

Centro Nacional de Despacho de Carga (CNDC)
Informe de Operación del SIN (Sistema Interconectado Nacional)
Fecha: 07/04/2020

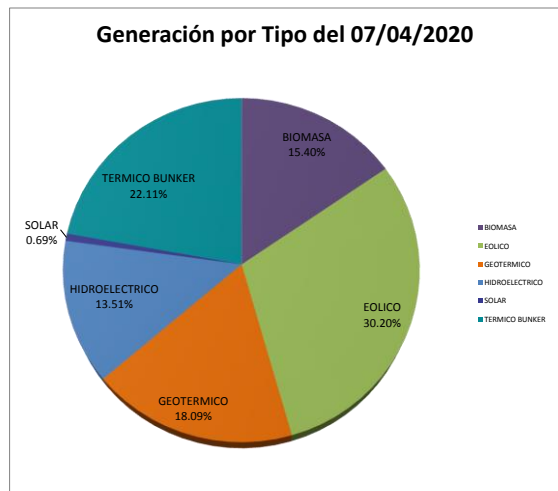
Resumen de Producción de Energía Neta (MWh) del 07/04/2020							
Agente	GGD	Real			Programado		
		Día	Mes	Año	Día	Mes	Año
PCG-PHC-ABR	PCG1	0.0	0.0	0.0	0.0	0.0	0.0
	PCG2	0.0	0.0	0.0	0.0	0.0	0.0
	PCG3	0.0	0.0	5.2	0.0	0.0	0.0
	PCG4	0.0	0.0	0.0	0.0	0.0	0.0
	PCG5	0.0	0.0	0.0	0.0	0.0	0.0
	PCG6	0.0	0.0	39.0	0.0	998.9	1,394.5
	PCG7	0.0	15.9	518.3	0.0	280.2	280.2
	PCG8	0.0	0.0	29.3	0.0	207.2	226.5
	PCG9	0.0	0.0	866.4	0.0	491.8	491.8
	PCG	0.0	15.9	1,458.1	0.0	1,978.1	2,393.1
	PHC1	0.0	0.0	0.0	0.0	0.0	0.0
	PHC2	0.0	0.0	41.2	0.0	0.0	0.0
	PHC	0.0	0.0	41.2	0.0	0.0	0.0
	ABR	497.4	2,587.1	41,772.0	485.3	15,045.0	63,806.0
	TOTAL	497.4	2,644.2	43,415.2	485.3	17,023.1	66,199.1
AMAYO 1	AMY1	808.2	3,261.3	65,891.8	782.6	13,643.0	80,126.0
AMAYO 2	AMY2	465.1	2,064.7	39,643.8	413.9	8,702.4	47,359.4
BLUE POWER	BPB	746.9	3,088.8	60,530.0	744.7	14,324.0	76,315.0
EOLO	EOL	782.8	4,122.9	68,428.5	867.4	17,927.0	78,046.0
EEC	EEC	642.4	4,969.3	46,805.1	708.9	15,055.0	44,842.6
	EEC20				175.8	8,712.6	19,779.7
TOTAL		642.4	4,969.3	46,805.1	884.7	23,767.6	64,622.3
EGERSA	EGR	228.2	3,409.2	44,789.9	442.2	14,424.0	57,040.0
GEOSA	PNI1	652.2	4,707.8	43,174.2	606.3	18,000.0	53,400.0
	PNI2	0.0	0.0	20,410.4	0.0	0.0	18,600.0
TOTAL		652.2	4,707.8	63,584.6	606.3	18,000.0	72,000.0
GESARSA	GSR	0.0	0.0	0.0	0.0	0.0	0.0
GREEN POWER	MTL	334.2	3,513.2	50,488.9	478.8	18,017.0	65,946.0
HIDRO PANTASMA	HPA1	33.2	227.4	7,556.6	0.0	666.8	3,823.1
	HPA2				27.2	666.8	3,823.1
TOTAL		33.2	227.4	7,556.6	27.2	1,333.6	7,646.2
IHSA	PHD	25.7	189.5	4,931.7	0.0	387.7	3,941.6
PCA-PCF	PCA1	502.8	2,508.6	19,935.8	360.0	13,259.0	31,456.3
	PCA2	307.0	2,501.8	12,586.3	360.0	26,518.0	44,715.3
	PCA	809.8	5,010.4	32,522.0	720.0	39,777.0	76,171.6
	PCF1	0.0	0.0	0.0	0.0	4,038.6	6,295.5
	PCF2	311.8	960.7	960.7	120.0	4,038.6	6,295.5
	PCF	311.8	960.7	960.7	120.0	8,077.2	12,590.9
	TOTAL	1,121.6	5,971.0	33,482.7	840.0	47,854.2	88,762.5
PENSA	PEN3	761.9	5,462.9	77,499.0	864.0	9,360.0	80,640.0
	PEN4	659.7	4,718.0	68,025.9	744.0	25,920.0	94,320.0
	TOTAL	1,421.6	10,180.9	145,524.9	1,608.0	35,280.0	174,960.0
PHL	PHL1	149.8	944.3	6,339.9	79.0	3,239.7	9,474.8
	PHL2	145.9	859.5	5,499.7	79.0	3,239.7	9,474.8
TOTAL	295.6	1,803.8	11,839.6	158.0	6,479.3	18,949.6	
PMN	PMN	860.3	4,096.1	107,661.2	588.0	16,604.0	106,229.0
PLB-PMG	PLB1	0.0	0.0	0.0	0.0	0.0	0.0
	PLB2	0.0	0.0	0.0	0.0	0.0	0.0
	PLB	0.0	0.0	0.0	0.0	0.0	0.0
	PMG3	0.0	0.0	0.0	0.0	0.0	0.0
	PMG4	0.0	72.3	529.0	0.0	0.0	0.0
	PMG5	0.0	71.4	528.9	0.0	0.0	0.0
	PMG	0.0	143.7	1,057.9	0.0	0.0	0.0
TOTAL	0.0	143.7	1,057.9	0.0	0.0	0.0	
CENSA	CEN	53.9	1,591.4	11,314.7	64.0	7,465.3	12,007.0
MONTE ROSA	MTR	668.3	4,497.3	65,117.7	615.6	20,160.0	79,224.0
NSEL	NSL	451.8	3,559.3	51,300.6	524.4	14,400.0	67,512.0
PMT	PMT1	0.0	60.0	814.4	0.0	13,277.3	51,621.1
	PMT2	417.1	2,980.5	41,306.6	408.0	0.0	0.0
	PMT3	138.1	1,029.0	13,338.4	139.2	4,002.7	16,010.9
	TOTAL	555.2	4,069.5	55,459.4	547.2	17,280.0	67,632.0
SOLARIS	PSL	75.1	476.0	6,549.3	61.8	1,861.8	7,711.2
TPC	TPC	207.1	2,568.4	19,727.4	335.4	12,780.0	37,668.4
TOTAL		10,926.8	71,155.6	1,005,101.5	11,075.4	327,714.0	1,279,897.2

