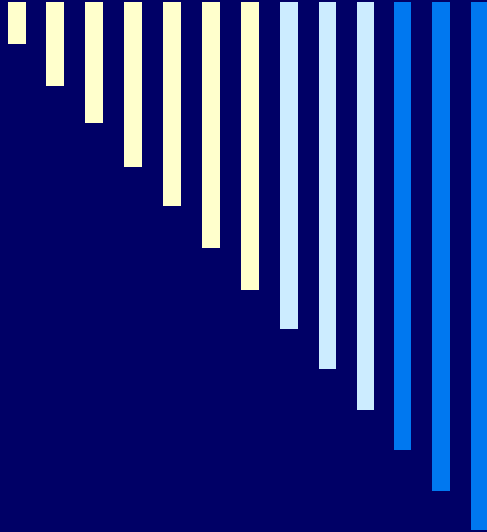




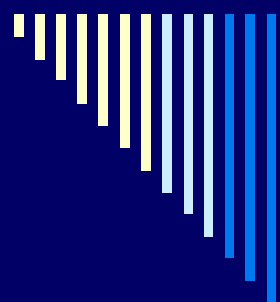
Instituto Nicaragüense de Energía

A decorative graphic on the left side of the slide, consisting of a series of vertical bars of varying heights and colors (yellow, light blue, and dark blue) arranged in a descending staircase pattern.

Oversight and Enforcement in Nicaragua

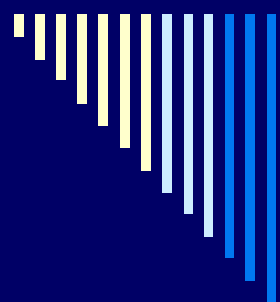
Eng. Aura Monjarrez B.
Wholesale Market Director
INE - Nicaragua

Austin, Texas – July 2008



Monitoring the Electricity Market - Reasons

- ❑ Existing market failures
- ❑ Achievement of social objectives that are unattainable in the spot market.
- ❑ Consumer protection.
- ❑ Different systems operating together.

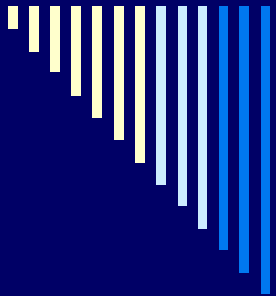


Monitoring the Electricity Market – General Objectives

Always bearing in mind:

- To promote competition in the operation of networks, service provision and access to related resources (overcoming market shortcomings)
- To contribute to the development of the domestic market (harmonization)
- To defend the interests of the citizens (**social objectives**).

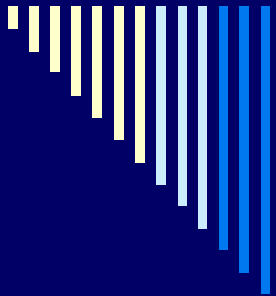
Market control involves constant inspections, cost verification and monitoring of specific services that require attention, especially those that give rise to greater conflicts.



Legal Framework

- Electric Industry Law (No. 272)
- **Law 612, Reform and Addition to Law 290**
- Law on the Organization, Competence and Procedures of the Executive Branch
- **Regulations**

Empower INE to oversee, inspect, audit and sanction actors in the electricity sector if it finds operations are not efficient and in accordance with the sector laws.



Types of Markets

□ Contract Market

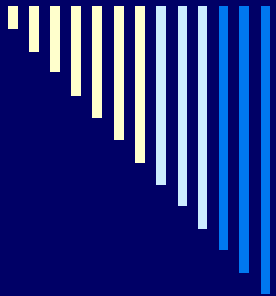
- Generator - Distributor
- Generator – Large Consumer
- Between Generators
- Generators (Pre-existing) – Distributor

□ Spot Market

- Offers to National Dispatch Center (CNDC)
- Regulated Prices - Intervention

□ Regional Market

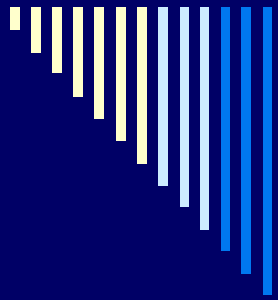
- Offers through Dispatch Centers
-



Indicators to be Monitored

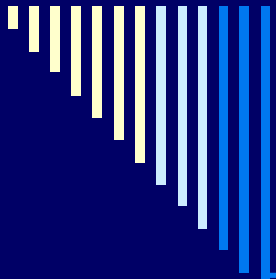
These indicators are monitored daily (post-dispatch), biweekly-monthly (Data Terminal Equipment of National Dispatch Center), bi-annually and annually (consolidated statements or reports from CNDC) in real time.

- Fuels
 - Generation
 - Demand
 - Transportation
 - Ancillary Services
 - Energy and Power Costs
 - Distributors' Costs
 - Rates
 - Regional Operations
-



Fuels

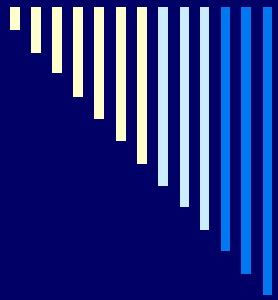
- Source: Weekly Fuel Price Report (CNDC)
- Uses:
 - Application of formulas in generation contracts – Affects price of “energy liquidation”.
 - Example: $\text{US\$/MWh} = 1.587302 * (\text{Platts} + \text{Premium}) + 14.21845$
 - Preliminary Rate Calculation



Generation and Demand

- Source: CNDC reports
 - Plant availability
 - Operating hours and capacity per hour
 - Foreseen and real demand
 - Regional purchases
 - Spot market offers

 - Reports: To INE and DMM Directors:
 - Daily Consolidated System Report
 - Incidence in wholesale price
 - Reservoir Operation
 - Re-dispatches – Non-availabilities due to emergencies, rationing or transmission failures
-



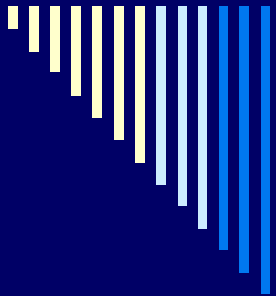
Transportation

□ Source:

- Transmission Logbooks ([CNDCC](#))
- DTE (Toll)
- Payments to Agents

□ Results:

- Transmission and dispatch costs are included in rates by distributors



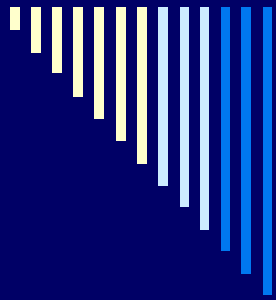
Energy and Power Costs

□ Source:

- CNDP Transactions Document – Spot Market Payments
- Invoicing among Agents
- Preliminary Cost Calculations

□ Results:

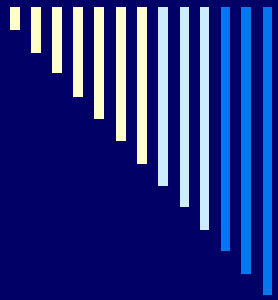
- Wholesale price: Preliminary costs are adjusted and updated through re-liquidations, wholesale price behavior reports
 - Reported to Rates for possible adjustment or no adjustment.
 - Projections are made for the next periods.
-



Distribution Costs

- Invoices:
 - Copies sent by generators
 - Distributors and CNDC Report

- Liquidations and Re-liquidations of National and Regional Market



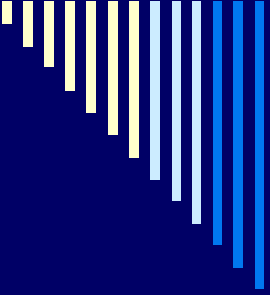
REPORTS

□ Daily:

- To Board Members and Directors – National Interconnected System (NIS) Operation and modifications
- Fuel Inventory in Generating Plants
- Rationing Variation – if any
- Variations in maintenance and/or availability programs, fuel price
- Claims between Agents, Agents-CNDC, Agents-Agents

□ Weekly – General Electricity Directorate:

- Weekly program report and incidents
 - Wholesale price behavior and preliminary projections
-



REPORTS

- Biweekly and Monthly – General Electricity Directorate and Economic Advisory Services:
 - Transaction behavior report – Re-liquidation of liabilities
 - Transmission loss evolution report
 - Wholesale Price Evaluation – Breakdown of Services and Transactions

 - Annual:
 - National Interconnected System (NIS) Behavior Report
 - Wholesale Price Behavior Report
-

