

Centro Nacional de Despacho de Carga (CNDC)
Informe de Operación del SIN (Sistema Interconectado Nacional)
 Fecha: 22/05/2018

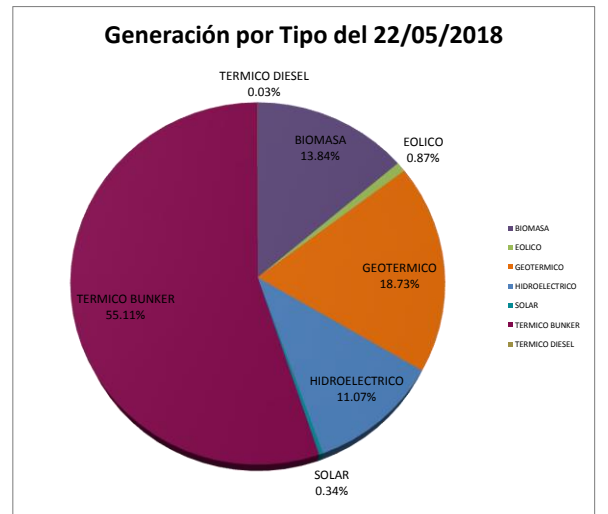
Resumen de Producción de Energía Neta (MWh) del 22/05/2018							
Agente	GGD	Real			Programado		
		Día	Mes	Año	Día	Mes	Año
ALBANISA	PCG1	72.0	996.1	1,953.0	166.4	1,152.8	2,189.1
	PCG2	47.2	483.1	840.8	145.9	807.9	1,514.7
	PCG3	144.6	1,091.6	2,000.4	189.2	1,795.4	5,440.7
	PCG4	25.8	137.5	306.8	103.7	131.3	223.2
	PCG5	13.8	82.2	178.3	15.4	66.5	156.5
	PCG6	273.4	3,517.3	14,715.2	186.2	2,058.6	13,451.8
	PCG7	695.6	11,521.5	47,332.7	685.6	10,550.0	41,092.8
	PCG8	292.7	2,653.0	7,048.1	316.2	4,659.3	15,981.6
	PCG9	660.4	8,278.4	27,767.8	668.6	9,971.3	36,373.3
	PCG	2,225.4	28,760.7	102,143.2	2,477.1	31,193.1	116,423.6
	PHC1	0.0	1.2	2.9	0.0	0.0	0.0
	PHC2	3.4	331.7	921.7	0.0	0.1	0.1
	PHC	3.4	332.9	924.6	0.0	0.1	0.1
	ABR	40.8	6,003.3	76,428.7	0.3	11,543.0	88,574.0
	TOTAL	2,269.7	35,096.9	179,496.6	2,477.4	42,736.1	204,997.7
AMAYO 1	AMY1	5.5	5,389.5	85,032.2	35.9	11,992.0	91,136.0
AMAYO 2	AMY2	1.0	2,749.8	50,044.0	23.4	7,606.1	52,108.4
BLUE POWER	PBP	35.4	5,130.3	86,619.3	30.6	11,427.0	83,392.0
EOLO	EOL	23.0	6,965.4	107,475.8	101.8	16,067.0	110,357.0
EEC	EEC				1,096.4	32,557.0	109,205.6
	EEC20	714.7	23,077.6	103,724.4	0.0	7,932.7	25,262.1
	TOTAL	714.7	23,077.6	103,724.4	1,096.4	40,489.7	134,467.7
GEOSA	PN1	629.4	13,826.5	77,846.4	618.9	18,649.0	81,649.0
	PN2	0.0	0.0	10,962.0	0.0	0.0	9,000.0
	TOTAL	629.4	13,826.5	88,808.4	618.9	18,649.0	90,649.0
GESARSA	GSR	0.0	0.0	0.0	0.0	0.0	
GREEN POWER	MTL	770.6	15,084.7	90,900.9	570.0	25,296.0	92,695.0
HIDRO PANTASMA	HPA1	105.7	1,438.0	16,215.4	0.0	1,102.4	5,571.2
