

Centro Nacional de Despacho de Carga (CNDC)
Informe de Operación del SIN (Sistema Interconectado Nacional)
Fecha: 14/02/2019

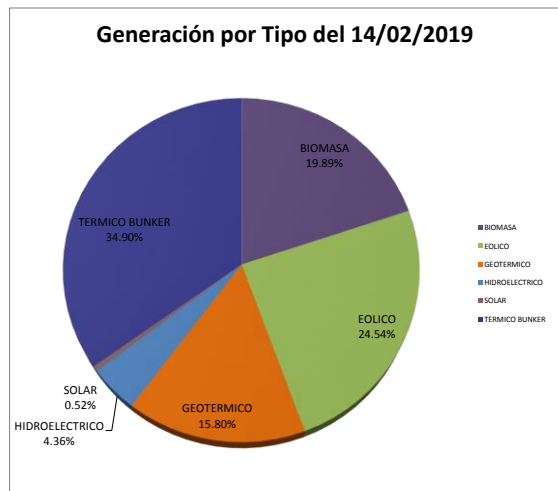
Resumen de Producción de Energía Neta (MWh) del 14/02/2019							
Agente	GGD	Real			Programado		
		Día	Mes	Año	Día	Mes	Año
ALBANISA	PCG1	0.0	94.5	161.1	0.0	0.0	0.0
	PCG2	0.0	0.0	35.1	0.0	0.0	0.0
	PCG3	0.0	14.0	63.3	0.0	103.9	103.9
	PCG4	0.0	0.0	0.0	0.0	0.0	0.0
	PCG5	0.0	0.0	0.0	0.0	0.0	0.0
	PCG6	0.0	199.6	1,731.6	0.0	2,245.2	5,172.1
	PCG7	0.0	404.2	2,530.0	0.0	2,819.3	9,365.3
	PCG8	0.0	66.0	306.8	0.0	2,224.2	4,009.7
	PCG9	260.0	924.0	4,161.9	295.5	281.5	541.8
	PCG	260.0	1,702.4	8,989.8	295.5	7,674.1	19,192.8
	PHC1	0.0	0.0	14.0	0.0	0.0	0.0
	PHC2	0.0	154.6	320.6	0.0	0.0	0.0
	PHC	0.0	154.6	334.6	0.0	0.0	0.0
	ABR	610.7	8,841.2	27,263.9	727.3	21,029.0	47,556.0
	TOTAL	870.7	10,698.2	36,588.3	1,022.8	28,703.1	66,748.8
AMAYO 1	AMY1	727.5	10,980.6	34,014.6	720.6	19,117.0	44,226.0
AMAYO 2	AMY2	468.6	6,724.6	20,227.7	417.8	12,092.0	27,345.0
BLUE POWER	PBP	674.3	10,356.2	31,638.4	740.3	20,819.0	47,081.0
EOLO	EOL	796.2	11,077.6	35,135.4	808.3	21,789.0	45,581.0
EEC	EEC	753.8	7,880.0	21,356.6	677.7	20,329.0	41,606.0
	EEC20				189.1	3,849.0	7,157.4
TOTAL	753.8	7,880.0	21,356.6	866.8	24,178.0	48,763.4	
EGERSA	EGR	734.7	9,504.0	29,311.9	524.4	10,937.0	23,046.0
GEOSA	PNI1	708.4	6,926.1	25,396.0	665.2	16,800.0	35,400.0
	PNI2	0.0	2,309.2	3,199.2	0.0	0.0	0.0
TOTAL	708.4	9,235.3	28,595.2	665.2	16,800.0	35,400.0	
GESARSA	GSR	0.0	0.0	0.0	0.0	0.0	0.0
GREEN POWER	MTL	624.5	8,384.7	26,550.7	758.1	18,144.0	38,232.0
HIDRO PANTASMA	HPA1	65.5	1,015.3	4,170.7	0.0	707.2	1,402.5
	HPA2				58.9	707.2	1,402.5
TOTAL	65.5	1,015.3	4,170.7	58.9	1,414.4	2,804.9	
IHSA	PHD	34.0	543.1	2,353.8	0.0	1,058.7	2,516.5
PCA-PCF	PCA1	0.0	0.0	0.0	0.0	0.0	0.0
	PCA2	0.0	0.0	0.0	0.0	0.0	0.0
	PCA	0.0	0.0	0.0	0.0	0.0	0.0
	PCF1	264.0	3,108.7	7,982.0	235.0	3,179.2	7,678.7
	PCF2	0.0	683.2	2,462.1	0.0	3,179.2	7,678.7
	PCF	264.0	3,791.9	10,444.1	235.0	6,358.3	15,357.4
TOTAL	264.0	3,791.9	10,444.1	235.0	6,358.3	15,357.4	
PENSA	PEN3	829.8	11,483.3	36,974.7	864.0	23,520.0	50,304.0
	PEN4	750.6	10,244.1	32,869.2	744.0	20,832.0	46,872.0
TOTAL	1,580.4	21,727.4	69,844.0	1,608.0	44,352.0	97,176.0	
PHL	PHL1	218.5	3,066.4	9,717.6	204.0	2,573.2	5,827.3
	PHL2	0.0	0.0	12.2	0.0	2,573.2	5,827.3
TOTAL	218.5	3,066.4	9,729.8	204.0	5,146.4	11,654.5	
AGSA	PMN	1,537.5	20,194.0	67,520.4	1,522.2	36,389.0	59,552.0
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	29.1	197.0	223.9	19.7	0.0	0.0
	PMG5	29.1	196.9	223.9	24.6	11.6	11.6
PMG	58.2	393.9	447.8	44.3	11.6	11.6	
TOTAL	58.2	393.9	447.8	44.3	11.6	11.6	
CENSA	CEN	589.4	3,482.2	6,479.1	550.9	0.0	0.0
MONTE ROSA	MTR	667.4	9,283.7	29,573.4	615.6	18,144.0	38,232.0
NSEL	NSL	629.6	9,122.0	28,764.9	592.8	20,160.0	42,480.0
PMT	PMT1	378.0	5,700.7	18,559.1	408.0	12,125.3	24,490.6
	PMT2	0.0	0.0	0.0	0.0	0.0	0.0
	PMT3	151.8	2,099.0	5,494.1	139.2	4,002.7	8,005.4
TOTAL	529.8	7,799.7	24,053.2	547.2	16,128.0	32,496.0	
SOLARIS	PSL	69.6	998.9	3,063.2	64.1	2,558.0	5,449.0
TPC	TPC	753.4	8,548.1	27,518.1	948.4	30,781.0	60,860.0
TOTAL		13,355.9	174,807.8	547,381.2	13,515.7	355,080.5	745,013.1