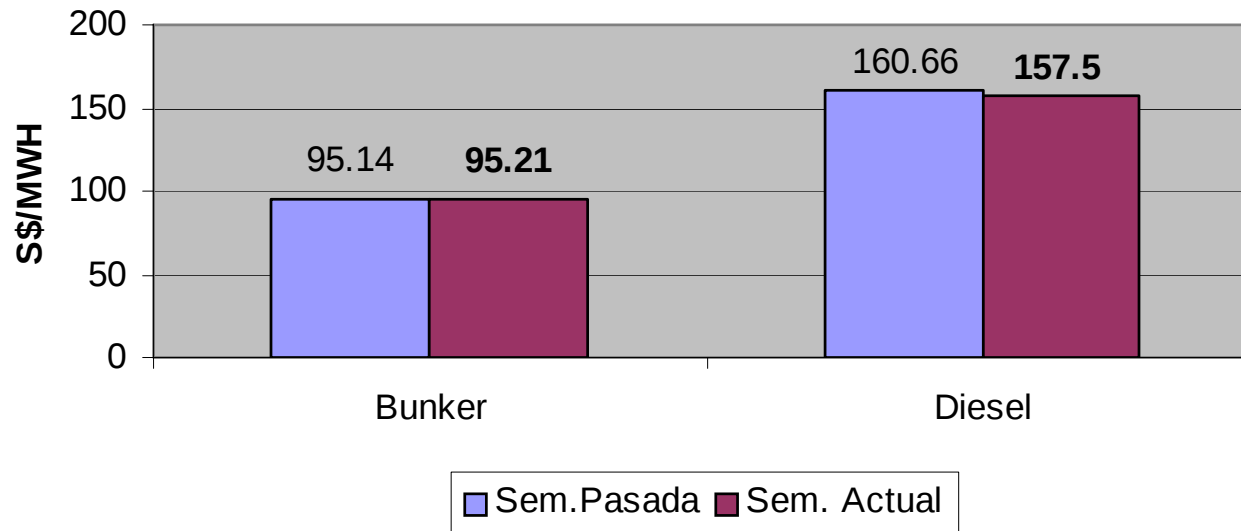
De: Roxana Salgado [mailto:rsalgado@ine.gob.ni]
Enviado el: Lunes, 30 de Junio de 2008 09:00 a.m.
Para: David Castillo; Enrique Kuan; amonjarrez@ine.gob.ni; Mariela Cerrato; Reinerio Montiel; pcastellon@ine.gob.ni; Herman Ruiz; Oswaldo Arteaga
CC: Juliana Hernández; Fátima Herrera; ivaldez@ine.gob.ni; Ricardo Guerrero
Asunto: SIN 30/06/08

MUY BUEN DIA!

Unidades en mantenimiento:

1. **PMT U2 y OEC:** estarán reducidas a 14.5M y 3.6MW respectivamente debido a indisponibilidad del pozo MT4 por fallas en el transformador (a esta hora ambas unidades se encuentran generando 16.5 v 4.6MW respectivamente de conformidad a los datos de la

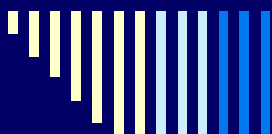
Precio de Referencia del Combustible Semana 27



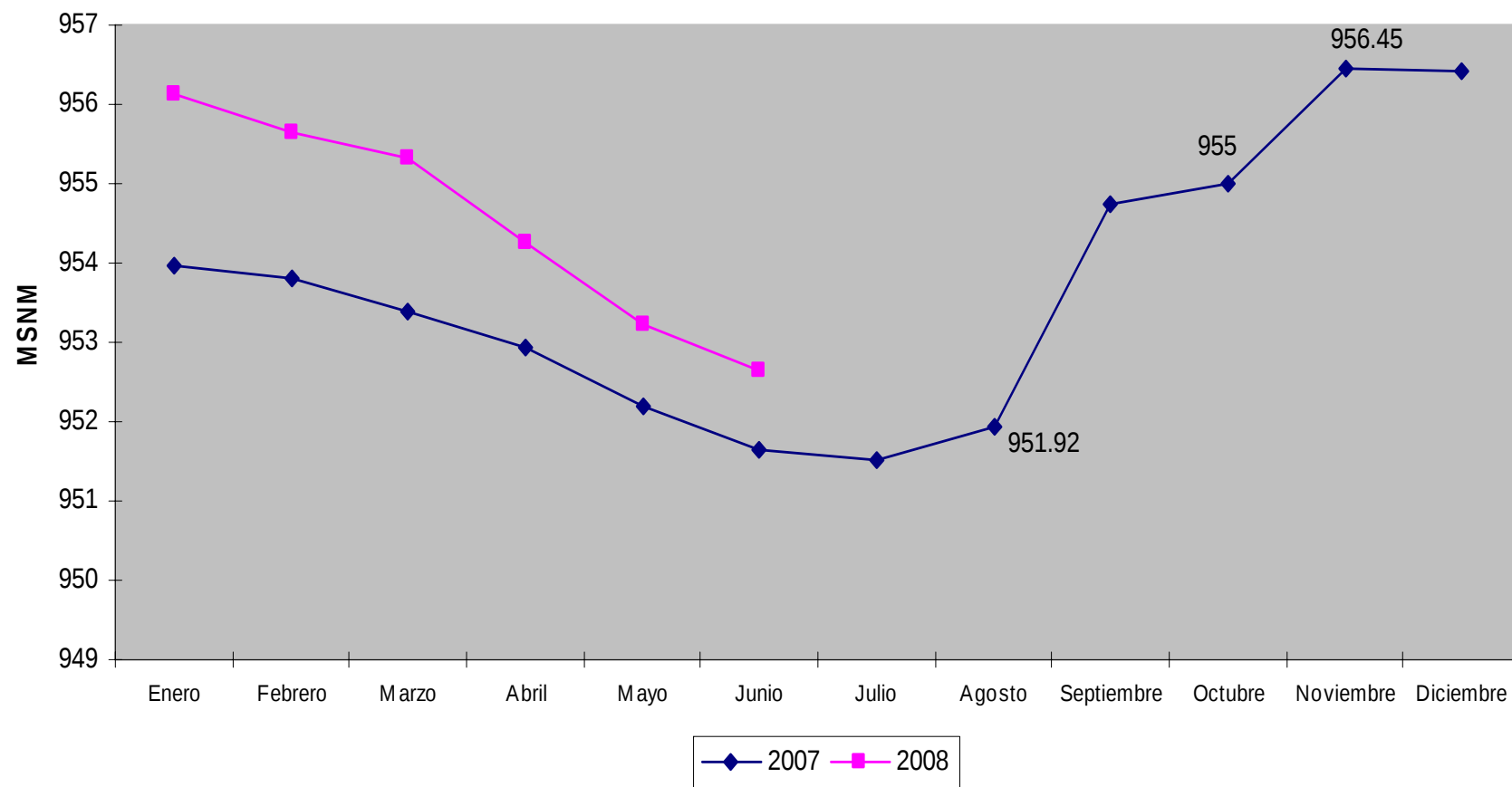
PCA	23 / 20	23 / 20	24	152.05
PSB	23 / 22	23 / 22	24	152.05
CEN	28 / 21	-	7-23	152.05
PHC	8.4	35 / 22	9-17 y 19-21	291.20

SIN COMPRAS EN EL REGIONAL.
EMBALSES

FECHA	ASTURIAS	APANAS	VIRGEN
2007	926.06	951.50	439.45
30/06/08	928.05	952.98	439.77



Niveles Apanas 2007- 2008



WHOLESALE MARKET TRANSACTIONS

March 2008

CONTRATO

Energía (MWh)	176,578.05
Facturado Energía (US\$)	\$17,324,196.23
Facturado Potencia (US\$)	\$4,020,655.31

Monómico Contrato (US\$/MWh)	120.8805
------------------------------	----------

OCASIÓN

Energía (MWh)	76,046.34
Facturado Energía (US\$)	\$8,792,900.78
Facturado Servicios Auxiliares (US\$)	\$209,756.23
Facturado Generación Obligada (US\$)	\$271,086.39
Facturado CNDC (US\$)	\$128,936.13
Facturado ENTRESA (US\$)	\$807,311.63
Facturado Potencia (US\$)	\$532,560.22

Sub Total US\$	\$10,742,551.38
----------------	-----------------

Monómico Ocasión (US\$/MWh)	141.2632
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EXTRACCIONES (MWh)

Disnorte	130,635.98
Dissur	117,903.22
Ometepe	

MER

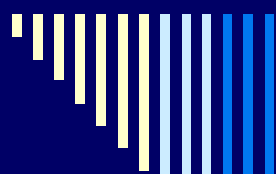
Energía (MWh)	1,469.95
Facturado Energía (US\$)	\$199,254.92