	HPA2				94.3	1,102.4	5,571.2
	TOTAL	105.7	1,438.0	16,215.4	94.3	2,204.8	11,142.4
IHSA	PHD	49.6	585.0	6,928.0	0.0	1,295.4	5,646.4
	PCA1	0.0	0.0	24,208.9	0.0	0.0	34,488.5
	PCA2	420.6	9,502.8	51,746.9	456.0	14,880.0	63,768.5
PCA-PCF	PCA	420.6	9,502.8	75,955.8	456.0	14,880.0	98,257.0
	PCF1	541.1	6,691.3	22,504.3	324.0	9,664.5	27,718.0
	PCF2	0.0	6,594.4	23,283.4	324.0	9,664.5	27,718.0
	PCF	541.1	13,285.7	45,787.7	648.0	19,329.0	55,436.0
	TOTAL	961.8	22,788.5	121,743.5	1,104.0	34,209.0	153,693.0
PENSA	PEN3	863.4	19,055.7	97,523.6	864.0	23,808.0	101,088.1
	PEN4	743.9	16,454.8	95,079.3	744.0	23,808.0	115,200.0
	TOTAL	1,607.3	35,510.5	192,602.9	1,608.0	47,616.0	216,288.1
PHL	PHL1	67.9	3,803.2	22,891.3	165.5	2,529.4	24,022.7
	PHL2	165.4	3,651.3	20,915.8	165.5	2,529.4	24,022.7
	TOTAL	233.3	7,454.5	43,807.2	331.0	5,058.7	48,045.3
AGSA	PMN	1,256.3	21,785.6	106,889.2	1,394.6	34,670.0	122,648.0
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	54.2	501.7	1,047.6	62.3	489.6	1,798.5
	PMG5	54.0	444.5	999.9	67.2	560.9	2,861.7
	PMG	108.3	946.2	2,047.5	129.5	1,050.5	4,660.2
TOTAL	108.3	946.2	2,047.5	129.5	1,050.5	4,660.2	
CENSA	CEN	800.4	10,625.7	28,505.0	772.8	978.4	37,022.9
MONTE ROSA	MTR	586.1	13,999.5	95,466.5	638.4	19,344.0	97,104.0
NSEL	NSL	331.5	7,886.8	84,390.6	228.0	11,160.0	97,560.0
PMT	PMT1	528.0	9,880.0	43,774.0	408.0	12,365.3	65,474.4
	PMT2	0.0	0.0	21,350.0	0.0	0.0	0.0
	PMT3	148.9	3,062.8	17,971.9	134.4	4,002.7	20,013.6
	TOTAL	676.9	12,942.8	83,095.9	542.4	16,368.0	85,488.0
SOLARIS	PSL	41.6	1,224.1	8,792.5	40.4	2,725.5	14,790.1
TPC	TPC	985.2	21,719.7	111,212.0	1,107.8	31,471.0	123,048.0
TOTAL		12,193.1	266,227.7	1693,797.7	12,945.7	382,414.3	1876,939.2

