



PROYECTO ENMA (ENERGIA Y MEDIO AMBIENTE)
ANEXO I.- SALIDAS DEL EMIR

PLAN ENERGETICO NACIONAL

DICIEMBRE, 1984

empresa nacional adaro de
investigaciones mineras, s.a.
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TITULO	PROYECTO ENMA (ENERGIA Y MEDIO AMBIENTE) <u>ANEXO I.</u> - SALIDAS DEL EMIR
CLIENTE	PLAN ENERGETICO NACIONAL
FECHA	DICIEMBRE, 1984

Referencia: P20810

Departamento: Geología, Prospección y Medio Ambiente

ANEXO I - SALIDAS DEL EMIR

Los resultados del modelo EMIR que se muestran a continuación están basados en los balances de consumo de energía final que establecía el PEN de 1981. Su actualización para simular las previsiones que establece la presente planificación energética (PEN - 83) está pendiente de la disponibilidad de apoyo informático.

Por otra parte, el modelo no recoge las adaptaciones de la previsión de población a la curva logística según se indicaba en el apartado 2.1.

Las salidas del modelo para cada provincia constan de 4 hojas. En la primera aparece la serie histórica de consumo de energía final según tipos de energía, acompañada de la estructura del consumo, y los valores del consumo per capita provincial y el consumo total de energía final para la capital de la provincia.

En la segunda hoja se reflejan las emisiones de SO_2 , Partículas, NO_x y CO para el periodo 1970 - 1979 y para cada tipo de energía final.

La hoja tercera realiza una previsión del consumo energético para los años horizonte 1980, 1985, 1990, 1995 y 2000.

Por último, la cuarta hoja estima las emisiones de contaminantes para las previsiones de consumo en estos años.

 MODELO ESTADICO PARA LA PROVINCIA

CONSUMO FINAL POR FORMAS DE ENERGIA Y SU ESTRUCTURA
 UNIDAD: MILES DE TON Y A

CONSUMO
 PER
 CAPITA CONSUMO
 DE LA
 CAPITAL

ANO	LEN	CASENA	CASO A	CASO B	CASO C	FUELOS	RESIPP	GASNAT	ELECTR	HULLA	ANTRAC	LIGNIT	COQUE	AGLOME	TOTAL	PER CAPITA	DE LA CAPITAL
1971	19.9	81.7	43.2	15.8	0.0	38.1	8.7	0.0	17.1	0.0	0.0	0.0	0.0	0.0	242.6	0.00066	60.51
1972	22.3	43.5	46.6	47.8	0.0	36.4	3.9	0.0	20.9	0.0	0.0	0.0	0.0	0.0	241.5	0.00071	66.67
1973	29.0	93.7	78.7	53.7	0.0	44.7	3.7	0.0	28.3	0.8	6.7	0.0	0.0	0.1	362.7	0.00084	113.66
1974	24.7	68.2	84.6	60.4	0.0	52.8	3.9	0.0	26.0	0.0	0.0	0.0	0.0	0.0	312.1	0.00093	87.89
1975	25.3	58.9	81.5	56.7	0.0	58.3	3.3	0.0	30.0	0.3	2.8	0.0	0.0	0.1	325.0	0.00098	95.62
1976	26.9	66.2	66.9	60.8	0.0	60.5	3.9	0.0	32.5	0.4	9.0	0.0	0.0	0.1	345.2	0.00104	103.75
1977	27.6	70.9	82.8	71.5	0.0	57.5	3.2	0.0	36.3	0.4	6.7	0.0	0.0	0.1	351.6	0.00116	117.12
1978	27.6	73.7	100.5	76.9	15.2	50.6	0.4	0.0	40.0	6.1	6.7	0.0	0.0	0.0	397.1	0.00121	124.56
1979	28.1	80.9	105.7	82.0	11.0	48.3	11.4	0.0	42.1	0.1	6.7	0.0	0.0	0.0	425.7	0.00130	116.44
1980	30.4	85.8	116.3	84.6	20.3	47.1	12.3	0.0	45.0	0.1	6.9	0.0	0.0	0.1	456.9	0.00140	149.00

MODELO ESTADICO DE CONTAMINACION ATMOSFERICA POTENCIAL

UNIDAD = TONELADAS

ANO	CCP	GASOLINA	GASO A	GASO B	GASO C	FUELOS	RESIDUO	CEMENTO	ELECTR	HULLA	ANTHAC	LIGNIT	COQUE	ACIERO	TOTAL
1970	0	54	305	363	0	1194	0	0	0	0	0	0	0	0	2122
1970	4	27	210	151	0	95	9	0	0	0	0	0	0	0	496
1970	10	460	2662	2060	0	191	21	0	0	0	0	0	0	0	5612
1970	0	13000	631	959	0	0	0	0	0	0	0	0	0	0	14093
1971	0	50	532	382	0	1214	5	0	0	0	0	0	0	0	2251
1971	5	29	221	159	0	101	7	0	0	0	0	0	0	0	522
1971	21	493	3619	2169	0	203	18	0	0	0	0	0	0	0	5923
1971	0	13520	665	876	0	0	0	0	0	0	0	0	0	0	15061
1972	1	60	571	429	0	1564	5	0	0	19	160	0	0	0	2842
1972	5	33	248	178	0	125	7	0	0	24	602	0	0	0	1224
1972	23	562	3386	2434	0	250	18	0	0	2	33	0	0	0	6707
1972	0	15686	799	536	0	0	0	0	0	0	0	0	0	0	17170
1973	0	71	672	483	0	1849	5	0	0	0	0	0	0	0	3086
1973	5	38	280	201	0	147	7	0	0	0	0	0	0	0	636
1973	23	655	3806	2740	0	295	18	0	0	0	0	0	0	0	7543
1973	0	16674	840	609	0	0	0	0	0	0	0	0	0	0	20661
1974	0	75	652	469	0	2034	4	0	0	7	201	0	0	0	3452
1974	5	39	271	195	0	163	6	0	0	9	755	0	0	0	1445
1974	23	666	3699	2658	0	326	15	0	0	0	41	0	0	0	7430
1974	0	15863	819	586	0	0	0	0	0	0	0	0	0	0	20264
1975	0	88	687	486	0	2114	5	0	0	4	216	0	0	0	3612
1975	6	66	286	202	0	169	7	0	0	11	810	0	0	0	1537
1975	24	749	3876	2754	0	339	18	0	0	1	45	0	0	0	7826
1975	0	21167	859	607	0	0	0	0	0	0	0	0	0	0	22534
1976	0	94	766	572	0	2014	12	0	0	4	160	0	0	0	3697
1976	6	67	319	238	0	161	18	0	0	11	602	0	0	0	1406
1976	25	604	4346	3243	0	322	42	0	0	1	33	0	0	0	6826
1976	0	22705	950	715	0	0	0	0	0	0	0	0	0	0	24376
1977	0	94	804	611	0	1764	11	0	0	2	160	0	0	0	3617
1977	6	69	335	256	0	181	16	0	0	3	602	0	0	0	1410
1977	25	634	4556	3488	0	283	35	0	0	0	33	0	0	0	6884
1977	0	23500	1005	769	0	0	0	0	0	0	0	0	0	0	25342
1978	0	107	837	656	0	1874	15	0	0	2	160	0	0	0	3719
1978	6	53	340	273	0	130	22	0	0	3	602	0	0	0	1446
1978	27	511	4346	3115	0	270	53	0	0	0	33	0	0	0	5601
1978	0	25720	1046	820	0	0	0	0	0	0	0	0	0	0	27594
1979	0	114	831	676	0	1649	16	0	0	2	165	0	0	0	3804
1979	7	57	387	281	0	151	24	0	0	3	620	0	0	0	1614
1979	21	572	5476	3635	0	293	57	0	0	0	34	0	0	0	10545
1979	0	27455	1167	895	0	0	0	0	0	0	0	0	0	0	29662

PROVINCIA

ALBAICEL

MODELO DINAMICO PARA LA CAPITAL

CONSUMO FINAL POR FORMAS DE ENERGIA Y SU ESTRUCTURA
UNIDAD: MILLONES DE TON Y °C

CONSUMO
PER
CAPITA

CONSUMO
DE LA
CAPITAL

ANO	CEL	CASNA	GASO A	GASO B	GASO C	FULLOI	RESIPP	GASNAT	ELECTR	HULLA	ANTHRAC	LIGNIT	COQUE	AGLONE	TOTAL	CONSUMO PER CAPITA	CONSUMO DE LA CAPITAL
1980	7.2	26.0	33.7	18.0	3.1	19.0	3.0	0.0	18.2	0.1	3.0	0.0	0.0	0.0	141.2	0.00131	141.09
1985	10.0	31.7	40.1	30.4	7.4	21.5	3.7	0.0	17.4	0.1	4.1	0.0	0.0	0.0	167.0	0.00143	166.97
1990	11.2	36.7	45.8	34.8	9.7	23.9	4.9	0.0	18.2	0.1	5.2	0.0	0.0	0.0	192.0	0.00151	192.02
1995	12.5	41.5	50.7	38.9	12.0	26.4	5.1	0.0	23.7	0.2	6.2	0.0	0.0	0.1	217.5	0.00158	217.52
2000	13.8	47.1	57.0	43.3	14.8	28.9	5.9	0.0	27.0	0.2	7.3	0.0	0.0	0.1	244.1	0.00164	244.14

MODELO DINAMICO DE CONTAMINACION ATMOSFERICA POTENCIAL

UNIDAD = TONELADAS

ANO	GLP	GASOLNA	GASO A	GASO B	GASO C	PLCLOI	RESIDU	GASNAI	ELPCTO	HULLA	ANTRAC	LIGNIT	CCQUE	AGLOML	TOTAL
1980 SGE	1	35	277	207	60	685	5	0	0	2	72	8	0	0	1311
1980 PSE	2	17	115	56	1	53	5	0	0	2	272	0	0	0	553
1980 NLX	9	301	1573	1174	10	106	13	0	0	0	15	0	0	0	3268
1980 LC	0	8500	397	555	0	0	0	0	0	0	0	0	0	0	9106
1985 SGE	1	42	221	242	88	752	4	0	0	2	98	0	0	0	1547
1985 PSE	2	21	133	101	1	60	7	0	0	3	369	0	0	0	697
1985 NLX	10	355	1819	1376	14	120	17	0	0	0	20	0	0	0	3735
1985 LC	0	10180	901	303	0	0	0	0	0	0	0	0	0	0	10860
1990 SGE	0	48	362	276	116	837	5	0	0	3	123	0	0	1	1771
1990 PSE	2	28	151	115	2	66	8	0	0	4	463	0	0	0	636
1990 NLX	11	415	2056	1567	19	133	20	0	0	0	25	0	0	0	4245
1990 LC	0	11791	453	345	0	0	0	0	0	0	0	0	0	0	12531
1995 SGE	0	68	408	316	145	923	6	0	0	3	149	0	0	1	1995
1995 PSE	2	27	166	129	2	73	10	0	0	4	559	0	0	1	975
1995 NLX	11	473	2298	1761	23	187	24	0	0	0	31	0	0	0	4768
1995 LC	0	13365	506	586	0	0	0	0	0	0	0	0	0	0	14259
2000 SGE	0	62	444	346	179	1013	7	0	0	4	176	0	0	1	2231
2000 PSE	2	31	187	144	3	81	11	0	0	5	660	0	0	1	1126
2000 NLX	12	533	2589	1564	26	162	27	0	0	0	36	0	0	0	5311
2000 LC	0	15060	562	433	0	0	0	0	0	0	0	0	0	0	16055

PROVINCIA: ILAVA

MODELO ESTADISTICO PARA LA PROVINCIA

CONSUMO FINAL POR FORMAS DE ENERGIA Y SU ESTRUCTURA
UNIDAD: MILES DE TON Y °C

CONSUMO PER
CAPITA CONSUMO
DE LA CAPITAL

ANO	GLP	CASAA	GASO A	GASO B	GASO C	FUELOI	RESIPP	GASNAT	ELECTR	HULLA	ANTRAC	LIGNIT	COQUE	AGLONE	TOTAL	PER CAPITA	DE LA CAPITAL
1970	20.6	25.7	83.3	12.2	0.0	129.7	1.0	2.1	77.3	0.0	0.0	0.0	0.0	0.0	365.0	0.00187	240.00
1971	22.3	31.7	80.5	12.6	0.0	176.9	1.3	0.0	103.3	0.0	0.0	0.0	0.0	0.0	394.8	0.00194	264.64
1972	23.6	30.3	82.7	18.7	0.0	210.8	1.8	0.0	123.1	2.2	10.0	0.0	5.5	0.1	491.0	0.00236	333.60
1973	19.0	42.3	59.1	16.2	0.0	236.8	3.2	0.0	116.4	0.0	0.0	0.0	0.0	0.0	514.2	0.00237	354.72
1974	20.0	42.1	62.7	16.0	0.0	201.3	2.8	0.0	122.6	6.5	12.5	0.0	5.5	0.2	474.5	0.00251	403.47
1975	35.0	47.3	72.3	16.0	0.0	249.0	2.7	0.0	153.2	4.8	10.8	0.0	2.5	0.5	600.7	0.00259	426.51
1976	42.6	50.1	71.7	15.5	11.4	210.3	1.0	0.0	157.1	3.1	8.0	0.0	2.3	0.3	608.8	0.00258	438.49
1977	47.0	53.4	84.0	22.6	40.5	204.1	0.6	0.0	165.7	2.6	1.0	0.0	2.3	0.2	634.1	0.00256	464.69
1978	48.0	51.0	83.1	27.0	50.9	196.5	0.0	0.0	192.4	1.8	3.0	0.0	2.0	0.1	681.9	0.00261	500.80
1979	51.1	62.0	84.0	26.7	76.5	184.2	0.8	0.0	210.5	1.5	2.7	0.0	1.8	0.1	762.5	0.00267	530.24

MODELO DINAMICO PARA LA CAPITAL

CONSUMO FINAL POR FORMA DE ENERGIA Y SU ESTRUCTURA

UNIDAD = MILES DE TON

CONSUMO
PER
CAPITA
CONSUMO
DE LA
CAPITAL

ANU	JLP	GASNA	GASO A	GASO B	GASO C	FULLOI	RESIPP	CASNAT	ELECTR	HULLA	ANTRAC	LIGNIT	COQUE	AGLOME	TOTAL	CONSUMO PER CAPITA	CONSUMO DE LA CAPITAL
1961	35.5	47.8	7.5	17.5	39.5	108.8	1.2	0.0	158.8	3.1	5.1	0.0	2.6	0.2	570.7	0.00275	570.67
1962	55.9	64.8	96.4	21.6	65.7	226.3	1.3	0.0	288.5	4.7	7.9	0.0	3.8	0.3	762.2	0.00269	762.23
1963	7.1	8.5	12.5	3.5	8.6	29.7	0.2	0.0	27.4	0.6	1.0	0.0	0.5	0.0			
1964	13.2	18.2	130.7	39.9	98.2	278.0	1.8	0.0	215.0	6.5	10.3	0.0	3.3	0.5	1002.6	0.00298	1002.63
1965	97.6	113.1	172.3	46.7	140.2	342.6	1.6	0.0	361.6	8.7	14.4	0.0	7.3	0.7	1317.6	0.00307	1307.61
1966	7.0	8.7	13.2	3.6	10.7	26.2	0.1	0.0	27.7	0.7	1.1	0.0	0.6	0.1			
2000	127.5	148.3	222.2	61.1	198.5	423.1	1.8	0.0	411.8	11.5	19.8	0.0	9.9	0.7	1657.3	0.00316	1657.26
	7.0	8.7	13.2	3.6	10.7	26.2	0.1	0.0	27.7	0.7	1.1	0.0	0.6	0.1			

MODELO DINAMICO DE CONTAMINACION ATMOSFERICA POTENCIAL

UNIDAD = TONELADAS

ANO	DEF	GASERA	GASO A	GASO B	GLSO C	FUELOS	DESTR	CASNAI	ELECTR	BULLA	ANTHAC	LIGRII	CCOUL	ACLOME	TOTAL
1980 SO2	0	43	940	156	478	8477	1	0	0	0	0	0	0	0	0
1980 P.E	9	21	241	65	6	517	2	0	0	74	131	0	27	5	7990
1980 NLX	36	541	3296	385	79	1035	5	0	0	99	492	0	0	0	5513
1980 CO	0	15250	725	195	0	0	0	0	0	0	27	0	0	0	16210
1985 SO2	0	86	781	212	788	7922	1	0	0	0	0	0	0	0	0
1985 P.E	14	45	328	82	14	633	2	0	0	112	189	0	40	8	10145
1985 NLX	51	334	4464	1204	131	1267	6	0	0	141	709	0	0	0	2016
1985 CO	0	20745	583	265	0	0	0	0	0	14	39	0	12	1	7920
1990 SO2	0	114	1047	283	1178	9733	1	0	0	0	0	0	0	0	21994
1990 P.E	17	57	436	118	21	778	2	0	0	154	261	0	56	11	12838
1990 NLX	69	377	5935	1405	196	1557	6	0	0	193	941	0	0	0	2668
1990 CO	0	17522	1309	359	0	0	0	0	0	19	54	0	16	1	10435
1995 SO2	0	161	1378	372	1681	11994	1	0	0	0	0	0	0	0	27250
1995 P.E	23	75	574	155	30	959	3	0	0	207	354	0	77	15	16232
1995 NLX	93	1286	7410	2115	280	1919	7	0	0	259	1329	0	0	0	3402
1995 CO	0	16312	1722	466	0	0	0	0	0	25	73	0	23	1	13632
2000 SO2	0	147	1801	488	2337	14814	2	0	0	0	0	0	0	0	48500
2000 P.E	30	98	75	203	42	1185	3	0	0	276	474	0	103	21	20513
2000 NLX	123	1680	10208	2768	385	2370	8	0	0	345	1778	0	0	0	4554
2000 CO	0	8745	2251	610	0	0	0	0	0	34	98	0	31	2	17311
															50319

INC

RECIBO ESTADICO PARA LA PROVINCIA

CONSUMO FINAL POR FORMAS DE ENERGIA Y SU ESTRUCTURA

CONSUMO PER CAPITA CONSUMO DE LA CAPITAL

UNIDAD = MILES DE TCC Y T

ANO	GP	GASNA	CASO A	CASO B	CASO C	FUELOS	RESIPP	GASNAT	ELECTR	HULLA	ANTRAC	LIGNIT	COQUE	AGLOME	TOTAL	PER CAPITA	CAPITAL
1971	58.2	125.7	104.2	59.7	0.0	202.3	37.4	0.0	127.8	0.0	0.0	0.0	0.0	0.0	759.5	0.00083	140.44
1971	5.7	20.1	15.9	1.6	0.0	26.6	7.0	0.0	16.3	0.0	0.0	0.0	0.0	0.0	643.7	0.00090	160.72
1971	5.5	19.9	12.7	7.4	0.0	25.3	9.2	0.0	16.2	0.0	0.0	0.0	0.0	0.0	759.8	0.00100	191.06
1972	58.7	125.3	125.7	70.0	0.0	210.6	35.1	0.0	159.8	1.8	2.1	1.1	0.9	0.3	759.8	0.00100	191.06
1972	5.7	20.2	12.8	7.7	0.0	24.0	7.7	0.0	16.2	0.5	0.2	0.1	0.1	0.0	643.7	0.00090	160.72
1973	93.2	229.3	139.8	61.0	0.0	264.3	125.1	0.0	174.6	0.0	0.0	0.0	0.0	0.0	1107.3	0.00113	222.62
1973	8.4	20.7	12.6	7.3	0.0	23.9	11.3	0.0	15.8	0.0	0.0	0.0	0.0	0.0	1107.3	0.00113	222.62
1974	95.6	235.9	145.1	80.2	0.0	243.3	130.0	0.0	190.2	1.0	5.0	0.8	1.5	0.0	1081.0	0.00108	210.34
1974	5.9	21.7	13.3	7.8	0.0	26.3	10.0	0.0	17.5	0.1	0.0	0.0	0.1	0.0	1081.0	0.00108	210.34
1975	71.3	254.7	164.5	69.8	0.0	248.0	124.4	0.0	193.4	1.4	0.0	0.5	1.0	0.0	1051.7	0.00106	222.19
1975	5.1	23.3	15.1	8.2	0.0	22.7	9.5	0.0	17.7	0.1	0.0	0.0	0.1	0.0	1051.7	0.00106	222.19
1976	102.0	277.6	170.9	83.8	0.0	320.4	155.5	0.0	219.4	1.8	0.5	0.8	0.5	0.0	1217.3	0.00115	249.30
1976	5.9	25.2	15.1	11.3	0.0	26.3	12.3	0.0	18.0	0.1	0.0	0.0	0.1	0.0	1217.3	0.00115	249.30
1977	101.0	266.0	167.4	111.4	16.5	337.3	132.7	0.0	227.2	0.7	0.4	0.0	0.7	0.0	1262.6	0.00110	264.13
1977	7.9	22.3	15.1	8.7	1.3	26.3	2.6	0.0	17.7	0.1	0.0	0.0	0.1	0.0	1262.6	0.00110	264.13
1978	105.9	310.3	172.0	97.3	20.3	340.0	139.9	0.0	250.0	1.3	0.3	0.8	0.6	0.0	1255.8	0.00113	260.39
1978	5.7	24.8	13.7	10.7	2.1	27.1	3.2	0.0	19.8	0.1	0.0	0.0	0.0	0.0	1255.8	0.00113	260.39
1979	113.1	331.3	180.9	124.8	31.2	351.0	144.6	0.0	263.4	1.1	0.2	0.3	0.5	0.0	1445.2	0.00127	301.35
1979	7.8	22.9	12.5	8.6	2.3	24.3	3.1	0.0	18.2	0.1	0.0	0.0	0.0	0.0	1445.2	0.00127	301.35

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MODELO DINAMICO PARA LA CAPITAL

CONSUMO ETAL POR FORMAS DE ENERGIA Y SU ESTRUCTURA

UNIDAD = MILES DE TON Y A

CONSUMO PER
CAPITA

CONSUMO DE LA
CAPITAL

AÑO	CCP	CASNA	CASO	A	CASA	B	GASO	C	FUELOS	RESIPP	GASNAT	ELECTR	HULLA	ANTRAC	LIGNIT	COQUE	AGLOME	TOTAL	PER CAPITA	DE LA CAPITAL
1980	25.5	07.5	15.5	15.5	1.5	15.7	6.5	0.0	25.1	0.4	0.3	0.1	0.2	0.0	0.1	0.0	0.0	258.4	0.00122	298.63
1985	30.1	08.7	21.5	23.2	6.3	25.2	6.4	0.0	49.6	0.4	0.4	0.1	0.3	0.0	0.1	0.0	0.0	367.9	0.00128	367.67
1991	37.1	10.9	26.2	27.5	2.7	32.2	6.0	0.0	76.0	0.4	0.5	0.1	0.4	0.0	0.1	0.0	0.0	486.8	0.00133	496.36
1995	43.1	13.4	29.7	32.1	11.5	34.9	1.2	0.0	104.4	0.7	0.6	0.2	0.5	0.0	0.1	0.0	0.0	537.2	0.00136	537.20
2000	51.0	16.2	34.8	37.0	14.7	37.9	0.0	0.0	126.0	0.8	0.7	0.3	0.6	0.0	0.1	0.0	0.0	643.2	0.00144	643.16