PERDIDAS ASIGNADAS A DISNORTE-DISSUR

MWh	6,086.96
-----	----------

PRECIO COMBUSTIBLE

US\$/BbL	71.68
----------	-------



NIS Extractions and Losses

2007	Sistema Interconectado Nacional (SIN)			DISNORTE			DISSUR		
	Total Inyectado (MWh)	Total Extraído (MWh)	Pérdidas Totales (MWh)	Extraído del SIN (MWh)	Pérdidas		Extraído del SIN (MWh)	Pérdidas	
					(MWh)	(% del SIN)*		(MWh)	(% del SIN)*
Enero	253,891.2078	246,226.9594	7,664.2485	119,363.1642	3,715.3890	48.4769	115,563.5230	3,597.1185	46.9337
Febrero	237,532.9791	230,687.6789	6,845.3003	112,268.4353	3,331.3923	48.6669	107,925.8865	3,202.5339	46.7844
Marzo	273,934.3809	265,965.7269	7,968.6540	131,764.6899	3,951.4780	49.5878	123,092.5659	3,685.6858	46.2523
Abril	259,555.0633	252,947.3392	6,607.7241	126,329.5154	3,303.8542	49.9999	116,710.9249	3,045.7368	46.0936
Mayo	266,453.3281	260,442.4474	6,010.8807	129,686.8537	2,996.4090	49.8497	119,995.4336	2,767.7868	46.0463
Junio	236,291.9369	231,961.6735	4,330.2634	114,595.4568	2,143.5115	49.5007	107,282.1799	2,001.1652	46.2135
Julio	233,176.4870	229,061.9555	4,114.5315	113,271.0652	2,034.6346	49.4500	104,867.9319	1,883.6930	45.7815
Agosto	232,675.8735	228,215.1985	4,460.6750	111,609.2856	2,185.8405	49.0025	105,222.9836	2,055.1837	46.0734
Septiembre	223,042.7521	217,603.3202	5,439.4319	106,065.8514	2,657.4570	48.8554	101,023.5681	2,521.5335	46.3566
Octubre	232,230.4234	226,200.8742	6,029.5492	110,906.4046	2,960.6331	49.1021	104,499.3686	2,785.3978	46.1958
Noviembre	236,443.3792	230,409.9294	6,352.7346	113,939.7243	2,743.9115	43.1926	106,644.1757	2,554.3031	40.2079
Diciembre	253,334.3446	246,930.3552	6,403.9894	122,996.7822	3,195.1331	49.8929	113,521.8434	2,940.8126	45.9216
Promedio	244,880.1797	238,887.7882	6,018.9985	117,733.1024	2,934.9703	48.7618	110,529.1988	2,753.4126	45.7454

* : % que representa respecto a las Totales del SIN

2007	BLUEFIELDS			OTROS		
	Extraído del SIN (MWh)	Pérdidas		Extraído del SIN (MWh)	Pérdidas	
		(MWh)	(% del SIN)*		(MWh)	(% del SIN)*
Enero	2,050.8497	63.8363	0.8329	9,249.4224	287.9046	3.7565
Febrero	1,822.1520	54.0695	0.7899	8,671.2050	257.3046	3.7589
Marzo	1,960.1852	58.2579	0.7311	9,148.2858	273.2324	3.4288
Abril	1,979.0570	51.5497	0.7801	7,927.8419	206.5834	3.1264
Mayo	1,969.2658	45.3504	0.7545	8,790.8943	201.3346	3.3495
Junio	1,943.6176	36.5465	0.8440	8,140.4192	149.0402	3.4418
Julio	1,938.3672	34.8180	0.8462	8,984.5912	161.3860	3.9223
Agosto	2,005.9183	39.7073	0.8902	9,377.0111	179.9434	4.0340
Septiembre	1,927.5669	48.6204	0.8939	8,586.3338	211.8210	3.8942
Octubre	2,013.5041	54.0877	0.8970	8,781.5969	229.4306	3.8051
Noviembre	1,829.3198	43.8554	0.6903	7,996.7096	1,010.6646	15.9091
Diciembre	1,968.0858	50.4242	0.7874	8,443.6438	217.6196	3.3982
Promedio	1,950.6575	48.4269	0.8046	8,674.8296	282.1887	4.6883

