.91	0.99	0.89	0.96	0.85	0.95	0.83	0.93	0.81
<i>Non-metallic mineral products</i>	6.26	5.29	5.61	5.22	5.48	5.22	5.48	5.14	5.34	4.99	5.10	4.92	4.98	4.89	4.90
<i>Other non-classified</i>	4.21	4.52	4.81	4.42	4.60	4.42	4.60	4.35	4.46	4.24	4.18	4.19	4.07	4.11	3.85
<i>Paper and printing</i>	2.17	1.77	1.73	1.71	1.62	1.71	1.62	1.67	1.54	1.59	1.37	1.54	1.30	1.50	1.20

Agriculture/Fishing	2008	Base_noEA		Base_inclEA		Base_WM		AM		LPI		HPI		NE	
		2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030
Total Agriculture/Fishing	2.69	2.33	2.42	2.33	2.42	2.33	2.42	2.33	2.42	2.30	2.29	2.26	2.16	2.20	1.89

non-classified (Other)	2008	Base_noEA		Base_inclEA		Base_WM		AM		LPI		HPI		NE	
		2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030
Total non-classified (Other)	0.79	1.51	1.54	1.45	1.40	1.45	1.40	1.39	1.29	1.39	1.31	1.35	1.13	1.32	1.04

Sweden

Target for 2020 [Mtoe]	
primary energy	final energy
43.40	30.30

Sweden, Mtoe, Final Energy Demand

Main sectors	2008	Base_noEA		Base_inclEA		Base_WM		AM		LPI		HPI		NE	
		2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030
All sectors (primary energy)	48.49	52.41	53.03	48.41	47.06	48.36	46.82	46.89	44.34	46.00	42.53	44.60	39.14	44.11	37.55
All sectors (final energy)	33.47	33.93	34.86	31.34	30.94	31.31	30.78	30.35	29.15	29.78	27.96	28.87	25.73	28.56	24.69
Residential sector	8.02	8.11	8.11	7.83	7.66	7.80	7.51	7.59	7.00	7.79	7.31	7.30	6.21	7.20	5.91
Tertiary sector	4.65	4.74	4.74	4.60	4.48	4.60	4.48	4.51	4.27	4.45	4.12	4.27	3.72	4.26	3.65
Transport	8.60	9.08	9.60	7.24	6.97	7.24	6.97	6.84	6.51	6.68	6.16	6.68	5.85	6.68	5.68
Industry	12.20	11.99	12.42	11.67	11.83	11.67	11.83	11.41	11.37	10.86	10.38	10.62	9.95	10.42	9.45

Residential Appliances	2008	Base_noEA		Base_inclEA		Base_WM		AM		LPI		HPI		NE	
		2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030
Total Residential Appliances	2.40	3.02	3.59	2.79	3.18	2.75	3.02	2.69	2.70	2.69	2.70	2.50	2.08	2.40	1.78
Electric appliances (excl. IT)	0.33	0.44	0.47	0.33	0.29	0.33	0.29	0.32	0.20	0.32	0.20	0.32	0.20	0.30	0.12
IT-Appliances	0.17	0.29	0.32	0.27	0.29	0.26	0.28	0.26	0.28	0.26	0.28	0.26	0.23	0.26	0.23
Lighting	0.37	0.45	0.49	0.36	0.35	0.36	0.35	0.36	0.34	0.36	0.34	0.33	0.30	0.32	0.28
Cooking, of which	0.14	0.16	0.16	0.15	0.12	0.15	0.12	0.14	0.11	0.14	0.11	0.14	0.10	0.14	0.09
electric	0.13	0.15	0.16	0.14	0.11	0.14	0.11	0.14	0.11	0.14	0.11	0.14	0.09	0.14	0.09
non-electric	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Air conditioning	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Others	1.39	1.67	2.13	1.67	2.13	1.64	1.98	1.60	1.76	1.60	1.76	1.45	1.24	1.38	1.04