Resumen de Producción de Energía Neta (MWh) por Tipo del 14/02/2019						
Tipo Recurso	Real			Programado		
	Día	Mes	Año	Día	Mes	Año
BIOMASA	2,656.1	36,294.5	114,200.9	2,490.9	67,385.0	141,990.0
EOLICO	3,277.3	47,980.1	148,280.0	3,414.3	94,846.0	211,789.0
GEOTERMICO	2,110.2	29,527.1	93,897.2	2,155.2	60,480.0	129,672.0
HIDROELECTRICO	581.9	8,416.6	26,698.4	497.9	13,977.8	32,333.3
SOLAR	69.6	998.9	3,063.2	64.1	2,558.0	5,449.0
TERMICO BUNKER	4,660.7	51,436.0	160,906.9	4,893.2	115,833.7	223,779.8
TERMICO DIESEL	0.0	154.6	334.6	0.0	0.0	0.0
TOTAL	13,355.9	174,807.8	547,381.2	13,515.7	355,080.5	745,013.1

Balance de Energía Neta (MWh) del 14/02/2019			
Energía	Día	Mes	Año
Interconexión Neta	-6.1	-510.8	-767.4
AMY-L9030	-1,047.5	-8,230.0	-16,137.8
TCPI-L9150	-61.8	4,617.6	21,768.8
LNI-L9040	644.0	2,718.2	3,443.4
SND-L9090	459.1	536.7	-4,698.2
Generación	13,355.9	174,807.8	547,381.2
No Servida	0.6	310.9	1,579.6
Demanda Neta	13,350.4	174,761.3	553,336.9

Comportamiento de la Demanda (MW) del 14/02/2019			
Potencia Máxima	Día	Mes	Año
Real	673.6	691.7	691.7
Fecha y Hora	14/02/2019 19:00	13/02/2019 19:00	13/02/2019 19:00
Calculada	673.6	691.7	691.7
Fecha y Hora	14/02/2019 19:00	13/02/2019 19:00	13/02/2019 19:00
Programado	674.8	692.3	727.2
Fecha y Hora	14/02/2019 19:00	02/2019	04/2019