Resumen de Producción de Energía Neta (MWh) por Tipo del 07/04/2020						
Tipo Recurso	Real			Programado		
	Día	Mes	Año	Día	Mes	Año
BIOMASA	1,682.6	14,979.0	211,697.1	2,061.0	67,001.0	269,722.0
EOLICO	3,300.4	15,124.8	276,266.2	3,293.9	69,641.4	345,652.4
GEOTERMICO	1,976.7	14,250.4	200,984.3	2,155.2	52,560.0	242,592.0
HIDROELECTRICO	1,476.1	8,191.7	57,810.6	1,025.2	56,054.8	119,299.9
SOLAR	75.1	476.0	6,549.3	61.8	1,861.8	7,711.2
TERMICO BUNKER	2,415.8	18,092.6	251,608.9	2,478.4	80,595.0	294,919.7
TERMICO DIESEL	0.0	41.2	185.1	0.0	0.0	0.0
TOTAL	10,926.8	71,155.6	1,005,101.5	11,075.4	327,714.0	1,279,897.2

Balance de Energía Neta (MWh) del 07/04/2020			
Energía	Día	Mes	Año
Interconexión Neta	-76.3	16.8	-713.1
AMY-L9030	714.4	-1,660.8	46,768.8
TCPI-L9150	393.0	-1,892.0	25,542.3
LNI-L9040	521.6	9,521.6	83,738.2
SND-L9090	310.7	8,539.8	60,198.6
Generación	10,926.8	71,155.6	1,005,101.5
No Servida	3.8	209.8	1,975.0
Demanda Neta	12,870.2	85,874.0	1,223,324.5

Comportamiento de la Demanda (MW) del 07/04/2020			
Potencia Máxima	Día	Mes	Año
Real	661.5	661.5	689.0
Fecha y Hora	07/04/2020 19:00	07/04/2020 19:00	04/03/2020 14:00
Calculada	661.5	661.5	689.0
Fecha y Hora	07/04/2020 19:00	07/04/2020 19:00	04/03/2020 14:00
Programado	651.5	690.3	717.2
Fecha y Hora	07/04/2020 19:00	04/2020	03/2020

