

Southern Corridor

GRIP

ANNEX C: DEMAND DATA

Notes

Demand data in this Annex refer to TSOs contributions sent to ENTSOG in April 2016 and their projections may have, in some cases, changed until the publication date.

Total demand figures, in this Annex, both Daily peak and Yearly, include Non-network demand. This explains the differences of these figures, regarding Italy, with those of TYNDP.

National Production includes bio-methane injection.

In this Annex, contrary to the rest of this document, the point (.) is used as a thousand separator and the comma (,) as a decimal separator.



Daily Demand

TOTAL PEAK DEMAND (in GWh/d)											
Balancing zone	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026
Austria	533	545	604	637	669	677	657	638	618	599	580
Bulgaria	151	163	169	178	185	209	212	221	236	252	252
Croatia	143	182	196	205	216	219	220	223	226	229	236
Greece	228	211	220	220	227	232	231	239	230	236	236
Hungary	665	851	849	868	868	868	863	859	854	850	846
Italy	4.047	5.024	5.040	5.058	5.107	5.163	5.191	5.212	5.217	5.222	5.239
Romania	684	808	808	808	808	808	808	808	808	808	808
Slovakia	297	360	361	362	362	364	365	366	366	369	370
Slovenia	48	47	48	58	60	61	62	63	64	66	67
Total SC	6.796	8.192	8.295	8.395	8.502	8.600	8.610	8.629	8.621	8.630	8.634
Total Europe		33.725	33.932	34.248	34.357	34.382	34.321	34.404	34.356	34.575	34.624

FINAL PEAK DEMAND (in GWh/d)											
Balancing zone	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026
Austria	533	373	433	466	498	506	486	466	447	428	408
Bulgaria	88	93	99	105	108	115	116	119	128	137	134
Croatia	113	154	161	164	168	170	171	173	177	179	183
Greece	86	84	88	91	99	102	105	107	110	112	114
Hungary	603	690	689	689	689	689	685	682	678	675	672
Italy	3.054	3.876	3.843	3.811	3.806	3.801	3.787	3.775	3.758	3.739	3.727
Romania	582	704	704	704	704	704	704	704	704	704	704
Slovakia	288	353	354	355	355	357	358	359	359	361	362
Slovenia	45	45	46	46	47	48	49	50	51	52	53
Total SC	5.391	6.372	6.416	6.431	6.475	6.492	6.462	6.436	6.412	6.388	6.358
Total Europe		27.345	27.351	27.305	27.276	27.274	27.151	27.013	26.933	26.914	26.727

POWER GENERATION PEAK DEMAND (in GWh/d)											
Balancing zone	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026
Austria		171	171	171	171	171	171	171	171	171	171
Bulgaria	63	70	70	73	77	94	96	102	108	115	118
Croatia	31	28	35	42	48	49	49	49	50	50	53
Greece	143	127	132	128	128	130	126	132	120	123	122
Hungary	62	161	160	179	179	179	178	177	176	175	175
Italy	992	1.146	1.195	1.241	1.290	1.349	1.388	1.417	1.434	1.453	1.478
Romania	102	104	104	104	104	104	104	104	104	104	104
Slovakia	9	7	7	7	7	7	7	7	7	7	7
Slovenia	3	2	2	12	12	12	13	13	13	13	14
Total SC	1.404	1.818	1.876	1.957	2.017	2.095	2.132	2.172	2.184	2.213	2.241
Total Europe		6.329	6.528	6.887	7.021	7.045	7.105	7.321	7.348	7.581	7.813

NON NETWORK-PEAK DEMAND (in GWh/d)											
Balancing zone	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026
Italy	1	2	2	6	10	13	16	20	25	30	34
Total SC	1	2	2	6	10	13	16	20	25	30	34
Total Europe		52	52	56	60	63	66	70	75	80	84

Yearly demand

TOTAL DEMAND (in GWh/y)

Balancing zone	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026
Austria	92.822	71.103	71.289	71.474	71.856	71.619	71.578	71.537	71.496	71.455	71.362
Bulgaria	32.514	35.040	36.500	38.325	38.064	41.975	42.705	44.165	44.165	45.260	45.260
Croatia	30.587	25.656	27.367	28.656	30.208	30.471	30.631	30.936	31.297	31.644	32.416
Greece	43.705	37.890	38.429	39.156	39.381	39.609	40.463	40.332	39.165	39.075	40.722
Hungary	102.332	110.317	110.060	112.815	113.107	112.783	112.208	111.627	111.058	110.503	110.001
Italy	739.490	758.096	774.236	790.987	817.035	836.140	852.953	866.706	875.908	886.003	897.356
Romania	112.179	129.892	132.080	134.896	136.086	135.864	136.013	136.163	136.312	136.462	136.612
Slovakia	50.297	55.269	55.442	55.607	55.778	55.948	56.117	56.290	56.305	56.636	56.805
Slovenia	9.300	9.282	9.468	11.782	12.052	12.260	12.505	12.757	13.012	13.271	13.534
Total SC	1.213.226	1.232.544	1.254.870	1.283.698	1.313.567	1.336.669	1.355.175	1.370.512	1.378.719	1.390.310	1.404.067
Total Europe	—	4.778.733	4.839.863	4.902.526	4.961.260	4.993.494	5.035.174	5.068.846	5.089.076	5.151.697	5.185.509