* : % que representa respecto a las Totales del SIN

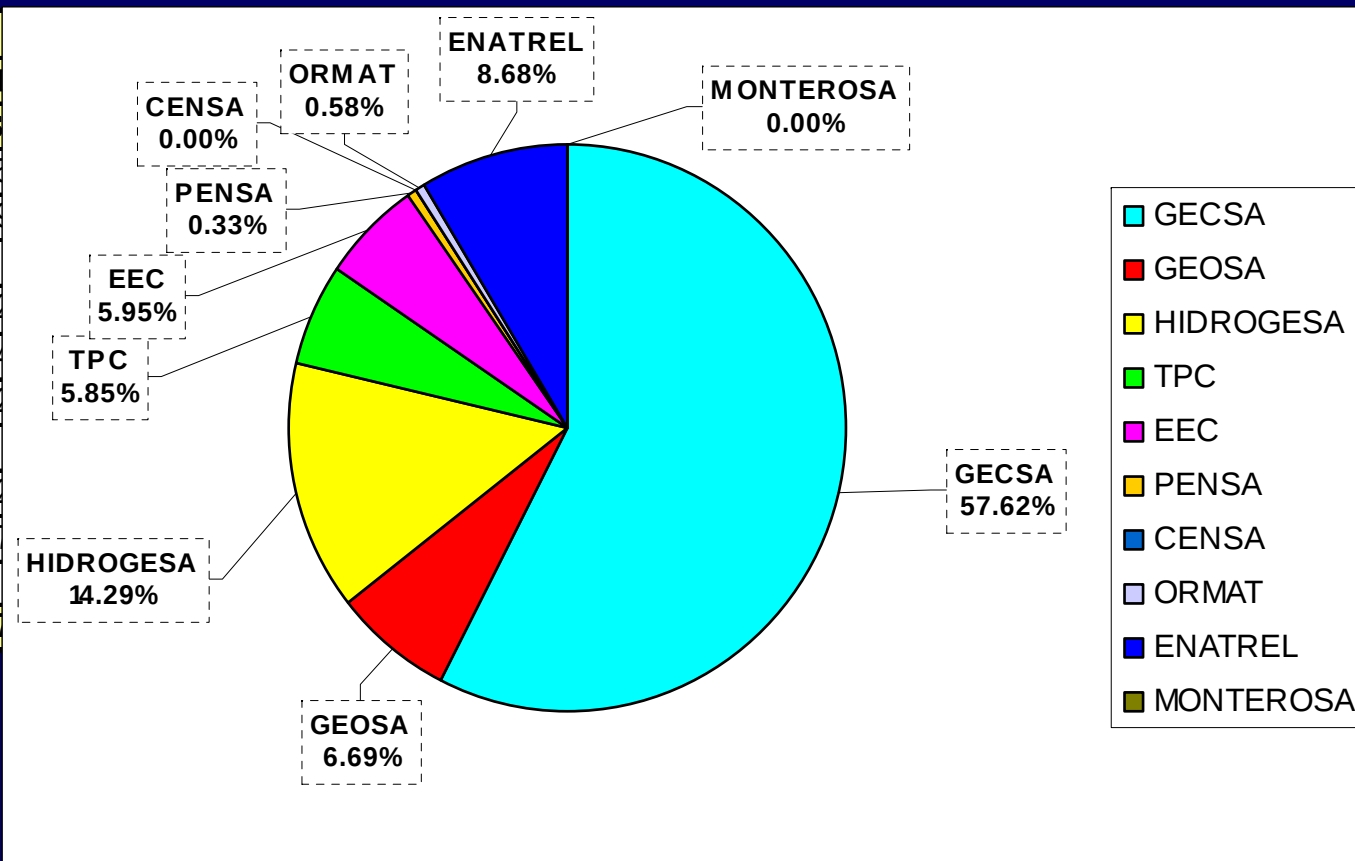
COMPRAS MAYORISTAS DE DISNORTE - DISSUR

ENERO 2008

TIPO DE MERCADO	POTENCIA KW	CARGO POR POTENCIA US\$ / KW - MES	FACTURACION POR POTENCIA US\$	ENERGIA KWh	CARGO POR ENERGIA US\$ / KWh	FACTURACION POR ENERGIA US\$	TOTAL FACTURACION US\$	PRECIO MONOMICO US\$/KWh
MERCADO DE CONTRATOS								
Tipitapa Power Company	50,900	16.08	818,459.20	31,250,062.22	0.1066	3,332,132.76	4,150,592.0	0.13282
CENSA	57,000	8.22	468,362.50	11,946,800	0.1186	1,416,936.86	1,885,299.4	0.15781
EEC (Corinto)	50,900	16.08	818,459.20	35,164,666.00	0.1017	3,576,718.32	4,395,177.5	0.12499
EEC (Corinto - 10)	13,300	15.80	210,140.00	2,946,870	0.1115	328,609.68	538,749.7	0.18282
ORMAT				20,700,217	0.0554	1,147,123.22	1,147,123.2	0.05542
NSEL	11,935	41.96	500,834.50	17,864,726	0.0321	572,680.58	1,073,515.1	0.06009
HIDROGESA					#iDIV/0!			#iDIV/0!
GECSA Cont. Generación	19,100	8.94	170,729.18	3,892,882	0.1706	664,228.72	834,957.9	1.25703
GECSA Cont. Suministro	29,500	9.22	271,894.14	11,780,366	0.1601	1,885,732.24	2,157,626.4	0.18315
GEOSA Cont. Generación	44,000	8.94	393,302.80	7,100,700	0.1651	1,172,651.04	1,565,953.84	0.22054
GEOSA Cont. Suministro								
PENSA	7,217	33.00	238,154.84	5,369,351	0.0150	80,765.80	318,920.6	0.05940
MONTE ROSA	3,085	17.71	54,641.00	22,995,640	0.0660	1,518,716.00	1,573,357.0	
LAS CANOAS		#iDIV/0!		551,213	0.0650	35,829	35,828.9	0.06500
HIDROELECTRICA ATDER				162,640	0.0680	11,059.7	11,059.7	0.06800
SUB-TOTAL CONTRATOS	286,937	13.75	3,944,977	171,726,133	0.0917	15,743,184	19,688,161.2	0.1146
DISNORTE	143,468	13.75	1,972,489	85,863,067	0.0917	7,871,592	9,844,080.6	0.1146
DISSUR	143,468	13.75	1,972,489	85,863,067	0.0917	7,871,592	9,844,080.6	0.1146
MERCADO DE OCASIÓN								
Compras de DISNORTE	54,733	3.64	199,108	41,752,270	0.1104	4,607,827.29	4,806,935	0.1151
Compras de DISSUR	32,723	3.87	126,732	30,373,180	0.1099	3,337,008.69	3,463,740	0.1140
SUB - TOTAL COMPRAS	87,456	3.73	325,840	72,125,450	0.1102	7,944,835.98	8,270,676	0.11467
Ventas de DISNORTE		#iDIV/0!			#iDIV/0!		-	#iDIV/0!
Ventas de DISSUR		#iREF!			#iDIV/0!		-	#iDIV/0!
SUB - TOTAL VENTAS	-	#iDIV/0!	-	-	#iDIV/0!	-	-	#iDIV/0!
CONSUMOS PPA'S (VENTAS)				84,663	0.3001	25,405	25,405	0.30008
DISNORTE				83,172	0.3027	25,173	25,173	0.3027
DISSUR				1,491	0.1559	233	233	0.1559
MERCADO REGIONAL				706,910	0.1488	105,185.91	105,186	0.14880
DISNORTE				376,230	0.1469	55,255	55,255	0.14687
DISSUR				330,680	0.1510	49,931	49,931	0.15099
Compras Netas DISNORTE	54,733	3.64	199,108	42,045,328	0.1103	4,637,910	4,837,018	0.11504
Compras Netas DISSUR	32,723	3.87	126,732	30,702,369	0.1103	3,386,707	3,513,439	0.11444
SUB - TOTAL COMPRAS NETAS	87,456	3.73	325,840	72,747,697	0.1103	8,024,616	8,350,456.09	0.11479
SISTEMAS AISLADOS				16,321	0.2535	138,181	154,502	0.28344
DISSUR (EGOMSA)	1,800	9.07	16,321	545,092	0.2535	138,181	154,502	0.28344
TOTAL COMPRAS	376,193	11.40	4,287,138.04	245,018,921.66	0.0976	23,905,981.00	28,193,119.04	0.11507
DISNORTE	198,201	10.96	2,171,597	127,908,394	0.0978	12,509,502	14,681,098	0.11478
DISSUR	177,991	11.89	2,115,541	117,110,527	0.0973	11,396,479	13,512,021	0.11538
TRANSPORTE Y SERVICIOS CNDC						920,893.30	920,893	
DISNORTE						475,652.85	475,653	
DISSUR						445,240.45	445,240	
SERVICIOS AUXILIARES						212,688.44	212,688	
DISNORTE						111,575.04	111,575	
DISSUR						101,113.40	101,113	
TOTAL COMPRAS NETAS	376,193	11.40	4,287,138	245,018,922	0.1022	25,039,563	29,326,700.78	0.11969
DISNORTE	198,201	10.96	2,171,597	127,908,394	0.1024	13,096,730	15,268,326	0.11937
DISSUR	177,991	11.89	2,115,541	117,110,527	0.1020	11,942,833	14,058,375	0.12004

Report on Debts of Distributor to Generators

AGENTES	VENCIMIENTOS
	US\$
GECSA	63,701,5
GEOSA	272,0
HIDROGESA	
TPC	2,586,7
EEC	6,322,4
PENSA	7,1
CENSA	
ORMAT	1,083,2
ENATREL	10,491,
MONTEROSA	
TOTAL	84,499,7

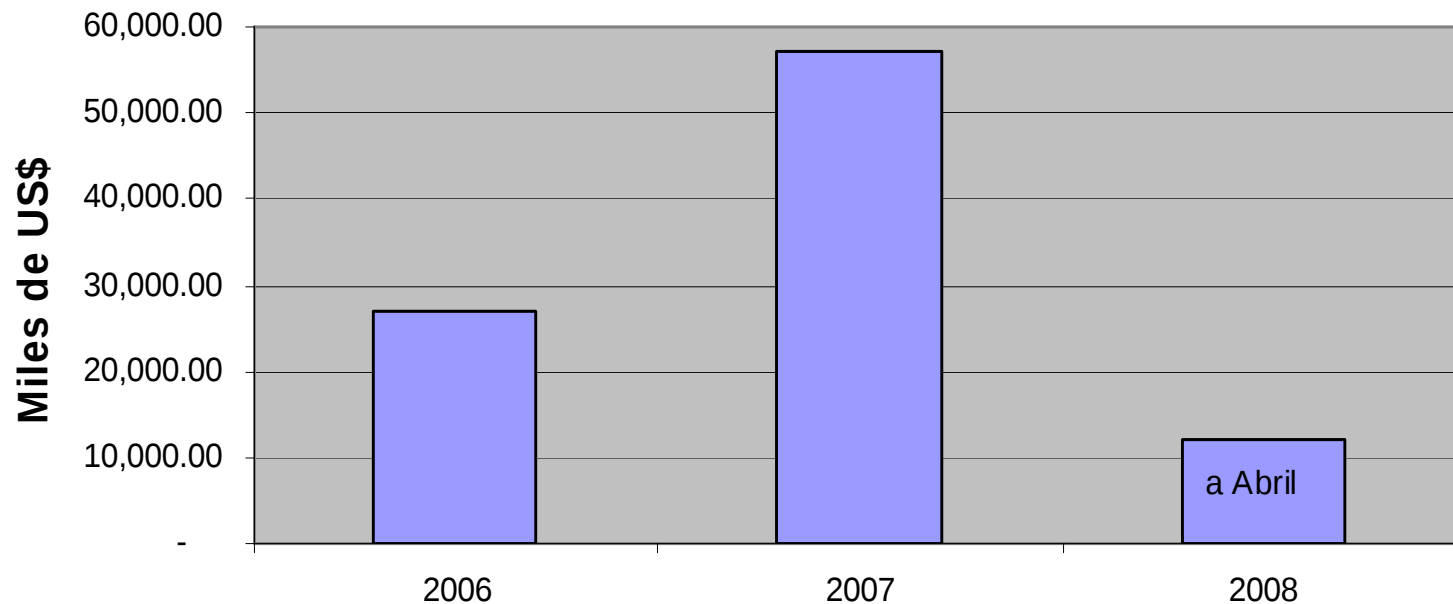


TOTAL
US\$
6,110,830.90
8,838,475.00
8,879,579.81
7,720,424.00
7,852,734.94
442,301.38
0.00
768,259.80
1,467,639.92
0.00
2,080,245.75

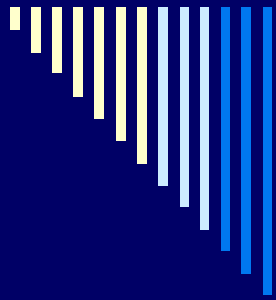
APLICACIÓN DE LEY 554

		Precios Mercado Ocasión	Liquidación Efectuada por DISNORTE y	Liquidación Sin Ley 554 por DISNORTE y DISSUR - No	Dejado de Pagar
		(US\$/MWh)	(US\$)	(US\$)	(US\$)
2005	Noviembre	79.1918	1,239,845.98	1,310,713.54	70,867.56
	Diciembre	78.7466	3,277,975.18	3,545,678.19	267,703.01
SUB-TOTAL		78.9692	4,517,821.16	4,856,391.73	338,570.57
	Enero	97.1909	3,233,308.57	4,053,559.37	820,250.81
	Febrero	86.2802	2,172,772.56	2,655,028.51	482,254.96

Ahorro a Consumidores de Energía por Ley 554



	Febrero	\$ 136.58	\$7,058,997.17	\$8,905,409.64	1,846,412.47
	Marzo	\$ 160.69	\$8,792,542.18	\$12,219,089.23	3,426,547.05
	Abril	\$ 183.87	\$10,381,516.72	\$15,139,035.48	4,757,518.77
SUB-TOTAL		\$ 152.55	\$33,613,835.37	\$45,572,560.28	11,958,724.91
TOTAL		\$165.05	\$185,280,583.44	\$281,650,891.63	\$96,370,308.20

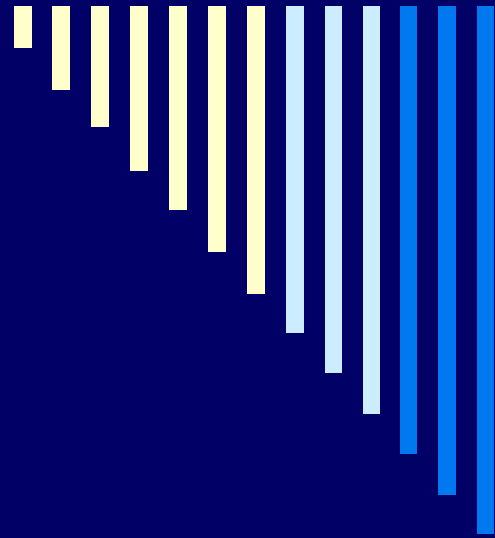


Actions

- Data Evaluation:
 - Verify compliance in accordance with legislation
 - Verify rate incidence

- Issuance of Resolutions aimed to achieve efficiency in NIS operation so as not to adversely affect final consumers.