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HCADLLO ESTADISTICO PARA LA PROVINCIA

CONSUMO FINAL POR FORMAS DE ENERGIA Y SU ESTRUCTURA
UNIDAD: MILES DE TON Y K

CONSUMO PER
CAPITA

CONSUMO DE LA
CAPITAL

ANO GEP GASLHA GASO A GASO B GASO C FUELOS RESIPP GASNAT ELECTR HULLA ANTRAC LIGNIT COQUE AGLOME TOTAL

ANO	GEPI	GASLHA	GASO A	GASO B	GASO C	FUELOS	RESIPP	GASNAT	ELECTR	HULLA	ANTRAC	LIGNIT	COQUE	AGLOME	TOTAL	CONSUMO PER CAPITA	CONSUMO DE LA CAPITAL
1970	12.1	29.5	30.1	11.8	0.0	15.7	4.4	0.0	11.4	0.0	0.0	0.0	0.0	0.0	194.4	0.00091	56.68
1971	14.6	33.2	32.7	16.6	0.0	11.1	4.3	0.0	25.4	0.0	0.0	0.0	0.0	0.0	212.6	0.00096	64.29
1972	14.5	35.0	32.7	15.7	0.0	17.1	5.9	0.0	18.1	0.1	0.0	0.0	0.0	0.0	232.5	0.00091	70.30
1973	21.3	45.3	41.7	17.2	0.0	15.8	8.3	0.0	30.6	0.0	0.0	0.0	0.0	0.0	249.6	0.00095	76.16
1974	21.1	46.2	43.9	18.9	0.0	13.0	6.6	0.0	12.0	0.1	0.0	0.0	0.0	0.0	261.2	0.00098	80.29
1975	26.4	50.8	47.5	16.8	0.0	14.3	5.5	0.0	35.2	0.1	0.0	0.0	0.0	0.0	263.9	0.00099	81.41
1976	25.7	48.4	45.2	15.2	0.0	12.1	6.1	0.0	31.3	0.1	0.0	0.0	0.0	0.0	281.3	0.00073	87.20
1977	24.7	57.4	57.2	16.4	0.6	22.2	8.2	0.0	46.3	0.1	0.0	0.0	0.0	0.0	349.2	0.00090	106.83
1978	25.5	52.1	50.7	15.8	1.4	21.5	7.3	0.0	51.8	0.0	0.0	0.0	0.0	0.0	421.7	0.00110	134.64
1979	26.2	67.2	60.0	16.6	1.2	27.0	11.7	0.0	55.3	0.0	0.0	0.0	0.0	0.0	449.9	0.00115	141.78

PROYECTO ALMERIA

MODELO DINAMICO PARA LA CAPITAL

CONSUMO FINAL POR FORMA DE ENERGIA Y SU ESTRUCTURA
UNIDAD: MILES DE TON Y 1

CONSUMO PER
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CAPITAL

AN	GLP	GASNA	GASO A	GASO B	GASO C	FUELOI	RLSTPP	GASNAT	ELECTR	HULLA	ANTRAC	LIGNIT	COQUE	AGLOME	TOTAL	CONSUMO PER CAPITA	CONSUMO DE LA CAPITAL
1981	0.5	10.7	21.2	13.8	0.9	25.1	2.7	0.0	11.8	0.0	0.0	0.0	0.0	0.0	120.8	0.00098	120.80
1982	0.5	17.2	22.2	18.1	0.8	21.1	2.2	0.0	12.8	0.0	0.0	0.0	0.0	0.0	130.4	0.00107	130.40
1983	9.3	24.0	30.3	21.8	1.3	30.6	3.0	0.0	18.1	0.0	0.0	0.0	0.0	0.0	154.0	0.00114	153.98
1984	1.7	17.3	21.9	15.8	1.0	22.1	2.2	0.0	13.1	0.0	0.0	0.0	0.0	0.0	166.7	0.00119	166.67
1985	11.2	22.5	30.1	22.8	1.3	31.1	3.2	0.0	24.8	0.0	0.0	0.0	0.0	0.0	181.0	0.00123	181.04
1986	1.1	17.5	20.8	15.2	1.3	23.5	2.1	0.0	13.3	0.0	0.0	0.0	0.0	0.0			

-----MODELO DINAMICO PARA LA CAPITAL-----

CONSUMO FINAL POR TURNOS DE OPERATA Y SU ESTRUCTURA
 UNIDAD: MILES DE TONELADAS

CONSUMO PER
 DE LA
 CAPITAL

AN.	UE	CASNA	CASO A	CASO B	CASO C	FUELOI	RESIPP	CASNAT	ELECTR	HULLA	ANTRAC	LIGNIT	COQUE	AGLOME	TOTAL	CONSUMO PER CAPITAL	CONSUMO DE LA CAPITAL
13	1-78	3.0	8.5	6.0	8.5	2.0	2.5	1.2	0.0	0.0	0.0	0.0	0.0	0.0	13.2	0.00094	13.28
14	1-79	3.18	15.10	20.1	19.1	3.8	8.3	0.7	0.0	11.27	0.0	0.0	0.0	0.0	41.9	0.00105	41.86
15	1-80	3.5	10.4	8.6	8.2	3.0	3.4	0.2	0.0	4.3	0.0	0.3	0.0	0.0	0.0	0.00113	19.72
16	1-81	3.4	24.9	20.4	19.6	7.1	8.2	0.6	0.0	10.3	0.0	0.7	0.0	0.0	0.0	0.00120	57.98
17	1-82	4.4	14.3	12.0	11.6	6.1	4.6	0.3	0.0	4.9	0.0	0.4	0.0	0.0	0.0	0.00125	60.57
18	1-83	7.6	24.8	20.7	20.4	8.9	8.0	0.4	0.0	8.5	0.0	0.7	0.0	0.0	0.0		
19	1-84	4.7	16.5	13.7	13.7	5.3	5.3	0.3	0.0	7.2	0.0	0.5	0.0	0.0	0.0		
20	1-85	1.5	24.7	20.9	20.0	5.0	7.9	0.8	0.0	7.8	0.0	0.7	0.0	0.0	0.0		

MODELO DINAMICO DE CONTAMINACION ATMOSFERICA POTENCIAL

UNIDAD = TONELADAS

AÑO	CEL	HABANA	CASO A	CASO B	CASO C	FLEET	RESTO	CASAT	ELECTR	MULLA	ANTRAC	LIGNIT	COQUE	AGROM	TOTAL
1988 SOC	0	41	54	91	25	98	0	0	0	0	0	0	0	0	241
1988 P.S.	0	5	22	51	0	7	0	0	0	0	18	0	0	0	73
1988 NLX	2	95	306	292	3	15	1	0	0	0	1	0	0	0	717
1988 LG	0	2705	67	64	0	0	0	0	0	0	0	0	0	0	2836
1989 SOC	0	13	64	65	15	114	0	0	0	0	6	0	0	0	306
1989 P.S.	0	0	24	27	0	9	0	0	0	0	24	0	0	0	94
1989 NLX	3	115	386	372	5	19	1	0	0	0	1	0	0	0	905
1989 LG	0	3332	85	82	0	0	0	0	0	0	0	0	0	0	3499
1990 SOC	0	16	61	79	48	140	0	0	0	0	8	0	0	0	372
1990 P.S.	0	5	34	33	0	11	0	0	0	0	30	0	0	0	111
1990 NLX	3	139	463	451	6	22	1	0	0	0	1	0	0	0	1088
1990 LG	0	3548	102	99	0	0	0	0	0	0	0	0	0	0	3749
1995 SOC	0	14	46	44	61	162	0	0	0	0	9	0	0	0	441
1995 P.S.	1	9	40	39	1	12	0	0	0	0	37	0	0	0	139
1995 NLX	4	162	544	534	10	25	1	0	0	0	2	0	0	0	1282
1995 LG	0	4588	120	117	0	0	0	0	0	0	0	0	0	0	4825
2000 SOC	0	21	111	109	75	189	0	0	0	0	11	0	0	0	512
2000 P.S.	1	17	40	35	1	14	0	0	0	0	44	0	0	0	161
2000 NLX	4	136	630	622	12	29	1	0	0	0	2	0	0	0	1486
2000 LG	0	5268	119	117	0	0	0	0	0	0	0	0	0	0	5594

PROVINCIA

BADAJOZ

MODELO ESTADICO PARA LA PROVINCIA

CONSUMO FINAL POR FORMAS DE ENERGIA Y SU ESTRUCTURA
UNIDAD = MILES DE TON Y °C

CONSUMO PER
CAPITA
CONSUMO DE LA
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ANO	PL	LASNA	GASO A	GASO B	GASO C	FULLOI	RESIPP	GASNAT	ELECTR	HULLA	ANTRAC	LIGNIT	COQUE	AGLOME	TOT. L	CONSUMO PER CAPITA	CONSUMO DE LA CAPITAL
1971	27.3	47.3	51.9	50.7	0.0	80.8	9.7	0.0	31.4	0.0	0.0	0.0	0.0	0.0	301.6	0.00041	42.70
1971	30.9	64.9	54.0	52.7	0.0	67.3	11.7	0.0	31.9	0.0	0.0	0.0	0.0	0.0	303.4	0.00044	43.71
1972	34.0	65.6	64.9	63.3	0.0	69.8	10.5	0.0	38.4	0.0	0.0	0.0	0.0	0.0	351.1	0.00052	52.57
1973	37.8	72.0	62.8	59.6	0.0	75.0	9.6	0.0	43.2	0.0	0.0	0.0	2.8	0.0	363.6	0.00056	57.13
1974	42.8	84.6	72.4	73.0	0.3	68.5	11.3	0.0	51.5	0.0	0.0	0.0	2.8	0.0	425.6	0.00067	69.27
1975	51.8	93.4	73.8	69.0	12.5	45.1	4.0	0.0	54.0	3.7	0.0	0.0	2.9	0.0	453.6	0.00073	75.35
1976	56.1	97.9	79.5	81.8	17.3	54.4	9.4	0.0	60.4	0.7	0.0	0.0	2.1	0.0	453.1	0.00074	76.71

MODELO DINAMICO PARA LA CAPITAL

CONSUMO FINAL POR FORMAS DE ENERGIA Y SU ESTRUCTURA
UNIDAD: MILES DE TONELADAS

CONSUMO PER CAPITA
CONSUMO DE LA CAPITAL

AN.	GLP	GASNA	GASO A	GASO B	GASO C	FUELOS RESIPP	GASNAT	ELECTR	HULLA	ANTRAC	LIGNIT	COQUE	AGLOME	TOTAL	CONSUMO PER CAPITA	CONSUMO DE LA CAPITAL
1961	7.5	15.7	14.5	15.5	1.7	10.7	1.1	0.0	9.1	1.1	0.0	0.0	0.0	72.6	0.00071	72.62
1962	8.4	17.1	13.5	13.7	2.1	10.5	1.7	0.0	10.2	1.4	0.0	0.0	0.7	79.3	0.00076	79.29
1971	8.0	18.0	18.3	18.7	2.4	10.1	1.6	0.0	11.1	1.7	0.0	0.0	0.8	84.9	0.00080	84.82
1972	9.6	19.9	15.0	15.4	2.4	9.7	1.6	0.0	11.9	2.0	0.0	0.0	0.9	89.0	0.00083	88.75
2000	10.1	21.1	17.0	17.8	2.5	10.1	1.7	0.0	12.0	2.2	0.0	0.0	1.0	92.9	0.00086	92.67

MODULO DINAMICO DE CONTAMINACION ATMOSFERICA POTENCIAL

UNIDAD = TONELADAS

ANO	GLP	GASENA	GASO A	GASO B	GASO C	FUELOS	RESIDU	GASNAI	ELPCTH	MULLA	ANTRAC	LIGNIT	COQUE	ACLOMI	TOTAL
1981	0	20	09	100	16	382	2	0	0	28	0	0	5	0	652
1982	1	16	41	41	0	30	3	0	0	33	0	0	5	0	164
1983	7	172	563	568	2	61	7	0	0	3	0	0	1	0	1385
1984	0	9160	129	125	0	0	0	0	0	0	0	0	0	0	5115
1985	0	22	101	103	24	367	2	0	0	34	0	0	7	0	672
1986	1	11	48	45	0	29	3	0	0	43	0	0	7	0	193
1987	7	193	610	622	4	58	7	0	0	4	0	0	2	0	1507
1988	0	570	139	137	0	0	0	0	0	0	0	0	0	0	5747
1989	0	29	114	117	30	353	2	0	0	41	0	0	6	0	689
1990	2	12	47	48	0	28	3	0	0	51	0	0	6	0	199
1991	6	211	647	664	5	56	7	0	0	5	0	0	2	0	1605
1992	0	5563	192	190	0	0	0	0	0	0	0	0	0	0	6251
1993	0	26	114	123	34	340	2	0	0	46	0	0	9	0	699
1994	2	12	45	51	0	27	3	0	0	50	0	0	6	0	212
1995	8	223	679	700	5	54	7	0	0	5	0	0	2	0	1686
1996	0	6377	195	154	0	0	0	0	0	0	0	0	0	0	6682
2000	0	2	124	129	39	327	2	0	0	52	0	0	10	0	711
2001	2	14	51	53	0	26	3	0	0	65	0	0	10	0	224
2002	9	239	706	731	6	52	7	0	0	6	0	0	3	0	1759
2003	0	6751	154	161	0	0	0	0	0	0	0	0	0	0	7667

RECULLO ESTADISTICO PARA LA PROVINCIA

CONSUMO FINAL POR FORMAS DE ENERGIA Y SU ESTRUCTURA

UNIDAD = MILES DE TON Y L

CONSUMO PER CAPITA CONSUMO DE LA CAPITAL

AN	LLP	DALNA	GASO A	GASO B	GASO C	FUELOS	RESIPP	GASNAT	FLECTR	HULLA	ANTHAC	LIGNIT	COQUE	AGLONE	TOTAL	PER CAPITA	DE LA CAPITAL
1970	15.4	124.7	55.1	73.3	0.0	185.5	373.8	0.0	25.7	0.0	0.0	0.0	0.0	0.0	872.4	0.00165	353.47
1971	66.5	140.4	75.8	97.7	0.0	107.8	402.0	0.0	79.5	0.0	0.0	0.0	0.0	0.0	966.0	0.00180	398.06
1972	74.1	155.3	75.9	100.0	0.0	152.0	461.5	0.0	85.0	1.0	2.5	2.3	0.6	0.7	1119.0	0.00203	467.13
1973	88.7	179.3	86.7	114.6	0.0	148.1	527.6	0.0	104.6	0.0	0.0	0.0	0.0	0.0	1245.9	0.00222	527.57
1974	51.3	172.3	71.7	102.2	0.0	153.1	435.6	0.0	110.4	0.0	1.2	1.8	0.0	0.4	800.0	0.00157	367.17
1975	31.5	178.2	77.5	100.5	0.0	158.1	497.7	0.0	114.6	0.0	1.0	1.3	0.0	0.0	911.1	0.00166	397.90
1976	55.3	162.8	74.3	110.8	12.8	137.6	433.6	0.0	117.7	0.0	0.8	0.8	0.0	0.0	816.7	0.00153	405.42
1977	85.7	186.2	75.3	108.6	34.3	116.8	211.5	0.0	122.4	0.0	0.7	0.0	0.0	0.0	943.8	0.00154	423.25
1978	52.7	203.3	85.3	119.6	47.4	99.2	213.0	0.0	121.3	0.0	0.2	0.0	0.0	0.0	1009.0	0.00161	458.26
1979	97.1	217.2	80.0	127.8	34.9	130.5	242.5	0.0	144.3	0.0	0.0	0.0	0.0	0.0	1082.4	0.00170	457.40

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MODELO DINAMICO PARA LA CAPITAL

CONSUMO FINAL POR FORMAS DE ENERGIA Y SU ESTRUCTURA

UNIDAD = MILES DE TON

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AN.	CELULOSA	CASO A	CASO B	CASO C	FUELOS	RESIPP	GASNAT	ELECTR	HULLA	ANTRAC	LIGNIT	COQUE	AGLOME	TOTAL	PER CAPITA	DE LA CAPITAL	
1980	46.1	101.0	81.5	51.3	19.0	61.0	10.7	0.0	63.5	0.1	0.8	0.1	0.0	0.0	472.2	0.00163	472.20
1985	56.6	124.1	51.1	74.6	20.0	67.0	95.4	0.0	84.9	0.2	0.4	0.3	0.0	0.0	570.7	0.00159	570.69
1991	65.7	150.0	61.1	84.8	25.4	75.0	93.1	0.0	104.1	0.2	0.5	0.3	0.0	0.0	665.1	0.00157	665.72
1992	64.9	162.0	72.5	101.5	33.9	84.9	92.2	0.0	127.7	0.3	0.6	0.5	0.0	0.0	779.3	0.00155	779.30
2000	74.0	219.2	84.5	121.3	42.9	96.2	92.0	0.0	154.0	0.3	0.8	0.5	0.0	0.0	919.1	0.00153	919.14

MODELO DINAMICO DE CONTAMINACION ATMOSFERICA POTENCIAL

UNIDAD: TONELADAS

YR	GLF	GRSNT	CASO A	CASO B	CASO C	ELECTR	PESTER	CASHAT	ELECTH	HULLA	ANTHAC	LIGHTI	COQUE	ACELONE	TOTAL
1980 SOC		134	340	466	161	2135	134	0	0	3	0	43	0	0	3436
1980 PSE	10	67	141	154	5	170	261	0	0	4	32	34	0	0	656
1980 NLX	43	1184	1928	2644	27	341	470	0	0	0	1	1	0	0	6594
1980 CO	0	32327	425	593	0	0	0	0	0	0	0	0	0	0	33330
1985 SOC	0	183	408	504	239	2345	127	0	0	4	10	50	0	0	3912
1985 PSE	13	52	170	235	4	187	190	0	0	6	39	40	0	0	965
1985 NLX	3	1407	2315	3196	39	375	445	0	0	0	2	2	0	0	7636
1985 CO	0	35727	510	705	0	0	0	0	0	0	0	0	0	0	40992
1990 SOC	0	261	448	676	317	2626	124	0	0	5	12	58	0	0	4519
1990 PSE	16	130	203	282	5	210	166	0	0	6	47	46	0	0	1101
1990 NLX	65	1706	2766	3342	52	420	434	0	0	0	2	2	0	0	9294
1990 CO	0	38297	610	897	0	0	0	0	0	0	0	0	0	0	43704
1995 SOC	0	242	582	812	406	2973	122	0	0	6	15	68	0	0	5226
1995 PSE	12	121	242	336	7	237	184	0	0	7	57	54	0	0	1266
1995 NLX	76	2062	3305	4601	67	475	430	0	0	0	3	2	0	0	11021
1995 CO	0	58230	728	1015	0	0	0	0	0	0	0	0	0	0	65573
2000 SOC	0	254	634	870	510	3390	122	0	0	7	18	80	0	0	6082
2000 PSE	23	145	289	404	9	271	184	0	0	9	68	64	0	0	1464
2000 NLX	54	2479	3935	5498	85	542	429	0	0	0	3	3	0	0	13664
2000 CO	0	70012	868	1212	0	0	0	0	0	0	0	0	0	0	72092

PROVINCIA BARCELONA

MODELO ESTADISTICO PARA LA PROVINCIA

CONSUMO FINAL POR FORMAS DE ENERGIA Y SU ESTRUCTURA

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CAPITAL

UNIDAD: MILES DE TON Y °

ALC. L.P. GAS/LA GASO A GASO B GASO C FUELOS RESIDUO CASNAT ELECTR. HULLA ANTRAC. LIGNIT. COQUE AGLOME. TOTAL

AÑO	L.P.	GAS/LA	GASO A	GASO B	GASO C	FUELOS	RESIDUO	CASNAT	ELECTR.	HULLA	ANTRAC.	LIGNIT.	COQUE	AGLOME.	TOTAL	PER	CAPITAL
1970	800.2	595.7	203.2	120.7	0.0	2183.1	112.8	51.4	718.8	0.0	0.0	0.0	0.0	0.0	4769.4	0.00124	2141.41
1971	435.6	662.4	382.6	196.2	0.0	2180.7	216.0	0.0	636.1	0.0	0.0	0.0	0.0	0.0	4907.7	0.00124	2156.82
1972	291.1	754.8	533.0	222.2	0.0	2137.6	221.5	0.0	971.2	1.5	52.6	40.9	12.6	0.0	5495.1	0.00131	2366.28
1973	485.4	869.7	451.0	252.3	0.0	2488.1	276.8	0.0	1085.2	0.0	0.0	0.0	0.0	0.0	5965.3	0.00143	2489.32
1974	436.0	910.0	451.0	251.1	0.0	2586.3	435.2	0.0	1152.3	2.9	87.3	43.8	18.3	3.7	6169.6	0.00146	2542.72
1975	467.5	901.5	477.6	234.6	0.0	2119.7	237.7	0.0	1143.4	6.4	10.4	36.1	33.0	3.4	5730.0	0.00143	2316.45
1976	416.2	1004.1	562.2	221.0	35.8	2239.8	43.9	0.0	1242.5	9.7	9.2	15.3	25.5	2.1	6084.9	0.00146	2401.45
1977	474.4	1032.5	548.3	278.1	107.7	2155.0	236.0	0.0	1299.6	3.5	7.3	22.4	31.7	1.1	6206.6	0.00146	2396.12
1978	503.3	1039.7	436.1	121.7	145.3	2032.6	46.9	0.0	1311.4	1.3	6.8	16.2	23.7	1.7	6287.9	0.00147	2379.16
1979	566.7	1149.5	547.3	351.4	177.4	2207.5	264.3	1862.6	1413.5	4.0	4.0	16.2	27.1	0.2	8534.9	0.00142	3161.48

MODELO DINAMICO PARA LA CAPITAL

CONSUMO FINAL POR FORMAS DE ENERGIA Y SU ESTRUCTURA
UNIDAD: MILES DE TONELADAS

CONSUMO PER
CAPITA CONSUMO DE LA
CAPITAL

ANO CIP CASO A CASO B CASO C FUELOS RESIPP CASNAT ELECTR HULLA ANTRAC LIGNIT COQUE AGLOME TOTAL

1980	190.6	425.0	217.7	110.7	39.5	840.5	96.7	138.1	833.1	3.1	6.1	10.1	12.5	0.8	2638.9	0.00182	2638.86
1985	191.6	407.1	227.3	122.8	50.3	795.3	96.2	173.7	668.4	3.5	6.3	11.8	15.1	1.0	2729.5	0.00157	2729.50
1990	192.1	421.3	234.3	127.7	56.5	759.9	94.3	202.5	694.9	3.8	6.8	13.0	17.2	1.1	2795.9	0.00161	2795.86
1995	192.3	510.7	239.9	131.6	65.3	729.9	93.5	225.9	616.2	3.2	6.6	13.9	18.9	1.2	2848.5	0.00164	2848.46
2000	192.5	523.1	248.6	138.8	71.0	703.6	92.7	245.8	638.1	3.1	6.6	14.7	20.3	1.1	2862.2	0.00166	2862.16