Resumen del Mercado Eléctrico Regional (MER) del 14/02/2019			
Agente	Real		
	Día	Mes	Año
Resumen de Ventas (MWh)			
DISNORTE	0.00	31.88	74.22
DISSUR	0.00	4.13	76.58
TOTAL	0.00	36.01	150.80
Resumen de Compras (MWh)			
BLUEFIELDS	0.00	69.00	1,355.28
CCN	0.00	8.70	475.27
DISNORTE	0.00	12.73	847.23
DISSUR	0.00	8.55	843.14
MULUKUKU	0.00	35.87	641.94
SIUNA	0.00	54.52	1,131.49
TOTAL	0.00	189.37	5,294.35



Precio Promedio (US\$/Bbl.)		
Combustible	Día	Año
Bunker	67.6	54.5
Diesel	74.6	70.8

Disponibilidad y Costo Variable Semanal hasta 02/15/2019 07:00			
GGD	Instalada	Real	Costo
	MW		US\$/MWh
ABR	41.6	25.5	0.0
AMY1	41.9	32.5	0.0
AMY2	24.3	19.6	0.0
CEN	57.0	51.0	115.0
EEC	51.4	51.4	113.7
EEC20	18.5	18.5	108.4
EGR	35.0	23.0	21.7
EOL	46.2	36.2	0.0
GSR	5.4	0.0	113.1
HPA1	7.2	0.0	107.4
HPA2	7.2	0.0	107.4
MTL	42.5	33.0	44.7
MTR	38.5	27.0	50.0
NSL	33.0	26.0	34.2
PBP	41.6	31.2	0.0
PCA1	25.0	0.0	0.0
PCA2	25.0	0.0	0.0
PCF1	25.0	25.0	105.1
PCF2	25.0	0.0	105.1
PCG1	19.2	17.4	121.7
PCG2	19.2	19.2	122.1
PCG3	19.2	18.8	121.3
PCG4	19.2	19.2	123.8
PCG5	18.6	18.6	124.4
PCG6	12.9	9.4	110.0
PCG7	38.0	30.2	116.1
PCG8	25.3	22.7	113.7
PCG9	45.3	38.4	113.3
PCHN	15.0		
PEN3	36.0	36.0	132.2
PEN4	36.0	31.0	128.4
PHC1	15.0	9.9	153.3
PHC2	45.0	39.5	153.3
PHL1	8.8	8.8	105.1
PHL2	8.8	8.8	105.1
PLB1	23.0	0.0	252.4
PLB2	35.0	0.0	190.1
PMG3	42.0	0.0	152.2
PMG4	5.5	5.2	117.9
PMG5	5.5	5.2	116.4
PMN	120.0	104.3	112.0
PMT1	30.0	17.0	103.8
PMT2	30.0	0.0	103.8
PMT3	7.0	5.8	103.8
PNI1	50.0	50.0	127.9
PNI2	50.0	50.0	132.3
PSL	12.4	2.3	0.0
TPC	50.9	50.9	106.8
TOTAL	1,433.8	1,018.4	--