- In the absence of agreements between the parties, INE is the body responsible for issuing resolutions on actions to be taken (Arbiter) with respect to:
 - Operations executed by CNDC – claims from agents
 - Liquidations issued and not accepted



THANK YOU !!

Información del día 23/06/2008 al 28-06-2008 12:00:00 am

Hora	Equipo	Bahía	Nivel	Evento	Causa	Mwh	Info. Adicional	Despachador
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Departamento de Planeamiento Operativo

Programación de Mediano Plazo

Programación Estacional

Estación : VERANO DIC 2007 - MAY 2008 OFICIAL

DISPONIBILIDAD Y RESERVA DE POTENCIA (MW)

EMPRESA	DIC				ENE					FEB				MAR				ABR				MAY					
Semana	49	50	51	52	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	
HIDROGESA																											
	0	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	23	23	23	23	15	15	15	15	15	
	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	23	23	23	23	15	15	15	15	15	
	24	24	24	24	24	24	24	24	24	24	24	25	25	25	24	25	24	0	0	0	0	0	20	20	20	20	
	24	24	24	24	24	24	24	24	24	24	24	25	25	25	25	25	24	25	25	25	25	25	20	20	20	20	
Total	72	96	96	96	96	96	96	96	96	96	96	98	98	97	97	97	95	70	70	70	70	55	70	70	70	70	
GEMOSA																											
PMT-1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
PMT-2	31.0	31.0	31.0	31.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	29.3	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	
Total	31.0	31.0	31.0	31.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	29.3	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	
GEOSA																											
PNI-1	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	0	0	50	50	50	50	50	50	50	50	
PNI-2	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	0	50	50	50	50	50	
PCHN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Total	100	100	100	100	100	100	100	100	99	100	100	100	100	100	100	100	50	50	100	100	100	50	100	100	100	100	
GECSA																											
PMG-3	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	0	0	0	0	
PMG-4	5.5	5.5	5.5	5.5	5.2	5.2	5.2	5.2	5.2	0	0	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	
PMG-5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	
PLB-1	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	
PLB-2	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	
PHCF-1	12	12	12	12	12	12	12	12	12	12	12	12.0	12	0	12	12	12	12	12	12	12	12	12	12	12	12	
PHCF-2	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	21.7	21.7	21.7	
ALBANISA-2																40	40	40	40	60	60	60	60	60	60	60	
ALBANISA-3																							40	40	40	40	
ALBANISA-4																											
Total	151	151	151	151	151	151	151	151	151	146	146	151	151	139	151	191	191	191	191	211	211	211	171	200	200	200	

PRECIO DE LA POTENCIA DEL DIA

210.00 US\$/MW-DIA

PRECIO MAXIMO

215.98

US\$/MW-DIA

07:34	PEN	U2	4.16	Carga actual	Disponibilidad de generación	4.85 MW	Ninguna	Guillermo Pérez
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CALCULO DE LA REMUNERACION GENERAL AL TRANSPORTE Y SERVICIOS DEL CNDC ANTES DE IMPUESTOS

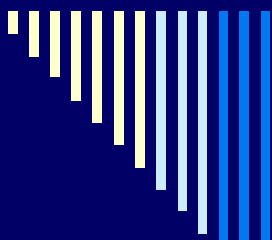
RESUMEN DE TRANSACCIONES: LIQUIDACIÓN DE MAYO 2008
AGENTE: DISSUR

AGENTE	SERVICIOS AUXILIARES				GENERACION OBLIGADA			
	DISSUR		PPA'S		DISSUR		PPA'S	
	Débito	Crédito	Débito	Crédito	Débito	Crédito	Débito	Crédito
GECSA		230.54		41.18		-		-
GECSA	8,083.34		1,229.04		22,898.69		3.46	
GEO SA		623.05		0.00		-		-
GEO SA	-		2,356.08		33,408.30		-	
HIDROGESA	34,763.20		7,552.75		-		-	
DISNORTE		-		497.97		-		-
DISNORTE	-		11,819.11		-		-	
BLUEF	-		5.58			-		-
M. ROSA	-		1.36		-		-	
ENACAL	-		11.18					
CCN	-		3.26					
GESARSA		110.72		20.93				
GESARSA	-		0.72					
PENSA		46.49		27.86				
ENSA		-	1.29	-				
AGRI-CORP			1.06			-		-
TOTAL	\$42,846.54	\$1,010.80	\$22,981.46	\$587.95	\$56,306.99	\$0.00	\$3.46	\$0.00

TRANSPORTE y CNDC	PPA's			
	Unidad Medida	Cantidad	Débito	Crédito
ENATREL	MWh	56,078.32	125,297.07	-
CNDC		-	20,201.41	-
TOTAL		56,078.32	\$145,498.48	\$0.00

* Se solicita al Agente ENATREL, suministre al CNDC su Informe Técnico respectivo.

14:48	BTH	T8010	138	Cerrado	Normalizar	0 MW	0	Ninguno	Ninguna	Douglas Marota
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PRECIOS DE ENERGIA EN EL MERCADO DE OCASION (US\$/MWh)