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PROVINCIA BUENOS AIRES

MODELO ESTADISTICO PARA LA PROVINCIA

CONSUMO FINAL POR FORMAS DE ENERGIA Y SU ESTRUCTURA
UNIDAD: MILLES DE TON Y °

CONSUMO PER CAPITA CONSUMO DE LA CAPITAL

ANI	CEL	LAJUNA	GASO A	GASO B	GASO C	FUELOS	RESIPP	GASNAT	ELECTR	HULLA	ANTRAC	LIGNIT	COQUE	AGLOME	TOTAL	CONSUMO PER CAPITA	CONSUMO DE LA CAPITAL
1970	21.5	12.0	16.5	83.5	0.0	163.8	1.1	1.6	11.2	0.0	0.0	0.0	0.0	0.0	819.8	0.00116	132.75
1971	24.5	12.5	16.5	85.2	0.0	229.3	1.7	0.0	67.4	0.0	0.0	0.0	0.0	0.0	456.0	0.00138	162.96
1972	26.5	13.5	17.5	88.5	0.0	287.9	2.4	0.0	62.1	42.7	6.2	11.2	3.8	0.0	609.3	0.00162	220.17
1973	28.0	14.2	18.2	89.8	0.0	322.7	3.9	0.0	71.1	0.0	0.0	0.0	0.0	0.0	670.7	0.00169	234.76
1974	33.4	15.1	19.1	91.7	0.0	326.9	3.9	0.0	77.5	2.9	14.2	0.0	1.5	0.6	709.4	0.00202	256.27
1975	37.6	16.0	20.0	95.3	0.0	295.7	2.8	0.0	69.7	2.4	11.3	0.0	1.9	0.0	627.7	0.00197	256.43
1976	39.1	16.7	20.7	96.5	11.5	346.3	3.9	0.0	73.0	10.7	15.7	5.3	2.0	0.0	678.4	0.00262	336.26
1977	43.7	17.6	21.6	98.5	36.3	380.7	0.3	0.0	88.4	64.6	8.0	4.1	2.5	0.0	951.8	0.00276	377.18
1978	45.5	18.5	22.5	99.1	5.8	386.6	0.0	0.0	103.0	4.8	0.6	0.2	0.2	0.0	650.8	0.00276	388.25
1979	46.9	19.5	23.5	94.5	66.0	323.4	0.2	1656.4	101.5	45.1	7.1	1.1	2.3	0.0	2815.8	0.00830	1184.76

PROVINCIA E

BURGO

MODELO DINAMICO PARA LA CAPITAL

CONSUMO FINAL POR TORNAS DE ENERGIA Y SU ESTRUCTURA
UNIDAD - MILES DE TON Y °

CONSUMO PER
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CAPITAL

AÑO	CLP	GASAAA	GASO-A	GASO-B	GASO-C	FUELOS	RESPP	GASNAT	FLECT	HULLA	ANTRAC	LIGNIT	COQUE	AGLONE	TOTAL	CONSUMO PER CAPITA	CONSUMO DE LA CAPITAL
1980	43.5	43.1	15.2	43.1	17.1	206.4	0.4	35.8	87.0	25.7	1.2	1.8	1.5	0.1	601.5	0.00914	601.47
1985	26.7	63.9	94.2	52.0	27.3	250.8	0.7	153.5	54.7	38.5	10.6	2.4	2.2	0.1	779.3	0.00476	779.28
1990	33.6	74.3	109.7	60.6	38.2	293.8	0.4	216.0	61.8	52.0	14.3	2.9	2.9	0.1	960.8	0.00521	960.84
1995	39.2	85.2	125.4	69.6	50.3	338.8	0.2	245.0	69.1	66.9	18.2	3.5	3.6	0.1	1155.0	0.00557	1155.61
2000	45.0	95.9	143.2	79.2	63.8	381.4	0.0	362.8	76.8	83.0	22.7	4.1	4.5	0.2	1365.6	0.00586	1369.55

MODELO DINAMICO DE CONTAMINACION ATMOSFERICA POTENCIAL
UNIDAD: TONELADAS

ANIO	GLF	BASCHA	CASO A	BASO B	CASO C	FUFLOI	RESITE	GASNAI	ELPETR	HULLA	ANTHRC	LIGNIT	COQUE	AGLOME	TOTAL
1980	0	76	625	344	205	7242	1	0	0	677	173	273	15	1	9566
1980	5	35	266	143	3	579	1	1	0	771	648	219	15	1	2681
1980	22	601	3546	1954	34	1158	3	147	0	77	36	10	4	0	7632
1980	0	16992	752	431	0	0	0	0	0	0	0	0	0	0	18205
1985	0	48	753	415	327	8781	0	1	0	923	255	354	22	1	11917
1985	0	62	313	173	6	702	1	2	0	1153	956	283	22	1	3660
1985	27	725	4265	2355	54	1405	3	300	0	115	53	14	6	0	9324
1985	0	20532	591	519	1	0	0	0	0	0	0	0	0	0	21893
1990	0	99	877	484	458	10287	0	1	0	1248	342	436	10	2	14284
1990	0	49	365	201	8	823	0	3	0	1560	1283	349	30	2	4681
1990	32	642	4572	2746	76	1646	2	423	0	156	71	17	5	0	10592
1990	0	21781	1056	605	0	0	0	0	0	0	0	0	0	0	23462
1995	0	113	1006	536	603	11863	0	1	0	1605	437	524	31	3	16749
1995	5	50	419	231	11	949	0	3	0	2006	1641	419	18	2	5744
1995	37	565	5755	3154	100	1898	0	558	0	200	91	20	11	0	12739
1995	0	27262	1256	695	0	0	0	0	0	0	0	0	0	0	29214
2000	0	12	1145	633	785	13560	0	2	0	2004	544	621	47	3	19453
2000	10	64	477	264	14	1084	0	5	0	2105	2040	452	47	3	7610
2000	42	1694	6492	3592	127	2169	0	710	0	250	113	24	14	0	14631
2000	0	31005	1432	792	0	0	0	0	0	0	0	0	0	0	33229

PROVINCIA DE CÁDIZ

MODELO ESTADÍSTICO PARA LA PROVINCIA

CONSUMO FINAL POR FORMAS DE ENERGÍA Y SU ESTRUCTURA
UNIDAD: MILES DE TONELADAS

CONSUMO PER CAPITA
CONSUMO DE CAPITAL

AÑO	UPL	GASUNA	GASO A	GASO B	GASO C	FUELOS	RESIPP	GASINAT	ELECTR	HULLA	ANTRAC	LIGNIT	COQUE	AGLOME	TOTAL	CONSUMO PER CAPITA	CONSUMO DE CAPITAL
1970	17.0	21.6	25.3	13.8	0.0	7.4	0.0	0.0	11.3	0.0	0.5	0.0	0.0	0.0	104.1	0.00022	12.32
1971	21.0	24.0	26.3	12.8	0.0	10.3	0.4	0.0	14.9	0.0	0.0	0.0	0.0	0.0	169.6	0.00024	13.18
1972	15.1	21.6	23.1	14.3	0.0	13.4	0.4	0.0	18.3	0.0	0.0	0.0	0.0	0.0	124.8	0.00027	15.41
1973	24.0	33.6	35.7	17.3	0.0	16.0	0.4	0.0	19.2	0.0	0.1	0.0	0.0	0.0	146.3	0.00033	18.58
1974	27.2	33.6	34.8	15.0	0.0	16.3	0.4	0.0	21.0	0.0	0.0	0.0	0.0	0.0	147.5	0.00034	19.31
1975	25.4	37.0	32.5	17.7	0.0	17.1	0.4	0.0	22.7	0.0	0.0	0.0	0.0	0.0	152.9	0.00035	20.55
1976	26.8	41.5	39.0	15.3	0.0	17.3	0.0	0.0	25.0	0.0	0.0	0.0	0.0	0.0	172.9	0.00041	23.68
1977	28.2	43.2	35.4	18.3	0.0	18.3	0.2	0.0	27.9	0.0	0.0	0.0	0.0	0.0	183.2	0.00044	26.02
1978	31.0	47.8	39.0	22.3	0.0	15.0	0.0	0.0	24.3	0.0	0.0	0.0	0.0	0.0	197.5	0.00048	28.84
1979	34.0	51.0	41.4	21.4	0.0	15.0	0.2	0.0	35.4	0.0	0.0	0.0	0.0	0.0	213.7	0.00053	32.08

MODELO DINAMICO PARA LA CAPITAL

CONSUMO FINAL POR FORMAS DE ENERGIA Y SU ESTRUCTURA
UNIDAD: MILES DE TCC Y T

CONSUMO PER
CAPITA
CONSUMO DE LA
CAPITAL

ANO	LEP	CASNA	CASO	GASO	B	GASJ	C	FUELOI	RESIPP	GASNAT	ELECTR	HULLA	ANTRAC	LIGNIT	COQUE	AGLONE	TOTAL	CONSUMO PER CAPITA	CONSUMO DE LA CAPITAL
1-80	9.6	7.1	5.5	3.0	1.2	2.3	0.2	0.0	0.0	4.3	0.0	0.0	0.0	0.0	0.0	0.0	29.0	0.00047	29.00
1-85	5.2	6.5	6.6	3.7	1.7	3.3	0.2	0.0	0.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	33.7	0.00052	33.72
1991	5.7	7.7	7.2	3.7	2.2	3.7	0.6	0.0	0.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	36.0	0.00056	37.97
1992	6.2	10.9	7.6	4.0	2.6	4.2	0.2	0.0	0.0	6.2	0.0	0.0	0.0	0.0	0.0	0.0	42.1	0.00058	42.66
2004	5.7	12.1	3.4	4.3	3.1	4.6	0.3	0.0	0.0	5.7	0.0	0.0	0.0	0.0	0.0	0.0	46.1	0.00061	46.11

MODELO ESTADISTICO PARA LA PROVINCIA

CONSUMO FINAL POR FORMAS DE ENERGIA Y SU ESTRUCTURA
UNIDAD = MILES DE TON Y Y

CONSUMO PER
CAPITA
CONSUMO DE LA
CAPITAL

ANO	GLP	CASNA	GASO A	GASO B	GASO C	FUELO	RESIPP	CASNAT	ELECTR	HULLA	ANTRAC	LIGNIT	COQUE	AGLOME	TOTAL	CONSUMO PER CAPITA	CONSUMO DE LA CAPITAL
1970	58.1	77.8	25.5	128.8	0.0	100.0	6.9	0.0	15.7	7.7	3.9	0.0	3.3	0.0	739.0	0.00088	111.74
1971	60.7	86.1	49.2	172.8	0.0	118.7	54.8	0.0	83.3	1.1	10.2	0.0	4.9	0.0	867.6	0.00098	132.47
1972	71.6	98.8	67.3	168.4	0.0	106.2	48.5	0.0	98.3	0.8	0.8	0.0	2.7	0.0	829.0	0.00093	120.27
1973	74.8	127.2	85.9	214.3	0.0	172.0	36.3	0.0	99.0	1.8	0.6	0.0	5.4	0.0	1017.4	0.00113	154.36
1974	131.1	161.1	71.8	220.0	0.0	181.9	56.8	0.0	119.5	0.6	0.7	0.0	3.7	0.0	1381.3	0.00151	208.93
1975	83.0	141.4	102.9	263.3	0.0	120.5	57.4	0.0	105.2	0.4	0.5	0.0	2.8	0.0	1367.5	0.00148	206.68
1976	92.7	150.3	113.5	242.5	3.4	120.1	51.9	0.0	129.0	0.2	0.4	0.0	1.9	0.0	1316.1	0.00141	197.65
1977	97.9	155.3	104.6	311.7	21.8	188.7	62.4	0.0	143.5	0.1	0.4	0.0	4.4	0.0	1691.0	0.00179	253.28
1978	102.4	168.0	107.7	272.5	33.0	189.9	65.3	0.0	153.9	0.2	0.2	0.0	5.1	0.0	1617.0	0.00169	241.36
1979	113.1	177.8	115.2	335.7	36.1	194.0	73.9	0.0	168.2	0.1	0.3	0.0	3.1	0.0	1818.8	0.00188	270.55

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MODELO DINAMICO PARA LA CAPITAL

CONSUMO FINAL POR FORMAS DE ENERGIA Y SU ESTRUCTURA
UNIDAD - MILES DE TEC Y T

CONSUMO PER
CAPITA CONSUMO
DE LA
CAPITAL

ANL LLE GASLA GASO A GASO B GASO C FUELOI RESIPP GASNAT ELECTN NULLA ANTRAC LIGNIT COQUE AGLOME TOTAL

1980	15.0	27.0	17.7	40.1	3.5	112.0	11.3	0.0	22.7	0.0	0.0	0.0	0.0	0.0	0.0	257.1	0.00173	457.11
1985	16.7	30.5	19.6	51.6	4.9	131.5	13.4	0.0	25.3	0.0	0.0	0.0	0.0	0.0	0.0	294.1	0.00195	494.14
1991	17.7	33.4	21.7	55.3	6.1	148.0	15.3	0.0	27.5	0.0	0.0	0.0	0.0	0.0	0.0	326.1	0.00208	526.10
1995	18.6	36.3	22.7	60.7	7.4	163.5	17.0	0.0	29.8	0.0	0.0	0.0	0.0	0.0	0.0	356.2	0.00218	556.19
2000	19.5	38.9	24.1	65.8	8.6	178.3	18.6	0.0	31.5	0.0	0.0	0.0	0.0	0.0	0.0	385.0	0.00226	585.02

MODELO ESTADISTICO PARA LA PROVINCIA

CONSUMO FINAL POR FORMAS DE ENERGIA Y SU ESTRUCTURA
UNIDAD - MILES DE TON Y °

CONSUMO PER
CAPITA CONSUMO DE LA
CAPITAL

ANU	ULP	CASENA	GASO A	GASO B	GASO C	FUELOS	RESTPP	CASNAT	ELECTR	HULLA	ANTRAC	LIGNIT	COQUE	AGLONE	TOTAL	PER CAPITA	DE LA CAPITAL
1970	25.8	26.5	5.3	11.0	0.0	200.5	1.7	0.0	26.1	0.1	0.0	0.1	0.0	0.0	432.3	0.00112	102.23
1971	31.2	31.3	5.8	12.1	0.0	231.0	1.7	0.0	59.3	0.0	0.0	0.1	0.0	0.0	472.3	0.00122	114.50
1972	38.3	38.3	6.3	17.7	0.0	352.3	1.8	0.0	61.5	0.0	0.0	0.3	0.0	0.0	628.5	0.00160	155.90
1973	41.0	42.0	9.8	18.2	0.0	413.5	2.1	0.0	79.1	0.0	0.0	0.1	0.0	0.0	765.1	0.00193	192.54
1974	53.0	51.0	13.0	21.5	0.0	571.0	1.7	0.0	93.5	0.0	0.0	0.1	0.0	0.0	953.7	0.00238	240.32
1975	65.7	64.1	17.9	27.4	0.0	590.6	1.5	0.0	94.6	0.0	0.0	0.1	0.0	0.0	1005.9	0.00249	263.92
1976	75.2	74.1	21.5	31.5	0.0	575.1	1.2	0.0	104.1	0.0	0.0	0.1	0.0	0.0	1061.4	0.00259	284.02
1977	95.8	94.9	25.7	35.3	23.4	673.9	0.8	0.0	106.1	0.0	0.0	0.1	0.0	0.0	1159.6	0.00290	327.49
1978	111.1	112.0	31.0	41.8	31.4	571.4	0.6	0.0	116.2	0.0	0.0	0.0	0.0	0.0	1216.1	0.00290	326.41
1979	122.1	127.7	35.5	46.7	38.9	510.8	0.4	0.0	122.7	0.0	0.0	0.0	0.0	0.0	1234.8	0.00293	350.67

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MODELO DINAMICO PARA EL CAPITAL

CONSUMO FÍSICO POR FORMAS DE ENERGÍA Y SU ESTRUCTURA
UNIDAD: MILES DE TONELADAS

CONSUMO PER
CAPITA CONSUMO
DE LA CAPITAL

AN.	LEN	CASERA	GASO A	GASO B	GASO C	FUELOS	RESIPP	GASNAT	ELECTR	HULLA	ANTRAC	LIGNIT	COQUE	AGLOME	TOTAL	PER CAPITA	DE LA CAPITAL
13	1.80	33.4	37.2	35.0	21.9	17.1	195.8	0.0	0.0	33.1	0.0	0.0	0.0	0.0	371.6	0.00302	371.63
14	1.85	43.6	45.9	43.2	27.7	21.5	253.8	0.0	0.0	37.6	0.0	0.0	0.0	0.0	421.4	0.00336	421.42
15	1.90	50.9	55.2	52.1	34.1	27.1	317.2	0.0	0.0	46.0	0.0	0.0	0.0	0.0	601.5	0.00361	601.47
16	1.95	70.1	65.7	62.0	41.2	52.6	389.0	0.0	0.0	54.8	0.0	0.0	0.0	0.0	737.5	0.00381	737.51
17	2.00	81.9	77.7	74.3	48.4	62.3	471.8	0.0	0.0	63.6	0.0	0.0	0.0	0.0	894.1	0.00397	894.14

-----MODELO DINAMICO DE CONTAMINACION ATMOSFERICA POTENCIAL-----
 UNIDAD = TONELADAS

ANO	GLI	GASENA	GASO A	GASO B	GASO C	FUELOI	HEXIFO	GISHAT	EECTR	MULLA	ANTRAC	LISKIT	COQUE	ALUMI	TOTAL
1980 SC2	0	44	280	175	205	6854	0	0	0	0	0	0	0	0	7563
1980 P.D	7	24	116	73	3	546	0	0	0	0	0	0	0	0	771
1980 NLX	25	421	1537	582	34	1096	0	0	0	0	0	0	0	0	4155
1980 LG	0	11691	350	219	0	0	0	0	0	0	0	0	0	0	12460
1985 SC2	0	64	445	221	329	8886	0	0	0	0	0	0	0	0	9842
1985 P.D	11	30	144	92	6	710	0	0	0	0	0	0	0	0	992
1985 NLX	41	514	1960	1257	54	1421	0	0	0	0	0	0	0	0	5252
1985 LG	0	19677	434	277	0	0	0	0	0	0	0	0	0	0	15386
1990 SC2	0	73	416	272	469	11106	0	0	0	0	0	0	0	0	12336
1990 P.D	13	36	173	113	6	888	0	0	0	0	0	0	0	0	1231
1990 NLX	54	625	2361	1543	78	1777	0	0	0	0	0	0	0	0	6436
1990 LG	0	17673	520	390	0	0	0	0	0	0	0	0	0	0	18533
1995 SC2	0	87	445	329	630	13822	0	0	0	0	0	0	0	0	15163
1995 P.D	17	43	206	137	11	1069	0	0	0	0	0	0	0	0	1503
1995 NLX	65	744	2610	1567	105	2179	0	0	0	0	0	0	0	0	7773
1995 LG	0	21631	619	411	0	0	0	0	0	0	0	0	0	0	22061
2000 SC2	0	103	580	394	626	16518	0	0	0	0	0	0	0	0	18421
2000 P.D	21	51	244	164	15	1321	0	0	0	0	0	0	0	0	1616
2000 NLX	85	880	3322	2237	136	2643	0	0	0	0	0	0	0	0	9303
2000 LG	0	19661	732	493	0	0	0	0	0	0	0	0	0	0	26086

FLUO: PROGRAM CHECK INTERRUPT - PSW C016000F42006D56 - REAL DIVISION BY ZERO.
 FLUO: TRACEBACK FOLLOWS.
 FLUO: MAIN PROGRAM LEVEL REACHED IN THE TRACEBACK.
 FLUO: PROGRAM EXECUTION CONTINUES.

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 FLUO: TRACEBACK FOLLOWS.
 FLUO: MAIN PROGRAM LEVEL REACHED IN THE TRACEBACK.
 FLUO: PROGRAM EXECUTION CONTINUES.

PLUFI TRACEBACK FOLLOWS
PLUFI PROGRAM EXECUTION CONTINUES.

PLUFI PROGRAM CHECK INTERRUPT - PSW 0016000F#2006056 - REAL DIVISION BY ZERO.
PLUFI TRACEBACK FOLLOWS
PLUFI MAIN PROGRAM LEVEL REACHED IN THE TRACEBACK.
PLUFI PROGRAM EXECUTION CONTINUES.

PLUFI PROGRAM CHECK INTERRUPT - PSW 0016000F#2006056 - REAL DIVISION BY ZERO.
PLUFI TRACEBACK FOLLOWS
PLUFI MAIN PROGRAM LEVEL REACHED IN THE TRACEBACK.
PLUFI PROGRAM EXECUTION CONTINUES.

PLUFI PROGRAM CHECK INTERRUPT - PSW 0016000F#2006056 - REAL DIVISION BY ZERO.
PLUFI TRACEBACK FOLLOWS
PLUFI MAIN PROGRAM LEVEL REACHED IN THE TRACEBACK.
PLUFI PROGRAM EXECUTION CONTINUES.

PLUFI PROGRAM CHECK INTERRUPT - PSW 0016000F#2006056 - REAL DIVISION BY ZERO.
PLUFI TRACEBACK FOLLOWS
PLUFI MAIN PROGRAM LEVEL REACHED IN THE TRACEBACK.
PLUFI PROGRAM EXECUTION CONTINUES.

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PLUFI PROGRAM EXECUTION CONTINUES.