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 14/02/2019								
GGD	Consumo*			Recibido			Inventario	Precio (US\$/Bbl.)**
	Día	Mes	Año	Día	Mes	Año		
BUNKER	291.6	3,250.1	10,250.2	262.1	2,591.1	9,538.4	5,371.1	60.3
CEN	35.8	222.9	431.3	0.0	2.6	95.7	721.4	67.3
EEC	43.2	436.8	1,291.4	0.0	147.6	574.4	830.8	67.3
EEC20								67.3
GSR	0.0	0.0	0.0	0.0	0.0	0.0	64.6	67.3
PCG1	0.0	4.2	5.8	0.0	0.0	0.0	203.2	69.5
PCG2	0.0	0.0	1.0	0.0	0.0	0.0	218.2	69.9
PCG3	0.0	0.0	1.4	0.0	0.0	0.0	417.3	69.3
PCG4	0.0	0.0	0.1	0.0	0.0	0.0	201.4	69.9
PCG5	0.0	0.0	0.0	0.0	0.0	0.0		69.9
PCG6	0.0	9.8	93.6	0.0	70.6	254.9	298.9	68.3
PCG7	0.0	17.0	126.5	0.0	0.0	0.0		68.3
PCG8	0.0	2.7	9.9	0.0	0.0	0.0	229.9	67.4
PCG9	13.7	45.3	216.0	0.0	52.9	229.1	410.1	68.1
PCG	13.7	79.0	454.3	0.0	123.5	484.0	1,979.0	68.9
PMG3	0.0	0.0	0.0	54.5	124.6	124.6		65.7
PMG4	1.8	12.1	14.2	0.0	0.0	0.0	455.2	66.6
PMG5	1.9	12.6	15.0	0.0	0.0	0.0		66.6
PMG	3.7	24.6	29.2	54.5	124.6	124.6	455.2	66.3
PNI1	55.8	545.9	2,001.8	48.0	696.1	2,728.5	159.9	67.2
PNI2	0.0	188.3	260.8					67.2
PNI	55.8	734.2	2,262.6	48.0	696.1	2,728.5	159.9	67.2
TPC	46.3	525.1	1,690.4	7.0	241.0	1,297.1	522.3	60.3
PMN	93.1	1,227.5	4,090.9	152.7	1,255.8	4,234.2	638.0	69.3
DIESEL	3.3	49.6	206.7	7.4	51.7	134.3	435.3	74.6
PCG1	0.0	0.8	3.7	0.0	0.0	0.0	34.9	74.6
PCG2	0.0	0.1	1.6	0.0	0.0	0.0	18.4	74.6
PCG3	0.0	1.1	3.1	0.0	0.0	0.0	13.4	74.6
PCG4	0.0	0.1	0.2					74.6
PCG5	0.0	0.0	0.1	0.0	0.0	0.0	22.2	74.6
PCG6	0.0	3.6	20.2	0.0	14.8	37.0	29.9	74.6
PCG7	0.0	9.9	38.4					74.6
PCG8	0.0	1.8	11.9	7.4	14.7	22.1	45.7	74.6
PCG9	3.0	17.1	77.4	0.0	22.2	44.2	41.7	74.6
PCG	3.0	34.6	156.7	7.4	51.7	103.4	206.1	74.6
PHC2	0.0	11.2	21.5	0.0	0.0	14.8	102.9	74.6
PHC1	0.0	0.0	1.0					74.6
PHC	0.0	11.2	22.6	0.0	0.0	0.0	52.7	74.6
PLB1	0.0	0.0	0.0					74.6
PLB2	0.0	0.0	0.0					74.6
PLB	0.0	0.0	0.0	0.0	0.0	0.0	52.7	74.6
PMG4	0.0	0.0	0.0	0.0	0.0	0.0	3.8	74.6
PMG	0.0	0.0	0.0	0.0	0.0	0.0	3.8	74.6
PMN	0.2	3.8	27.5	0.0	0.0	16.2	69.7	74.6

* El Consumo totaliza el consumo por Generación y Calentamiento.

** El Precio incluye el Cargo de Transporte.

Información de Despejes del 15/02/2019			
Agente	Lugar de Trabajo	Desde	Hasta
PCA-PCF	Unidad Generadora (Hidro) PCA 10.5 U2	12/07/2018 07:00	25/04/2019 23:59
ENATREL	Transformador de Potencia MSY 230 TR3	09/01/2019 00:00	15/02/2019 23:59
AGSA	Unidad Generadora (Termoeléctrica) PMN 13.8 U8	14/02/2019 00:00	15/02/2019 18:59
ENATREL	Línea (Bahía) TPT 138 L802	14/02/2019 08:00	15/02/2019 16:00
AGSA	Unidad Generadora (Termoeléctrica) PMN 13.8 U5	15/02/2019 02:00	15/02/2019 02:59
ENATREL	Transformador (Bahía) ETM 69 T601	15/02/2019 07:00	15/02/2019 15:00
ENATREL	Transformador de Potencia ETM 69 TR1	15/02/2019 07:00	15/02/2019 15:00
TPC	Unidad Generadora (Termoeléctrica) PTP 13.8 U2	15/02/2019 22:10	15/02/2019 22:50