PERIODO: Mayo 2008

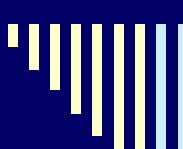
LIQUIDACION MAYO 2008

HRS	01-May	02-May	03-May	04-May	05-May	06-May	07-May	08-May	09-May	10-May	11-May	12-May	13-May	14-May	15-May	16-May	17-May	18-May	19-May	20-May	21-May	22-May	23-May	24-May	25-May	26-May	27-May	28-May	29-May	30-May	31-May
01:00	154.81	152.91	155.25	154.78	154.01	156.07	194.32	255.07	255.07	255.07	150.60	153.71	187.28	174.54	176.67	175.36	178.04	160.37	163.54	164.00	162.07	161.65	162.50	163.29	161.24	171.32	169.77	175.65	172.82	185.37	183.27
02:00	153.51	140.34	153.51	153.36	153.74	154.16	183.14	226.72	255.07	255.07	150.45	153.71	174.53	174.54	175.36	176.67	163.04	158.07	163.54	163.11	161.41	163.59	158.22	161.79	161.89	171.32	169.22	170.69	166.68	176.98	170.69
03:00	152.91	135.16	154.49	152.80	137.71	154.22	186.67	194.32	255.07	155.68	150.45	153.71	177.74	206.15	175.36	171.99	160.68	154.73	161.36	161.86	161.72	162.29	164.58	161.36	161.89	171.32	165.79	156.05	163.61	170.69	170.69
04:00	152.73	133.21	153.0	153.0	153.0	153.0	153.0	153.0	153.0	153.0	153.0	153.0	153.0	153.0	153.0	153.0	153.0	153.0	153.0	153.0	153.0	153.0	153.0	153.0	153.0	153.0	153.0	153.0	153.0	153.0	153.0
05:00	136.82	133.68	153.9	153.9	153.9	153.9	153.9	153.9	153.9	153.9	153.9	153.9	153.9	153.9	153.9	153.9	153.9	153.9	153.9	153.9	153.9	153.9	153.9	153.9	153.9	153.9	153.9	153.9	153.9	153.9	153.9
06:00	131.59	149.30	155.4	155.4	155.4	155.4	155.4	155.4	155.4	155.4	155.4	155.4	155.4	155.4	155.4	155.4	155.4	155.4	155.4	155.4	155.4	155.4	155.4	155.4	155.4	155.4	155.4	155.4	155.4	155.4	155.4
07:00	126.61	153.37	154.4	154.4	154.4	154.4	154.4	154.4	154.4	154.4	154.4	154.4	154.4	154.4	154.4	154.4	154.4	154.4	154.4	154.4	154.4	154.4	154.4	154.4	154.4	154.4	154.4	154.4	154.4	154.4	154.4
08:00	139.09	155.49	155.4	155.4	155.4	155.4	155.4	155.4	155.4	155.4	155.4	155.4	155.4	155.4	155.4	155.4	155.4	155.4	155.4	155.4	155.4	155.4	155.4	155.4	155.4	155.4	155.4	155.4	155.4	155.4	155.4
09:00	153.23	214.40	201.3	201.3	201.3	201.3	201.3	201.3	201.3	201.3	201.3	201.3	201.3	201.3	201.3	201.3	201.3	201.3	201.3	201.3	201.3	201.3	201.3	201.3	201.3	201.3	201.3	201.3	201.3	201.3	201.3
10:00	153.51	256.28	256.2	256.2	256.2	256.2	256.2	256.2	256.2	256.2	256.2	256.2	256.2	256.2	256.2	256.2	256.2	256.2	256.2	256.2	256.2	256.2	256.2	256.2	256.2	256.2	256.2	256.2	256.2	256.2	256.2
11:00	155.13	256.28	256.2	256.2	256.2	256.2	256.2	256.2	256.2	256.2	256.2	256.2	256.2	256.2	256.2	256.2	256.2	256.2	256.2	256.2	256.2	256.2	256.2	256.2	256.2	256.2	256.2	256.2	256.2	256.2	256.2
12:00	155.41	256.28	256.2	256.2	256.2	256.2	256.2	256.2	256.2	256.2	256.2	256.2	256.2	256.2	256.2	256.2	256.2	256.2	256.2	256.2	256.2	256.2	256.2	256.2	256.2	256.2	256.2	256.2	256.2	256.2	256.2
13:00	155.41	256.28	256.2	256.2	256.2	256.2	256.2	256.2	256.2	256.2	256.2	256.2	256.2	256.2	256.2	256.2	256.2	256.2	256.2	256.2	256.2	256.2	256.2	256.2	256.2	256.2	256.2	256.2	256.2	256.2	256.2
14:00	155.41	256.28	256.2	256.2	256.2	256.2	256.2	256.2	256.2	256.2	256.2	256.2	256.2	256.2	256.2	256.2	256.2	256.2	256.2	256.2	256.2	256.2	256.2	256.2	256.2	256.2	256.2	256.2	256.2	256.2	256.2
15:00	155.41	256.28	256.2	256.2	256.2	256.2	256.2	256.2	256.2	256.2	256.2	256.2	256.2	256.2	256.2	256.2	256.2	256.2	256.2	256.2	256.2	256.2	256.2	256.2	256.2	256.2	256.2	256.2	256.2	256.2	256.2
16:00	155.41	256.28	247.7	247.7	247.7	247.7	247.7	247.7	247.7	247.7	247.7	247.7	247.7	247.7	247.7	247.7	247.7	247.7	247.7	247.7	247.7	247.7	247.7	247.7	247.7	247.7	247.7	247.7	247.7	247.7	247.7
17:00	155.41	256.28	181.1	181.1	181.1	181.1	181.1	181.1	181.1	181.1	181.1	181.1	181.1	181.1	181.1	181.1	181.1	181.1	181.1	181.1	181.1	181.1	181.1	181.1	181.1	181.1	181.1	181.1	181.1	181.1	181.1
18:00	155.44	256.28	169.47	155.59	201.00	296.90	372.30	255.07	372.30	255.07	194.32	374.11	279.12	279.12	256.25	256.25	184.04	195.59	278.70	278.70	235.03	278.70	278.70	175.13	209.28	288.18	288.18	288.18	288.18	288.18	171.53
19:00	255.04	354.52	312.52	252.56	342.38	344.65	372.30	364.49	372.30	294.80	255.07	374.11	279.12	279.12	282.47	282.86	256.25	256.25	371.83	302.91	278.70	278.70	278.70	278.70	278.70	288.18	288.18	288.18	288.18	288.18	235.86
20:00	256.28	374.17	359.26	256.28	372.30	372.30	372.30	372.30	372.30	277.79	255.07	369.36	279.12	279.12	284.76	281.04	256.25	256.25	354.50	279.63	278.70	278.70	278.70	278.70	278.70	288.18	288.18	288.18	310.83	286.64	285.57
21:00	256.28	309.95	292.88	256.28	296.21	372.30	350.25	362.53	372.30	277.03	255.07	278.74	279.12	285.02	256.25	267.41	256.25	256.25	278.70	278.70	278.70	278.70	278.70	278.70	278.70	288.18	288.18	288.18	288.18	195.86	200.30
22:00	214.07	256.28	264.21	211.74	215.19	372.30	264.92	255.07	270.70	255.07	200.40	256.25	271.12	256.25	256.25	256.25	256.25	256.25	278.70	269.20	206.79	250.20	268.33	278.70	182.67	240.07	275.30	246.75	286.88	189.72	188.72
23:00	156.85	190.93	181.20	155.50	181.82	257.23	255.07	255.07	255.07	207.25	192.87	258.69	256.25	229.69	236.29	256.25	228.47	220.07	183.63	170.95	167.68	167.82	176.55	171.92	164.32	171.32	171.32	187.20	181.78	171.00	178.50
24:00	154.46	155.52	155.51	155.06	170.74	182.56	255.07	255.07	255.07	150.70	150.70	260.65	183.49	172.38	174.31	214.22	168.83	163.12	165.15	164.00	162.93	162.80	165.00	164.29	164.37	171.32	171.32	172.73	172.14	171.53	171.53

Monitored Indicators

- Weekly (CNDC)

MES:	JUNIO		SEMANA No:		24				
GENERACIÓN (MWH)									
EMPRESA	SEMANTAL			MENSUAL			ESTACIONAL INVIERNO (JUN 08 - NOV 08)		
	PROG.	REAL	DIF.	PROG.	ACUM	DIF.	PROG. ACUM.	REAL ACUM	DIF.
GEMOSA	5,208.34	4,916.02	292.32	10,500.68	10,118.37	382.30	9,926.95	10,118.37	-191.42
GEOSA	8,957.74	12,047.30	-3,089.56	19,719.13	23,274.20	-3,555.07	17,863.56	23,274.20	-5,410.64
GECSA	779.81	3,507.56	-2,727.74	5,357.54	7,317.47	-1,959.93	23,169.84	7,317.47	15,852.37
HIDROGESA	14,881.33	12,195.00	2,686.33	29,734.09	24,210.10	5,523.99	23,645.35	24,210.10	-564.75
NSEL	1,915.20	1,262.04	653.16	3,931.43	3,440.26	491.18	3,931.43	3,440.26	491.18
CENSA	4,390.33	3,582.80	807.53	8,037.13	6,324.50	1,712.63	4,364.52	6,324.50	-1,959.98
TPC	7,640.18	7,882.00	-241.82	15,647.63	15,070.60	577.03	15,763.77	15,070.60	693.17
EEC	7,980.00	7,982.43	-2.43	15,960.00	15,937.02	22.98	15,960.00	15,937.02	22.98
MTR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EEC-ADIC	2,420.81	2,658.79	-237.98	2,420.81	3,367.94	-947.13	1,075.88	3,367.94	-2,292.06
GESARSA	112.14	226.67	-114.53	1,287.69	1,348.32	-60.62	609.26	1,348.32	-739.06
SJP	1,126.04	1,182.83	-56.79	1,358.65	1,366.58	-7.92	2,252.08	1,366.58	885.50
E.D.S.	0.00	179.05	-179.05	0.00	543.55	-543.55	0.00	543.55	-543.55
Intercambio Neto	0.00	17.17	-17.17	0.00	-71.99	71.99	0.00	-71.99	71.99
UD's Racionamiento	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DEM.ENERGIA MWH	55,899.41	59,405.00	-3,505.59	115,441.24	116,027.09	-585.85	120,049.11	116,027.09	4,022.02
EXPORTACION (MWH)									
ITEM	PROG	REAL	DIF.	PROG.	ACUM	DIF.	PROG.	ACUM.	DIF.
VENTAS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IMPORTACION (MWH)									
ITEM	PROG	REAL	DIF	PROG.	ACUM	DIF.	PROG.	ACUM	DIF.
COMPRAS	487.48	1,799.69	-1,312.21	1,486.46	3,636.20	-2,149.74	1,486.46	3,636.20	-2,149.74
COMPORTAMIENTO DE LA DEMANDA									
DEMANDA MAXIMA MW	SEMANTAL					MENSUAL			
	PROG.	REAL	DIF.	FECHA	HORA-REG.	PROG.	REAL	DIF.	FECHA
	480.0	469.60	10.4	11/06/2008	19H00	530.5	469.60	60.9	11/06/2008



CENTRO NACIONAL DE DESPACHO DE CARGA

LIQUIDACION MAYO 2008

DEBITOS POR ENERGIA DE OCASION

AGENTE CONSUMIDOR DISTRIBUIDORA DEL NORTE. (DISNORTE)