Resumen del Mercado Eléctrico Regional (MER) del 07/04/2020			
Agente	Real		
	Día	Mes	Año
Resumen de Ventas (MWh)			
TOTAL	0.00	0.00	0.00
Resumen de Compras (MWh)			
BLUEFIELDS	2,016.00	14,112.00	200,706.00
CCN	0.00	2.40	491.91
DISNORTE	0.00	137.07	5,772.51
DISSUR	0.00	132.74	5,497.74
HOLCIM	0.00	0.00	466.76
MULUKUKU	0.00	28.54	1,177.03
SIUNA	0.00	79.04	2,849.14
TOTAL	2,016.00	14,491.79	216,961.09



Precio Promedio (US\$/Bbl.)		
Combustible	Día	Año
Bunker	22.4	38.0
Diesel	35.4	61.8

Disponibilidad y Costo Variable Semanal hasta 04/08/2020 07:00			
GGD	Instalada	Real	Costo
	MW		US\$/MWh
ABR	41.6	20.7	0.0
AMY1	41.9	39.9	0.0
AMY2	24.3	21.0	0.0
CEN	57.0	51.0	51.6
EEC	53.5	50.0	46.6
EEC20	21.3	21.3	44.7
EGR	39.0	38.0	21.7
EOL	46.2	40.3	0.0
GSR	5.4	0.0	48.0
HPA1	7.2	0.0	47.0
HPA2	7.2	0.0	47.0
MTL	42.5	0.0	44.7
MTR	38.5	27.0	50.0
NSL	33.0	23.0	34.2
PBP	41.6	31.6	0.0
PCA1	25.0	25.0	43.2
PCA2	25.0	25.0	43.2
PCF1	25.0	0.0	44.5
PCF2	25.0	25.0	44.5
PCG1	19.2	19.2	54.1
PCG2	19.2	19.2	54.6
PCG3	19.2	18.8	53.7
PCG4	19.2	19.2	57.2
PCG5	18.6	18.6	57.8
PCG6	12.9	11.1	45.9
PCG7	38.0	32.7	48.7
PCG8	25.3	24.5	49.0
PCG9	45.3	39.9	47.6
PCHN	15.0		
PEN3	36.0	36.0	136.2
PEN4	36.0	31.0	132.2
PHC1	15.0	13.3	88.1
PHC2	45.0	39.5	88.1
PHL1	8.8	8.8	44.5
PHL2	8.8	8.8	44.5
PLB1	23.0	0.0	152.1
PLB2	35.0	0.0	113.3
PMG3	42.0	0.0	61.3
PMG4	5.5	5.2	53.9
PMG5	5.5	5.2	52.9
PMN	140.0	138.3	49.7
PMT1	30.0	0.0	106.9
PMT2	30.0	17.0	106.9
PMT3	7.0	5.8	106.9
PNI1	47.3	50.0	49.6
PNI2	47.4	50.0	51.3
PSL	12.4	3.3	0.0
TPC	50.9	50.9	47.9
TOTAL	1,457.4	1,104.9	--

Fuera de servicio por resolución del INE
Mantenimiento
Reducción por restricción de Planta
Generación no despachable
Reducción por calidad y seguridad
Fuera de Servicio y Disponible en Standby Frio
Control de AGC
Indisponibilidad o Restricción del Recurso de Generación