Resumen de Producción de Energía Neta (MWh) por Tipo del 22/05/2018						
Tipo Recurso	Real			Programado		
	Día	Mes	Año	Día	Mes	Año
BIOMASA	1,688.1	36,971.1	270,757.9	1,436.4	55,800.0	287,359.0
EOLO	105.7	26,238.4	405,600.0	192.1	58,635.1	425,567.4
GEOTERMICO	2,284.2	48,453.3	275,698.8	2,150.4	63,984.0	301,776.1
HIDROELECTRICO	1,350.3	32,266.0	188,694.1	1,529.3	42,767.9	218,527.2
SOLAR	41.6	1,224.1	8,792.5	40.4	2,725.5	14,790.1
TERMICO BUNKER	6,719.7	120,742.0	543,329.7	7,597.1	158,501.7	628,919.4
TERMICO DIESEL	3.4	332.9	924.6	0.0	0.1	0.1
TOTAL	12,193.1	266,227.7	1693,797.7	12,945.7	382,414.3	1876,939.2

Balance de Energía Neta (MWh) del 22/05/2018			
Energía	Día	Mes	Año
Interconexión Neta	-34.7	-226.8	-1,317.1
AMY-L9030	-666.7	-7,121.4	808.0
TCPI-L9150	-803.9	-2,317.1	98,600.0
LNI-L9040	765.8	8,806.0	195.1
SND-L9090	835.3	11,469.1	-5,157.6
Generación	12,193.1	244,442.1	1586,908.5
No Servida	21.8	518.5	3,096.2
Demanda Neta	12,345.3	255,797.2	1684,450.2

Comportamiento de la Demanda (MW) del 22/05/2018			
Potencia Máxima	Día	Mes	Año
Real	636.2	715.4	715.4
Fecha y Hora	22/05/2018 19:00	04/05/2018 19:00	04/05/2018 19:00
Calculada	636.2	721.8	721.8
Fecha y Hora	22/05/2018 19:00	04/05/2018 19:00	04/05/2018 19:00
Programado	675.6	730.8	733.9
Fecha y Hora	22/05/2018 19:00	05/2018	03/2018

Resumen del Mercado Eléctrico Regional (MER) del 22/05/2018				
Agente	Real			Año
	Día	Mes	Año	
Resumen de Ventas (MWh)				
TOTAL	0.00	0.00	0.00	
Resumen de Compras (MWh)				
BLUEFIELDS	70.00	794.34	9,515.29	
CCN	1.10	213.29	2,600.14	
DISNORTE	0.00	3,838.67	31,658.23	
DISSUR	0.00	4,955.11	34,901.53	
EEC20	6.99	292.50	4,099.88	
MULUKUKU	30.00	356.07	3,788.38	
SIUNA	57.00	584.20	8,443.84	
ZFLP	0.00	29.16	755.29	
TOTAL	165.09	11,063.34	95,762.58	



Precio Promedio (US\$/Bbl.)		
Combustible	Día	Año
Bunker	73.4	56.6
Diesel	88.7	78.6

Disponibilidad y Costo Variable Semanal hasta 05/23/2018 07:00			
GGD	Instalada	Real	Costo
	MW		US\$/MWh
ABR	41.6	0.0	0.0
AMY1	41.9	3.4	0.0
AMY2	24.3	2.0	0.0
CEN	57.0	48.0	124.3
EEC	51.4	51.4	123.2
EEC20	18.5	0.0	117.2
EOL	46.2	3.6	0.0
GSR	5.4	0.0	122.1
HPA1	7.2	0.0	120.1
HPA2	7.2	0.0	120.1
MTL	42.5	25.0	118.5
MTR	38.5	24.0	112.1
NSL	33.0	10.0	125.4
PBP	41.6	1.2	0.0
PCA1	25.0	0.0	109.0
PCA2	25.0	25.0	109.0
PCF1	25.0	21.7	111.1
PCF2	25.0	21.7	111.1
PCG1	19.2	19.2	131.1
PCG2	19.2	19.2	131.5
PCG3	19.2	18.6	130.7
PCG4	19.2	19.2	133.0
PCG5	18.6	16.2	133.6
PCG6	12.9	7.9	118.9
PCG7	38.0	29.9	125.4
PCG8	25.3	21.3	122.7
PCG9	45.3	35.2	122.5
PCHN	15.0		
PEN3	36.0	36.0	98.6
PEN4	36.0	31.0	95.7
PHC1	15.0	13.3	176.8
PHC2	45.0	39.5	176.8
PHL1	8.5	8.5	110.1
PHL2	8.5	8.5	110.1
PLB1	23.0	0.0	288.5
PLB2	35.0	0.0	217.8
PMG3	42.0	0.0	165.6
PMG4	5.5	5.2	127.3
PMG5	5.5	5.2	125.7
PMN	75.0	70.0	121.5
PMT1	30.0	19.0	100.7
PMT2	30.0	0.0	100.7
PMT3	7.0	5.6	100.7
PNI1	50.0	50.0	139.3
PNI2	50.0	50.0	144.1
PSL	12.4	3.2	0.0
TPC	50.9	50.9	115.7
TOTAL	1,353.3	819.5	--