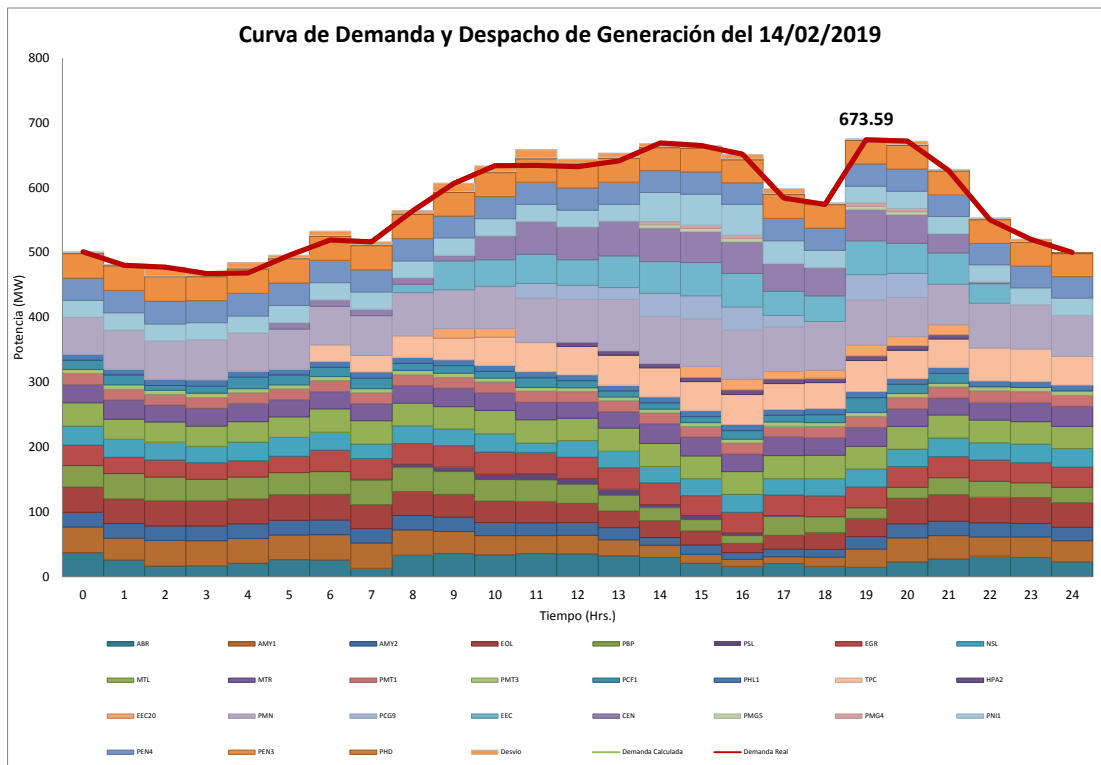
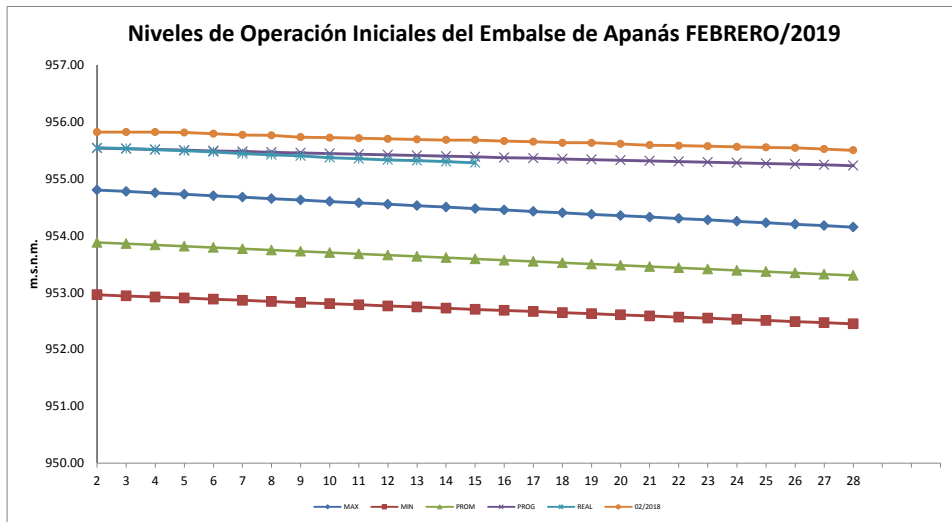
Centro Nacional de Despacho de Carga (CNDC)
Informe de Operación del SIN (Sistema Interconectado Nacional)
 Fecha: 14/02/2019