Combustible (Miles Gls.) del 07/04/2020								
GGD	Consumo*			Recibido			Inventario	Precio (US\$/Bbl.)**
	Día	Mes	Año	Día	Mes	Año		
BUNKER	143.5	1,185.0	16,394.1	99.2	947.5	16,667.9	9,792.7	16.5
CEN	4.1	104.6	761.3	0.0	15.5	743.9	852.9	16.5
EEC	42.3	301.8	2,879.6	0.0	0.0	2,936.1	1,556.5	23.5
EEC20								23.5
GSR	0.0	0.0	0.0	0.0	0.0	0.0	64.6	23.6
PCG1	0.0	0.0	0.0	0.0	0.0	0.0	249.3	34.6
PCG2	0.0	0.0	0.0	0.0	0.0	0.0	236.9	26.1
PCG3	0.0	0.0	0.0	0.0	0.0	0.0	497.4	25.5
PCG4	0.0	0.0	0.0	0.0	0.0	0.0	239.6	26.1
PCG5	0.0	0.0	0.0	0.0	0.0	0.0	249.3	34.6
PCG6	0.0	0.0	1.2	0.0	0.0	0.0	655.1	24.5
PCG7	0.0	0.0	25.2	0.0	0.0	0.0	24.5	24.5
PCG8	0.0	0.0	0.2	0.0	0.0	0.0	457.4	23.7
PCG9	0.0	0.0	40.0	0.0	0.0	23.5	465.1	24.4
PCG	0.0	0.0	66.7	0.0	0.0	23.5	2,800.8	26.2
PMG3	0.0	0.0	0.0	0.0	0.0	0.0		16.5
PMG4	0.0	4.5	34.2	0.0	0.0	0.0	243.8	16.5
PMG5	0.0	4.5	34.6	0.0	0.0	0.0		16.5
PMG	0.0	9.0	68.7	0.0	0.0	0.0	243.8	16.5
PNI1	51.2	368.2	3,401.9	75.0	630.9	5,178.8	580.1	16.5
PNI2	0.0	0.0	1,595.7					16.5
PNI	51.2	368.2	4,997.6	75.0	630.9	5,178.8	580.1	16.5
TPC	12.7	157.8	1,211.8	24.2	120.8	737.0	792.1	16.5
PMN	33.1	243.6	6,408.4	0.0	180.3	7,048.6	2,901.9	25.6
DIESEL	0.9	10.6	94.9	0.0	11.3	159.7	554.1	35.4
PCG1	0.0	0.0	0.3	0.0	0.0	0.0	39.2	35.4
PCG2	0.0	3.8	4.4	0.0	0.0	0.0	23.6	35.4
PCG3	0.0	0.1	1.2	0.0	3.9	3.9	14.5	35.4
PCG4	0.0	0.0	0.6					35.4
PCG5	0.0	0.0	0.5	0.0	0.0	0.0	28.2	35.4
PCG6	0.0	0.1	1.7					35.4
PCG7	0.0	1.2	10.3	0.0	0.0	15.4	43.4	35.4
PCG8	0.0	0.0	2.3	0.0	0.0	0.0	34.6	35.4
PCG9	0.0	0.1	16.3	0.0	0.0	7.4	39.1	35.4
PCG	0.0	5.3	37.7	0.0	3.9	26.7	222.7	35.4
PHC2	0.0	2.7	11.6	0.0	7.4	7.4	99.0	35.4
PHC1	0.0	0.0	0.1					35.4
PHC	0.0	2.7	11.7	0.0	0.0	0.0	50.3	35.4
PLB1	0.0	0.0	0.0					35.4
PLB2	0.0	0.0	0.0					35.4
PLB	0.0	0.0	0.0	0.0	0.0	0.0	50.3	35.4
PMG4	0.0	0.0	0.0	0.0	0.0	0.0	3.8	35.4
PMG	0.0	0.0	0.0	0.0	0.0	0.0	3.8	35.4
PMN	0.9	2.6	45.5	0.0	0.0	125.6	178.4	35.4

* El Consumo totaliza el consumo por Generación y Calentamiento.
** El Precio incluye el Cargo de Transporte.

Información de Despejes del 08/04/2020			
Agente	Lugar de Trabajo	Desde	Hasta
ENATREL	Acople (Bahía) MSY 230 A902	07/04/2020 08:00	08/04/2020 16:00
ENATREL	Barra (Bahía) LNI 230 B901	07/04/2020 08:00	08/04/2020 16:00
GREEN POWER	Unidad Generadora (Termoeléctrica) MTL 13.8 U1	07/04/2020 20:00	14/04/2020 20:00
ENATREL	Línea L9070 Torre 60	08/04/2020 08:15	08/04/2020 16:30
ENATREL	Subestacion EVJ	08/04/2020 09:30	08/04/2020 10:30
AMAYO 1	Transformador (Bahía) AMY 13.8 T301	08/04/2020 09:39	08/04/2020 18:00
TPC	Unidad Generadora (Termoeléctrica) PTP 13.8 U4	08/04/2020 22:10	08/04/2020 22:50