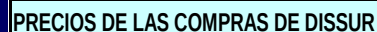
Periodo: **Mayo 2008**

		DIA	GECSA		GEOSA		HIDROGESA		EEC-20		MTE. ROSA				
			MWh	US\$	MWh	US\$	MWh	US\$	MWh	US\$	MWh	US\$			
CENTRO NACIONAL DE DESPACHO DE CARGA	LIQUIDACION MUESTRO	01-May-08	63.81	(\$17,398.8)	703.25	(\$113,664.8)	641.36	(\$43,367.4)	14.62	(\$2,181.0)	0.00	\$0.0			
		02-May-08	327.89	(\$93,074.2)	749.24	(\$125,129.4)	802.05	(\$54,234.7)	5.27	(\$810.7)	0.00	\$0.0			
		03-May-08	145.69	(\$42,815.4)	871.84	(\$148,257.4)	780.09	(\$52,749.4)	6.55	(\$1,003.5)	0.00	\$0.0			
		04-May-08	42.32	(\$11,496.2)	582.83	(\$93,324.1)	711.82	(\$48,133.3)	24.12	(\$3,573.3)	0.00	\$0.0			
		05-May-08	408.42	(\$124,968.5)	839.09	(\$143,594.5)	798.52	(\$53,995.7)	9.86	(\$1,495.1)	0.00	\$0.0			
GECSA		06-May-08	471.11	(\$140,162.6)	802.69	(\$139,085.3)	823.64	(\$55,671.0)	2.71	(\$417.8)	0.00	\$0.0			
COMPAS DE ENERGIA Y PERIODOS (MWH)		07-May-08	505.27	(\$149,892.6)	586.77	(\$105,696.8)	826.85	(\$55,911.7)	6.37	(\$1,040.7)	0.00	\$0.0			
COMPAS DE POTENCIA (MW)		08-May-08	459.39	(\$129,991.7)	752.43	(\$132,412.8)	773.53	(\$52,306.5)	0.42	(\$69.7)	0.00	\$0.0			
ENTAS DE ENERGIA Y PERIODOS (MWH)		09-May-08	538.39	(\$165,229.9)	819.96	(\$144,128.7)	788.37	(\$53,310.0)	2.49	(\$413.2)	0.00	\$0.0			
ENTAS DE POTENCIA (MW)		10-May-08	307.65	(\$79,053.9)	776.47	(\$134,259.6)	699.39	(\$47,192.3)	0.77	(\$120.0)	0.00	\$0.0			
SALDO NETO ENERGIA Y PERIODOS		11-May-08	17.61	(\$4,664.9)	427.45	(\$68,891.1)	447.33	(\$30,157.8)	18.69	(\$3,148.6)	0.00	\$0.0			
SALDO NETO POTENCIA		12-May-08	548.92	(\$167,364.3)	776.62	(\$135,078.3)	572.01	(\$38,627.5)	6.09	(\$1,170.6)	0.00	\$0.0			
SERVICIO ODC Y ENTREL		13-May-08	386.63	(\$95,476.4)	747.51	(\$125,070.2)	707.05	(\$47,472.7)	0.00	\$0.0	0.00	\$0.0			
HIDROGESA		14-May-08	375.22	(\$90,004.2)	831.10	(\$149,030.2)	719.12	(\$47,984.7)	1.73	(\$247.5)	2.79	(\$484.3)			
COMPAS DE ENERGIA Y PERIODOS (MWH)	0.13	15-May-08	311.70	(\$81,893.2)	893.02	(\$158,058.2)	644.73	(\$43,570.6)	3.12	(\$446.9)	4.43	(\$770.0)			
COMPAS DE POTENCIA (MW)	0.00	16-May-08	439.57	(\$114,282.5)	969.38	(\$171,601.5)	649.23	(\$43,850.6)	7.30	(\$1,046.7)	7.01	(\$1,218.4)			
ENTAS DE ENERGIA Y PERIODOS (MWH)	0.0	17-May-08	96.51	(\$18,338.3)	862.84	(\$152,624.0)	549.78	(\$37,108.3)	13.94	(\$1,997.4)	10.11	(\$1,758.5)			
ENTAS DE POTENCIA (MW)	0.0	18-May-08	89.50	(\$21,287.2)	747.51	(\$132,805.7)	668.92	(\$45,225.7)	29.35	(\$4,206.3)	11.12	(\$1,933.1)			
SALDO NETO ENERGIA Y PERIODOS	0.1	19-May-08	294.01	(\$73,575.7)	940.24	(\$168,747.9)	517.91	(\$35,018.1)	11.38	(\$1,663.8)	7.33	(\$1,273.6)			
SALDO NETO POTENCIA	0.0	20-May-08	397.13	(\$107,297.6)	863.91	(\$156,304.3)	396.45	(\$26,806.4)	6.07	(\$887.9)	7.29	(\$1,266.8)			
SERVICIO ODC Y ENTREL		21-May-08	150.68	(\$38,330.6)	780.69	(\$140,551.1)	309.69	(\$27,060.3)	4.67	(\$682.4)	6.54	(\$1,136.3)			
DISSUR		22-May-08	103.57	(\$29,060.4)	757.11	(\$136,317.4)	373.29	(\$32,708.2)	3.53	(\$516.6)	7.26	(\$1,263.1)			
COMPAS DE ENERGIA Y PERIODOS (MWH)	0.100	23-May-08	171.42	(\$49,973.2)	792.19	(\$142,066.2)	383.33	(\$33,553.2)	4.45	(\$650.3)	7.70	(\$1,339.1)			
COMPAS DE POTENCIA (MW)	0.000	24-May-08	13.79	(\$2,213.5)	652.28	(\$115,749.5)	305.44	(\$26,582.1)	12.22	(\$1,785.4)	8.52	(\$1,480.9)			
ENTAS DE ENERGIA Y PERIODOS (MWH)	0.0	25-May-08	27.38	(\$7,078.3)	529.07	(\$90,981.7)	225.73	(\$19,649.8)	0.00	\$0.0	0.00	\$0.0			
ENTAS DE POTENCIA (MW)	0.0	26-May-08	179.51	(\$52,119.5)	748.23	(\$139,000.3)	410.95	(\$35,973.0)	0.00	\$0.0	0.00	\$0.0			
SALDO NETO ENERGIA Y PERIODOS	0.100	27-May-08	140.93	(\$34,844.0)	820.76	(\$152,101.6)	444.55	(\$38,951.4)	0.00	\$0.0	0.00	\$0.0			
SALDO NETO POTENCIA	0.000	28-May-08	150.84	(\$37,739.3)	846.70	(\$158,500.4)	321.56	(\$28,097.4)	1.91	(\$291.4)	4.07	(\$707.1)			
SERVICIO ODC Y ENTREL		29-May-08	121.60	(\$25,412.4)	402.52	(\$74,561.1)	316.89	(\$27,766.2)	0.00	\$0.0	0.00	\$0.0			
		30-May-08	10.09	(\$2,007.7)	381.35	(\$70,179.8)	455.23	(\$39,887.3)	0.00	\$0.0	0.00	\$0.0			
		31-May-08	6.24	(\$1,553.9)	372.20	(\$68,461.3)	469.39	(\$41,123.2)	0.00	\$0.0	0.00	\$0.0			
		TOTAL	7,302.76	\$2,018,680.9	22,633.27	\$3,995,237.1	17,519.70	\$1,264,046.7	197.63	\$29,866.8	84.15	\$14,631.3			

Monitored Indicators

• Monthly (CNDC)

INYECCIONES / EXTRACCIONES MAYO 2008				
	GGD	EXTRACCION (MMH)	ENERGIA TESTIGO (MMH)	%PROPORC
HIDROGESA	PSB1	8,768.202	517,976.424	1.693
	PSB2	7,806.171	517,976.424	1.507
	PCA1	11,785.271	517,976.424	2.275
	PCA2	11,449.492	517,976.424	2.210
	TOTAL	39,809.136	517,976.424	7.686
GEOSA	PCHN	0.000	517,976.424	0.000
	PN1	27,363.600	517,976.424	5.283
	PN2	25,624.400	517,976.424	4.947
	TOTAL	52,988.000	517,976.424	10.230
	EEC-20	4,473.907	517,976.424	0.864
GECSA	PLB1	1,048.793	517,976.424	0.202
	PLB2	4,695.239	517,976.424	0.906
	PHC1	2,511.255	517,976.424	0.485
	PHC2	7,376.470	517,976.424	1.424
	PAN1	490.350	517,976.424	0.095
	PAN2	192.013	517,976.424	0.037
	PMGA4 Y 5	5,395.238	517,976.424	1.042
	PMGA3	14,557.653	517,976.424	2.810
	TOTAL	36,267.010	517,976.424	7.002
		MTR	0.000	517,976.424
PPAS	PMT	20,791.535	517,976.424	4.014
	NSL	7,706.984	517,976.424	1.488
	TPT	34,347.203	517,976.424	6.631
	EEC-50	34,990.221	517,976.424	6.755
	CEN	14,236.224	517,976.424	2.748
	TOTAL	112,072.167	517,976.424	21.637
	CSP	1,124.224	517,976.424	0.217
HIDROGESA	PSB	27.567	517,976.424	0.005
	PCA1	0.514	517,976.424	0.000
	PCA2	0.766	517,976.424	0.000
	TOTAL	28.848	517,976.424	0.006
GEOSA	PCHN	6.649	517,976.424	0.001
	PN1	208.521	517,976.424	0.040
	TOTAL	215.170	517,976.424	0.042
	DISNORTE	124,928.193	517,976.424	24.119
	DISSUR	117,872.507	517,976.424	22.756
GECSA	PMGA	56.195	517,976.424	0.011
	PLB	82.891	517,976.424	0.016
	PHC1	7.122	517,976.424	0.001
	PHC2	23.195	517,976.424	0.004
	PAN1	27.178	517,976.424	0.005
	PAN2	21.062	517,976.424	0.004
	TOTAL	217.642	517,976.424	0.042
	BLF	2,055.733	517,976.424	0.397
	ASTURIAS	0.000	517,976.424	0.000
	MTR	409.999	517,976.424	0.079
PPAS	CEN	7.800	517,976.424	0.002
	EEC	0.034	517,976.424	0.000
	PMT	0.000	517,976.424	0.000
	NSL	75.212	517,976.424	0.015
	TPT	1.419	517,976.424	0.000
	TOTAL	84.465	517,976.424	0.016
	ENACAL	2,840.162	517,976.424	0.548
	ENACAL2	1,263.997	517,976.424	0.244
	TOTAL	4,104.160	517,976.424	0.792
	CCN	1,150.131	517,976.424	0.222
	GRS	9.495	517,976.424	0.002
	PEN	2.582	517,976.424	0.000
	ENS	455.760	517,976.424	0.088