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 22/05/2018								
GGD	Consumo*			Recibido			Inventario	Precio (US\$/Bbl.)**
	Día	Mes	Año	Día	Mes	Año		
BUNKER	416.6	7,519.9	34,120.1	244.4	6,278.6	35,334.5	8,084.7	66.3
CEN	50.0	673.3	1,868.0	0.0	465.1	1,628.5	634.4	66.9
EEC								73.3
EEC20	43.6	1,400.2	6,213.6	38.8	1,224.2	4,646.1	1,648.2	73.3
GSR	0.0	0.0	0.0	0.0	0.0	4.1	64.6	73.4
PCG1	3.6	51.0	95.0	0.0	41.2	52.7	190.9	75.6
PCG2	2.0	22.7	38.3	0.0	0.0	11.7	202.3	75.9
PCG3	7.7	57.9	98.8	0.0	0.0	76.6	295.5	75.3
PCG4	1.0	5.7	11.8					75.9
PCG5	0.3	3.0	5.9	0.0	0.0	0.0	213.7	75.9
PCG6	9.0	212.9	889.1					74.3
PCG7	52.7	731.7	2,892.9	76.4	834.5	3,560.5	527.2	74.3
PCG8	18.1	150.4	370.2	0.0	60.3	293.5	269.4	73.5
PCG9	40.2	487.9	1,571.6	64.6	535.0	1,512.8	390.0	74.2
PCG	134.6	1,723.2	5,973.5	141.0	1,471.0	5,507.7	2,088.9	75.0
PMG3	0.0	0.0	0.0	0.0	0.0	0.0		71.7
PMG4	3.3	31.5	65.4	0.0	0.0	0.0	338.6	72.6
PMG5	3.3	28.5	64.6	0.0	0.0	0.0		72.6
PMG	6.6	60.0	130.0	0.0	0.0	0.0	338.6	72.3
PNI1	49.6	1,089.9	6,136.1					73.2
PNI2	0.0	0.0	893.6	0.0	1,018.3	8,321.3	1,797.6	73.2
PNI	49.6	1,089.9	7,029.8	0.0	1,018.3	8,321.3	1,797.6	73.2
TPC	60.5	1,334.2	6,831.6	0.0	1,392.1	6,429.3	342.0	66.3
PMN	71.6	1,239.1	6,073.6	64.6	707.9	8,797.4	1,170.5	75.4
DIESEL	10.0	162.4	813.0	0.0	146.4	779.4	367.1	88.7
PCG1	1.0	14.0	33.1	0.0	14.8	29.6	25.1	88.7
PCG2	1.2	10.0	19.8	0.0	0.0	7.4	14.7	88.7
PCG3	1.5	14.3	34.9	0.0	0.0	14.8	3.7	88.7
PCG4	0.8	3.9	10.0					88.7
PCG5	0.7	2.7	6.8	0.0	0.0	14.8	20.7	88.7
PCG6	0.0	5.3	56.8					88.7
PCG7	1.6	19.3	186.8	0.0	57.5	265.0	36.8	88.7
PCG8	0.6	22.9	91.9	0.0	22.3	74.1	27.6	88.7
PCG9	1.7	33.1	198.7	0.0	37.0	200.0	39.9	88.7
PCG	9.2	125.5	638.8	0.0	131.6	605.7	168.4	88.7
PHC2	0.3	24.1	77.3	0.0	14.8	44.4	107.8	88.7
PHC1	0.0	0.2	0.4					88.7
PHC	0.3	24.3	77.6	0.0	0.0	0.0	34.1	88.7
PLB1	0.0	0.0	0.0	0.0	0.0	0.0		88.7
PLB2	0.0	0.0	0.0	0.0	0.0	0.0		88.7
PLB	0.0	0.0	0.0	0.0	0.0	0.0	34.1	88.7
PMG4	0.0	0.0	0.0	0.0	0.0	0.0	3.8	88.7
PMG	0.0	0.0	0.0	0.0	0.0	0.0	3.8	88.7
PMN	0.6	12.6	96.7	0.0	0.0	129.2	53.0	88.7