Residential Buildings	2008	Base_noEA		Base_inclEA		Base_WM		AM		LPI		HPI		NE	
		2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030
Total Residential Buildings	5.61	5.09	4.53	5.04	4.48	5.04	4.48	4.89	4.31	5.09	4.61	4.80	4.13	4.80	4.13
New buildings	0.00	0.19	0.31	0.19	0.30	0.19	0.30	0.19	0.29	0.19	0.31	0.18	0.28	0.18	0.28
Existing buildings, of which	4.50	3.84	3.28	3.79	3.19	3.79	3.19	3.68	3.07	3.83	3.28	3.62	2.96	3.62	2.96
envelope										-0.04	-0.11	0.19	0.25	0.19	0.25
heating systems										0.00	0.01	0.01	0.03	0.01	0.03
Hot Water	0.63	0.62	0.58	0.62	0.60	0.62	0.60	0.61	0.58	0.63	0.62	0.59	0.55	0.59	0.55

Tertiary Appliances	2008	Base_noEA		Base_inclEA		Base_WM		AM		LPI		HPI		NE	
		2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030
Total Tertiary Appliances	2.10	2.28	2.38	2.16	2.18	2.16	2.18	2.12	2.04	2.00	1.81	1.94	1.62	1.94	1.62
Cooking	0.14	0.11	0.10	0.11	0.10	0.11	0.10	0.11	0.10	0.11	0.10	0.09	0.08	0.09	0.08
Elevators	0.05	0.05	0.04	0.05	0.04	0.05	0.04	0.05	0.04	0.05	0.05	0.05	0.04	0.05	0.04
ICT data centers	0.09	0.15	0.19	0.14	0.18	0.14	0.18	0.14	0.16	0.14	0.16	0.14	0.16	0.14	0.16
ICT office	0.06	0.05	0.05	0.04	0.05	0.04	0.05	0.04	0.05	0.03	0.03	0.03	0.03	0.03	0.03
Lighting	0.92	0.94	0.90	0.87	0.79	0.87	0.79	0.87	0.79	0.78	0.62	0.75	0.49	0.75	0.49
Lighting street	0.12	0.13	0.14	0.13	0.13	0.13	0.13	0.13	0.13	0.11	0.10	0.11	0.10	0.11	0.10
Refrigeration	0.28	0.36	0.41	0.33	0.35	0.33	0.35	0.33	0.34	0.32	0.32	0.32	0.32	0.32	0.32
Ventilation and air-conditioning	0.04	0.06	0.07	0.06	0.07	0.06	0.07	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
Others	0.38	0.43	0.47	0.43	0.47	0.43	0.47	0.42	0.39	0.42	0.39	0.41	0.36	0.41	0.36

Tertiary Buildings	2008	Base_noEA		Base_inclEA		Base_WM		AM		LPI		HPI		NE	
		2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030
Total Tertiary Buildings	1.82	1.78	1.71	1.77	1.64	1.77	1.64	1.71	1.58	1.78	1.69	1.68	1.52	1.68	1.52
New buildings	#NV	0.06	0.11	0.06	0.11	0.06	0.11	0.06	0.11	0.06	0.11	0.06	0.10	0.06	0.10
Existing buildings, of which	#NV	1.47	1.33	1.45	1.28	1.45	1.28	1.41	1.23	1.46	1.32	1.38	1.18	1.38	1.18
envelope										-0.01	-0.02	0.07	0.10	0.07	0.10
heating systems										0.00	0.00	0.00	0.01	0.00	0.01
Hot Water	0.29	0.30	0.30	0.29	0.28	0.29	0.28	0.28	0.27	0.29	0.29	0.28	0.26	0.28	0.26

United Kingdom

Target for 2020 [Mtoe]	
primary energy	final energy
177.60	157.80

United Kingdom, Mtoe, Final Energy Demand

Main sectors	2008	Base_noEA		Base_inclEA		Base_WM		AM		LPI		HPI		NE	
		2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030
All sectors (primary energy)	220.10	205.99	203.21	183.55	170.11	183.40	169.59	178.16	158.35	176.10	153.23	163.37	134.06	162.67	131.13
All sectors (final energy)	153.17	159.15	164.17	141.81	137.43	141.69	137.01	137.64	127.93	136.05	123.79	126.22	108.31	125.68	105.94
Residential sector	47.55	51.80	52.93	47.65	46.88	47.53	46.46	46.15	41.77	46.54	42.13	38.93	31.95	38.63	31.13
Tertiary sector	19.60	19.93	19.05	18.57	17.41	18.57	17.41	18.00	15.78	17.67	15.06	15.80	12.52	15.76	12.36
Transport	53.95	57.98	62.03	46.75	44.06	46.75	44.06	45.08	42.14	44.14	39.83	44.12	37.69	44.12	37.40
Industry	32.06	29.44	30.16	28.85	29.08	28.85	29.08	28.41	28.24	27.71	26.77	27.37	26.15	27.17	25.06