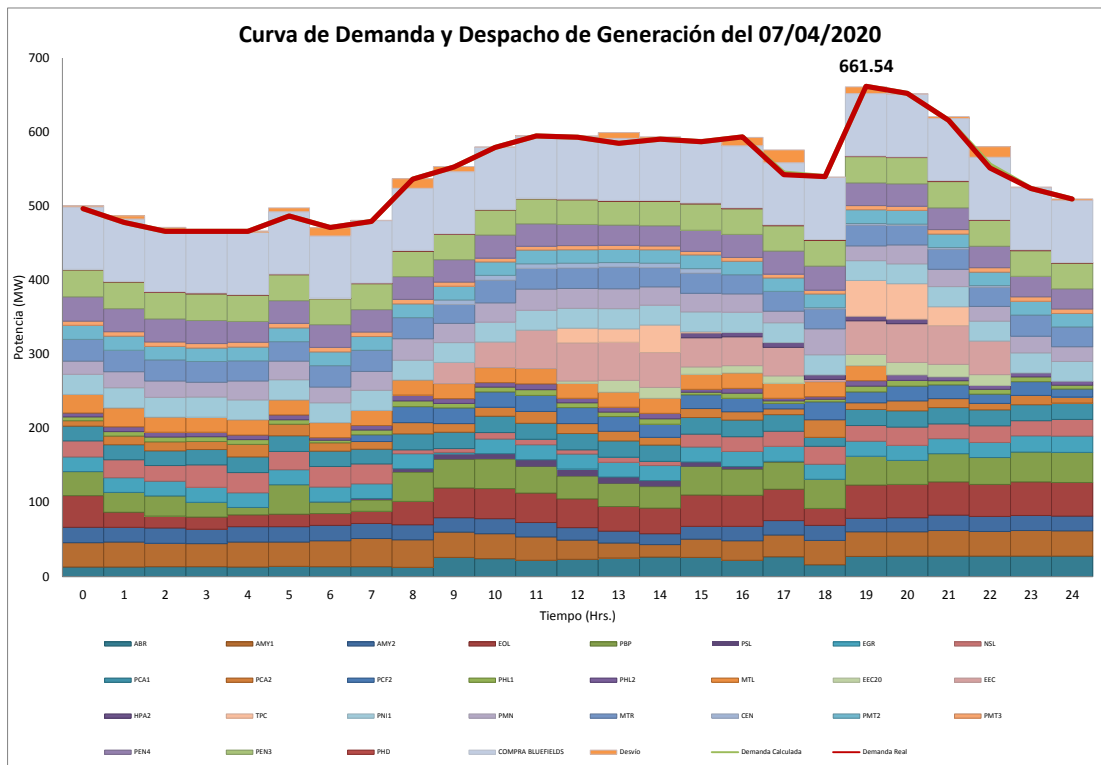
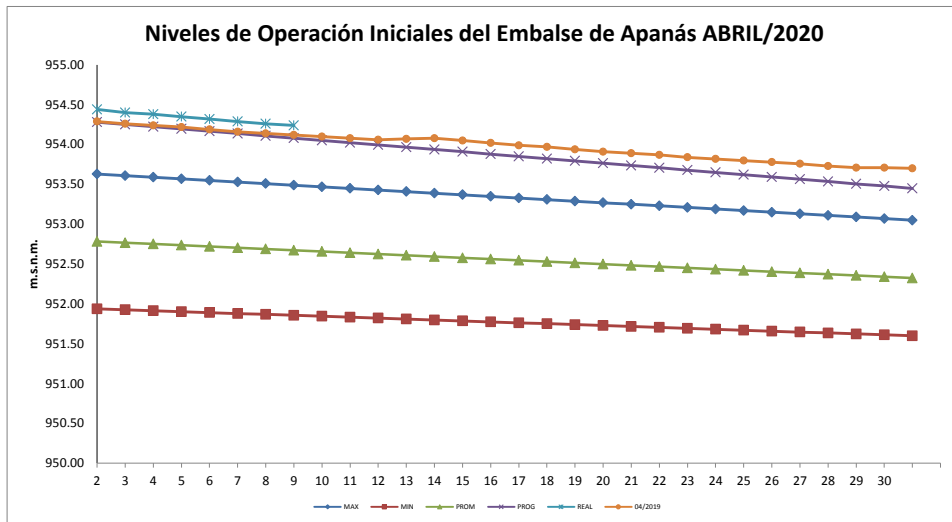
Centro Nacional de Despacho de Carga (CNDC)
Informe de Operación del SIN (Sistema Interconectado Nacional)
Fecha: 07/04/2020