MOLLO ESTADICO PARA LA PROVINCIA

CONSUMO FINAL POR FUENTES DE ENERGIA Y SU ESTRUCTURA
UNIDAD: MILES DE TON Y °

CONSUMO PER
DE LA
CAPITA CAPITAL

ANO	CLP	CASAA	CASO A	CASO B	CASO C	FUELOS	RESIRP	GASNAT	LLECTR	HULLA	ANTRAC	LIGHT	COQUE	AGLOME	TOTAL	CONSUMO PER CAPITA	CONSUMO DE LA CAPITAL
1970	19.7	21.0	128.8	53.3	0.0	83.8	11.5	0.0	10.4	51.1	0.2	0.0	0.2	0.0	521.1	*****	U.C
1971	23.7	36.3	130.4	37.1	0.0	87.7	12.8	0.0	83.0	4.6	0.2	0.0	0.5	0.7	467.6	*****	U.C
1972	25.7	65.8	180.3	38.0	0.0	118.4	11.5	0.0	91.1	6.4	0.2	0.0	0.5	0.8	586.6	*****	U.C
1973	28.1	79.2	169.3	112.9	0.0	159.7	10.8	0.0	96.9	2.1	0.5	0.0	1.3	0.3	661.1	*****	U.C
1974	28.4	75.0	161.8	107.5	0.0	155.2	7.8	0.0	125.6	16.5	1.8	0.0	1.4	2.5	687.2	*****	U.C
1975	31.6	68.7	173.1	111.9	0.0	106.1	6.0	0.0	86.1	16.0	0.4	0.0	0.9	4.6	624.4	*****	U.C
1976	33.3	55.3	165.5	136.4	5.2	100.0	6.0	0.0	102.2	0.1	0.5	0.0	2.1	1.8	668.0	*****	U.C
1977	35.6	58.5	153.8	145.7	24.3	146.4	2.7	0.0	106.9	0.2	0.5	0.0	1.7	0.5	756.8	*****	U.C
1978	34.4	107.5	153.3	155.5	25.3	183.8	2.1	0.0	105.7	0.2	0.5	0.0	1.4	0.6	756.1	*****	U.C
1978	2220.0	116.5	208.0	165.8	40.2	139.1	1.5	0.0	108.1	0.2	0.5	0.0	0.6	0.5	3007.9	*****	U.C

RECIBO ESTADICO PARA LA PROVINCIA

CONSUMO FINAL POR FORMAS DE ENERGIA Y SU ESTRUCTURA
 UNIDAD = MILES DE TCC Y S

CONSUMO PER
 CAPITA
 CONSUMO DE LA
 CAPITAL

ANO	LEP	GASINA	GASO A	ASO B	GASO C	FUELOS	RESIPP	GASINAT	ELECTR	HULLA	ANTRAC	LIGNIT	COQUE	AGLOPE	TOTAL	PER CAPITA	DE LA CAPITAL
1970	19.1	31.0	124.8	87.3	0.0	33.8	11.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	621.1	*****	C.C
1971	23.7	36.3	120.9	87.7	0.0	37.7	12.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	407.6	*****	C.C
1972	28.1	35.8	108.3	81.0	0.0	118.4	11.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	166.6	*****	C.C
1973	28.1	39.2	108.3	112.5	0.0	159.7	10.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	661.1	*****	C.C
1974	28.1	39.2	108.3	112.5	0.0	159.7	10.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	661.1	*****	C.C
1975	31.6	38.7	173.1	111.9	0.0	106.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	624.4	*****	C.C
1976	33.3	35.3	185.3	132.9	0.0	108.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	668.4	*****	C.C
1977	35.6	38.5	193.8	145.7	24.3	146.4	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	756.8	*****	C.C
1978	37.6	37.5	195.9	159.5	34.3	143.8	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	786.1	*****	C.C
1979	38.0	38.5	208.0	165.8	40.2	139.1	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3007.9	*****	C.C

MODELO ESTADISTICO DE CONTAMINACION ATMOSFERICA POTENCIAL

UNIDAD = TONELADAS

ANO	GLI	HASLKA	PASO A	PASO B	PASO C	COQUE	RESTOS	CASNAI	ELECTR	MULLA	ANTRAC	LIGNIT	COQUE	ACELONE	TOTAL
1970	SO2	0	6	598	666	0	2934	18	0	1423	4	0	1	0	6112
1970	PM10	4	34	415	277	0	234	27	0	1779	17	0	1	0	2786
1970	NOx	18	678	5657	3774	0	469	63	0	177	0	0	0	0	10736
1970	CO	0	1420	1297	632	0	0	0	0	0	0	0	0	0	13399
1971	SO2	0	75	1047	698	0	3064	17	0	110	4	0	4	16	5040
1971	PM10	5	57	436	290	0	245	25	0	138	17	0	4	13	1239
1971	NOx	22	637	5456	3457	0	491	59	0	13	0	0	1	2	11116
1971	CO	0	18000	1307	672	0	0	0	0	0	0	0	0	0	20161
1972	SO2	0	41	1160	790	0	4144	15	0	129	4	0	4	19	6378
1972	PM10	6	43	464	329	0	331	23	0	161	17	0	4	16	1424
1972	NOx	24	746	6725	4461	0	663	53	0	16	0	0	1	2	12711
1972	CO	0	21071	1463	988	0	0	0	0	0	0	0	0	0	21442
1973	SO2	0	105	1354	903	0	5589	14	0	50	12	0	13	7	8047
1973	PM10	6	52	564	376	0	447	21	0	63	45	0	13	6	1593
1973	NOx	26	697	7677	5120	0	894	56	0	6	2	0	4	6	14676
1973	CO	0	25345	1653	1129	0	0	0	0	0	0	0	0	0	26165
1974	SO2	0	105	1291	880	0	5434	10	0	396	43	0	14	55	8208
1974	PM10	6	52	564	376	0	447	21	0	63	45	0	13	6	1593
1974	NOx	27	655	7316	4875	0	869	36	0	46	9	0	4	6	14086
1974	CO	0	25345	1619	1075	0	0	0	0	0	0	0	0	0	27384
1975	SO2	0	116	1384	895	0	5714	8	0	384	9	0	9	110	6671
1975	PM10	7	52	576	373	0	297	12	0	446	35	0	5	92	1940
1975	NOx	29	1004	7847	5072	0	594	28	0	48	1	0	2	13	14636
1975	CO	0	28364	1750	1119	0	0	0	0	0	0	0	0	0	31217
1976	SO2	0	127	1482	1063	104	5529	5	0	7	12	0	24	43	6400
1976	PM10	7	63	617	443	2	282	6	0	9	45	0	23	36	1535
1976	NOx	31	1073	8356	6024	16	564	12	0	0	2	0	7	5	16146
1976	CO	0	30950	1652	1529	0	0	0	0	0	0	0	0	0	33661
1977	SO2	0	171	1550	1165	291	5124	3	0	4	12	0	17	12	8309
1977	PM10	6	65	645	465	5	409	5	0	5	45	0	17	10	1699
1977	NOx	25	1116	8785	6602	41	819	12	0	0	2	0	5	1	17424
1977	CO	0	31335	1937	1456	0	0	0	0	0	0	0	0	0	34526
1978	SO2	0	143	1563	1244	412	5034	2	0	4	12	0	14	14	6442
1978	PM10	9	71	651	516	7	402	4	0	5	45	0	14	12	1738
1978	NOx	37	1414	8566	7051	63	805	4	0	0	2	0	4	1	13055
1978	CO	0	34815	1554	1555	0	0	0	0	0	0	0	0	0	37524
1979	SO2	15	155	1664	1326	482	4869	2	0	4	12	0	5	12	8564
1979	PM10	30	77	693	552	2	355	3	0	0	45	0	5	10	2312
1979	NOx	212	1520	9854	7514	40	775	7	0	0	0	0	1	1	21255
1979	CO	0	37555	2080	1657	0	0	0	0	0	0	0	0	0	41032

Suma de Comp. 1 a 22

MODELO DINAMICO PARA LA CAPITAL

CONSUMO FINAL POR FORMAS DE ENERGIA Y SU ESTRUCTURA
EN MILONES DE TONELADAS

CONSUMO PER
CAPITA

CONSUMO DE LA
CAPITAL

ANU. LLE GASLKA CASO A CASO B CASO C FULLOS RESIPP GASNAT ELECTR HULLA ANTRAC LIGNIT COQUE AGLOME TOTAL

ANU.	LLE	GASLKA	CASO A	CASO B	CASO C	FULLOS	RESIPP	GASNAT	ELECTR	HULLA	ANTRAC	LIGNIT	COQUE	AGLOME	TOTAL	CONSUMO PER CAPITA	CONSUMO DE LA CAPITAL
1981	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	*****	C.D
	C.D	15.7	37.7	20.1	2.0	17.5	0.2	0.0	19.6	0.0	0.1	0.0	0.3	0.3	0.0	*****	C.D
1982	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	*****	C.D
	C.D	15.3	26.2	20.4	3.5	19.6	0.0	0.0	13.6	0.0	0.1	0.0	0.3	0.3	0.0	*****	C.D
1991	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	*****	C.D
	C.D	15.7	28.2	21.6	4.1	19.4	0.0	0.0	12.8	0.0	0.1	0.0	0.3	0.4	0.0	*****	C.D
1992	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	*****	C.D
	C.D	16.1	26.3	20.8	4.6	19.2	0.0	0.0	12.2	0.0	0.1	0.0	0.4	0.4	0.0	*****	C.D
2001	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	*****	C.D
	C.D	16.4	26.1	20.9	5.0	19.0	0.0	0.0	11.7	0.0	0.1	0.0	0.4	0.4	0.0	*****	C.D

MODELO DINAMICO DE CONTAMINACION ATMOSFERICA POTENCIAL

UNIDAD = TONELADAS

AÑO	COQUE	ANTRAC	LIGNIT	CEQUE	AGLOME	TOTAL
1980 ST2	0	0	0	0	0	0
1980 P31	0	0	0	0	0	0
1980 NCA	0	0	0	0	0	0
1980 LL	0	0	0	0	0	0
1985 ST2	0	0	0	0	0	0
1985 P31	0	0	0	0	0	0
1985 NCA	0	0	0	0	0	0
1985 LL	0	0	0	0	0	0
1990 ST2	0	0	0	0	0	0
1990 P31	0	0	0	0	0	0
1990 NCA	0	0	0	0	0	0
1990 LL	0	0	0	0	0	0
1995 ST2	0	0	0	0	0	0
1995 P31	0	0	0	0	0	0
1995 NCA	0	0	0	0	0	0
1995 LL	0	0	0	0	0	0
2000 ST2	0	0	0	0	0	0
2000 P31	0	0	0	0	0	0
2000 NCA	0	0	0	0	0	0
2000 LL	0	0	0	0	0	0

MIDULO ESTADICO PARA LA PROVINCIA

CONSUMO FICTAL POR FORMAS DE ENERGIA Y SU ESTRUCTURA
CIUDAD - MILES DE TEG Y A

CONSUMO PER
CAPITA

CONSUMO
DE LA
CAPITAL

Año	CLP	GASINA	CASO	A	TAS	B	GASO	C	FUELOS	RESIPP	GASNAT	ELECIN	HULLA	ANTRAC	LIGNIT	COQUE	AGLOME	TOTAL	PER CAPITA	CAPITAL
1970	44.4	54.2	51.8	37.3	0.0	205.0	2.8	0.0	11.1	5.8	1.1	0.0	2.0	0.0	0.0	0.0	0.0	507.3	*****	C.U.
1971	42.6	52.8	52.4	42.9	0.0	164.6	2.5	0.0	61.1	3.8	0.7	0.0	2.6	0.1	0.0	0.5	0.0	486.7	*****	C.U.
1972	51.9	65.4	104.4	48.7	0.0	178.9	2.8	0.0	66.9	3.9	1.2	0.0	2.3	0.0	0.0	0.0	0.0	523.2	*****	C.U.
1973	53.3	69.5	123.1	52.7	0.0	211.2	3.2	0.0	75.7	3.6	1.4	0.0	2.9	0.0	0.0	0.0	0.0	610.6	*****	C.U.
1974	58.1	77.4	112.4	60.4	0.0	210.5	2.8	0.0	87.3	2.5	3.6	0.0	1.3	0.0	0.0	0.0	0.0	602.1	*****	C.U.
1975	56.1	63.4	113.6	48.6	0.0	205.6	2.5	0.0	87.1	3.6	3.3	0.0	2.2	0.1	0.0	0.0	0.0	606.6	*****	C.U.
1976	56.0	63.0	112.5	53.1	0.0	212.0	2.8	0.0	83.4	3.3	3.4	0.0	3.1	0.0	0.0	0.0	0.0	641.0	*****	C.U.
1977	64.5	81.5	117.1	61.0	12.3	200.6	2.4	0.0	84.1	0.7	2.3	0.0	2.0	0.0	0.0	0.0	0.0	653.3	*****	C.U.
1978	71.0	100.0	114.3	66.8	15.0	213.4	2.1	0.0	101.0	0.5	0.3	0.0	0.0	0.0	0.0	0.0	0.0	689.0	*****	C.U.
1979	102.9	120.4	68.7	17.5	149.5	1.7	1056.4	102.5	0.3	1.9	0.0	0.9	0.0	0.0	0.0	0.0	0.0	4685.5	*****	C.U.

MODELO ESTADISTICO DE CONTAMINACION ATMOSFERICA POTENCIAL

UNIDAD = TONELADAS

AN	CO	GASOL	CASO A	CASO B	CASO C	FUELOS	RESIST	CASAS	ELECTR	MULLA	ANISAC	LIGNIT	COQUE	ALUMIN	TOTAL
1970	SOL	0	72	754	319	0	7204	3	0	0	115	26	0	20	8468
1970	PS	16	36	305	130	0	576	5	0	144	99	0	20	0	1325
1970	NCL	42	613	4161	1741	0	1152	13	0	0	14	5	6	0	7767
1970	LO	1	1732	917	392	0	0	0	0	0	0	0	0	0	18637
1971	SOL	0	77	763	321	0	5934	3	0	0	91	16	0	26	7241
1971	PS	11	35	312	136	0	474	5	0	0	114	62	0	24	1187
1971	NCL	47	676	4524	1656	0	949	11	0	0	11	3	0	6	7667
1971	LO	1	15151	954	409	0	0	0	0	0	0	0	0	0	20514
1972	SOL	0	91	83	357	0	6194	3	0	0	73	28	0	21	7622
1972	PS	12	45	348	148	0	495	5	0	0	116	107	0	21	1297
1972	NCL	49	775	4732	2026	0	991	13	0	0	11	5	0	6	9604
1972	LO	0	21880	1044	486	0	0	0	0	0	0	0	0	0	24378
1973	SOL	0	107	984	421	0	7394	4	0	0	86	105	0	31	9131
1973	PS	12	53	410	175	0	591	6	0	0	108	395	0	3	1740
1973	NCL	50	512	5576	2386	0	1183	14	0	0	10	21	0	9	10161
1973	LO	0	25775	1230	526	0	0	0	0	0	0	0	0	0	27531
1974	SOL	0	103	906	387	0	7364	3	0	0	60	86	0	13	8927
1974	PS	12	51	377	161	0	584	5	0	0	75	324	0	13	1606
1974	NCL	52	677	5134	2196	0	1179	13	0	0	7	16	0	4	9480
1974	LO	0	24768	1132	544	0	0	0	0	0	0	0	0	0	26384
1975	SOL	0	111	910	390	0	7194	3	0	0	86	79	0	22	8602
1975	PS	13	55	379	162	0	575	5	0	0	108	297	0	22	1616
1975	NCL	55	585	5161	2210	0	1151	11	0	0	10	16	0	6	9563
1975	LO	0	26688	1138	487	0	0	0	0	0	0	0	0	0	28313
1976	SOL	0	118	946	424	0	7444	3	0	0	79	9	0	38	9134
1976	PS	14	52	399	176	0	595	4	0	0	99	35	0	36	1415
1976	NCL	57	1038	5365	2407	0	1191	11	0	0	9	1	0	11	10067
1976	LO	0	21415	1183	536	0	0	0	0	0	0	0	0	0	30126
1977	SOL	0	122	936	488	147	7024	3	0	0	16	55	0	24	8826
1977	PS	15	61	376	203	0	561	4	0	0	20	267	0	24	1402
1977	NCL	61	1637	5304	2767	24	1123	11	0	0	9	1	0	11	10348
1977	LO	0	25253	1173	610	0	0	0	0	0	0	0	0	0	31060
1978	SOL	0	133	96	534	187	7484	2	0	0	12	7	0	0	9305
1978	PS	16	66	344	222	0	598	4	0	0	15	27	0	0	1345
1978	NCL	67	1133	5365	3126	31	1157	9	0	0	1	1	0	0	10436
1978	LO	0	24133	1133	667	0	0	0	0	0	0	0	0	0	33665
1979	SOL	0	137	963	549	10	7234	2	17	0	7	45	0	0	9181
1979	PS	17	68	461	226	0	416	5	25	0	5	178	0	0	1871
1979	NCL	2149	1166	5461	3114	35	837	7	7639	0	0	9	0	2	16414
1979	LO	0	25253	1204	689	0	0	0	0	0	0	0	0	0	34818

MODELO DINAMICO DE CONTAMINACION ATMOSFERICA POTENCIAL

UNIDAD = TONELADAS

AÑO	CO2	GASES	GASE A	GASE B	GASE C	FUELOS	SESTIP	GASNET	ELECTR	HULLA	ANTRAC	LIGNIT	BOQUE	AGLONG	TOTAL
1980	302	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1981	P.L.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1982	N.L.X	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1983	L.O.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1984	312	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1985	P.L.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1986	N.L.X	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1987	L.O.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1988	312	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1989	P.L.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1990	N.L.X	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1991	L.O.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1992	312	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1993	P.L.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1994	N.L.X	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1995	L.O.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1996	312	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1997	P.L.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1998	N.L.X	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1999	L.O.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	312	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2001	P.L.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2002	N.L.X	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2003	L.O.	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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MODELO ESTADISTICO PARA LA PROVINCIA

CONSUMO FINAL POR FORMAS DE ENERGIA Y SU ESTRUCTURA
UNIDAD: MILES DE TON Y V

CONSUMO PER CAPITA CONSUMO DE LA CAPITAL

ANO	OLF	CASNA	GASO A	GASO B	GASO C	FUELOS	RESERP	GASOAT	ELECTR	MULLA	ANTRAC	LIGNIT	COQUE	AGLONE	TOTAL	PER CAPITA	CAPITAL
1570	11.4	76.0	15.2	115.3	0.0	178.8	0.0	0.0	1.1	11.7	3.7	16.3	8.9	0.0	898.2	0.00082	154.40
1571	57.0	38.0	81.4	190.3	0.0	184.6	9.3	0.0	199.5	19.1	2.5	70.1	13.6	0.2	916.5	0.00089	169.46
1572	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
1573	7.2	123.6	48.3	231.6	0.0	213.8	20.6	0.0	272.2	25.2	3.3	66.3	9.0	0.0	1141.4	0.00110	216.12
1574	74.9	130.7	107.3	250.7	0.0	457.2	18.8	0.0	321.1	16.8	8.0	18.3	3.5	0.0	1433.0	0.00137	274.74
1575	61.5	151.7	117.4	273.8	0.0	350.4	15.2	0.0	326.6	42.4	10.1	62.1	11.7	0.1	1442.9	0.00138	279.82
1576	91.2	178.9	155.1	261.9	7.8	350.0	10.9	0.0	311.7	30.9	8.1	49.8	19.9	0.2	1521.0	0.00145	309.83
1577	101.6	167.7	155.3	261.5	27.8	350.4	19.0	0.0	348.3	30.2	9.5	13.7	16.5	0.0	1546.4	0.00145	306.43
1578	105.8	201.5	161.6	249.4	34.7	336.7	21.3	0.0	371.3	31.5	8.3	11.7	15.8	0.0	1606.0	0.00151	324.17
1579	117.3	222.9	164.4	325.6	48.8	419.0	25.3	0.0	427.9	56.8	10.1	2.4	25.2	0.0	1845.7	0.00173	376.82

MODELO ESTADISTICO DE CONTAMINACION ATMOSFERICA POTENCIAL

UNIDAD = TONELADAS

ANO	COQUE	GASO A	GASO B	GASO C	FUELOS	RESIDU	CASNAI	ELECTR	HULLA	ANTRAC	LIGNIT	COQUE	ACLOME	TOTAL	
1970 SCL	1	101	601	1402	0	6174	8	0	0	472	88	11437	51	12	20346
1970 PSL	11	86	250	664	0	493	12	0	0	598	332	9150	51	10	11533
1970 NLX	46	861	3406	7949	0	987	28	0	0	56	18	457	15	1	13627
1970 LO	0	28359	751	1753	0	0	0	0	0	0	0	0	0	0	26839
1971 SCL	0	114	652	1522	0	6464	12	0	0	455	60	10507	142	4	19931
1971 PSL	12	56	271	634	0	517	16	0	0	573	225	8406	142	3	10866
1971 NLX	54	997	3669	8629	0	1034	43	0	0	57	12	428	42	0	14987
1971 LO	0	28175	815	1903	0	0	0	0	0	0	0	0	0	0	30693
1972 SCL	0	135	712	1664	0	8214	11	0	0	597	69	9337	163	7	20920
1972 PSL	15	67	276	693	0	657	26	0	0	746	260	7470	163	6	10396
1972 NLX	62	1143	4039	9441	0	1315	59	0	0	74	14	373	49	0	16565
1972 LO	0	32494	890	2080	0	0	0	0	0	0	0	0	0	0	35416
1973 SCL	0	164	794	1852	0	1024	27	0	0	604	79	9937	16	0	21171
1973 PSL	17	62	330	771	0	609	41	0	0	755	297	7950	96	0	10950
1973 NLX	66	1460	4501	10495	0	1219	96	0	0	76	16	397	24	0	18299
1973 LO	0	38151	892	2315	0	0	0	0	0	0	0	0	0	0	42858
1974 SCL	0	174	858	2001	0	15654	19	0	0	635	96	9679	99	0	25620
1974 PSL	17	87	357	833	0	1252	29	0	0	1044	360	4703	96	0	6781
1974 NLX	71	1460	4862	11342	0	2505	69	0	0	104	20	235	24	0	20717
1974 LO	0	81109	1072	2501	0	0	0	0	0	0	0	0	0	0	95161
1975 SCL	0	202	939	2198	0	15269	20	0	0	1017	242	9314	122	2	26577
1975 PSL	15	101	391	912	0	961	30	0	0	1271	909	7451	122	2	12189
1975 NLX	77	1718	5324	12410	0	1963	70	0	0	127	50	372	36	0	22147
1975 LO	0	98556	1179	2737	0	0	0	0	0	0	0	0	0	0	57839
1976 SCL	0	233	1240	2895	0	12423	22	0	0	433	194	7462	204	4	24914
1976 PSL	21	116	516	872	0	964	33	0	0	1166	729	5970	209	3	10630
1976 NLX	86	1982	7031	11572	0	1988	79	0	0	116	40	298	42	0	23569
1976 LO	0	55564	1550	2618	0	0	0	0	0	0	0	0	0	0	60136
1977 SCL	0	280	1242	2844	0	17269	25	0	0	724	228	2047	173	0	19535
1977 PSL	24	125	517	936	0	981	34	0	0	985	855	1638	173	0	6197
1977 NLX	96	2176	7031	12716	0	1963	48	0	0	90	47	81	52	0	24352
1977 LO	0	66046	1552	2805	0	0	0	0	0	0	0	0	0	0	64405
1978 SCL	0	274	1286	2995	0	17789	26	0	0	804	199	1792	166	0	19148
1978 PSL	26	127	535	997	0	943	42	0	0	1035	747	1433	166	0	6638
1978 NLX	104	2327	7395	13572	0	1886	69	0	0	100	41	71	44	0	25669
1978 LO	0	66166	1667	2993	0	0	0	0	0	0	0	0	0	0	70360
1979 SCL	0	297	1315	2805	0	14665	33	0	0	1363	242	367	264	0	21740
1979 PSL	27	146	548	1085	0	1172	47	0	0	1704	909	293	264	0	6211
1979 NLX	111	2626	7452	14762	0	2347	116	0	0	170	50	14	75	0	27724
1979 LO	0	11323	1694	3256	0	0	0	0	0	0	0	0	0	0	76228

INGRESO DINAMICO POR LA CAPITAL

CONSUMO FINAL POR FORMAS DE ENERGIA Y SU ESTRUCTURA

CONSUMO PER CAPIA CONSUMO DE LA CAPITAL

UNIDAD: MILES DE TONELADAS

ANO	CLP	GASNA	GASO A	GASO B	GASO C	FUELOS	RESIRP	GASNAT	ELECTR	HULLA	ANTRAC	LIGNIT	COQUE	AGLOME	TOTAL	PER CAPIA	DE LA CAPITAL
1980	22.2	43.0	33.2	52.8	5.7	81.7	4.9	0.0	12.2	7.0	2.0	2.0	4.0	0.0	156.0	0.00182	356.64
1985	20.6	52.6	39.3	71.0	6.2	101.0	6.0	0.0	97.5	10.7	2.5	0.0	4.9	0.0	420.3	0.00176	420.29
1990	23.0	58.0	42.8	73.3	6.9	109.7	6.6	0.0	104.6	11.6	2.8	0.0	5.3	0.0	457.0	0.00186	452.98
1995	30.4	62.6	45.1	76.3	11.5	116.3	7.2	0.0	110.6	12.4	3.0	0.0	5.7	0.0	481.1	0.00195	481.10
2000	31.8	60.8	57.8	78.5	12.7	122.6	7.7	0.0	110.3	13.1	3.3	0.0	6.0	0.0	506.4	0.00202	506.39