Residential Appliances	2008	Base_noEA		Base_inclEA		Base_WM		AM		LPI		HPI		NE	
		2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030
Total Residential Appliances	8.22	9.80	11.58	8.44	9.20	8.32	8.78	8.11	7.64	8.11	7.64	7.80	6.33	7.50	5.52
Electric appliances (excl. IT)	2.03	2.58	2.85	1.87	1.70	1.87	1.70	1.81	1.14	1.81	1.14	1.81	1.14	1.67	0.73
IT-Appliances	1.10	1.87	2.14	1.71	1.86	1.68	1.82	1.65	1.77	1.65	1.77	1.63	1.49	1.62	1.45
Lighting	0.93	1.08	1.23	0.78	0.74	0.78	0.74	0.77	0.73	0.77	0.73	0.71	0.63	0.70	0.60
Cooking, of which	1.15	1.42	1.55	1.25	1.11	1.25	1.07	1.24	1.05	1.24	1.05	1.23	0.97	1.22	0.93
electric	0.61	0.70	0.76	0.65	0.55	0.65	0.55	0.64	0.53	0.64	0.53	0.63	0.45	0.63	0.44
non-electric	0.54	0.73	0.78	0.60	0.57	0.59	0.52	0.59	0.52	0.59	0.52	0.59	0.52	0.58	0.49
Air conditioning	0.01	0.06	0.11	0.05	0.08	0.05	0.08	0.05	0.08	0.05	0.08	0.05	0.08	0.05	0.07
Others	3.00	2.78	3.70	2.78	3.70	2.70	3.37	2.59	2.87	2.59	2.87	2.38	2.03	2.25	1.72

Residential Buildings	2008	Base_noEA		Base_inclEA		Base_WM		AM		LPI		HPI		NE	
		2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030
Total Residential Buildings	39.33	42.00	41.35	39.21	37.69	39.21	37.69	38.04	34.13	38.43	34.49	31.13	25.61	31.13	25.61
New buildings	0.00	1.85	3.21	1.73	2.92	1.73	2.92	1.68	2.66	1.69	2.68	1.38	2.00	1.38	2.00
Existing buildings, of which	36.34	36.77	34.36	34.34	31.34	34.34	31.34	33.38	28.46	33.66	28.69	27.35	21.42	27.35	21.42
envelope										0.62	2.59	7.17	10.09	7.17	10.09
heating systems										0.07	0.24	0.30	0.97	0.30	0.97
Hot Water	3.64	3.95	4.27	3.69	3.90	3.69	3.90	3.58	3.53	3.61	3.57	2.95	2.68	2.95	2.68

Tertiary Appliances	2008	Base_noEA		Base_inclEA		Base_WM		AM		LPI		HPI		NE	
		2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030
Total Tertiary Appliances	7.92	8.43	8.65	8.09	8.10	8.09	8.10	7.82	7.26	7.41	6.51	7.22	5.95	7.22	5.95
Cooking	0.63	0.49	0.44	0.49	0.44	0.49	0.44	0.49	0.44	0.49	0.44	0.40	0.37	0.40	0.37
Elevators	0.07	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
ICT data centers	0.47	0.67	0.79	0.66	0.76	0.66	0.76	0.65	0.76	0.65	0.75	0.65	0.75	0.65	0.75
ICT office	0.29	0.22	0.23	0.21	0.22	0.21	0.22	0.21	0.22	0.15	0.16	0.15	0.16	0.15	0.16
Lighting	3.08	3.09	2.81	2.86	2.44	2.86	2.44	2.86	2.44	2.57	1.88	2.48	1.51	2.48	1.51
Lighting street	0.23	0.23	0.25	0.23	0.25	0.23	0.25	0.23	0.25	0.20	0.18	0.20	0.18	0.20	0.18
Refrigeration	1.26	1.33	1.30	1.25	1.19	1.25	1.19	1.25	1.19	1.22	1.13	1.22	1.13	1.22	1.13
Ventilation and air-conditioning	0.39	0.61	0.83	0.61	0.83	0.61	0.83	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43
Others	1.51	1.74	1.96	1.74	1.94	1.74	1.94	1.65	1.51	1.65	1.48	1.63	1.37	1.63	1.37

