

**CONSUMO DE COMBUSTIBLE POR TIPO DE PLANTA
SISTEMA INTERCONECTADO NACIONAL Y SISTEMAS AISLADOS**

PLANTAS	1991	1992	1993	1994	1995	1996	1997	1998	1999
Térmicas (Fuel Oil - 10³Glns)	47,585.10	62,707.53	57,124.69	56,674.33	68,582.00	82,190.91	79,614.71	98,197.65	99,642.09
. Nicaragua (GEOSA)	25,956.80	37,459.85	38,478.94	50,676.29	50,508.00	53,983.19	46,564.71	52,737.58	43,817.31
. Nicaragua (Calentamiento)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
. Managua (GECSA)	21,628.30	25,247.68	18,645.76	5,998.05	18,074.00	28,207.72	25,672.84	28,054.96	17,561.86
. Managua (Calentamiento)									
. Censa - AMFELS							7,377.17	13,917.78	10,827.60
. Empresa Energética de Corinto									7,394.59
. Tipitapa Power Company									16,922.91
. Generadora San Rafael, S.A. (Gesarsa)									
. Che Guevara I (Tipitapa) (GECSA)									
. Che Guevara II (Masaya) (GECSA)									
. Che Guevara III (Managua) (GECSA)									
. Nic.Sugar Estate Ltd. (NSEL)								3,487.32	3,117.83
Térmicas + Turbinas a Gas (Diesel - 10³Glns)						22.74	40.99	15.65	76.58
. Managua (Geración + Calentamiento)						22.74	40.99	15.65	13.38
. Empresa Energética Corinto									63.20
. Tipitapa Power Company									
. Las Brisas (Calentamiento)									
.Generadora San Rafael, S.A. (Gesarsa)									
. Hugo Chavez (GECSA) - Motor Comb. Interna									
. Chinandega (Calentamiento)									
Térmicas (10³ Ton. Bagazo de Caña)						179.29	178.59	171.76	161.66
. Nic.Sugar Estate Ltd. (NSEL)									47.65
. Monte Rosa									
. Agroindustrial Azucarera S.A. (Timal)						179.29	178.59	171.76	114.00
Térmicas (Toneladas Métricas de)									
. Nic.Sugar Estate Ltd. (NSEL) - Leña									
. Monte Rosa, S.A. - Leña									
. Nic.Sugar Estate Ltd. (ISA) - Casc.Arroz									

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PLANTAS	1991	1992	1993	1994	1995	1996	1997	1998	1999
Hidroeléctricas (10⁶ m³ de Agua)	645.41	499.75	939.21	739.69	835.77	808.72	851.01	597.65	783.90
. Centroamérica (HIDROGESA)	330.40	257.15	443.33	373.08	360.19	402.25	402.14	294.70	432.00
. Santa Bárbara (HIDROGESA)	279.66	204.66	423.57	316.07	378.29	374.78	324.88	233.91	269.39
. Wabule	5.20	7.05	8.92	10.10	12.20	31.70	123.99	7.37	0.00
. Las Canoas	30.14	30.88	63.40	40.45	85.09			61.66	82.50
. Atder - BL El Bote									
Turbinas a Gas + Térmicas (Diesel Oil - 10³Glns)	87.40	51.59	1,852.70	10,988.73	8,968.10	2,420.62	9,107.10	25,414.79	11,328.08
. Chinandega (GEOSA)	87.40	16.01	0.00	691.77	2,695.80	260.96	1,973.79	4,475.12	2,130.18
. Las Brisas (GECSA)		35.58	1,852.70	10,296.96	6,272.30	2,159.66	7,133.32	20,939.67	9,197.90
. Hugo Chavez (GECSA) - Motor Comb. Interna									
. Che Guevara I (Tipitapa) (GECSA)									
. Che Guevara II (Masaya) (GECSA)									
. Che Guevara III (Managua) (GECSA)									
. Generadora San Rafael, S.A. (Gesarsa)									
Geotérmicas (10³Ton/Vapor)	3,995.20	4,405.93	3,863.94	3,775.60	3,329.20	3,177.04	2,333.36	1,432.73	1,195.00
. Ormat Momotombo Power Company a/	3,995.20	4,405.93	3,863.94	3,775.60	3,329.20	3,177.04	2,333.36	1,432.73	1,195.00
. Polaris Energy Nicaragua, S.A. (Pensa)									
. Ormat Energy Converters (OEC) - MMC Agua Caliente									
Sistemas Aislados (Diesel Oil - 10³Glns)	1,346.34	1,601.35	1,874.94	1,966.98	1,772.38	1,138.61	1,215.47	1,380.67	1,841.91
Sistemas Aislados (Fuel Oil - 10³Glns)									
Sistemas Aislados (Agua - 10³ m³)									
RESUMEN									
Total Fuel Oil (10³ Glns)	47,585.10	62,707.53	57,124.69	56,674.33	68,582.00	82,190.91	79,614.71	98,197.65	99,642.09
Total Diesel (10³ Glns)	1,433.74	1,652.94	3,727.64	12,955.71	10,740.48	3,581.97	10,363.56	26,811.10	13,246.58
Total Vapor Geotérmico (10³Ton/Vapor)	3,995.20	4,405.93	3,863.94	3,775.60	3,329.20	3,177.04	2,333.36	1,432.73	1,195.00
Total Agua (10⁶ m³)	645.41	499.75	939.21	739.69	835.77	808.72	851.01	597.65	783.90
Total Agua Caliente (Salmuera) 10³ M³									
Total Leña (Toneladas)									
Total Cascarilla Arroz (Toneladas)									
Total Bagazo de Caña (10³ Toneladas)						179.29	178.59	171.76	161.66
Total Fuel Oil (10³ Barriles)	1,132.98	1,493.04	1,360.11	1,349.39	1,632.90	1,956.93	1,895.59	2,338.04	2,372.43
Total Diesel (10³ Barriles)	34.14	39.36	88.75	308.47	255.73	85.29	246.75	638.36	315.39