Balance Hidrológico						
07/04/2020						
Embalse	APANAS	ASTURIAS	LA VIRGEN	PANTASMA	LARREYNAGA	UNIDAD
Generación Programada	720.000	N/A	120.000	27.200	158.000	MWh
Generación Real	809.790		311.770	33.220	295.610	MWh
Consumo de Agua	1.640	0.240	0.000	0.040	0.000	MMC
Volumen no Turbinado	0.000	N/A				MMC
Nivel Programado	954.109	N/A				m.s.n.m
Nivel Inicial	954.260	926.940	439.810	841.550	681.870	m.s.n.m
Volumen Inicial	328.530	5.270	23.640	0.230	0.130	MMC
Aporte Natural	0.500	0.020	0.000	0.030	0.000	MMC
Extracción	0.000	0.000	-1.430	0.000	0.000	MMC
Aporte Bombeo	0.240	N/A				MMC
Aporte Total	0.730	0.020	-1.430	0.030	0.000	MMC
Nivel Final	954.240	926.850	439.840	841.530	681.730	m.s.n.m
Volumen Final	327.620	5.050	22.200	0.230	0.130	MMC
Derrame	0.000	0.000	0.000	0.000	0.000	MMC
abr-20						
Generación Programada	5,074.000	N/A	255.000	176.800	1,036.000	MWh
Generación Real	5,010.380		960.660	227.390	1,803.770	MWh
Consumo de Agua	8.620	0.240	1.350	0.240	6.120	MMC
Volumen no Turbinado	0.000	N/A				MMC
Aporte Natural	0.500	0.160	0.000	0.260	6.140	MMC
Extracción	-1.220	0.000	-3.340	0.000	0.000	MMC
Aporte Bombeo	0.240	N/A				MMC
Aporte Total	-0.480	0.160	-3.340	0.260	6.140	MMC
Derrame	0.000	0.000	0.000	0.000	0.000	MMC
2020						
Generación Programada	30,501.650	N/A	255.000	5,177.950	8,808.360	MWh
Generación Real	32,522.030		960.660	7,556.640	11,839.550	MWh
Consumo de Agua	54.290	4.940	1.350	8.080	51.450	MMC
Volumen no Turbinado	0.000	N/A				MMC
Aporte Natural	34.910	6.880	0.000	8.450	51.460	MMC
Extracción	-4.280	-0.360	-47.640	-0.370	0.000	MMC
Aporte Bombeo	4.940	N/A				MMC
Aporte Total	35.570	6.530	-47.450	8.080	51.460	MMC
Derrame	0.000	0.000	0.190	0.000	0.000	MMC

*MMC = Millones de Metros Cúbico = 1,000,000 m3

N/A (No Aplica)

Niveles de Operación Iniciales de APANAS (m.s.n.m)						
04/2020						04/2019
Dia	MAX	MIN	PROM	PROG	REAL	HISTORICO
1	953.63	951.938	952.784	954.281	954.44	954.29
2	953.610	951.927	952.768	954.253	954.400	954.260
3	953.590	951.915	952.753	954.224	954.380	954.240
4	953.570	951.903	952.737	954.195	954.350	954.220
5	953.550	951.892	952.721	954.167	954.320	954.190
6	953.530	951.880	952.705	954.138	954.290	954.160
7	953.510	951.868	952.689	954.109	954.260	954.140
8	953.490	951.857	952.673	954.081	954.240	954.120
9	953.470	951.845	952.658	954.052		954.100
10	953.450	951.833	952.642	954.023		954.080
11	953.430	951.822	952.626	953.995		954.060
12	953.410	951.810	952.610	953.966		954.070
13	953.390	951.798	952.594	953.937		954.080
14	953.370	951.787	952.578	953.909		954.050
15	953.350	951.775	952.563	953.880		954.020
16	953.330	951.763	952.547	953.851		953.990
17	953.310	951.752	952.531	953.823		953.970
18	953.290	951.740	952.515	953.794		953.940
19	953.270	951.728	952.499	953.765		953.910
20	953.250	951.717	952.483	953.737		953.890
21	953.230	951.705	952.468	953.708		953.870
22	953.210	951.693	952.452	953.679		953.840
23	953.190	951.682	952.436	953.651		953.820
24	953.170	951.670	952.420	953.622		953.800
25	953.150	951.658	952.404	953.593		953.780
26	953.130	951.647	952.388	953.565		953.760
27	953.110	951.635	952.373	953.536		953.730
28	953.090	951.623	952.357	953.507		953.710
29	953.070	951.612	952.341	953.479		953.710
30	953.050	951.600	952.325	953.450		953.700



Hora	Notas
19:00	Demanda Máxima 661.54 MW.
22:00	PNS (Potencia No Suministrada): 4 MW. Poste dañado.