Tertiary Buildings	2008	Base_noEA		Base_inclEA		Base_WM		AM		LPI		HPI		NE	
		2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030
Total Tertiary Buildings	9.62	9.43	8.37	8.46	7.38	8.46	7.38	8.21	6.68	8.30	6.75	6.66	4.95	6.66	4.95
New buildings	#NV	0.35	0.59	0.31	0.52	0.31	0.52	0.30	0.47	0.31	0.48	0.25	0.35	0.25	0.35
Existing buildings, of which	#NV	8.22	6.91	7.37	6.09	7.37	6.09	7.15	5.51	7.23	5.57	5.79	4.08	5.79	4.08
envelope										0.06	0.22	1.58	1.99	1.58	1.99
heating systems										0.01	0.02	0.06	0.19	0.06	0.19
Hot Water	0.76	0.82	0.84	0.74	0.75	0.74	0.75	0.72	0.68	0.73	0.68	0.58	0.50	0.58	0.50

Transport	2008	Base_noEA		Base_inclEA		Base_WM		AM		LPI		HPI		NE	
		2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030
Total Transport	53.95	57.98	62.03	46.75	44.06	46.75	44.06	45.08	42.14	44.14	39.83	44.12	37.69	44.12	37.40
<i>Technical</i>										14.81	13.23	14.81	12.07	14.81	11.91
<i>Modal shift/Infrastructure</i>										14.82	13.53	14.80	13.02	14.81	12.96
<i>Behaviour</i>										14.51	13.07	14.50	12.59	14.50	12.52
Passenger Transport	44.06	47.45	50.65	37.64	35.32	37.64	35.32	36.41	33.95	35.71	32.17	35.70	30.40	35.69	30.33
<i>Road (cars/motocycles)</i>	32.23	33.48	36.18	25.84	24.35	25.84	24.35	24.93	23.37	24.26	21.64	24.24	19.88	24.24	19.81
<i>Road (buses)</i>	1.32	1.32	1.36	1.17	1.10	1.17	1.10	1.02	0.96	0.99	0.91	0.99	0.91	0.99	0.91
<i>Rail</i>	0.36	0.45	0.54	0.36	0.35	0.36	0.35	0.36	0.34	0.36	0.34	0.36	0.34	0.36	0.34
<i>Air</i>	10.15	12.19	12.57	10.26	9.52	10.26	9.52	10.11	9.29	10.10	9.28	10.10	9.27	10.10	9.27
Goods Transport	9.89	10.54	11.38	9.10	8.74	9.10	8.74	8.66	8.19	8.43	7.66	8.43	7.29	8.43	7.06
<i>Road (Light and Heavy Duty Vehicles)</i>	9.34	10.01	10.86	8.58	8.23	8.58	8.23	8.14	7.69	7.91	7.16	7.91	6.79	7.91	6.56
<i>Rail</i>	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
<i>Ship (maritime)</i>	0.51	0.00	0.00	0.50	0.48	0.50	0.48	0.49	0.47	0.49	0.47	0.49	0.47	0.49	0.47
<i>Ship (inland navigation)</i>	0.00	0.50	0.48	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Industry	2008	Base_noEA		Base_inclEA		Base_WM		AM		LPI		HPI		NE	
		2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030
Total Industry	32.06	29.44	30.16	28.85	29.08	28.85	29.08	28.41	28.24	27.71	26.77	27.37	26.15	27.17	25.06
<i>Energy-intensive processes, of which</i>	12.66	9.49	8.85	9.45	8.78	9.45	8.78	9.37	8.63	9.20	8.32	9.12	8.19	9.30	8.02
<i> electricity</i>	2.25	1.59	1.54	1.58	1.52	1.58	1.52	1.56	1.49	1.52	1.41	1.51	1.38	1.52	1.38