FINAL DEMAND (in GWh/y)

Balancing zone	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026
Austria	92.822	56.222	56.502	56.783	57.220	57.118	57.172	57.227	57.281	57.335	57.337
Bulgaria	18.965	23.360	24.820	26.280	25.254	27.010	27.375	28.105	27.740	27.740	27.740
Croatia	25.404	21.500	22.222	22.522	23.067	23.289	23.389	23.633	23.934	24.222	24.615
Greece	13.248	14.618	15.069	15.479	16.266	16.525	16.940	17.224	17.581	17.881	18.208
Hungary	92.017	86.784	86.763	86.743	86.963	86.710	86.266	85.815	85.375	84.948	84.523
Italy	493.115	517.060	515.872	515.282	518.928	519.432	521.968	524.390	525.411	526.243	527.129
Romania	93.988	120.601	122.640	125.305	126.320	125.974	125.974	125.974	125.974	125.974	125.974
Slovakia	48.691	53.728	53.896	54.057	54.223	54.389	54.553	54.721	54.735	55.057	55.221
Slovenia	9.275	9.227	9.413	9.603	9.823	9.994	10.194	10.399	10.607	10.819	11.034
Total SC	887.524	903.101	907.197	912.054	918.064	920.441	923.833	927.488	928.640	930.220	931.782
Total Europe	—	3.813.943	3.824.068	3.830.676	3.849.850	3.845.783	3.853.071	3.855.754	3.857.492	3.855.236	3.851.457

POWER GENERATION (in GWh/y)