MODELO DINAMICO DE CONTAMINACION ATMOSFERICA POTENCIAL

AÑO	UEL	UNIDAD = TONELADAS					RECINTO	GASNET	ELECTR	MULLA	ANTRAC	LIGNIT	COQUE	ALCOH	TOTAL
		VASKA	WASO A	WASO B	WASO C	FLUOR									
1980	512	1	265	502	68	2972	8	0	0	216	47	295	42	0	4473
1980	PSB	5	26	110	205	1	237	4	0	270	176	236	42	0	1323
1980	NLY	21	487	1504	2846	11	476	22	0	27	9	11	12	0	5425
1980	LD	0	11760	331	627	0	0	0	0	0	0	0	0	0	14724
1985	502	0	70	314	567	98	3537	7	0	251	59	0	51	0	4966
1985	PSB	6	30	111	236	1	282	11	0	322	222	0	51	0	1297
1985	NLY	25	596	1763	3217	16	666	27	0	32	12	0	15	0	6288
1985	LD	0	16439	393	709	0	0	0	0	0	0	0	0	0	17940
1990	502	0	77	337	591	114	3823	6	0	279	66	0	55	0	5357
1990	PSB	6	38	141	246	2	305	13	0	349	249	0	55	0	1404
1990	NLY	27	656	1923	3349	19	611	30	0	34	13	0	16	0	6678
1990	LD	0	16556	429	736	0	0	0	0	0	0	0	0	0	19710
1995	502	0	43	180	610	137	4870	4	0	297	72	0	59	0	5697
1995	PSB	7	41	150	254	2	325	14	0	372	273	0	59	0	1497
1995	NLY	26	755	2641	3460	22	651	33	0	37	15	0	17	0	7615
1995	LD	0	20021	850	763	0	0	0	0	0	0	0	0	0	21281
2000	502	0	89	379	628	154	4292	10	0	314	78	0	63	0	6007
2000	PSB	7	44	156	261	2	343	16	0	392	294	0	63	0	1579
2000	NLY	30	756	2151	3559	25	686	35	0	39	16	0	16	0	7315
2000	LD	0	21361	874	783	0	0	0	0	0	0	0	0	0	22620

MODELLO ESTABILE PER LA PROVINCIA

CONSUMO FINALE PER FORME DI ENERGIA E SU STRUTTURA

CONSUMO PER CAPITA CONSUMO DE LA CAPITAL

ANNO	TELEF. E TELEGR.	ALTA TENSIONE	B. GAS	A. GAS	C. GAS	E. CARB.	RES.	PIPETT.	ELETR.	MULLA	ANTRAC.	LIGNIT.	COQUE	AGLOME.	TOTAL	PER CAPITA	CAPITAL
1971	2.9	11.3	36.1	29.8	0.0	13.6	1.1	0.0	13.0	0.0	0.0	0.0	0.0	0.0	122.1	0.00048	15.87
1972	3.1	14.1	31.0	29.4	0.0	11.1	1.0	0.0	10.5	0.0	0.0	0.0	0.0	0.0	130.1	0.00062	17.71
1973	3.8	14.6	26.6	23.5	0.0	12.4	1.5	0.0	10.3	0.0	0.0	0.0	0.0	0.0	130.1	0.00062	17.71
1974	12.3	22.7	31.4	31.9	0.0	13.0	2.1	0.0	10.2	0.0	0.0	0.3	4.5	0.0	152.6	0.00061	21.02
1975	7.0	15.0	27.1	22.2	0.0	12.4	1.9	0.0	10.6	0.0	0.0	0.2	2.9	0.0	130.1	0.00062	17.71
1976	15.3	26.5	40.3	39.8	0.0	22.8	2.4	0.0	17.4	0.0	0.0	0.1	7.2	0.0	177.4	0.00075	26.18
1977	7.5	15.0	27.2	22.2	0.0	12.9	1.4	0.0	9.8	0.0	0.0	0.0	4.1	0.0	130.1	0.00062	17.71
1978	12.1	25.9	31.1	33.0	0.0	27.1	1.8	0.0	21.9	0.1	0.0	0.1	7.1	0.0	173.7	0.00073	26.69
1979	7.0	14.9	27.7	17.3	0.0	15.0	1.0	0.0	12.3	0.1	0.0	0.0	5.4	0.0	130.1	0.00062	17.71
1975	19.3	29.1	41.7	34.0	0.0	28.4	1.2	0.0	21.9	0.0	0.0	0.0	6.6	0.0	179.3	0.00079	28.68
1976	5.0	16.2	23.3	19.0	0.0	16.8	0.7	0.0	12.2	0.0	0.0	0.0	4.8	0.0	130.1	0.00062	17.71
1976	19.3	31.0	40.7	35.0	0.0	27.8	0.9	0.0	24.0	0.0	0.0	0.0	6.9	0.0	192.1	0.00087	31.97
1977	0.0	10.2	24.3	17.7	0.0	14.5	0.2	0.0	12.0	0.0	0.0	0.0	3.4	0.0	130.1	0.00062	17.71
1977	15.0	32.4	40.6	26.2	13.8	23.4	0.3	0.0	25.8	0.0	0.0	0.0	10.3	0.0	206.8	0.00096	35.81
1978	7.6	15.7	23.7	17.5	6.7	11.3	0.1	0.0	12.5	0.0	0.0	0.0	5.0	0.0	130.1	0.00062	17.71
1978	17.1	34.7	48.8	37.8	16.9	22.0	0.2	0.0	21.0	0.0	0.0	0.0	11.7	0.0	216.5	0.00103	39.60
1979	7.7	16.1	27.7	17.5	7.8	10.2	0.1	0.0	12.7	0.0	0.0	0.0	5.9	0.0	130.1	0.00062	17.71
1979	16.3	36.8	52.7	45.5	18.6	16.7	0.2	0.0	28.4	0.0	0.0	0.0	10.4	0.0	227.9	0.00111	42.71
1979	1.6	16.1	23.1	20.1	6.2	7.3	0.1	0.0	12.5	0.0	0.0	0.0	4.6	0.0	130.1	0.00062	17.71

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MODELLO DINAMICO PARA LA CAPITAL

CONSUMO FINAL POR FORMAS DE ENERGIA Y SU ESTRUCTURA
UNIDAD = MILES DE TCC Y V

CONSUMO PER
CAPITA
CONSUMO DE LA
CAPITAL

ANO	LLP	GASLNA	GASO A	GASO B	GASO C	FUELDI	RESIPP	GASNAT	ELECTR	NULLA	ANTHRAC	LIGNIT	COQUE	AGLONE	TOTAL	CONSUMO PER CAPITA	CONSUMO DE LA CAPITAL
1980	5.1	0.5	0.5	1.1	2.3	8.8	0.0	0.0	5.1	0.0	0.0	0.0	2.3	0.0	10.0	0.00101	40.02
1985	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	0.00113	0.0
1990	7.0	16.5	21.0	16.8	6.8	11.8	0.0	0.0	13.1	0.0	0.0	0.0	6.6	0.0	0.0	0.00120	0.0
1995	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	0.00126	0.0
2000	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	0.00131	0.0

MODELO DINAMICO DE CONTAMINACION ATMOSFERICA POTENCIAL

UNIDAD: TONELADAS

AÑO	GLC	GASOLINA	GASO A	GASO B	GASO C	FUELOI	RESISTE	GASOAI	ELECTR	MULLA	INTRAC	LIGNIT	ECQUE	AGLRE	TOTAL
1950-502	0	8	11	50	27	167	0	0	0	0	0	0	24	0	353
1950-PSB	0	4	29	23	0	13	0	0	0	0	0	0	24	0	93
1950-NCA	0	73	404	316	4	26	0	0	0	0	0	0	7	6	834
1950-LU	0	2174	87	70	0	0	0	0	0	0	0	0	0	0	2233
1955-502	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1955-PSB	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1955-NCA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1955-LU	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1970-502	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1970-PSB	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1970-NCA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1970-LU	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1975-502	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1975-PSB	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1975-NCA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1975-LU	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2000-502	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2000-PSB	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2000-NCA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2000-LU	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

MODELO ESTADISTICO PARA LA PROVINCIA

CONSUMO FINAL POR TORNAS DE ENERGIA Y SU ESTRUCTURA
UNIDAD: MILLONES DE TONELADAS

CONSUMO PER
CAPITA

CONSUMO DE LA
CAPITAL

AÑO	CLP	GASLAA	GASO A	WASO B	GASO C	FUELOS	RESIPP	GASNAT	ELECTR	HULLA	ANTRAC	LIGNIT	COQUE	AGLOME	TOTAL	PER CAPITA	DE LA CAPITAL
1971	87.5	132.4	12.4	33.3	0.0	241.0	17.5	0.0	101.0	0.6	3.2	2.6	0.2	0.2	556.2	0.00110	74.64
1971	53.6	142.0	74.3	41.0	0.0	262.9	66.2	0.0	98.2	0.4	3.1	2.4	0.2	0.2	737.6	0.00170	88.75
1972	59.1	168.5	40.7	43.5	0.0	295.3	64.7	0.0	103.8	0.2	2.5	1.0	0.1	0.1	815.5	0.00194	105.96
1973	65.0	190.8	97.9	52.8	0.0	334.4	75.5	0.0	120.5	0.1	1.9	1.3	0.3	0.3	944.9	0.00223	132.57
1974	70.4	177.9	102.2	55.0	0.0	348.6	73.4	0.0	125.7	0.3	1.9	0.0	0.4	0.2	920.5	0.00218	139.46
1975	64.9	210.4	20.1	12.9	0.0	336.3	25.3	0.0	134.4	0.4	1.6	0.3	0.2	0.1	861.9	0.00164	131.20
1976	79.3	193.9	20.3	111.3	0.0	361.1	15.5	0.0	141.3	0.5	0.4	0.0	0.2	0.1	1110.8	0.00252	195.82
1977	81.0	211.2	12.5	69.7	23.3	349.9	10.2	0.0	166.9	0.1	0.4	0.1	0.1	0.1	1028.9	0.00230	194.63
1978	87.9	231.7	191.4	75.0	33.2	400.7	5.6	0.0	161.7	0.1	0.2	0.1	0.1	0.1	1115.6	0.00246	227.44
1979	93.4	231.3	154.0	81.2	29.5	397.2	6.2	1.7	177.0	0.1	0.3	0.1	0.2	0.0	961.9	0.00215	214.12

MODELO ESTADISTICO DE CONTAMINACION ATMOSFERICA POTENCIAL

UNIDAD = TONELADAS

ANO	ELI	GASOL	DASO A	DASO B	DASO C	EUCEDI	RESIST	USBIT	ELECTR	MULLA	ANTHAC	LIGNIT	COHUC	ADLONE	TOTAL
1970	0	177	583	314	0	2432	63	0	0	14	76	397	2	4	10069
1970	14	58	244	130	0	678	96	0	0	18	287	317	2	3	1669
1970	45	1406	3304	1781	0	1350	221	0	0	1	15	15	0	0	8238
1970	0	9252	725	392	0	0	0	0	0	0	0	0	0	0	43649
1971	0	187	594	320	0	2204	60	0	0	5	74	359	1	4	10834
1971	12	54	247	133	0	736	120	0	0	11	279	287	1	3	1523
1971	51	1405	3366	1815	0	1472	280	0	0	1	15	14	0	0	8623
1971	0	95455	782	400	0	0	0	0	0	0	0	0	0	0	46597
1972	0	217	645	368	0	16344	75	0	0	4	60	225	2	2	11534
1972	15	100	368	195	0	827	128	0	0	5	225	180	2	2	1904
1972	56	1843	3654	1972	0	1655	289	0	0	0	12	9	0	0	9624
1972	0	52600	806	435	0	0	0	0	0	0	0	0	0	0	53649
1973	0	254	783	422	0	11709	108	0	0	2	45	187	2	7	13517
1973	15	127	326	176	0	936	154	0	0	3	170	150	2	0	2669
1973	61	2162	4440	2493	0	1874	371	0	0	0	9	7	0	0	11316
1973	0	61655	979	527	0	0	0	0	0	0	0	0	0	0	62661
1974	0	237	818	440	0	12204	44	0	0	7	45	120	3	4	13922
1974	16	118	340	183	0	976	66	0	0	9	170	96	1	3	1908
1974	67	2016	4637	2495	0	1952	156	0	0	0	9	4	1	6	11337
1974	0	56920	1022	550	0	0	0	0	0	0	0	0	0	0	66500
1975	0	267	160	103	0	11774	33	0	0	4	36	52	1	2	12437
1975	16	133	56	43	0	941	60	0	0	11	135	41	1	2	1439
1975	66	2271	911	584	0	1483	118	0	0	1	7	2	0	0	5643
1975	0	64120	200	129	0	0	0	0	0	0	0	0	0	0	64457
1976	0	284	1006	590	0	12644	28	0	0	12	19	82	1	2	15616
1976	17	129	669	370	1	1011	70	0	0	15	72	66	1	2	2383
1976	71	2194	9105	5045	13	2023	10	0	0	1	4	3	0	0	14533
1976	0	62463	2008	1112	0	0	0	0	0	0	0	0	0	0	63183
1977	0	281	1020	553	0	12249	13	0	0	2	9	22	0	2	14438
1977	18	140	424	230	0	979	20	0	0	3	35	17	0	2	1876
1977	76	2293	5427	3134	46	1945	47	0	0	0	1	0	0	0	13483
1977	0	67565	1255	651	0	0	0	0	0	0	0	0	0	0	67569
1978	0	315	1131	608	0	12634	12	0	0	2	4	4	0	2	15149
1978	21	157	471	265	0	1616	19	0	0	3	17	11	0	2	1984
1978	55	2684	6412	3613	66	2021	44	0	0	0	0	0	0	0	14927
1978	0	7119	1919	129	0	0	0	0	0	0	0	0	0	0	77954
1979	0	306	1232	649	0	12694	6	0	0	2	7	14	1	0	9479
1979	22	154	513	270	0	152	12	0	0	3	37	11	0	0	1571
1979	58	2421	6973	3676	59	1104	28	20	0	0	1	6	0	0	14582
1979	0	74115	1594	811	0	0	0	0	0	0	0	0	0	0	76366

Item de Conto: 3. A.

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MODELO DINAMICO PARA LA CAPITAL

CONSUMO FINAL POR CORPAS DE ENERGIA Y SU ESTRUCTURA
UNIDAD EN MILLAS DE TEC Y V

CONSUMO PER
CAPITA
CONSUMO DE LA
CAPITAL

	LLP	GASOLNA	GASO A	CASE	D	GASO C	FUELOI	RESIPP	GASNAT	ELECTR	HULLA	ANTRAC	LIGNIT	COQUE	AGLOME	TOTAL		
1980	21.2	55.4	12.1	18.1	0.1	80.6	2.8	0.1	32.2	0.0	0.0	0.0	0.0	0.0	0.0	255.6	0.00237	255.58
1985	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	0.00246	0.00
1990	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	0.00237	0.00
1995	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	0.00263	0.00
2000	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	0.00261	0.00

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MODELO DINAMICO DE CONTAMINACION ATMOSFERICA POTENCIAL

UNIDAD = TONELADAS

ANO	CLP	BASEA	BASE E	BASE C	BASE D	BASE F	BASE G	BASE H	BASE I	BASE J	BASE K	BASE L	BASE M	BASE N	BASE O	TOTAL
1980 SC2	0	73	263	144	60	2822	3	0	0	0	0	0	0	0	0	3365
1980 P21	6	36	169	66	1	225	4	0	0	0	0	0	0	0	0	441
1980 NCX	26	627	1492	917	10	451	11	1	0	0	0	0	0	0	0	3429
1980 LU	1	1772	325	180	0	0	0	0	0	0	0	0	0	0	0	16231
1985 SC2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1985 P21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1985 NCX	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1985 LU	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1990 SC2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1990 P21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1990 NCX	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1990 LU	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1995 SC2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1995 P21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1995 NCX	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1995 LU	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2000 SC2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2000 P21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2000 NCX	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2000 LU	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

PROVINTA

BRANACA

MODELO ESTADICO PARA LA PROVINCIA

CONSUMO FINAL POR FORMAS DE ENERGIA Y SU ESTRUCTURA

UNIDAD: MILES DE TON Y A

CONSUMO PER CAPITA CONSUMO DE LA CAPITAL

AN	OLF	CASIA	GASO A	GASO B	GASO C	FULLOI	RESTPP	GASNAT	ELECTR	HULLA	ANTRAC	LIGNIT	COQUE	AGLOME	TOTAL	PER CAPITA	CAPITAL
1971	81.5	56.3	61.0	28.9	0.0	126.5	3.1	0.0	30.6	5.5	1.1	0.0	1.5	0.1	370.8	0.00091	93.47
1971	11.1	14.9	17.6	7.8	0.0	33.8	0.4	0.0	9.7	1.5	1.5	0.0	1.0	0.0			
1971	85.1	61.3	71.4	30.0	0.0	126.2	3.2	0.0	40.6	2.5	3.9	0.0	3.2	0.4	392.5	0.00053	99.88
1971	12.5	15.6	18.2	7.8	0.0	32.2	0.8	0.0	10.4	0.6	1.0	0.0	0.8	0.1			
1972	52.6	73.9	75.1	49.0	0.0	140.8	3.9	0.0	43.2	1.6	3.5	0.0	2.1	0.5	932.1	0.00088	113.05
1972	12.2	16.4	18.9	7.9	0.0	32.5	0.8	0.0	10.0	0.8	0.1	0.0	0.5	0.1			
1972	53.8	62.9	85.4	38.4	0.0	149.1	4.7	0.0	51.2	0.7	3.6	0.0	2.0	0.2	476.0	0.00064	126.64
1972	11.3	17.4	18.6	8.1	0.0	31.3	1.0	0.0	14.8	0.1	0.7	0.0	0.4	0.0			
1973	50.4	62.2	58.0	27.8	0.0	142.0	5.3	0.0	47.1	0.9	2.9	0.0	1.9	0.6	875.6	0.00084	131.54
1973	11.6	17.3	18.5	7.9	0.0	30.0	1.1	0.0	12.0	0.2	0.6	0.0	0.4	0.1			
1973	52.6	91.5	93.9	39.4	0.0	151.1	5.8	0.0	58.1	1.0	2.4	0.0	1.9	0.3	504.1	0.00068	143.34
1973	11.6	18.2	14.6	7.8	0.0	30.0	1.2	0.0	11.5	0.2	0.5	0.0	0.4	0.1			
1974	61.9	98.9	101.3	42.0	11.2	151.6	5.9	0.0	63.8	0.1	0.4	0.0	2.7	0.5	550.3	0.00075	160.61
1974	11.5	17.6	18.9	7.6	2.2	29.9	1.0	0.0	11.7	0.0	0.1	0.0	0.5	0.1			
1975	61.7	100.0	55.1	54.4	30.6	146.9	5.5	0.0	63.6	0.7	1.0	0.0	2.6	0.2	562.6	0.00076	168.31
1975	11.0	17.6	16.9	9.7	5.4	26.1	1.0	0.0	11.3	0.1	0.2	0.0	0.5	0.0			
1976	60.0	105.0	76.8	41.6	41.7	129.7	6.3	0.0	69.7	0.5	0.1	0.0	1.9	0.1	470.1	0.00077	171.54
1976	11.5	18.4	18.9	9.0	1.3	22.7	1.1	0.0	12.5	0.1	0.1	0.0	0.5	0.0			
1977	55.4	110.8	99.9	55.7	45.8	98.7	7.8	0.0	76.4	0.4	1.6	0.0	2.6	0.1	569.1	0.00077	176.83
1977	12.2	19.5	17.6	5.8	8.0	17.3	1.4	0.0	13.4	0.1	0.1	0.0	0.5	0.0			

MODELO ESTADISTICO DE CONTAMINACION ATMOSFERICA POTENCIAL

UNIDAD = TONELADAS

ANO	ULP	DASLCA	DASO A	DASO B	DASO C	TURBUI	RESER	GASNAI	ELCTR	MULLA	ANTRAC	LENTI	COQUE	ALDRNE	TOTAL
1970	0	75	538	230	0	4429	4	0	0	132	175	0	37	2	5620
1970	0	37	223	95	0	354	6	0	0	165	657	0	37	2	1505
1970	39	637	3049	1305	0	708	15	0	0	16	36	0	11	0	5606
1970	0	18000	570	287	0	0	0	0	0	0	0	0	0	0	18557
1971	0	81	571	244	0	4419	4	0	0	60	93	0	33	9	5514
1971	11	40	238	101	0	353	6	0	0	75	350	0	33	7	1214
1971	46	695	3236	1387	0	707	14	0	0	7	19	0	16	1	6122
1971	0	18931	719	305	0	0	0	0	0	0	0	0	0	0	20650
1972	0	4	637	272	0	4929	4	0	0	3	76	0	21	12	6083
1972	12	47	265	113	0	394	6	0	0	48	287	0	21	10	1203
1972	50	604	3610	1543	0	788	16	0	0	4	15	0	6	1	6837
1972	0	22703	756	340	0	0	0	0	0	0	0	0	0	0	23839
1973	0	110	715	307	0	5219	4	0	0	14	84	0	21	4	6481
1973	12	55	298	126	0	417	9	0	0	20	315	0	20	3	1277
1973	51	946	4952	1740	0	835	21	0	0	2	17	0	6	6	7664
1973	0	26543	894	384	0	0	0	0	0	0	0	0	0	0	27621
1974	0	107	704	302	0	4989	4	0	0	21	69	0	15	14	6234
1974	13	54	293	125	0	399	10	0	0	26	260	0	19	12	1211
1974	53	931	3941	1713	0	796	24	0	0	2	14	0	5	1	7532
1974	0	26304	880	377	0	0	0	0	0	0	0	0	0	0	27604
1975	0	122	751	315	0	5269	4	0	0	24	57	0	19	7	6591
1975	13	61	313	131	0	423	11	0	0	30	215	0	1	6	1222
1975	55	1037	4256	1744	0	846	27	0	0	3	11	0	0	0	6028
1975	0	29280	939	394	0	0	0	0	0	0	0	0	0	0	30113
1976	0	129	810	336	138	5659	4	0	0	2	14	0	27	9	7156
1976	14	74	337	140	0	452	10	0	0	3	72	0	27	7	1124
1976	56	1050	4590	1904	26	905	25	0	0	0	4	0	6	1	6619
1976	0	31100	1012	420	0	0	0	0	0	0	0	0	0	0	32440
1977	0	133	765	435	367	5144	4	0	0	10	24	0	26	4	6916
1977	14	66	310	141	0	411	11	0	0	20	90	0	26	5	1144
1977	56	1133	4311	2464	61	623	25	0	0	2	5	0	6	0	6894
1977	0	32012	850	544	0	0	0	0	0	0	0	0	0	0	33509
1978	0	140	786	41	508	4539	8	0	0	4	10	0	30	2	6424
1978	15	70	323	145	0	363	10	0	0	11	62	0	30	2	1165
1978	56	1150	4352	2334	83	726	24	0	0	1	3	0	9	0	6994
1978	0	33100	866	515	0	0	0	0	0	0	0	0	0	0	35171
1979	0	147	759	445	544	3454	10	0	0	5	38	0	20	2	5479
1979	16	73	323	145	14	276	15	0	0	11	144	0	24	2	1091
1979	56	1250	4521	2522	91	562	26	0	0	1	8	0	6	0	6164
1979	0	35471	899	556	0	0	0	0	0	0	0	0	0	0	37026