MMC = Miles de Metros Cúbicos.

Dirección de Estudios Económicos y Estadísticas - INE

**CONSUMO DE COMBUSTIBLE POR TIPO DE PLANTA
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PLANTAS	2000	2001	2002	2003	2004	2005	2006	2007	2008
Térmicas (Fuel Oil - 10³Glns)	116,049.43	127,558.11	128,004.93	128,480.58	133,464.66	124,671.75	136,273.13	130,457.76	133,486.84
. Nicaragua (GEOSA)	37,616.49	36,752.84	46,280.85	39,498.28	40,256.17	33,536.96	43,240.21	40,967.70	44,366.92
. Nicaragua (Calentamiento)	36.57	26.86	0.00	0.00	0.00	0.00	0.00	0.00	0.00
. Managua (GECSA)	17,135.95	20,388.82	15,979.15	15,747.86	18,482.38	15,311.28	16,283.07	17,522.80	18,303.38
. Managua (Calentamiento)		3.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00
. Censa - AMFELS	9,143.99	15,696.52	12,058.15	18,148.19	19,795.32	20,002.95	19,381.30	13,837.01	8,641.96
. Empresa Energética de Corinto	28,768.58	29,766.59	29,219.09	30,281.49	29,849.61	31,348.35	31,744.26	32,845.77	30,683.30
. Tipitapa Power Company	23,209.44	24,915.74	24,394.97	24,672.47	24,640.70	24,472.21	25,597.28	25,013.43	24,116.69
. Generadora San Rafael, S.A. (Gesarsa)					440.47			271.05	717.76
. Che Guevara I (Tipitapa) (GECSA)									2,985.78
. Che Guevara II (Masaya) (GECSA)									2,747.69
. Che Guevara III (Managua) (GECSA)									923.37
. Nic.Sugar Estate Ltd. (NSEL)	138.42	7.65	72.71	132.29	0.00	0.00	27.01	0.00	0.00
Térmicas + Turbinas a Gas (Diesel - 10³Glns)	67.85	80.31	132.53	320.52	93.98	68.31	102.58	122.70	324.41
. Managua (Geración + Calentamiento)	3.04	2.76	1.07	0.24	0.00	0.00	0.00	0.00	3.41
. Empresa Energética Corinto	62.45	73.53	128.48	316.93	93.98	66.76	101.78	108.63	300.81
. Tipitapa Power Company								12.95	17.62
. Las Brisas (Calentamiento)	0.42	2.15	0.69	3.36	0.00	0.00	0.00	0.00	0.87
. Generadora San Rafael, S.A. (Gesarsa)									1.24
. Hugo Chavez (GECSA) - Motor Comb. Interna									0.05
. Chinandega (Calentamiento)	1.94	1.86	2.29	0.00	0.00	1.55	0.80	1.12	0.41
Térmicas (10³ Ton. Bagazo de Caña)	350.09	147.36	432.08	531.67	924.92	1,010.79	950.94	1,103.37	990.21
. Nic.Sugar Estate Ltd. (NSEL)	176.64	147.36	174.93	269.12	494.36	585.44	563.41	640.29	574.08
. Monte Rosa			257.15	262.55	430.56	425.35	387.53	463.08	416.13
. Agroindustrial Azucarera S.A. (Timal)	173.45								
Térmicas (Toneladas Métricas de)									
. Nic.Sugar Estate Ltd. (NSEL) - Leña	7,768.62	0.00	27,824.00	21,489.00	50,670.40	25,972.84	26,746.42	29,334.24	29,677.57
. Monte Rosa, S.A. - Leña			832.71	360.90	1,071.43	203.04	300.74	0.00	0.00
. Nic.Sugar Estate Ltd. (ISA) - Casc.Arroz	6,913.00	0.00	0.00	6,333.00	0.00	0.00	0.00	0.00	0.00