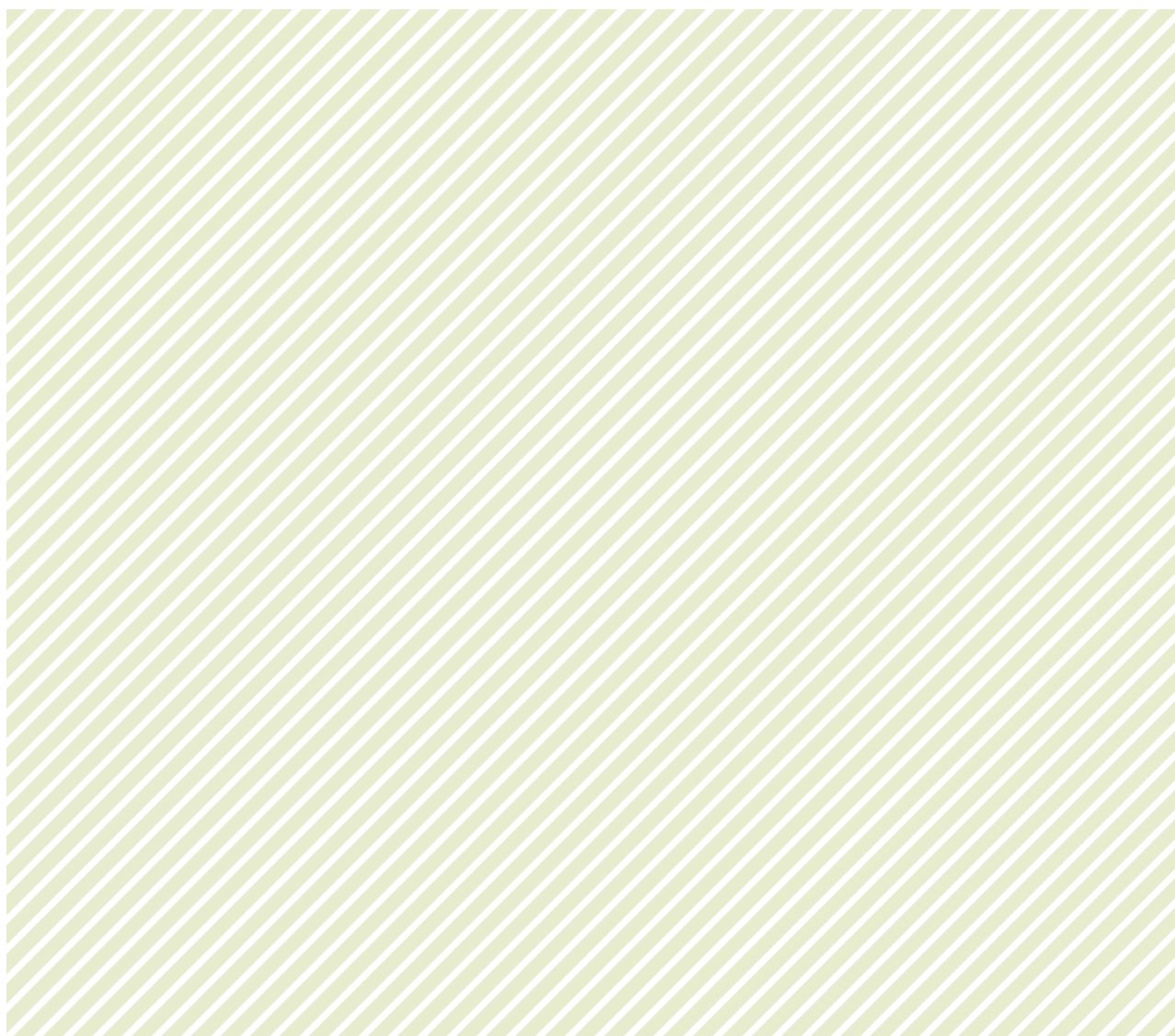
Balancing zone	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026
Austria	—	14.882	14.786	14.691	14.636	14.501	14.406	14.310	14.215	14.120	14.025
Bulgaria	13.549	11.680	11.680	12.045	12.810	14.965	15.330	16.060	16.425	17.520	17.520
Croatia	5.183	4.156	5.144	6.133	7.142	7.182	7.242	7.302	7.362	7.422	7.801
Greece	30.457	23.271	23.359	23.677	23.114	23.084	23.523	23.107	21.584	21.194	22.514
Hungary	10.315	23.532	23.297	26.072	26.144	26.072	25.942	25.812	25.683	25.555	25.478
Italy	246.375	240.427	257.565	273.492	294.440	311.924	325.071	334.850	341.383	348.981	357.780
Romania	18.192	9.291	9.441	9.590	9.766	9.889	10.039	10.188	10.338	10.488	10.637
Slovakia	1.606	1.541	1.546	1.550	1.555	1.560	1.565	1.569	1.570	1.579	1.584
Slovenia	26	55	55	2.179	2.229	2.267	2.310	2.358	2.405	2.453	2.500
Total SC	325.702	328.834	346.873	369.430	391.836	411.444	425.428	435.558	440.966	449.311	459.838
Total Europe	—	953.067	1.003.942	1.058.641	1.096.781	1.132.058	1.165.377	1.194.869	1.211.713	1.274.925	1.310.848

NON-NETWORK (in GWh/y)

Balancing zone	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026
Italy	—	610	799	2.214	3.667	4.784	5.914	7.466	9.114	10.779	12.447
Total SC	—	610	799	2.214	3.667	4.784	5.914	7.466	9.114	10.779	12.447
Total Europe	11.044	11.723	11.853	13.208	14.629	15.654	16.726	18.224	19.871	21.536	23.204

National Production

NATIONAL PRODUCTION (in TWh/y)										
Balancing zone	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026
Austria	10,914	10,914	10,914	10,914	10,914	10,914	10,914	10,914	10,914	10,914
Bulgaria	0,657	0,708	2,018	4,037	7,066	12,114	13,125	14,637	15,345	15,648
Croatia	13,432	11,936	12,228	10,111	9,052	8,505	7,446	6,388	5,804	4,672
Cyprus	0	0	0	0	0	116,800	116,800	116,800	116,800	116,800
Greece	0	0	0	0	0	0	0	0	0	0
Hungary	20,871	16,612	13,477	12,834	10,701	10,173	9,824	9,817	9,515	9,515
Italy	93,112	105,923	105,704	106,799	109,792	112,968	116,216	119,684	123,297	127,020
Romania	102,453	98,085	101,774	164,380	161,003	158,198	154,210	150,233	145,975	142,694
Slovakia	0,880	0,842	0,704	0,566	0,368	0,175	0,174	0,169	0,125	0,099
Slovenia	0	0	0	0	0	0	0	0	0	0
Total SC	242,3	245,0	246,8	309,6	308,9	429,8	428,7	428,6	427,8	427,4
Total Europe	1284,5	1260,9	1241,7	1264,7	1232,3	1212,3	1184,0	1139,8	1093,8	1037,4





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