* El Consumo totaliza el consumo por Generación y Calentamiento.

** El Precio incluye el Cargo de Transporte.

Información de Despejes del 23/05/2018			
Agente	Lugar de Trabajo	Desde	Hasta
EEC20	Unidad Generadora (Termoeléctrica) PEC 13.8 U3	17/05/2018 08:11	24/05/2018 23:59
ENATREL	Línea (Bahía) CHN 69 L607	22/05/2018 08:00	23/05/2018 16:00
ENATREL	Línea (Bahía) PMG 138 L825	22/05/2018 08:00	23/05/2018 16:00
EEC20	Unidad Generadora (Termoeléctrica) PEC 13.8 U1	23/05/2018 02:05	23/05/2018 03:05
TPC	Unidad Generadora (Termoeléctrica) PTP 13.8 U1	23/05/2018 22:10	23/05/2018 23:00

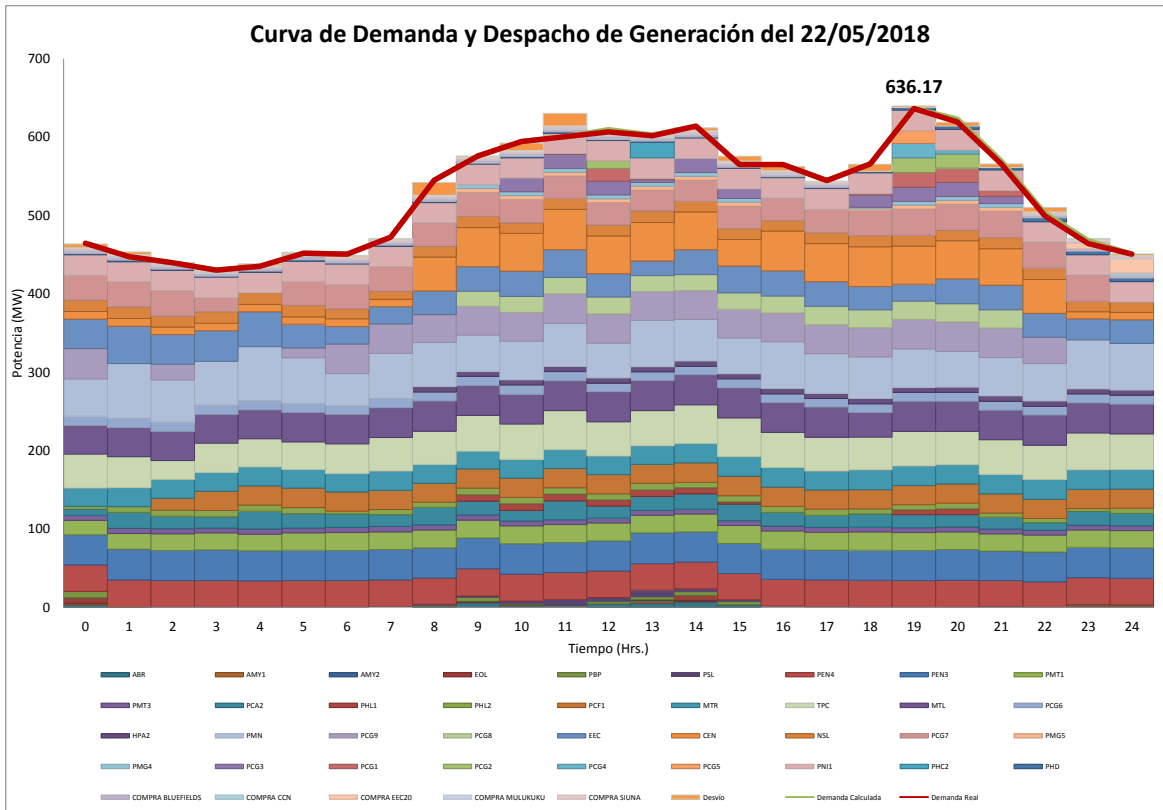
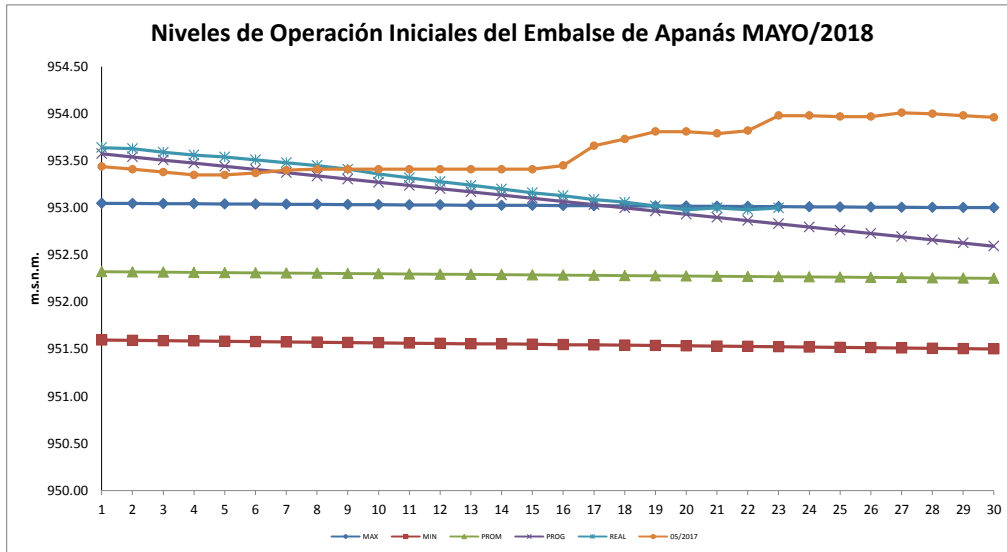
Centro Nacional de Despacho de Carga (CNDC)
Informe de Operación del SIN (Sistema Interconectado Nacional)
Fecha: 22/05/2018