1984

MODELO DINAMICO PARA LA CAPITAL

CONSUMO FINAL POR FUENTES DE ENERGIA Y SU ESTRUCTURA

UNIDAD = MILES DE TONELADAS

CONSUMO PER CAPITA CONSUMO DE LA CAPITAL

ANO	GLP	GAS LAA	CASO A	CASO B	CASO C	FUELOS	RESIPP	GAS NAT	ELECTR	HULLA	ANTRAC	LIGNIT	COQUE	AGLOME	TOTA	PER CAPITA	DE LA CAPITAL
1986	21.8	35.7	32.0	18.1	9.5	43.3	2.2	0.0	13.0	0.0	0.0	0.0	0.6	0.1	138.8	0.00078	158.44
1987	11.6	19.6	17.7	9.0	5.2	23.3	1.7	0.0	12.8	0.0	0.0	0.0	0.1	0.0			
1988	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00083	0.0
1989	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	0.00087	0.0
1990	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	0.00090	0.0
2000	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	0.00092	0.0

MODELO ESTADISTICO PARA LA PROVINCIA

CONSUMO FINAL POR FORMAS DE ENERGIA Y SU ESTRUCTURA
UNIDAD: MILES DE TONELADAS

CONSUMO PER
CAPITA
CONSUMO DE LA
CAPITAL

AÑO	DEP	USINA	CASO A	CASO B	CASO C	FUELOS	RESIPP	GAS NAT	ELECTR	HULLA	ANTRAC	LIGNIT	COQUE	AGLOME	TOTAL	CONSUMO PER CAPITA	CONSUMO DE LA CAPITAL
1970	20.8	20.1	18.0	18.5	0.0	32.0	1.0	0.0	18.5	0.0	1.2	0.1	0.0	0.1	208.6	0.00137	42.69
1971	22.8	22.3	16.6	15.8	0.0	37.4	1.0	0.0	21.3	0.6	5.8	0.0	0.0	0.1	213.9	0.00144	47.10
1972	24.9	25.1	18.5	16.5	0.0	40.0	1.2	0.0	23.0	0.7	5.5	0.0	0.0	0.2	245.1	0.00167	50.62
1973	28.7	30.8	18.9	19.6	0.0	110.1	2.1	0.0	26.5	0.2	7.2	0.0	0.0	0.1	271.2	0.00188	70.51
1974	31.5	30.0	18.1	18.5	0.0	121.5	1.7	0.0	29.4	0.1	4.1	0.0	0.0	0.1	287.3	0.00202	61.15
1975	35.1	33.8	18.3	19.6	0.0	117.8	1.3	0.0	31.3	0.1	6.5	0.0	0.0	0.1	292.2	0.00208	89.70
1976	38.5	36.6	17.2	18.5	0.0	110.5	0.8	0.0	35.3	0.1	9.7	0.0	0.0	0.1	301.0	0.00220	101.81
1977	39.0	38.8	18.3	27.6	11.1	111.8	0.3	0.0	37.1	0.1	5.1	0.0	0.0	0.1	322.4	0.00235	116.65
1978	40.8	42.2	18.4	26.8	24.3	103.5	0.1	0.0	35.2	0.1	5.0	0.0	0.0	0.1	328.3	0.00241	124.16
1979	40.2	40.8	18.3	26.8	26.8	92.7	0.3	0.0	41.8	0.0	4.5	0.0	0.0	0.0	330.5	0.00249	140.88

MODELO ESTADICO DE CONTAMINACION ATMOSFERICA POTENCIAL

UNIDAD = TONELADAS

ANO	GLP	PASTINA	GASO A	GASO B	GASO C	FUELO	RESIDU	CASNA	ELECTR	NULLA	ASTRAC	LIGNIT	COQUE	ALUCPL	TOTAL
1970	502	4	20	272	116	0	3234	1	0	0	19	172	7	0	3849
1970	PSE	4	13	113	48	0	258	2	0	0	24	647	6	0	1117
1970	NCA	19	227	1543	659	0	517	4	0	0	2	36	0	0	3066
1970	CO	0	6831	380	185	0	0	0	0	0	0	0	0	0	6916
1971	502	0	27	294	176	0	3059	1	0	0	14	139	0	0	3064
1971	PSE	5	14	122	52	0	244	2	0	0	18	522	0	0	981
1971	NCA	21	253	1666	714	0	489	4	0	0	1	29	0	0	3177
1971	CO	0	7151	367	157	0	0	0	0	0	0	0	0	0	7675
1972	502	0	34	308	132	0	3639	2	0	0	21	132	0	0	4272
1972	PSE	6	17	128	53	0	291	3	0	0	26	495	0	0	1624
1972	NCA	26	390	1747	748	0	582	9	0	0	2	27	0	0	3431
1972	CO	0	6408	385	165	0	0	0	0	0	0	0	0	0	6756
1973	502	0	41	367	157	0	3639	2	0	0	21	132	0	0	4599
1973	PSE	6	20	153	65	0	308	4	0	0	5	647	0	0	1216
1973	NCA	27	348	2080	890	0	618	9	0	0	0	35	0	0	4605
1973	CO	0	9890	457	196	0	0	0	0	0	0	0	0	0	10495
1974	502	0	40	362	156	0	4254	2	0	0	2	146	0	0	4984
1974	PSE	7	20	150	65	0	340	3	0	0	3	549	0	0	1134
1974	NCA	32	340	2053	884	0	480	7	0	0	6	30	0	0	4026
1974	CO	0	6800	452	175	0	0	0	0	0	0	0	0	0	10477
1975	502	0	43	370	157	0	4124	1	0	0	2	156	0	0	4657
1975	PSE	3	22	154	65	0	329	2	0	0	3	565	0	0	1174
1975	NCA	33	382	2101	850	0	659	6	0	0	0	32	0	0	4103
1975	CO	0	10400	463	196	0	0	0	0	0	0	0	0	0	11453
1976	502	0	4	409	154	0	3869	0	0	0	2	112	0	0	4659
1976	PSE	6	24	170	64	1	369	1	0	0	3	422	0	0	1004
1976	NCA	35	414	2318	877	10	619	2	0	0	0	23	0	0	4296
1976	CO	0	11711	511	191	0	0	0	0	0	0	0	0	0	12415
1977	502	0	41	410	153	133	3914	0	0	0	2	122	0	0	4854
1977	PSE	3	25	170	91	2	313	0	0	0	3	459	0	0	1074
1977	NCA	37	440	2325	1251	22	626	1	0	0	0	25	0	0	4727
1977	CO	0	12431	512	275	0	0	0	0	0	0	0	0	0	13219
1978	502	0	50	387	214	243	3624	0	0	0	2	120	0	0	4648
1978	PSE	3	28	161	89	4	289	0	0	0	3	450	0	0	1035
1978	NCA	38	472	2346	1217	40	575	1	0	0	0	25	0	0	4573
1978	CO	0	13440	484	269	0	0	0	0	0	0	0	0	0	14290
1979	502	0	50	387	214	243	3244	0	0	0	2	120	0	0	4307
1979	PSE	3	28	160	103	5	282	0	0	0	3	406	0	0	976
1979	NCA	38	472	2346	1407	51	519	1	0	0	0	22	0	0	4737
1979	CO	0	14351	482	210	0	0	0	0	0	0	0	0	0	15193

MODELO DINAMICO PARA LA CAPITAL

CONSUMO FINAL POR FORMAS DE ENERGIA Y SU ESTRUCTURA

UNIDAD: MILES DE TEG Y E

CONSUMO PER
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ANU	OLF	GASLIA	CASO 7	CASO B	CASO C	FULLCI	RESIPP	GASNAT	ELECTR	NULLA	ANTRAC	LIGNIT	COQUE	AGLOME	TOTAL	CONSUMO PER CAPITA	CONSUMO DE LA CAPITAL
1981	10.0	19.0	22.9	11.9	6.5	47.1	0.3	0.0	17.8	0.0	2.1	0.0	0.0	0.0	118.6	0.00246	148.35
1982	10.6	12.0	10.6	8.0	8.0	33.1	0.2	0.0	12.0	0.0	1.8	0.0	0.0	0.0	76.3	0.00265	0.0
1983	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	0.00280	0.0
1984	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	0.00291	0.0
1985	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	0.00300	0.0

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MODELO DINAMICO DE CONTAMINACION ATMOSFERICA POTENCIAL

UNIDAD = TONELADAS

AÑO	CO2	CH4	N2O	HCFC	PFC	RESIDUO	GHG	ELCTE	NUCLEO	AMTRIC	FLUOR	CCOUC	ADLUR	TOTAL
1980 CO2	0	25	183	95	72	1720	0	0	0	0	39	0	0	2150
1980 PCL	0	12	76	39	1	137	0	0	0	0	184	0	0	453
1980 NCL	17	214	1039	574	13	275	1	0	0	0	10	0	0	2187
1980 LU	0	6067	229	118	0	0	0	0	0	0	0	0	0	6414
1985 CO2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1985 PCL	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1985 NCL	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1985 LU	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1990 CO2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1990 PCL	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1990 NCL	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1990 LU	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1995 CO2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1995 PCL	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1995 NCL	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1995 LU	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2000 CO2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2000 PCL	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2000 NCL	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2000 LU	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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MODELO ESTADISTICO PARA LA PROVINCIA

CONSUMO FINAL POR FUENTES DE ENERGIA Y SU ESTRUCTURA
UNIDAD: MILES DE TONELADAS

CONSUMO PER
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ANO	LLP	GASLA	CASO A	CASO B	CASO C	FUELOS	RESIPP	GASNAT	ELECTR	HULLA	ANTHAC	LIGNIT	COQUE	AGLOME	TOTAL	PER CAPITA	DE LA CAPITAL
1970	59.1	102.0	86.1	129.0	0.0	838.9	0.0	0.0	170.1	108.5	23.8	0.3	27.5	0.0	1858.4	0.00235	372.99
1971	67.4	111.0	98.5	147.8	0.0	668.4	7.2	0.0	294.4	80.0	32.6	0.0	20.1	0.0	1527.7	0.00242	391.50
1972	76.3	128.7	109.9	169.0	0.0	682.5	7.3	0.0	338.7	8.0	13.3	0.5	23.8	0.5	1827.3	0.00254	411.70
1973	102.3	144.0	121.5	182.1	0.0	744.3	9.2	0.0	336.8	56.6	12.9	0.0	27.5	0.0	1787.8	0.00275	446.73
1974	112.9	150.4	129.8	187.9	0.0	847.9	0.0	0.0	402.1	12.8	6.2	0.0	30.9	0.0	1902.7	0.00289	472.63
1975	103.7	155.7	135.9	199.6	0.0	711.7	6.4	0.0	382.5	49.2	7.5	0.0	23.7	0.1	1776.1	0.00266	436.64
1976	111.6	162.0	132.5	201.3	16.6	709.6	1.0	0.0	435.2	26.3	3.5	0.1	16.3	0.0	1821.4	0.00268	443.02
1977	110.8	169.9	126.1	192.0	42.9	691.7	2.8	0.0	434.6	23.1	2.5	0.0	17.0	0.0	1821.2	0.00264	438.15
1978	118.5	175.0	124.7	181.7	51.8	638.7	2.7	0.0	456.1	17.7	1.8	0.0	12.3	0.0	1784.3	0.00255	429.62
1979	126.5	178.3	131.7	172.3	59.5	651.7	2.5	0.0	478.9	18.1	3.3	0.0	12.0	0.0	1835.1	0.00250	431.57

MODELO ESTADISTICO DE CONTAMINACION ATMOSFERICA POTENCIAL

UNIDAD: TONELADAS

ANO	ULO	BASENA	BASE A	BASE B	BASE C	FULLER	RESIST	CASHAT	ELECTR	MULLA	ANTRAC	LIGNIT	COQUE	ADOLEN	TOTAL
1970	SO2	0	131	688	1032	0	22224	8	0	2510	115	37	289	0	27644
1970	PSM	14	63	286	430	0	1778	12	0	3138	2682	30	289	0	8727
1970	NLY	56	1150	3903	5848	0	3556	78	0	313	149	1	86	0	15096
1970	CO	0	32600	660	1290	0	0	0	0	0	0	0	0	0	33790
1971	SO2	0	148	788	1182	0	23404	9	0	1920	102	0	211	4	28448
1971	PSM	16	74	328	492	0	1872	14	0	2400	2934	0	211	3	6344
1971	NLY	64	1250	4467	6696	0	3744	33	0	240	163	0	63	0	16734
1971	CO	0	35920	985	1877	0	0	0	0	0	0	0	0	0	37982
1972	SO2	0	165	879	1311	0	23889	9	0	1920	319	75	241	12	28835
1972	PSM	18	84	366	549	0	1911	14	0	2400	1197	60	246	10	6855
1972	NLY	72	1429	4880	7473	0	3822	34	0	240	66	3	74	1	14198
1972	CO	0	40364	1099	1688	0	0	0	0	0	0	0	0	0	41115
1973	SO2	0	142	972	1458	0	26859	12	0	1359	309	0	289	0	30647
1973	PSM	24	96	405	606	0	2024	18	0	1698	1160	0	289	0	6380
1973	NLY	97	1638	5564	8255	0	4169	42	0	169	64	0	86	0	20626
1973	CO	0	46271	1215	1820	0	0	0	0	0	0	0	0	0	49306
1974	SO2	0	187	1083	1503	0	29884	9	0	1027	148	0	319	0	33880
1974	PSM	26	93	418	626	0	2374	13	0	1204	557	0	316	0	5710
1974	NLY	107	1691	5684	8520	0	4749	31	0	123	30	0	95	0	20935
1974	CO	0	44524	1254	1879	0	0	0	0	0	0	0	0	0	46664
1975	SO2	0	207	1081	1598	0	24919	8	0	1180	180	0	246	2	29429
1975	PSM	28	103	453	665	0	1893	12	0	1475	676	0	248	2	5857
1975	NLY	98	1764	6160	9057	0	3967	30	0	147	37	0	74	0	21354
1975	CO	0	45827	1359	1997	0	0	0	0	0	0	0	0	0	47175
1976	SO2	0	218	1068	1626	194	24844	9	0	631	84	7	171	0	28845
1976	PSM	28	108	482	677	7	1987	6	0	789	315	6	171	0	4532
1976	NLY	106	1837	6018	9214	33	3575	18	0	78	17	0	57	0	21347
1976	CO	0	51184	1327	2032	0	0	0	0	0	0	0	0	0	55241
1977	SO2	0	228	1088	1538	514	24219	9	0	554	60	0	177	0	28298
1977	PSM	28	113	417	640	0	1937	6	0	693	225	0	178	0	4247
1977	NLY	112	1626	5705	8704	85	3875	13	6	69	12	0	53	0	20554
1977	CO	0	54185	1258	1920	0	0	0	0	0	0	0	0	0	57561
1978	SO2	0	234	997	1453	640	22224	9	0	472	38	0	129	0	26199
1978	PSM	28	114	415	605	11	1776	6	0	508	144	0	129	0	3624
1978	NLY	112	2024	5659	8234	106	3556	12	0	59	8	6	32	0	19601
1978	CO	0	57215	1246	1816	0	0	0	0	0	0	0	0	0	60277
1979	SO2	0	237	1055	1376	714	27819	9	0	434	79	0	125	0	28242
1979	PSM	30	114	420	674	13	1826	6	0	543	297	0	125	0	3668
1979	NLY	120	2021	5670	7813	115	3651	11	0	54	16	0	37	0	19612
1979	CO	0	57171	1316	1723	0	0	0	0	0	0	0	0	0	60110

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MODELO DINAMICO PARA LA CAPITAL

CONSUNTO FINAL POR FORMAS DE ENERGIA Y SU ESTRUCTURA
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AN.	GLP	GASNA	CASO A	CASO B	GASO C	FUELOS	RESIRR	GASNAI	ELECTR	HULLA	ANTRAC	LIGNIT	C9QUE	AGLOME	TOTAL	CONSUMO PER CAPITA	CONSUMO DE LA CAPITAL
1980	30.4	35.3	33.1	41.0	3.6	158.3	0.1	0.0	112.8	2.1	0.0	0.0	1.7	0.0	452.9	0.00271	452.90
1981	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	0.00275	0.00
1982	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	0.00279	0.00
1983	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	0.00281	0.00
2000	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	0.00283	0.00

MODELO DINAMICO DE CONTAMINACION ATMOSFERICA POTENCIAL
 UNIDAD = TONELADAS

AÑO	LU	PASNA	GASO A	GASO E	GASO C	FUELOS	RESIDU	GASNET	ELECTR	HULLA	ANTHAC	LIGNIT	COQUE	ALUMI	TOTAL
1980 SC2	0	51	264	384	114	5871	1	0	0	51	0	0	51	0	6808
1980 PSE	7	26	110	160	2	471	1	0	0	71	0	0	30	0	688
1980 NCL	29	480	1501	2177	19	942	4	0	0	7	0	0	11	0	5186
1980 LU	1	1349	331	860	0	0	0	0	0	0	0	0	0	0	1460
1985 SC2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1985 PSE	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1985 NCL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1985 LU	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1990 SC2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1990 PSE	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1990 NCL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1990 LU	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1995 SC2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1995 PSE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1995 NCL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1995 LU	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2000 SC2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2000 PSE	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2000 NCL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2000 LU	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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MODELO ESTADICO PARA LA PROVINCIA

CONSUMO FINAL POR FORMAS DE ENERGIA Y SU ESTRUCTURA
 UNIDAD: MILLES DE TON Y K

CONSUMO PER CAPITA CONSUMO DE LA CAPITAL

ANL	ULP	GASLRA	LASO A	GASO B	GASO C	FUELOS	RESIRP	GASNAT	ELECTR	MULLA	ANTRAC	LIGNIT	COQUE	AGLOMF	TOTAL	PER CAPITA	CAPITAL
1970	21.6	25.0	31.5	83.5	0.0	161.5	1.1	0.0	77.3	6.5	0.3	0.0	17.5	0.0	477.8	0.00106	100.69
1971	24.4	28.3	52.6	64.5	0.0	238.8	0.8	0.0	88.6	1.3	0.9	0.0	14.7	0.0	515.1	0.00128	124.51
1972	25.9	31.6	53.7	65.9	0.0	268.0	1.0	0.0	103.7	11.8	0.1	0.0	19.3	0.0	580.7	0.00134	145.19
1973	27.4	41.7	61.2	74.7	0.0	315.9	1.5	0.0	132.4	6.0	0.0	0.0	14.3	0.0	677.1	0.00169	174.52
1974	27.7	43.7	63.5	73.5	0.0	321.5	1.6	0.0	160.3	5.5	0.0	0.0	16.5	0.0	738.0	0.00188	196.10
1975	31.1	48.3	65.3	85.2	0.0	332.9	2.5	0.0	155.0	7.8	0.0	0.0	14.1	0.0	745.1	0.00186	204.13
1976	33.1	52.5	71.5	85.5	1.5	350.7	1.5	0.0	165.2	8.5	0.0	0.0	10.2	0.0	828.4	0.00207	213.57
1977	34.6	55.0	75.4	113.8	14.5	438.3	1.9	0.0	169.2	3.5	0.0	0.0	11.3	0.0	967.9	0.00227	263.37
1978	37.6	60.0	76.2	127.5	16.3	487.7	1.9	0.0	170.6	1.8	0.0	0.0	11.3	0.0	979.5	0.00245	272.22
1979	40.4	63.2	56.5	129.6	167.3	547.8	0.2	0.0	182.8	0.1	0.0	0.0	8.5	0.0	1318.2	0.00331	464.43

MODELO DINAMICO PARA LA CAPITAL

CONDICION FINAL POR FORMAS DE ENERGIA Y SU ESTRUCTURA
UNIDAD: MILES DE TON Y T

CONSUMO PER
CAPITA CONSUMO DE LA CAPITAL

ANO	LP	CASNA	CASO A	CASO B	CASO C	FUELOS	RESIPP	CASNAT	ELECTR	HULLA	ANTRAC	LIGNIT	COQUE	AGLOME	TOTAL	CONSUMO PER CAPITA	CONSUMO DE LA CAPITAL
1980	10.4	19.8	20.5	35.2	12.8	155.8	0.5	0.0	11.0	1.1	0.0	0.0	2.1	0.0	327.8	0.00262	327.52
1985	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	0.00291	0.0
1990	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	0.00312	0.0
1995	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	0.00328	0.0
2000	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	0.00342	0.0

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MODELO DINAMICO DE CONTAMINACION ATMOSFERICA POTENCIAL

UNIDAD = TONELADAS

AÑO	GL	CA-LOA	BAJO A	BAJO B	BAJO C	TRUCO	RESIPP	SASNET	ELECIR	HULLA	ANTRAC	LIGNIT	COQUE	AGLONE	TOTAL
1980	0	25	164	261	154	5439	0	0	0	26	0	0	28	0	6117
1981	4	1	88	117	2	435	0	0	0	33	0	0	20	0	699
1981	14	319	931	1594	25	870	2	0	0	3	0	0	6	0	3670
1980	0	6201	205	351	0	0	0	0	0	0	0	0	0	0	6757
1983	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1983	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1983	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1983	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1990	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1990	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1990	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1990	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1995	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1995	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1995	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1995	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

MODELO ESTADISTICO PARA LA PROVINCIA

CONSUMO FINAL POR FORMAS DE ENERGIA Y SU ESTRUCTURA
UNIDAD: MILES DE TONELADAS

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AÑO	ELP	GASOLIA	GASO A	GASO B	GASO C	FUELOS	RESIPP	GASNAT	ELECTR	MULLA	ANTRAC	LIGNIT	COQUE	AGLOME	TOTAL	PER	CAPITAL
1970	13.3	30.7	11.8	13.7	0.0	82.8	8.7	0.0	12.0	3.7	25.0	8.5	25.7	0.1	318.8	0.00170	52.84
1971	14.6	33.0	12.0	15.3	0.0	78.1	4.8	0.0	14.5	3.6	24.8	4.7	1.6	0.1	391.2	0.00177	56.67
1972	16.3	35.3	10.9	16.1	0.0	80.7	4.8	0.0	16.0	3.2	20.0	5.8	21.0	0.1	460.8	0.00211	61.22
1973	18.1	38.5	11.3	18.9	0.0	110.0	6.4	0.0	17.6	6.4	16.4	4.4	23.7	0.1	514.0	0.00237	60.05
1974	19.1	42.8	11.8	20.8	0.0	121.5	9.1	0.0	17.6	7.7	25.7	3.3	18.9	0.1	533.1	0.00248	65.87
1975	19.8	47.7	11.7	21.6	0.0	117.7	3.6	0.0	120.1	8.8	20.2	2.0	44.6	0.1	476.0	0.00224	60.64
1976	20.8	50.7	11.8	23.3	0.0	127.8	1.5	0.0	129.7	8.7	17.0	1.3	31.8	0.1	520.1	0.00248	70.94
1977	21.6	52.5	10.2	20.3	17.4	109.2	1.0	0.0	121.6	14.6	14.2	0.0	48.2	0.1	521.5	0.00248	93.67
1978	23.2	56.5	10.7	18.3	24.4	97.5	0.8	0.0	135.1	21.3	11.3	0.0	39.3	0.0	560.7	0.00273	105.76
1979	24.7	57.3	10.3	18.7	28.5	82.3	0.6	0.0	150.2	14.4	12.1	0.0	55.5	0.0	566.5	0.00274	109.66