Fecha: Miércoles, 07 de Mayo de 2008

HORA	PRECIOS ENERGIA OCASION	GECSA																
		PMGA # 3		PMGA # 4, 5		PLB # 1		PLB # 2		PHC # 1		PHC # 2		IMPORTACION		COMPRAS GESARSA		
		PRECIO VTA. ENERG.	PRECIO PERDIDAS	PRECIO VTA. ENERG.	PRECIO PERDIDAS	PRECIO VTA. ENERG.	PRECIO PERDIDAS	PRECIO VTA. ENERG.	PRECIO PERDIDAS	PRECIO VTA. ENERG.	PRECIO PERDIDAS	PRECIO VTA. ENERG.	PRECIO PERDIDAS	PRECIO VTA. ENERG.	PRECIO PERDIDAS	PRECIO VTA. ENERG.	PRECIO PERDIDAS	
01:00	\$ 194.32	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
02:00	\$ 183.14	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
03:00	\$ 186.67	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
04:00	\$ 182.56	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
05:00	\$ 183.73	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
06:00	\$ 194.32	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
07:00	\$ 194.32	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
08:00	\$ 272.44	\$ -	\$ -	\$ -	\$ -	\$ 272.44	\$ 272.44	\$ -	\$ -	\$ 283.20	\$ 280.58	\$ 283.20	\$ 280.58	\$ -	\$ -	\$ -	\$ -	
09:00	\$ 372.30	\$ 203.43	\$ 200.81	\$ -	\$ -	\$ 372.30	\$ 372.30	\$ -	\$ -	\$ 283.20	\$ 280.58	\$ 283.20	\$ 280.58	\$ -	\$ -	\$ -	\$ -	
10:00	\$ 372.30	\$ 203.43	\$ 200.81	\$ -	\$ -	\$ 372.30	\$ 372.30	\$ -	\$ -	\$ 283.20	\$ 280.58	\$ 283.20	\$ 280.58	\$ -	\$ -	\$ -	\$ -	
11:00	\$ 372.30	\$ 203.43	\$ 200.81	\$ -	\$ -	\$ 372.30	\$ 372.30	\$ -	\$ -	\$ 283.20	\$ 280.58	\$ 283.20	\$ 280.58	\$ -	\$ -	\$ -	\$ -	
12:00	\$ 372.30	\$ 203.43	\$ 200.81	\$ -	\$ -	\$ 372.30	\$ 372.30	\$ -	\$ -	\$ 283.20	\$ 280.58	\$ 283.20	\$ 280.58	\$ -	\$ -	\$ -	\$ -	
13:00	\$ 372.30	\$ 203.43	\$ 200.81	\$ -	\$ -	\$ 372.30	\$ 372.30	\$ 324.78	\$ 322.16	\$ 283.20	\$ 280.58	\$ 283.20	\$ 280.58	\$ -	\$ -	\$ -	\$ -	
14:00	\$ 372.30	\$ 203.43	\$ 200.81	\$ -	\$ -	\$ 372.30	\$ 372.30	\$ 308.19	\$ 305.57	\$ 283.20	\$ 280.58	\$ 283.20	\$ 280.58	\$ -	\$ -	\$ -	\$ -	
15:00	\$ 372.30	\$ -	\$ -	\$ -	\$ -	\$ 372.30	\$ 372.30	\$ 308.19	\$ 305.57	\$ 283.20	\$ 280.58	\$ 283.20	\$ 280.58	\$ -	\$ -	\$ -	\$ -	
16:00	\$ 372.30	\$ -	\$ -	\$ -	\$ -	\$ 372.30	\$ 372.30	\$ 308.19	\$ 305.57	\$ 283.20	\$ 280.58	\$ 283.20	\$ 280.58	\$ -	\$ -	\$ -	\$ -	
17:00	\$ 372.30	\$ -	\$ -	\$ -	\$ -	\$ 372.30	\$ 372.30	\$ 308.19	\$ 305.57	\$ 283.20	\$ 280.58	\$ 283.20	\$ 280.58	\$ -	\$ -	\$ -	\$ -	
18:00	\$ 372.30	\$ -	\$ -	\$ -	\$ -	\$ 372.30	\$ 372.30	\$ 322.60	\$ 319.98	\$ 283.20	\$ 280.58	\$ 283.20	\$ 280.58	\$ -	\$ -	\$ -	\$ -	
19:00	\$ 372.30	\$ -	\$ -	\$ -	\$ -	\$ 372.30	\$ 372.30	\$ 330.21	\$ 327.59	\$ 283.20	\$ 280.58	\$ 283.20	\$ 280.58	\$ -	\$ -	\$ 150.70	\$ 150.70	
20:00	\$ 372.30	\$ -	\$ -	\$ -	\$ -	\$ 372.30	\$ -	\$ 324.20	\$ -	\$ 283.20	\$ -	\$ 283.20	\$ -	\$ -	\$ -	\$ 150.70	\$ -	
21:00	\$ 350.25	\$ -	\$ -	\$ -	\$ -	\$ 350.25	\$ 350.25	\$ 332.21	\$ 329.59	\$ 283.20	\$ 280.58	\$ 283.20	\$ 280.58	\$ -	\$ -	\$ 150.70	\$ 150.70	
22:00	\$ 264.92	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 264.92	\$ 264.92	\$ 283.20	\$ 280.58	\$ 283.20	\$ 280.58	\$ -	\$ -	\$ 150.70	\$ 150.70	
23:00	\$ 255.07	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 283.20	\$ -	\$ 283.20	\$ -	\$ -	\$ -	\$ 150.70	\$ -	
24:00	\$ 255.07	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 283.20	\$ 280.58	\$ 283.20	\$ 280.58	\$ -	\$ -	\$ 150.70	\$ 150.70	
MAX	\$ 372.30					\$ 372.30	\$ 372.30											

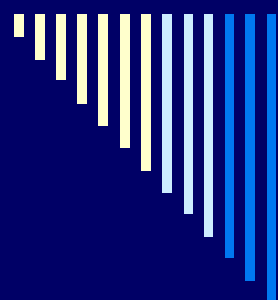
DOCUMENTO DE TRANSACCIONES DE ENERGIA REGIONAL - LOCAL

LIQUIDACION OFICIAL MAYO 2008

Mercado Eléctrico Regional - NICARAGUA

Fecha: Lunes, 23 de Junio de 2008

[illegible]



Monitored Indicators

- Real Time (CNDC-Web)



GENERACION DEL SIN

PLANTAS	U1	U2	U3	U4	U5	U6	Total(MW)
PCA	19.1	19.5					38.6
PSB	15.4	15.3					30.7
PMG			38.0	5.2	5.3		48.5
PNI	47.1	47.5					94.6
PMT	0.0	13.0	6.0				19.0
PLB	0.0	0.0					0.0
CEN							23.2
TPT	9.6	9.6	9.6	9.6	9.6		47.8
PEC	16.9	16.7	17.5	17.5			68.6
NSL	0.0	0.0					0.0
PMR			0.0	0.0	0.0	0.0	0.0
PCH	0.0						0.0
PEN	4.5	4.5					9.0
PHC 1							2.9
PHC 2	11.5	11.5	8.0				31.0
GSR							3.3
PCG 1							9.2
PCG 2							0.0

INTERCONEXIONES	LNI	-2.2	GENERACION REAL	426.4
	MSY	8.2	DEMANDA REAL	420.4
Disponibilidad en Línea:		471.6	% Reserva en Línea:	12.2 %
Racionamiento Estimado Hora: 12:00 PM				0.0
NIVELES DE EMBALSE				
HORA	ASTURIAS	APANAS	LA VIRGEN	
11:00 AM	927.23	952.8	439.7	

Actualizado hasta 26/06/2008 12:01:36 PM Serv.103

Nota: Los datos mostrados son tomados en tiempo real por el Sistema SCADA (Supervisory Control and Data Adquisition).