Balance Hidrológico						
14/02/2019						
	APANAS	ASTURIAS	LA VIRGEN	PANTASMA	LARREYNAGA	UNIDAD
Embalse						
Generación Programada	0.000	N/A	235.000	58.930	204.000	MWh
Generación Real	0.000		263.970	65.470	218.470	MWh
Consumo de Agua	0.000	0.000	0.550	0.070	1.020	MMC
Volumen no Turbinado	0.990					MMC
Nivel Programado	955.395					m.s.n.m
Nivel Inicial	955.300	928.510	439.160	841.430	681.280	m.s.n.m
Volumen Inicial	377.720	9.040	19.440	0.210	0.110	MMC
Aporte Natural	0.000	0.010	0.310	0.070	1.020	MMC
Extracción	-0.970	0.000	0.000	0.000	0.000	MMC
Aporte Bombeo	0.000					MMC
Aporte Total	-0.970	0.020	0.310	0.070	1.020	MMC
Nivel Final	955.280	928.510	439.120	841.420	681.310	m.s.n.m
Volumen Final	375.770	9.050	19.200	0.210	0.110	MMC
Derrame	0.000	0.010	0.000	0.000	0.000	MMC
feb-19						
Generación Programada	0.000	N/A	3.271.000	889.890	2.856.550	MWh
Generación Real	0.000		3.791.880	1.015.260	3.066.420	MWh
Consumo de Agua	0.000	0.000	7.890	1.090	14.290	MMC
Volumen no Turbinado	13.790					MMC
Aporte Natural	0.000	0.330	3.590	1.080	14.280	MMC
Extracción	-13.550	0.000	0.000	0.000	0.000	MMC
Aporte Bombeo	0.000					MMC
Aporte Total	-13.550	0.700	3.590	1.080	14.280	MMC
Derrame	0.000	0.370	0.000	0.000	0.000	MMC
2019						
Generación Programada	0.000	N/A	9.616.000	3.580.410	9.087.050	MWh
Generación Real	0.000		10.444.100	4.170.690	9.729.810	MWh
Consumo de Agua	0.000	0.000	21.720	4.460	41.260	MMC
Volumen no Turbinado	40.550					MMC
Aporte Natural	0.990	2.760	17.360	4.460	41.250	MMC
Extracción	-35.840	0.000	0.000	0.000	0.000	MMC
Aporte Bombeo	0.000					MMC
Aporte Total	-34.850	5.600	17.360	4.460	41.250	MMC
Derrame	0.000	2.850	0.000	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)						
02/2019						02/2018
Dia	MAX	MIN	PROM	PROG	REAL	HISTORICO
1	954.825	952.98	953.903	955.548	955.56	955.82
2	954.800	952.961	953.880	955.536	955.540	955.820
3	954.775	952.941	953.858	955.525	955.530	955.820
4	954.750	952.921	953.836	955.513	955.510	955.820
5	954.725	952.902	953.813	955.501	955.490	955.810
6	954.700	952.882	953.791	955.489	955.470	955.790
7	954.675	952.863	953.769	955.478	955.440	955.770
8	954.650	952.843	953.746	955.466	955.420	955.760
9	954.625	952.823	953.724	955.454	955.400	955.730
10	954.600	952.804	953.702	955.442	955.370	955.720
11	954.575	952.784	953.679	955.430	955.350	955.710
12	954.550	952.764	953.657	955.419	955.330	955.700
13	954.525	952.745	953.635	955.407	955.320	955.690
14	954.500	952.725	953.613	955.395	955.300	955.680
15	954.475	952.705	953.590	955.383	955.280	955.680
16	954.450	952.686	953.568	955.371		955.660
17	954.425	952.666	953.546	955.360		955.650
18	954.400	952.646	953.523	955.348		955.630
19	954.375	952.627	953.501	955.336		955.630
20	954.350	952.607	953.479	955.324		955.610
21	954.325	952.588	953.456	955.313		955.590
22	954.300	952.568	953.434	955.301		955.580
23	954.275	952.548	953.412	955.289		955.570
24	954.250	952.529	953.389	955.277		955.560
25	954.225	952.509	953.367	955.265		955.550
26	954.200	952.489	953.345	955.254		955.540
27	954.175	952.470	953.322	955.242		955.520
28	954.150	952.450	953.300	955.230		955.500



Hora	Notas
19:00	Demanda Máxima 673.59 MW.