MODELO ESTADISTICO DE CONTAMINACION ATMOSFERICA POTENCIAL

UNIDAD: TONELADAS

AÑO	GLP	DASLCA	USO A	USO B	USO C	FULLOY	RESTIP	CASNAI	ELECTR	HULLA	ANTRAC	LIGNIT	COQUE	ABIGNE	TOTAL	
1970	SO2	0	41	283	345	0	2199	5	0	0	88	600	675	270	2	4508
1970	PSB	3	20	118	143	0	175	6	0	110	2250	540	270	2	3635	
1970	NLY	12	350	1604	1958	0	351	19	0	11	125	27	0	0	4538	
1970	CO	0	948	359	431	0	0	0	0	0	0	0	0	0	10673	
1971	SO2	0	44	296	362	0	2134	0	0	0	86	593	704	10	2	4805
1971	PSB	3	22	123	150	0	210	5	0	108	2232	563	16	2	3446	
1971	NLY	13	374	1677	2053	0	437	22	0	10	124	28	5	0	4745	
1971	CO	0	1056	370	452	0	0	0	0	0	0	0	0	0	11322	
1972	SO2	0	51	327	400	0	3159	0	0	0	124	480	671	283	2	5709
1972	PSB	3	25	136	166	0	252	9	0	155	1800	701	283	2	3532	
1972	NLY	15	433	1856	2271	0	505	22	0	15	100	35	35	0	5337	
1972	CO	0	1248	409	500	0	0	0	0	0	0	0	0	0	13189	
1973	SO2	0	54	378	460	0	3649	0	0	0	153	403	659	245	2	6220
1973	PSB	4	26	157	191	0	307	12	0	191	1512	527	249	2	3191	
1973	NLY	17	504	2142	2611	0	615	30	0	19	84	26	74	0	6122	
1973	CO	0	1425	472	575	0	0	0	0	0	0	0	0	0	14300	
1974	SO2	0	57	411	494	0	4234	0	0	0	232	616	495	408	2	6805
1974	PSB	4	28	138	168	0	340	10	0	290	2312	346	408	2	4090	
1974	NLY	17	484	1876	2291	0	680	23	0	29	128	19	122	0	5669	
1974	CO	0	1386	419	505	0	0	0	0	0	0	0	0	0	14599	
1975	SO2	0	63	333	414	0	4119	0	0	0	211	484	300	462	2	6598
1975	PSB	4	31	138	172	0	329	7	0	264	1817	240	465	2	3472	
1975	NLY	18	546	1890	2346	0	659	16	0	26	100	12	140	0	5747	
1975	CO	0	1526	416	511	0	0	0	0	0	0	0	0	0	16196	
1976	SO2	0	67	379	506	14	4659	0	0	0	117	408	195	540	2	6754
1976	PSB	5	33	156	210	1	356	3	0	186	1530	156	540	2	3140	
1976	NLY	21	574	2148	2369	13	713	7	0	14	85	7	162	0	6613	
1976	CO	0	1623	479	652	0	0	0	0	0	0	0	0	0	17329	
1977	SO2	0	70	369	562	208	3824	1	0	0	350	436	0	506	2	6328
1977	PSB	5	35	153	234	3	305	2	0	438	1637	0	506	2	3320	
1977	NLY	20	525	2094	3189	14	611	4	0	43	90	0	15	0	6832	
1977	CO	0	16010	461	703	0	0	0	0	0	0	0	0	0	17964	
1978	SO2	0	75	373	574	233	3414	1	0	0	511	271	0	676	0	6206
1978	PSB	5	37	155	247	5	273	1	0	639	1017	0	676	0	3656	
1978	NLY	22	646	2114	3566	48	546	3	0	63	56	0	203	0	7041	
1978	CO	0	16395	466	742	0	0	0	0	0	0	0	0	0	18103	
1979	SO2	0	76	402	661	342	2879	0	0	0	345	290	0	583	0	5578
1979	PSB	5	38	167	275	6	230	1	0	431	1089	0	543	0	2425	
1979	NLY	25	645	2276	3740	57	400	2	0	43	50	0	175	0	7491	
1979	CO	0	18135	502	820	0	0	0	0	0	0	0	0	0	19661	

MODELO DINAMICO DE CONTAMINACION ATMOSFERICA POTENCIAL
 UNIDAD = TONELADAS

AÑO	GLP	PASAJA	CASO A	GRASO	GRASO L	FUELOS	RESTOS	CASNET	ELECTR	HULLA	AMINAC	LIGNIT	COQUE	AULONE	TOTAL
1980	SLC	14	15	112	41	512	0	0	0	69	62	1	118	0	1294
1980	PSU	7	31	47	0	64	0	0	0	86	234	1	118	0	589
1980	NLY	4	125	426	639	0	120	1	0	8	13	0	35	0	1383
1980	LD	3534	94	191	0	0	0	0	0	0	0	0	0	0	3773
1985	SLC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1985	PSU	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1985	NLY	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1985	LD	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1990	SLC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1990	PSU	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1990	NLY	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1990	LD	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1995	SLC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1995	PSU	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1995	NLY	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1995	LD	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	SLC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	PSU	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	NLY	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	LD	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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MODELO ESTADISTICO PARA LA PROVINCIA

CONSUMO FINAL POR FORMAS DE ENERGIA Y SU ESTRUCTURA

UNIDAD - MILES DE TON Y

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ANO	GLP	BASTNA	CASO A	CASO B	CASO C	FUELOS	RESTPP	CASNAT	ELECTR	HULLA	ANTRAC	LIGNIT	COQUE	AGLOME	TOTAL	PER	CAPITAL
1970	11.6	41.9	60.2	25.2	0.0	95.4	1.8	0.0	0.1	5.7	0.1	0.0	6.4	0.0	318.4	0.00047	36.67
1971	36.3	45.3	62.8	26.8	0.0	111.1	1.3	0.0	54.5	2.4	0.1	0.0	6.9	0.0	346.6	0.00052	40.68
1972	11.0	13.0	15.0	7.7	0.0	31.9	0.4	0.0	16.6	0.7	0.0	0.0	1.7	0.0			
1973	15.0	50.0	65.3	25.1	0.0	127.3	1.7	0.0	63.5	5.1	0.1	0.0	5.7	0.0	387.9	0.00054	46.04
1974	10.0	13.1	15.1	7.5	0.0	33.0	0.3	0.0	16.3	0.3	0.0	0.0	1.5	0.0			
1975	40.5	58.5	72.8	33.3	0.0	153.1	1.0	0.0	74.1	1.1	0.0	0.0	8.0	0.0	447.8	0.00068	54.66
1976	2.1	13.1	17.4	7.4	0.0	34.2	0.2	0.0	16.6	0.2	0.0	0.0	1.8	0.0			
1977	42.0	58.5	71.1	33.0	0.0	152.3	2.8	0.0	86.5	0.1	0.1	0.0	1.3	0.0	515.3	0.00074	61.52
1978	4.7	12.1	15.3	8.0	0.0	37.1	0.6	0.0	16.6	0.1	0.0	0.0	1.5	0.0			
1979	43.5	68.8	81.6	38.5	0.0	195.2	0.8	0.0	83.6	0.9	0.1	0.0	9.6	0.0	514.6	0.00079	64.28
1980	8.5	12.6	15.9	8.7	0.0	37.9	0.1	0.0	16.2	0.2	0.0	0.0	1.8	0.0			
1981	44.8	68.3	86.7	39.0	2.8	204.6	0.3	0.0	87.3	0.6	0.1	0.0	6.8	0.0	541.8	0.00089	66.67
1982	6.3	12.0	16.0	8.8	0.4	37.8	0.1	0.0	16.1	0.1	0.0	0.0	1.6	0.0			
1983	40.0	72.3	89.1	41.4	6.6	189.8	0.3	0.0	91.2	1.3	0.0	0.0	13.7	0.0	551.9	0.00086	71.44
1984	8.3	13.1	16.2	7.5	1.2	34.4	0.1	0.0	16.5	0.2	0.0	0.0	2.5	0.0			
1985	50.6	78.0	93.7	46.8	10.1	200.3	0.1	0.0	96.2	1.0	0.1	0.0	19.8	0.0	592.2	0.00093	78.06
1986	6.5	13.3	16.7	7.9	1.7	33.0	0.1	0.0	16.2	0.1	0.0	0.0	2.5	0.0			
1987	55.0	81.2	98.8	47.8	13.3	155.6	0.2	0.0	100.3	1.0	0.0	0.0	12.5	0.0	592.5	0.00094	74.53
1988	2.1	13.7	16.3	8.1	2.3	31.3	0.0	0.0	16.9	0.2	0.0	0.0	2.1	0.0			

MODELO ESTADISTICO DE CONTAMINACION ATMOSFERICA POTENCIAL

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ANO	CO	GASOLNA	GASO A	GASO B	GASO C	PULVERI	ELSTIP	CASNAI	ELECTR	HOCCA	ANTRAC	LIGNIT	COQUE	ALCOHOL	TOTAL
1970	SC2	0	45	481	208	0	3534	2	0	0	136	7	0	66	4287
1970	PSA	7	27	200	65	0	266	3	0	0	170	27	0	66	591
1970	NCA	30	464	2726	1169	0	533	6	0	0	17	1	0	26	4973
1970	CO	0	1324	601	567	0	0	0	0	0	0	0	0	0	14106
1971	SC2	0	60	512	214	0	3889	1	0	0	57	2	0	61	4786
1971	PSA	4	30	207	89	0	311	2	0	0	71	9	0	61	791
1971	NCA	36	513	2445	1217	0	622	6	0	0	7	0	0	16	5268
1971	CO	0	14495	628	269	0	0	0	0	0	0	0	0	0	15391
1972	SC2	0	61	547	234	0	4474	1	0	0	50	2	0	59	5439
1972	PSA	4	34	228	97	0	358	2	0	0	63	9	0	59	658
1972	NCA	37	578	3188	1326	0	716	5	0	0	6	0	0	17	5783
1972	CO	0	16271	684	292	0	0	0	0	0	0	0	0	0	17247
1973	SC2	0	78	622	268	0	5354	1	0	0	26	0	0	63	6435
1973	PSA	7	37	259	110	0	428	2	0	0	33	0	0	63	963
1973	NCA	38	666	3524	1409	0	857	4	0	0	3	0	0	25	6631
1973	CO	0	18418	778	332	0	0	0	0	0	0	0	0	0	19925
1974	SC2	0	75	618	264	0	6387	1	0	0	16	2	0	76	7444
1974	PSA	4	34	256	110	0	511	5	0	0	20	9	0	76	1035
1974	NCA	40	663	3445	1496	0	1022	13	0	0	2	0	0	23	6754
1974	CO	0	14226	770	330	0	0	0	0	0	0	0	0	0	15824
1975	SC2	0	86	654	276	0	6834	1	0	0	21	2	0	94	7971
1975	PSA	10	44	272	115	0	546	1	0	0	26	9	0	99	1121
1975	NCA	41	734	3706	1564	0	1093	3	0	0	2	0	0	29	7172
1975	CO	0	20745	817	345	0	0	0	0	0	0	0	0	0	21697
1976	SC2	0	92	643	292	0	7164	0	0	0	14	2	0	92	8382
1976	PSA	10	46	288	121	0	573	0	0	0	24	9	0	52	1161
1976	NCA	42	785	3930	1659	0	1146	2	0	0	2	0	0	27	7587
1976	CO	0	22175	566	365	0	0	0	0	0	0	0	0	0	23406
1977	SC2	0	96	714	31	0	6644	0	0	0	31	0	0	143	8038
1977	PSA	10	46	297	138	0	531	0	0	0	39	0	0	143	1207
1977	NCA	43	814	4046	1376	0	1063	1	0	0	3	0	0	43	7907
1977	CO	0	23135	652	414	0	0	0	0	0	0	0	0	0	24441
1978	SC2	0	104	741	374	0	7014	0	0	0	43	2	0	155	8557
1978	PSA	11	52	316	155	0	561	0	0	0	54	9	0	155	1307
1978	NCA	43	894	4262	2121	0	1122	1	0	0	5	0	0	44	3454
1978	CO	0	24151	924	467	0	0	0	0	0	0	0	0	0	26544
1979	SC2	0	104	774	392	0	6499	0	0	0	24	0	0	131	8078
1979	PSA	11	54	322	159	0	519	0	0	0	30	0	0	131	1229
1979	NCA	51	915	4386	2145	0	1039	0	0	0	3	0	0	36	3632
1979	CO	0	25968	967	478	0	0	0	0	0	0	0	0	0	27413

MODELO DINAMICO PARA LA CAPITAL

CONSUMO FINAL POR FORMAS DE ENERGIA Y SU ESTRUCTURA
UNIDAD: MILES DE TON Y °C

CONSUMO PER
CAPITA
CONSUMO DE C°
CAPITAL

ANOS	ULP	GASLNA	CASO A	CASO B	CASO C	FUELOS	RESIPP	GASNAT	ELECTR	MULLA	ANTRAC	LIGNIT	COQUE	AGLOME	TOTAL	CONSUMO PER CAPITA	CONSUMO DE C° CAPITAL
1-80	1.6	10.4	12.4	5.0	1.0	28.6	0.0	0.0	13.3	0.0	0.0	0.0	1.7	0.0	19.7	0.00093	19.72
1-85	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	0.00102	0.0
1-90	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	0.00105	0.0
1-95	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	0.00112	0.0
2010	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	0.00115	0.0

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MODELO ESTADISTICO PARA LA PROVINCIA

CONSUMO FINAL POR FORMAS DE ENERGIA Y SU ESTRUCTURA
 UNIDAD: MILES DE TEE Y T

CONSUMO PER
CAPITA
CONSUMO DE LA
CAPITAL

ANL	ULP	GAS LAA	CASO A	CASO B	GASO C	FULLOI	RESIRP	GAS NAT	ELECTR	HULLA	ANTRAC	LIGNIT	COQUE	AGLOME	TOTAL	CONSUMO PER CAPITA	CONSUMO DE LA CAPITAL
1970	21.6	40.4	41.3	28.7	0.0	68.0	3.6	0.0	17.0	177.6	35.9	0.0	3.5	0.0	503.1	0.00098	101.21
1971	22.2	53.0	71.7	31.6	0.0	81.0	2.5	0.0	80.6	141.8	45.7	0.0	3.8	0.0	536.9	0.00096	101.66
1972	22.4	67.6	75.8	32.7	0.0	131.2	3.5	0.0	11.5	171.1	10.1	0.0	3.5	0.3	583.7	0.00124	132.75
1973	32.9	70.8	87.2	37.3	1.0	182.1	4.9	0.0	82.1	327.7	112.6	0.0	3.3	0.4	941.4	0.00172	167.33
1974	34.4	71.4	88.1	33.0	0.0	196.5	4.1	0.0	10.8	306.2	81.3	0.0	2.5	7.2	709.1	0.00168	185.46
1975	37.3	81.9	90.9	40.2	0.0	186.6	4.3	0.0	85.5	180.6	73.4	0.0	3.0	10.2	800.0	0.00180	167.31
1976	42.7	89.3	114.4	43.1	1.6	109.1	2.7	0.0	72.8	156.4	35.6	0.0	3.7	0.9	803.4	0.00182	172.76
1977	43.0	94.7	100.2	71.3	28.7	253.3	1.9	0.0	106.7	117.0	32.4	0.0	5.0	0.3	865.5	0.00165	190.50
1978	46.7	103.8	111.6	83.1	31.2	229.1	1.9	0.0	100.2	80.5	21.6	0.0	3.0	22.2	852.7	0.00164	192.47
1979	52.0	112.3	115.9	88.3	46.3	196.1	1.8	0.0	112.2	120.9	71.5	0.0	4.1	7.2	929.3	0.00181	215.36

MODELO ESTADICO DE CONTAMINACION ATMOSFERICA POTENCIAL

UNIDAD = TONELADAS

ANO	ULF	GASOLNA	DIASO A	DIASO B	CASO C	FOULDI	RESISTE	CASO D	ELECTR	NULLA	ANTHRC	LIGNII	COQUE	ASLONE	TOTAL
1970 SO2	0	64	538	231	0	2320	4	0	0	4262	1341	0	30	0	1856
1970 P	5	74	224	96	0	190	7	0	0	5328	5030	0	36	0	10946
1970 NCA	24	545	3653	1312	0	380	14	0	0	532	279	0	11	0	6152
1970 CO	0	15503	673	289	0	0	0	0	0	0	0	0	0	0	16465
1971 SO2	0	71	573	240	0	2834	3	0	0	3403	1096	0	15	0	4263
1971 P	5	35	236	102	0	224	5	0	0	4254	4112	0	39	0	9614
1971 NCA	23	610	3250	1394	0	453	11	0	0	425	228	0	11	0	6405
1971 CO	0	17431	716	307	0	0	0	0	0	0	0	0	0	0	18254
1972 SO2	0	50	400	200	0	4594	5	0	0	4653	1682	0	36	151	12072
1972 P	6	40	252	106	0	367	7	0	0	5823	6309	0	36	126	13674
1972 NCA	27	686	3434	1475	0	735	16	0	0	582	350	0	11	14	7336
1972 CO	0	15391	757	329	0	0	0	0	0	0	0	0	0	0	20473
1973 SO2	0	54	673	296	0	6374	6	0	0	7864	2702	0	34	9	13078
1973 P	7	47	293	124	0	509	9	0	0	9630	1034	0	34	7	26591
1973 NCA	31	462	3950	1693	0	1614	23	0	0	983	563	0	10	1	9675
1973 CO	0	22455	871	373	0	0	0	0	0	0	0	0	0	0	23899
1974 SO2	0	49	705	304	0	6879	3	0	0	7348	1951	0	25	172	17463
1974 P	8	47	293	126	0	560	5	0	0	9185	7317	0	25	143	17698
1974 NCA	32	469	3996	1713	0	1100	12	0	0	918	406	0	7	21	9816
1974 CO	0	22446	881	377	0	0	0	0	0	0	0	0	0	0	24108
1975 SO2	0	104	775	321	0	6934	5	0	0	4334	1761	0	31	244	14114
1975 P	8	44	323	133	0	622	6	0	0	5418	6605	0	31	203	13305
1975 NCA	35	428	4292	1822	0	1645	20	0	0	541	366	0	5	30	9188
1975 CO	0	24200	964	401	0	0	0	0	0	0	0	0	0	0	25758
1976 SO2	0	114	915	386	116	7314	3	0	0	3753	884	0	36	21	13622
1976 P	10	59	361	160	2	585	5	0	0	4691	3204	0	36	17	9152
1976 NCA	40	1013	5184	2182	15	1171	12	0	0	469	178	0	11	2	10285
1976 CO	0	21611	1199	481	0	0	0	0	0	0	0	0	0	0	30233
1977 SO2	0	120	873	371	343	4864	2	0	0	2808	777	0	22	7	14421
1977 P	10	63	363	157	6	704	3	0	0	3510	2915	0	12	6	7874
1977 NCA	42	1072	4650	1930	57	1414	9	0	0	351	161	0	15	6	11306
1977 CO	0	50288	1621	712	0	0	0	0	0	0	0	0	0	0	52491
1978 SO2	0	13	892	609	446	4019	2	0	0	1932	516	0	39	532	13187
1978 P	11	61	371	170	5	641	3	0	0	2415	1944	0	39	443	6222
1978 NCA	44	1173	6054	2744	74	1283	9	0	0	241	108	0	11	66	11864
1978 CO	0	53120	1115	430	0	0	0	0	0	0	0	0	0	0	55671
1979 SO2	0	141	927	700	556	6864	2	0	0	2061	1716	0	42	172	14039
1979 P	12	74	380	174	10	549	3	0	0	3426	6435	0	42	143	11574
1979 NCA	50	1273	5250	2005	92	1022	8	0	0	342	352	0	12	24	12534
1979 CO	0	55851	1154	483	0	0	0	0	0	0	0	0	0	0	57593

MODELO DINAMICO PARA LA CAPITAL

CONTIENO FINAL POR FORMAS DE ENERGIA Y SU ESTRUCTURA
 UNIDAD: MILES DE TON Y Y

ANO	ELP	CASAA	GASO A	GASO C	FUELOS	RESIPP	GASNAI	ELECTR	NULLA	ANTHAC	LIGNIT	COQUE	AGLOME	TOTAL	CONSUMO PER CAPITA	CONSUMO DE LA CAPITAL
1980	11.4	29.1	29.0	16.8	0.7	58.9	0.5	0.0	24.3	32.7	11.7	0.0	0.8	2.4	216.0	0.00180
1981	11.2	1.2	1.2	1.2	1.2	27.0	0.2	0.0	10.0	15.0	5.0	0.0	0.4	1.1	0.0	0.0
1982	11.7	12.4	6.4	3.8	29.4	0.2	0.0	10.4	12.0	4.5	0.0	0.4	0.0	0.0	0.0	0.0
1983	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
1984	12.3	12.7	9.3	4.8	32.5	0.1	0.0	9.9	0.0	7.6	3.2	0.0	0.3	0.0	0.0	0.0
2000	11.0	12.6	12.1	9.0	5.1	33.8	0.0	0.0	9.7	6.0	2.1	0.0	0.3	1.7	0.0	0.0

MODELO DINAMICO DE CONTAMINACION ATMOSFERICA POTENCIAL

UNIDAD = TONELADAS

AÑO	OLE	CASLVA	GRSO A	GRSO E	CASO E	COLODI	RESTEP	CASNAT	ELECTR	HULLA	ANTRAC	LIGNIT	COQUE	AGLNE	TOTAL
1980 SGE	0	32	212	134	80	2044	0	0	0	790	281	0	0	51	3644
1980 PSE	2	16	93	55	1	163	1	0	0	995	1054	0	0	48	2431
1980 NLX	10	272	1204	761	13	327	2	0	0	99	58	0	2	7	2756
1980 LL	0	7715	265	167	0	0	0	0	0	0	0	0	0	0	8151
1985 SGE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1985 PSE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1985 NLX	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1985 LL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1990 SGE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1990 PSE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1990 NLX	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1990 LL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1995 SGE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1995 PSE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1995 NLX	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1995 LL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2000 SGE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2000 PSE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2000 NLX	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2000 LL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

PCOLLO ESTADISTICO PARA LA PROVINCIA

CONSUMO FINAL POR FORMAS DE ENERGIA Y SU ESTRUCTURA
 UNIDAD = MILES DE TON Y

ANOS	LEN	GASOLINA	CASO A	CASO B	CASO C	FUELOS RESIDUOS	GAS NAT	ELECTR	HULLA	ANTRAC	LTIGNIT	COQUE	AGLONE	TOTAL	CONSUMO PER CAPITA	CONSUMO DE LA CAPITAL		
1970	21.5	0.21	91.6	65.3	0.6	133.8	13.1	0.0	01.1	6.9	8.0	1.1	0.2	0.1	455.7	0.00131	119.70	
1971	27.2	0.6	133.6	115	18.3	0.6	273.3	2.9	0.0	5.0	1.5	2.0	0.3	0.0	0.0	465.4	0.00140	125.04
1972	25.3	0.2	161.3	118.1	11.8	0.0	173.4	16.5	0.0	10.1	0.2	2.3	1.1	0.2	0.1	550.4	0.00159	148.26
1973	30.6	0.5	141.1	21.8	14.6	0.0	30.7	3.8	0.0	56.5	1.1	2.7	0.4	0.2	0.5	625.6	0.00161	170.40
1974	33.3	0.4	133.6	20.4	13.9	0.0	32.5	3.0	0.0	10.4	0.1	0.1	0.0	0.0	0.0	618.1	0.00178	171.70
1975	34.9	0.6	151.1	22.8	15.1	0.0	28.5	1.9	0.0	10.4	0.2	0.2	0.0	0.0	1.0	618.6	0.00179	177.00
1976	36.6	0.7	141.2	24.8	14.8	0.0	28.8	0.5	0.0	10.8	0.1	0.1	0.0	0.0	0.1	697.0	0.00202	208.17
1977	38.1	0.5	182.4	16.5	15.1	0.0	27.9	0.3	0.0	10.9	0.1	0.1	0.0	0.0	0.1	712.8	0.00206	214.19
1978	41.5	0.5	181.0	21.8	18.7	0.0	24.0	0.2	0.0	11.8	0.0	0.1	0.0	0.0	0.1	788.4	0.00216	230.46
1979	44.0	0.5	152.0	20.5	16.5	0.0	23.4	0.2	0.0	12.7	0.0	0.1	0.0	0.0	0.0	797.6	0.00231	261.68

