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GAS REGIONAL INVESTMENT PLAN SOUTHERN CORRIDOR

Based on ENTSOG's TYNDP 2018

ANNEX D

Demand data

SOUTHERN CORRIDOR



DAILY DEMAND

GWh/d	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
Austria	848.91	848.91	848.91	848.91	848.91	848.91	848.91	848.91	848.91	848.91
Bulgaria	176.00	182.00	189.00	210.00	218.00	223.00	243.00	251.00	252.00	253.00
Croatia	187.37	191.00	204.08	209.80	211.46	212.82	214.02	216.22	217.43	222.02
Cyprus	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Greece	218.69	216.38	220.55	224.44	221.91	229.69	220.21	225.21	225.12	225.02
Hungary	739.82	743.45	747.08	750.70	754.33	757.96	761.59	765.21	768.84	772.47
Italy	4,916.11	4,982.91	4,998.77	5,009.06	5,029.15	5,048.51	5,072.86	5,120.35	5,160.08	5,170.92
Romania	667.69	669.17	674.40	675.66	678.84	681.24	682.37	684.88	686.47	687.51
Slovakia	306.83	307.77	307.85	309.63	310.56	311.50	311.60	313.39	314.31	315.25
Slovenia	49.52	50.51	51.52	52.55	53.60	54.68	55.77	56.33	56.90	57.46
Total SC	8,110.95	8,192.08	8,242.16	8,290.75	8,326.77	8,368.30	8,410.32	8,481.50	8,530.07	8,552.56

Table 1: Total Peak Daily Demand

GWh/d	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
Austria	413.38	394.54	375.70	374.90	374.10	373.31	372.51	371.71	370.92	370.12
Bulgaria	93.00	99.00	103.00	109.00	112.00	115.00	128.00	135.00	135.00	135.00
Croatia	166.62	169.69	172.83	174.22	176.25	177.98	179.65	182.13	184.08	188.66
Cyprus	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Greece	86.70	88.07	92.50	94.35	96.19	98.03	99.88	101.72	101.63	101.53
Hungary	631.03	628.94	626.85	624.76	622.67	620.57	618.48	616.39	614.30	612.20
Italy	3770.88	3808.04	3801.92	3798.43	3809.03	3805.89	3806.47	3806.41	3810.46	3800.16
Romania	586.20	587.50	592.10	593.20	596.00	598.10	599.10	601.30	602.70	603.60
Slovakia	299.67	300.58	300.66	302.40	303.31	304.23	304.32	306.07	306.97	307.89
Slovenia	46.61	47.54	48.49	49.46	50.45	51.46	52.49	53.02	53.55	54.08
Total SC	6,094.10	6,123.90	6,114.04	6,120.71	6,140.00	6,144.57	6,160.90	6,173.75	6,179.60	6,173.24

Table 2: Final Peak Daily Demand

GWh/d	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
Austria	347.51	347.51	347.51	347.51	347.51	347.51	347.51	347.51	347.51	347.51
Bulgaria	83.00	83.00	86.00	101.00	106.00	108.00	115.00	116.00	117.00	118.00
Croatia	20.75	21.31	31.25	35.58	35.21	34.84	34.37	34.09	33.35	33.35
Cyprus	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Greece	131.99	128.31	128.05	130.09	125.72	131.66	120.33	123.49	123.49	123.49
Hungary	108.79	114.51	120.23	125.95	131.67	137.39	143.11	148.83	154.55	160.27
Italy	1,145.23	1,174.87	1,196.85	1,210.63	1,220.12	1,242.62	1,266.39	1,313.94	1,349.62	1,370.76
Romania	81.49	81.67	82.30	82.46	82.84	83.14	83.27	83.58	83.77	83.91
Slovakia	7.16	7.19	7.19	7.23	7.25	7.27	7.28	7.32	7.34	7.36
Slovenia	2.91	2.97	3.03	3.09	3.15	3.22	3.28	3.31	3.35	3.38
Total SC	1,928.84	1,961.32	2,002.41	2,043.53	2,059.47	2,095.64	2,120.53	2,178.07	2,219.99	2,248.03

Table 3: Power Generation Peak Daily Demand

YEARLY DEMAND

TWh/y	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
Austria	9.31	9.31	9.31	9.31	9.31	9.31	9.31	9.31	9.31	9.31
Bulgaria	2.01	4.05	6.06	7.07	12.11	13.13	14.64	15.33	15.65	15.66
Croatia	11.94	12.24	10.09	9.06	8.52	7.46	6.37	5.79	4.97	3.70
Cyprus	0.00	0.00	0.00	0.00	116.80	116.80	116.80	116.80	116.80	116.80
Greece	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hungary	9.65	7.22	6.46	5.53	5.11	4.93	4.90	4.65	4.60	4.55
Italy	64.88	61.86	58.98	56.23	53.61	51.12	48.74	46.47	44.30	42.24
Romania	95.80	90.43	86.89	93.90	152.10	147.59	144.72	140.65	138.40	135.85
Slovakia	0.80	0.69	0.55	0.33	0.15	0.15	0.11	0.07	0.07	0.04
Slovenia	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total SC	194.39	185.81	178.34	181.41	357.72	350.47	345.58	339.06	334.10	328.14