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PLANTAS	2000	2001	2002	2003	2004	2005	2006	2007	2008
Hidroeléctricas (10⁶ m³ de Agua)	429.81	350.90	552.38	544.46	582.11	801.60	558.93	578.36	994.53
. Centroamérica (HIDROGESA)	208.31	212.28	310.48	292.86	337.95	392.29	319.77	299.41	496.16
. Santa Bárbara (HIDROGESA)	169.97	138.62	241.90	251.60	244.16	409.31	239.16	274.70	482.26
. Wabule	0.00								
. Las Canoas	51.53								
. Atder - BL El Bote								4.25	16.10
Turbinas a Gas + Térmicas (Diesel Oil - 10³Glns)	4,929.67	3,982.99	972.33	1,760.50	2,175.64	2,068.12	5,020.33	17,697.62	5,329.32
. Chinandega (GEOSA)	438.76	334.96	33.37	97.69	97.08	67.27	110.68	0.00	0.00
. Las Brisas (GECSA)	4,490.91	3,648.03	938.97	1,662.80	2,078.56	2,000.85	4,909.66	10,568.39	1,361.63
. Hugo Chavez (GECSA) - Motor Comb. Interna								7,084.57	3,422.01
. Che Guevara I (Tipitapa) (GECSA)									118.61
. Che Guevara II (Masaya) (GECSA)									85.05
. Che Guevara III (Managua) (GECSA)									225.50
. Generadora San Rafael, S.A. (Gesarsa)					92.38			44.65	116.51
Geotérmicas (10³Ton/Vapor)	1,487.06	2,055.55	1,945.04	1,740.61	1,758.33	1,990.78	2,532.61	2,055.39	2,758.57
. Ormat Momotombo Power Company a/	1,487.06	2,055.55	1,945.04	1,740.61	1,758.33	1,699.73	1,730.53	1,069.42	1,647.19
. Polaris Energy Nicaragua, S.A. (Pensa)						291.05	802.08	985.97	1,111.38
. Ormat Energy Converters (OEC) - MMC Agua Caliente				9,532.62	8,724.48	9,146.49	9,239.55	7,713.66	8,663.83
Sistemas Aislados (Diesel Oil - 10³Glns)	1,872.91	1,964.49	1,531.13	1,130.34	1,171.31	2,090.34	1,784.66	2,028.64	1,963.93
Sistemas Aislados (Fuel Oil - 10³Glns)			782.81	1,266.46	1,381.36	961.31	1,456.43	1,391.74	1,688.83
Sistemas Aislados (Agua - 10³ m³)			1,389.90	1,380.87	1,465.10	1,515.76	1,304.24	282.25	0.00
RESUMEN									
Total Fuel Oil (10³ Glns)	116,049.43	127,558.11	128,787.73	129,747.05	134,846.02	125,633.06	137,729.56	131,849.50	135,175.66
Total Diesel (10³ Glns)	6,870.43	6,027.78	2,635.99	3,211.36	3,440.93	4,226.77	6,907.57	19,848.96	7,617.66
Total Vapor Geotérmico (10³Ton/Vapor)	1,487.06	2,055.55	1,945.04	1,740.61	1,758.33	1,990.78	2,532.61	2,055.39	2,758.57
Total Agua (10⁶ m³)	429.81	350.90	553.77	545.84	583.58	803.12	560.23	578.65	994.53
Total Agua Caliente (Salmuera) 10³ M³				9,532.62	8,724.48	9,146.49	9,239.55	7,713.66	8,663.83
Total Leña (Toneladas)	7,768.62	0.00	28,656.71	21,849.90	51,741.83	26,175.88	27,047.16	29,334.24	29,677.57
Total Cascarilla Arroz (Toneladas)	6,913.00	0.00	0.00	6,333.00	0.00	0.00	0.00	0.00	0.00
Total Bagazo de Caña (10³ Toneladas)	350.09	147.36	432.08	531.67	924.92	1,010.79	950.94	1,103.37	990.21
Total Fuel Oil (10³ Barriles)	2,763.08	3,037.10	3,066.37	3,089.22	3,210.62	2,991.26	3,279.28	3,139.27	3,218.47
Total Diesel (10³ Barriles)	163.58	143.52	62.76	76.46	81.93	100.64	164.47	472.59	181.37

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