Balance Hidrológico						
22/05/2018						
Embalse	APANAS	ASTURIAS	LA VIRGEN	PANTASMA	LARREYNAGA	UNIDAD
Generación Programada	456.000	N/A	648.000	94.290	331.000	MWh
Generación Real	420.640		541.120	105.660	233.270	MWh
Consumo de Agua	0.700	0.000	1.130	0.110	1.090	MMC
Volumen no Turbinado	0.350	N/A				MMC
Nivel Programado	952.865	N/A				m.s.n.m
Nivel Inicial	952.980	926.920	439.990	841.620	681.520	m.s.n.m
Volumen Inicial	276.070	5.220	24.920	0.250	0.120	MMC
Aporte Natural	1.420	0.000	0.630	0.080	1.100	MMC
Extracción	0.000	-0.120	0.000	0.000	0.000	MMC
Aporte Bombeo	0.000	N/A				MMC
Aporte Total	1.420	-0.120	0.840	0.080	1.100	MMC
Nivel Final	953.000	926.870	439.990	841.440	681.870	m.s.n.m
Volumen Final	276.450	5.100	24.640	0.210	0.130	MMC
Derrame	0.000	0.000	0.210	0.000	0.000	MMC
may-18						
Generación Programada	10,031.630	N/A	13.218.000	948.820	7,216.230	MWh
Generación Real	9,502.780		13.285.700	1,437.970	7,454.530	MWh
Consumo de Agua	15.770	0.000	27.630	1.540	34.740	MMC
Volumen no Turbinado	17.230	N/A				MMC
Aporte Natural	19.440	0.550	14.550	1.510	34.750	MMC
Extracción	-12.850	-1.340	0.000	0.000	0.000	MMC
Aporte Bombeo	0.000	N/A				MMC
Aporte Total	6.600	-0.790	15.330	1.510	34.750	MMC
Derrame	0.000	0.000	0.780	0.000	0.000	MMC
2018						
Generación Programada	87,862.960	N/A	47,228.750	11,833.320	41,200.740	MWh
Generación Real	75,955.830		45,787.670	16,215.440	43,807.170	MWh
Consumo de Agua	125.280	15.950	94.770	17.330	202.760	MMC
Volumen no Turbinado	66.540	N/A				MMC
Aporte Natural	58.600	13.910	0.000	17.700	202.770	MMC
Extracción	-64.600	-1.580	-13.710	-0.790	0.000	MMC
Aporte Bombeo	15.950	N/A				MMC
Aporte Total	9.950	12.330	3.170	17.490	202.790	MMC
Derrame	0.000	0.000	16.880	0.580	0.020	MMC

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

N/A (No Aplica)

Niveles de Operación Iniciales de APANAS (m.s.n.m)						
05/2018						05/2017
Día	MAX	MIN	PROM	PROG	REAL	HISTORICO
1	953.048	951.597	952.323	953.576	953.640	953.440
2	953.047	951.594	952.320	953.542	953.630	953.410
3	953.045	951.590	952.318	953.508	953.590	953.380
4	953.044	951.587	952.315	953.475	953.560	953.350
5	953.042	951.584	952.313	953.441	953.540	953.350
6	953.040	951.581	952.310	953.407	953.510	953.370
7	953.039	951.577	952.308	953.373	953.480	953.400
8	953.037	951.574	952.306	953.339	953.450	953.410
9	953.035	951.571	952.303	953.305	953.410	953.410
10	953.034	951.568	952.301	953.271	953.360	953.410
11	953.032	951.565	952.298	953.237	953.320	953.410
12	953.031	951.561	952.296	953.204	953.280	953.410
13	953.029	951.558	952.294	953.170	953.240	953.410
14	953.027	951.555	952.291	953.136	953.200	953.410
15	953.026	951.552	952.289	953.102	953.160	953.410
16	953.024	951.548	952.286	953.068	953.130	953.450
17	953.023	951.545	952.284	953.034	953.090	953.660
18	953.021	951.542	952.281	953.000	953.060	953.730
19	953.019	951.539	952.279	952.966	953.020	953.810
20	953.018	951.535	952.277	952.933	952.980	953.810
21	953.016	951.532	952.274	952.899	953.000	953.790
22	953.015	951.529	952.272	952.865	952.980	953.820
23	953.013	951.526	952.269	952.831	953.000	953.980
24	953.011	951.523	952.267	952.797		953.980
25	953.010	951.519	952.265	952.763		953.970
26	953.008	951.516	952.262	952.729		953.970
27	953.006	951.513	952.260	952.695		954.010
28	953.005	951.510	952.257	952.662		954.000
29	953.003	951.506	952.255	952.628		953.980
30	953.002	951.503	952.252	952.594		953.960
31	953	951.50	952.25	952.56		953.93



Hora	Notas
19:00	Demanda Máxima 636.17 MW.