Table 4: National production – conventional gas

GWh/y	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
Austria	86,566.00	82,620.00	78,674.00	78,507.00	78,340.00	78,174.00	78,007.00	77,840.00	77,673.00	77,506.00
Bulgaria	37,230.00	38,690.00	39,055.00	41,610.00	43,070.00	44,165.00	44,895.00	44,895.00	45,260.00	45,260.00
Croatia	27,057.45	27,531.95	29,930.00	31,054.20	31,287.80	31,466.65	31,619.95	31,897.35	32,098.10	32,572.60
Cyprus	-	-	-	-	-	-	-	-	-	-
Greece	37,584.05	38,474.65	39,204.65	40,650.05	42,387.45	43,467.85	43,380.25	44,500.80	46,650.65	47,121.50
Hungary	103,859.66	104,368.83	104,878.01	105,387.18	105,896.36	106,405.90	106,915.07	107,424.25	107,933.42	108,442.60
Italy	733,927.40	744,048.85	749,761.10	752,626.35	758,667.10	769,996.70	784,012.70	806,606.20	825,619.05	836,682.20
Romania	112,164.50	112,383.50	113,259.50	113,478.50	114,026.00	114,391.00	114,610.00	115,048.00	115,303.50	115,486.00
Slovakia	49,194.70	49,344.35	49,358.95	49,647.30	49,796.95	49,946.60	49,961.20	50,256.85	50,402.85	50,552.50
Slovenia	9,544.75	9,734.55	9,928.00	10,128.75	10,329.50	10,533.90	10,745.60	10,851.45	10,960.95	11,070.45
Total SC	1,197,128.51	1,207,196.68	1,214,049.21	1,223,089.33	1,233,801.16	1,248,547.60	1,264,146.77	1,289,319.90	1,311,901.52	1,324,693.85

Table 5: Total yearly demand

GWh/y	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
Austria	60,596.20	57,834.00	55,071.80	54,954.90	54,838.00	54,721.80	54,604.90	54,488.00	54,371.10	54,254.20
Bulgaria	23,360.00	24,820.00	24,820.00	25,550.00	26,280.00	27,010.00	27,375.00	27,375.00	27,375.00	27,375.00
Croatia	22,889.15	23,210.35	23,524.25	23,688.50	23,922.10	24,100.95	24,254.25	24,531.65	24,732.40	25,206.90
Cyprus	-	-	-	-	-	-	-	-	-	-
Greece	15,428.55	16,027.15	17,377.65	18,275.55	19,173.45	20,071.35	20,969.25	21,870.80	22,341.65	22,812.50
Hungary	88,587.69	88,293.87	88,000.04	87,706.22	87,412.39	87,118.93	86,825.11	86,531.28	86,237.46	85,943.63
Italy	500,776.35	503,729.20	504,258.45	506,105.35	510,748.15	515,066.10	518,748.95	522,720.15	527,330.10	528,410.50
Romania	95,338.00	95,520.50	96,287.00	96,469.50	96,907.50	97,236.00	97,418.50	97,783.50	98,002.50	98,148.50
Slovakia	47,742.00	47,888.00	47,902.60	48,180.00	48,326.00	48,472.00	48,486.60	48,771.30	48,913.65	49,059.65
Slovenia	9,522.85	9,712.65	9,906.10	10,103.20	10,303.95	10,508.35	10,720.05	10,825.90	10,935.40	11,044.90
Total SC	864,240.79	867,035.72	867,147.89	871,033.22	877,911.54	884,305.48	889,402.61	894,897.58	900,239.26	902,255.78

Table 6: Final yearly demand

GWh/y	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
Austria	25,969.80	24,786.00	23,602.20	23,552.10	23,502.00	23,452.20	23,402.10	23,352.00	23,301.90	23,251.80
Bulgaria	13,870.00	13,870.00	14,235.00	16,060.00	16,790.00	17,155.00	17,520.00	17,520.00	17,885.00	17,885.00
Croatia	4,168.30	4,321.60	6,405.75	7,365.70	7,365.70	7,365.70	7,365.70	7,365.70	7,365.70	7,365.70
Cyprus	-	-	-	-	-	-	-	-	-	-
Greece	22,155.50	22,447.50	21,827.00	22,374.50	23,214.00	23,396.50	22,411.00	22,630.00	24,309.00	24,309.00
Hungary	15,271.97	16,074.97	16,877.97	17,680.97	18,483.97	19,286.97	20,089.97	20,892.97	21,695.97	22,498.97
Italy	233,151.05	240,319.65	245,502.65	246,521.00	247,918.95	254,930.60	265,263.75	283,886.05	298,288.95	308,271.70
Romania	16,826.50	16,863.00	16,972.50	17,009.00	17,118.50	17,155.00	17,191.50	17,264.50	17,301.00	17,337.50
Slovakia	1,452.70	1,456.35	1,456.35	1,467.30	1,470.95	1,474.60	1,474.60	1,485.55	1,489.20	1,492.85
Slovenia	21.90	21.90	21.90	25.55	25.55	25.55	25.55	25.55	25.55	25.55
Total SC	332,887.72	340,160.97	346,901.32	352,056.12	355,889.62	364,242.12	374,744.17	394,422.32	411,662.27	422,438.07

Table 7: Power generation Yearly demand



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