<i> fuels</i>	10.41	7.90	7.31	7.87	7.26	7.87	7.26	7.81	7.14	7.68	6.91	7.61	6.81	7.78	6.64
<i>Non energy-intensive processes, of w</i>	19.40	19.95	21.31	19.40	20.30	19.40	20.30	19.04	19.61	18.51	18.44	18.25	17.96	17.87	17.04
<i> electricity</i>	7.60	7.72	8.30	7.46	7.84	7.46	7.84	7.26	7.50	6.95	6.99	6.83	6.81	6.86	6.81
<i> fuels</i>	11.81	12.23	13.01	11.94	12.46	11.94	12.46	11.78	12.11	11.56	11.45	11.41	11.15	11.01	10.23
Specific end-uses	32.06	29.44	30.16	28.85	29.08	28.85	29.08	28.41	28.24	27.71	26.77	27.37	26.15	27.17	25.06
<i>Space heating (total)</i>	3.30	2.45	1.99	2.30	1.73	2.30	1.73	2.22	1.61	2.24	1.60	2.18	1.52	2.03	1.30
<i>Cross-cutting thermal (excl. space he</i>	7.60	8.06	8.69	7.99	8.53	7.99	8.53	7.95	8.35	7.66	7.62	7.59	7.40	7.44	6.85
<i>Cross-cutting electric (motor systems</i>	7.79	7.77	8.26	7.51	7.78	7.51	7.78	7.30	7.41	6.97	6.86	6.84	6.65	6.88	6.65
<i>Process-specific thermal</i>	11.32	9.63	9.64	9.52	9.46	9.52	9.46	9.42	9.30	9.34	9.14	9.26	9.03	9.33	8.72
<i>Process-specific electric</i>	2.05	1.53	1.59	1.53	1.58	1.53	1.58	1.52	1.57	1.51	1.55	1.50	1.54	1.50	1.54
Sub-Sectors	32.06	29.44	30.16	28.85	29.08	28.85	29.08	28.41	28.24	27.71	26.77	27.37	26.15	27.17	25.06
<i>Chemical industry</i>	4.99	5.75	6.13	5.65	5.96	5.65	5.96	5.59	5.83	5.48	5.63	5.43	5.54	5.41	5.45
<i>Engineering and other metal</i>	3.68	3.79	4.41	3.71	4.25	3.71	4.25	3.65	4.14	3.60	4.03	3.56	3.96	3.52	3.91
<i>Food, drink and tobacco</i>	3.25	3.24	3.28	3.15	3.12	3.15	3.12	3.09	3.00	3.01	2.79	2.96	2.70	2.89	2.51
<i>Iron and steel</i>	4.72	2.30	1.61	2.29	1.58	2.29	1.58	2.26	1.54	2.21	1.44	2.18	1.40	2.35	1.23
<i>Non-ferrous metals</i>	0.93	0.31	0.29	0.30	0.28	0.30	0.28	0.30	0.27	0.29	0.26	0.28	0.26	0.28	0.25
<i>Non-metallic mineral products</i>	3.01	2.73	2.73	2.69	2.66	2.69	2.66	2.65	2.59	2.57	2.46	2.53	2.41	2.52	2.37
<i>Other non-classified</i>	8.94	9.02	9.51	8.83	9.16	8.83	9.16	8.71	8.90	8.48	8.36	8.39	8.16	8.21	7.71
<i>Paper and printing</i>	2.54	2.31	2.20	2.22	2.06	2.22	2.06	2.17	1.96	2.07	1.79	2.03	1.72	2.00	1.62

Agriculture/Fishing	2008	Base_noEA		Base_inclEA		Base_WM		AM		LPI		HPI		NE	
		2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030
Total Agriculture/Fishing	0.92	0.89	0.83	0.89	0.83	0.89	0.83	0.89	0.83	0.88	0.79	0.87	0.74	0.84	0.65

non-classified (Other)	2008	Base_noEA		Base_inclEA		Base_WM		AM		LPI		HPI		NE	
		2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030	2020	2030
Total non-classified (Other)	1.13	1.18	1.20	1.13	1.09	1.13	1.09	1.08	1.00	1.09	1.02	1.05	0.88	1.03	0.81