MODELO ESTADISTICO DE CONTAMINACION ATMOSFERICA POTENCIAL
UNIDAD = TONELADAS

AN	CO	GASO A	GASO B	GASO C	FUELOS	RESIDUO	GASO A	ELECTR	NULLA	ANTRAC	LIGNIT	CCOUL	ADOLM	TOTAL	
1970	CO	0	780	522	0	4009	11	0	0	165	213	457	1	2	6910
1970	PC	5	41	325	217	0	373	24	0	206	800	366	1	2	2362
1970	NCX	23	163	4433	2958	0	747	66	0	20	44	18	0	0	9005
1970	CC	1	19631	577	652	0	0	0	0	0	0	0	0	0	21500
1971	CO	0	780	511	544	0	3529	20	0	48	4	247	1	2	7300
1971	PC	0	49	306	226	0	442	31	0	60	17	197	1	2	1366
1971	NCX	21	754	4636	3037	0	884	72	0	6	0	9	0	0	5467
1971	CC	0	21311	1021	650	0	1	0	0	0	0	0	0	0	23012
1972	CO	0	101	713	622	0	6279	22	0	4	55	157	1	2	6176
1972	PC	0	54	366	259	0	502	33	0	5	207	126	1	2	1579
1972	NCX	27	65	6490	3529	0	1004	77	0	6	11	6	0	0	10809
1972	CC	0	29431	1166	776	0	0	0	0	0	0	0	0	0	26375
1973	CO	0	117	1093	726	0	6129	31	0	20	64	67	1	12	6665
1973	PC	7	56	455	303	0	538	47	0	33	242	53	1	10	1747
1973	NCX	29	504	6194	4127	0	1076	100	0	3	13	2	0	0	12553
1973	CC	0	28223	1366	910	0	0	0	0	0	0	0	0	0	30499
1974	CO	0	112	1026	674	0	7004	23	0	19	12	29	1	3	6914
1974	PC	7	56	427	285	0	560	35	0	24	45	23	1	3	1466
1974	NCX	31	559	6814	3876	0	1120	82	0	8	2	1	0	0	11886
1974	CC	0	27011	1252	456	0	0	0	0	0	0	0	0	0	29304
1975	CO	0	124	1126	747	0	6169	19	0	24	31	37	1	24	6296
1975	PC	0	62	469	311	0	493	23	0	30	117	30	1	20	1564
1975	NCX	35	1053	6385	4236	0	987	53	0	3	6	1	0	0	12746
1975	CC	0	25503	1808	934	0	0	0	0	0	0	0	0	0	32245
1976	CO	0	131	1371	855	117	7024	5	0	16	16	37	1	24	8547
1976	PC	0	65	571	335	2	561	7	0	20	62	30	1	20	1682
1976	NCX	34	1116	7772	4562	19	1123	17	0	2	3	1	0	0	14654
1976	CC	0	21553	1714	1006	0	0	0	0	0	0	0	0	0	24303
1977	CO	0	131	1211	661	271	6974	2	0	9	12	29	1	19	6594
1977	PC	0	63	533	356	4	557	3	0	11	45	23	1	10	1627
1977	NCX	37	1161	7262	4882	45	1415	8	0	1	2	1	0	0	14510
1977	CC	0	22711	1691	1076	0	0	0	0	0	0	0	0	0	25960
1978	CO	0	149	1286	997	367	6555	0	0	1	14	7	1	24	6408
1978	PC	0	74	535	415	0	524	3	0	9	54	0	0	20	1655
1978	NCX	39	1271	7262	5060	61	1048	7	0	0	3	0	0	0	15371
1978	CC	0	23553	1697	1240	0	0	0	0	0	0	0	0	0	26756
1979	CO	0	160	1332	1053	543	6544	1	0	7	9	22	1	0	6671
1979	PC	0	70	555	435	5	521	0	0	9	35	17	0	0	1674
1979	NCX	41	1361	7542	5370	90	1047	5	0	0	1	0	0	0	16062
1979	CC	0	28900	1665	1316	0	0	0	0	0	0	0	0	0	31381

Modelo de Contam. S. A.

-MÓDULO DINÁMICO PARA LA CAPITAL-

CONSUMO FINAL POR FORMAS DE ENERGÍA Y SU ESTRUCTURA
UNIDAD: MILE. DE TEC Y

CONSUMO PER
CAPITA CONSUMO DE LA
CAPITAL

FORMA DE ENERGÍA	1960	1965	1970	1975	1980	1985	1990	1995	2000	2005	2010	2015	2020	TOTAL	CONSUMO PER CAPITA	CONSUMO DE LA CAPITAL	
1.8	13.3	36.7	54.1	32.1	7.0	89.1	1.3	0.0	20.1	0.0	0.0	0.0	0.0	0.1	244.0	0.00220	244.05
2.4	14.9	22.2	15.8	3.9	25.6	0.0	0.0	12.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.00236	0.0
1.90	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	0.00247	0.0
1.925	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	0.1	0.0	0.00256	0.0
2.00	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	0.1	0.0	0.00264	0.0

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MODELO ESTÁTICO PARA LA PROVINCIA

CONSUMO FINAL POR FORMAS DE ENERGÍA Y SU ESTRUCTURA
CIUDAD DE RÍO DE JANEIRO

CONSUMO
POR
CÁPIA

CONSUMO
DE LA
CAPITAL

ANO	GLP	GASNA	CASO A	CASO B	GASO C	FUELOS	RESIPP	GASNAT	ELECTR	NULLA	ANTRAC	LIGNIT	COQUE	AGLOME	TOTAL	CONSUMO POR CÁPIA	CONSUMO DE LA CAPITAL
1971	10.1	27.0	31.6	21.1	0.0	88.7	1.3	0.0	22.2	2.9	3.0	0.1	0.1	0.1	210.8	0.00085	67.65
1972	9.0	13.0	15.3	10.5	0.0	28.0	0.7	0.0	11.1	2.7	2.0	0.1	0.1	0.1	215.6	0.00092	77.63
1973	20.3	29.7	32.7	21.8	0.0	79.7	1.8	0.0	23.7	3.2	1.5	0.2	0.8	0.2	215.6	0.00092	77.63
1974	25.4	35.5	38.0	25.0	0.0	91.0	2.0	0.0	21.0	4.3	0.6	0.0	0.1	0.2	246.6	0.00108	70.33
1975	31.0	40.9	41.5	27.6	0.0	108.6	3.9	0.0	30.8	0.7	0.7	0.0	0.6	0.0	285.9	0.00121	107.31
1976	11.4	32.0	38.1	23.1	1.0	120.9	3.1	0.0	35.4	1.7	0.8	0.0	0.6	0.0	310.5	0.00130	119.47
1977	10.1	13.7	14.3	9.6	0.0	30.3	1.1	0.0	11.1	0.5	0.3	0.0	0.2	0.0	310.6	0.00130	122.48
1978	25.0	48.0	45.0	30.9	0.0	117.5	2.5	0.0	37.7	1.4	1.4	0.0	0.2	0.0	310.6	0.00130	122.48
1979	6.1	15.5	14.8	9.9	0.0	37.8	0.8	0.0	12.1	0.5	0.5	0.0	0.1	0.0	310.6	0.00130	122.48
1980	20.0	31.3	30.7	24.3	1.0	118.0	1.2	0.0	33.0	1.1	0.2	0.0	0.3	0.0	344.5	0.00143	139.26
1981	7.0	15.2	10.5	10.0	3.0	32.9	0.3	0.0	12.5	0.3	0.1	0.0	0.1	0.0	344.5	0.00143	139.26
1982	26.5	65.7	60.0	43.3	30.9	103.8	0.8	0.0	46.6	2.0	0.2	0.0	0.2	0.2	369.1	0.00153	152.92
1983	7.5	15.1	15.9	11.7	8.4	28.1	0.2	0.0	12.6	0.5	0.1	0.0	0.1	0.1	369.1	0.00153	152.92
1984	27.0	60.9	60.3	51.4	39.9	103.0	1.2	0.0	47.2	0.5	0.2	0.0	0.3	0.1	397.6	0.00168	168.40
1985	7.0	15.3	15.2	12.0	10.0	28.1	0.2	0.0	12.5	0.1	0.1	0.0	0.1	0.0	397.6	0.00168	168.40
1986	28.7	66.9	65.5	59.4	49.7	96.8	0.8	0.0	57.0	0.8	1.2	0.0	0.3	0.3	427.4	0.00176	186.18
1987	6.7	15.7	15.3	13.5	11.6	22.7	0.2	0.0	13.3	0.2	0.3	0.0	0.1	0.1	427.4	0.00176	186.18

MODELO DINAMICO PARA LA CAPITAL

CONSUMO FINAL POR FORMAS DE ENERGIA Y SU ESTRUCTURA
 UNIDAD: MILES DE TONELADAS

CONSUMO PER CAPITA CONSUMO DE LA CAPITAL

ANO	CASE A	CASE B	CASE C	FUELOS	RESUR	GAS NAT	ELECTR	HULLA	ANTRAC	LIGNIT	COQUE	AGLOME	TOTAL	PER CAPITA	CAPITAL
1970	15.5	27.0	21.1	13.3	32.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	118.1	0.00168	176.07
1975	15.0	15.7	15.1	12.2	9.1	27.7	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.00179	0.0
1980	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	0.00190	0.0
1985	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	0.00198	0.0
1990	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	0.00205	0.0

MODELO DINAMICO DE CONTAMINACION ATMOSFERICA POTENCIAL

UNIDAD: TONELADAS

AÑO	ELP	CASNA	PASC A	PASC L	GASO C	FUELOS	RESIDU	CASHAT	ELECTR	MULLA	INTRAC	LIGHT	RECUL	AGLOME	TOTAL
1980 P2	0	30	210	168	159	1839	0	0	0	0	0	0	0	0	2410
1981 P2	0	15	90	70	2	147	1	0	0	0	0	0	0	0	331
1980 HCA	12	311	1220	967	26	294	3	0	0	0	0	0	0	0	2825
1980 LA	0	377	270	211	0	0	0	0	0	0	0	0	0	0	5263
1985 S02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1985 P2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1985 HCA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1985 LA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1990 S02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1990 P2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1990 HCA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1990 LA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1995 S02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1995 P2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1995 HCA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1995 LA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2000 S02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2000 P2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2000 HCA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2000 LA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

ENCUADRO ESTADISTICO PARA LA PROVINCIA

CONSUMO FINAL POR FORMAS DE ENERGIA Y SU ESTRUCTURA

UNIDAD: MILES DE TON Y T

CONSUMO PER CAPITA CONSUMO DE LA CAPITAL

ANO	GLP	GASOLINA	CASO A	CASO B	CASO C	FUELOS RESIDUOS	GASOLAS	ELECTR	HULLA	ANTRAC	LIGNIT	COQUE	AGLONE	TOTAL	PER CAPITA	CAPITAL	
1970	15.1	25.7	40.9	17.5	0.0	37.8	1.0	0.0	21.8	14.0	1.1	0.0	0.0	0.1	200.0	0.00048	30.87
1971	14.3	29.3	45.1	19.3	0.0	34.1	0.8	0.0	21.9	18.2	0.2	0.0	0.0	0.1	223.1	0.00053	33.87
1972	15.1	32.4	53.7	21.8	0.0	31.0	1.0	0.0	22.1	24.3	0.7	0.0	0.0	0.0	252.0	0.00060	38.57
1973	17.5	41.4	66.7	28.5	0.0	27.0	1.5	0.0	24.7	23.2	0.9	0.0	0.0	0.0	291.2	0.00070	45.91
1974	18.0	48.2	72.5	31.0	0.0	23.8	0.5	0.0	27.9	22.1	0.9	0.0	0.0	0.0	317.5	0.00078	52.60
1975	21.2	51.6	78.8	33.1	0.0	19.1	0.0	0.0	34.4	24.6	0.4	0.0	0.0	0.0	317.4	0.00066	57.89
1977	26.7	53.7	72.2	58.7	10.2	92.2	0.2	0.0	34.4	24.6	0.4	0.0	0.0	0.0	373.2	0.00092	63.48
1978	31.7	62.9	72.0	63.1	12.3	99.1	0.2	0.0	34.4	24.6	0.4	0.0	0.0	0.0	417.1	0.00104	71.42
1979	39.1	67.7	78.7	63.9	16.6	90.4	0.2	0.0	39.5	25.1	0.5	0.0	0.0	0.0	515.6	0.00130	91.10

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MODELO DINAMICO PARA LA CAPITAL

CONSUMO FINAL POR FORMAS DE ENERGIA Y SU ESTRUCTURA
UNIDADES EN MILES DE TON Y A

CONSUMO PER
CAPITA
CONSUMO DE CA
CAPITAL

ANO	GLP	GASNA	GASO A	GASO B	GASO C	FULLOI	RESIPP	GASNAT	ELECTR	MULLA	ANTRAC	LIGNIT	COQUE	AGLONE	TOTAL	CONSUMO PER CAPITA	CONSUMO DE CA CAPITAL
1980	0.1	11.2	14.8	10.4	1.7	18.5	0.1	0.0	10.0	3.1	0.1	0.0	0.0	0.0	78.0	0.00106	74.98
1985	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	0.00117	0.00
1990	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	0.00125	0.00
1995	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	0.00131	0.00
2000	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	0.00137	0.00

MODELO DINAMICO DE CONTAMINACION ATMOSFERICA POTENCIAL

UNIDAD = TONELADAS

ANO	CO2	GASES	GASO A	GASO B	GASO C	FUELOS	HEXIFO	CASNET	ELECTR	MULLA	ADIFRAC	KIBNET	CCQUE	AGLONE	TOTAL
1960 SO2	0	14	110	83	19	648	0	0	0	75	2	0	0	0	981
1960 PM10	1	7	43	34	0	51	0	0	0	99	0	0	0	0	249
1960 NLX	4	126	660	473	3	103	0	0	0	0	0	0	0	0	1378
1960 LO	0	3570	193	104	0	0	0	0	0	0	0	0	0	0	3819
1965 SO2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1965 PM10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1965 NLX	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1965 LO	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1970 SO2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1970 PM10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1970 NLX	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1970 LO	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1975 SO2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1975 PM10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1975 NLX	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1975 LO	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2000 SO2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2000 PM10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2000 NLX	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2000 LO	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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MODELO ESTADISTICO PARA LA PROVINCIA

CONSUMO FINAL POR FORMAS DE ENERGIA Y SU CONSTRUCCION

CONSUMO PER CAPITA

CONSUMO DE LA CAPITAL

UNIDAD: MILES DE TONELADAS

PER CAPITA

DE LA CAPITAL

ANU. P.L.P. GASOLINA GASO. Z. CASO. E. GASO. C. FUELOS RESID. P. GASOL. ELECTR. HULLA ANTRAC. LIGNIT. COQUE AGLOME. TOTAL

ANU.	P.L.P.	GASOLINA	GASO. Z.	CASO. E.	GASO. C.	FUELOS RESID.	P. GASOL.	ELECTR.	HULLA	ANTRAC.	LIGNIT.	COQUE	AGLOME.	TOTAL	PER CAPITA	DE LA CAPITAL	
1971	284.4	147.5	426.2	48.4	0.0	1056.3	596.0	0.0	111.0	40.7	135.5	0.0	1.1	31.4	3764.7	0.00101	3295.60
1972	13.0	11.0	1.2	0.0	28.6	13.8	0.0	15.4	1.0	3.0	0.0	0.2	0.4				
1973	520.6	600.0	462.8	51.4	0.0	1166.8	639.4	0.0	675.3	28.7	297.2	0.0	8.1	30.5	4289.0	0.00113	3521.57
1974	7.7	14.0	10.5	1.2	0.0	27.2	14.9	0.0	15.7	0.7	6.9	0.0	0.2	0.7			
1975	12.2	87.4	100.4	89.7	0.0	1304.0	737.5	0.0	144.1	15.3	404.5	0.0	0.4	0.6	4715.7	0.00121	3791.86
1976	1.4	14.4	10.0	1.2	0.0	21.7	15.0	0.0	15.4	0.4	6.5	0.0	0.2	0.0			
1977	370.7	778.3	555.2	61.7	0.0	1468.3	819.2	0.0	425.8	14.1	294.4	0.0	4.7	0.2	6201.2	0.00130	4695.41
1978	7.3	15.0	10.7	1.2	0.0	28.2	15.7	0.0	15.9	0.3	5.7	0.0	0.1	0.0			
1979	402.2	75.13	871.1	80.3	0.0	1593.3	570.5	0.0	492.3	18.5	251.0	0.0	0.4	0.1	5049.2	0.00123	3893.37
1980	15.7	11.0	1.2	0.0	29.6	16.5	0.0	17.7	0.4	5.0	0.0	0.1	0.0				
1981	424.7	862.2	562.2	61.8	158.7	1261.5	589.0	0.0	913.1	17.0	263.3	0.0	7.9	0.0	5111.3	0.00121	3659.59
1982	5.3	17.3	11.4	1.2	3.1	24.7	10.7	0.0	17.9	0.3	5.0	0.0	0.2	0.0			
1983	169.1	540.3	541.1	19.9	681.0	827.5	565.3	0.0	384.4	12.2	182.4	0.0	0.0	13.2	5174.2	0.00128	3988.95
1984	9.1	17.6	10.4	1.5	12.5	16.5	10.0	0.0	18.2	0.2	4.0	0.0	0.1	0.2			
1985	496.4	903.4	568.3	116.8	840.6	721.6	613.3	0.0	944.3	16.5	154.1	0.0	7.8	12.1	5515.6	0.00123	3992.04
1986	5.6	17.8	10.3	2.1	15.2	13.1	11.1	0.0	17.9	0.2	2.6	0.0	0.1	0.2			
1987	522.5	1041.9	541.3	142.5	110.7	715.1	613.0	0.0	1046.3	6.2	181.0	0.0	5.6	11.3	5738.6	0.00125	4081.47
1988	9.1	18.4	11.4	1.5	15.4	12.1	11.1	0.0	18.2	0.1	2.7	0.0	0.1	0.2			
1989	555.1	1103.1	555.5	154.3	955.3	710.3	624.2	0.0	1093.0	6.9	176.0	0.0	4.6	0.0	5949.7	0.00127	4128.77
1990	3.3	18.5	9.3	2.6	16.1	11.9	10.6	0.0	18.5	0.1	3.0	0.0	0.1	0.0			

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MODELO DINAMICO PARA LA CAPITAL

CONSUMO FINAL POR FORMAS DE ENERGIA Y SU ESTRUCTURA
UNIDAD: MILES DE TEG Y C

CONSUMO PER
CAPITA CONSUMO
DE LA CAPITAL

ANO	OLF	GASERA	CASO A	CASO B	CASO C	FUELOS	RESIPP	CASNAT	ELECTR	HULLA	ANTRAC	LIGNIT	COQUE	AGLOME	TOTAL	PER CAPITA	CAPITAL
1980	378.2	709.0	420.9	817.3	559.4	143.9	49.34	0.0	771.2	1.9	102.8	0.1	8.3	0.0	4131.3	0.00128	4131.34
1985	413.7	840.5	441.7	1100.9	720.6	558.4	427.9	0.0	636.6	0.0	61.5	0.1	3.9	0.0	4409.8	0.00131	4409.82
1990	435.2	912.9	456.3	1122.4	623.9	493.9	420.0	0.0	674.0	0.0	23.2	0.1	3.0	0.0	4621.5	0.00133	4621.56
1995	473.3	976.1	471.1	1222.8	972.5	441.2	416.5	0.0	647.8	0.0	1.7	0.1	3.4	0.0	4826.4	0.00135	4826.45
2000	498.0	1031.9	484.0	1323.0	1077.3	399.0	312.6	0.0	595.2	0.0	0.0	0.2	3.1	0.0	5029.1	0.00136	5029.11

MODELO DINAMICO DE CONTAMINACION ATMOSFERICA POTENCIAL

UNIDAD = TONELADAS

AGO	DLI	OSALEA	CASO A	CASO B	CASO C	PUCCO	RESIDU	CASNAI	ELLECTR	HULLA	ALTRAC	LIGHT	COQUE	ALDRON	TOTAL
1980 SO2	2	1020	3415	698	6713	22530	587	0	0	40	2458	20	45	0	17534
1980 P10	60	530	1423	290	123	1602	680	0	0	56	9216	16	45	0	14456
1980 NH3	360	6676	14354	3956	1116	3604	2055	0	0	5	512	0	13	0	39653
1980 CO	0	249575	4265	872	0	0	0	0	0	0	0	0	0	0	250115
1985 SO2	2	1126	3533	877	8647	17552	370	0	0	0	1476	20	41	0	35774
1985 P10	50	563	1472	336	158	1564	655	0	0	0	5536	16	41	0	10639
1985 NH3	393	9571	20624	4573	1441	3128	1996	0	0	0	307	0	12	0	41445
1985 CO	0	270243	4417	1006	0	0	0	0	0	0	0	0	0	0	270710
1990 SO2	2	1217	3650	899	10246	17294	360	0	0	0	701	21	36	0	34628
1990 P10	105	608	1520	374	187	1383	641	0	0	0	2629	17	36	0	7702
1990 NH3	423	10346	20605	5095	1707	2767	1662	0	0	0	146	0	11	0	43142
1990 CO	0	291123	4564	1123	0	0	0	0	0	0	0	0	0	0	297813
1995 SO2	2	1301	3768	982	11665	15447	355	0	0	0	40	22	35	0	33821
1995 P10	112	650	1570	405	213	1235	632	0	0	0	152	17	35	0	5225
1995 NH3	450	11062	21356	5567	1944	2471	1943	0	0	0	8	0	10	0	44611
1995 CO	0	312361	4710	1228	0	0	0	0	0	0	0	0	0	0	316299
2000 SO2	2	1375	2672	1050	12929	13756	250	0	0	1	0	23	33	0	33656
2000 P10	110	667	1613	440	237	1103	625	0	0	0	0	10	33	0	5074
2000 NH3	474	11694	21942	5585	2154	2207	1425	0	0	0	0	0	5	0	46390
2000 CO	0	330203	4640	1320	0	0	0	0	0	0	0	0	0	0	336363

-----MEDIO ESTADICO PARA LA PROVINCIA-----

CONSUMO FINAL POR FORMAS DE ENERGIA Y SU ESTRUCTURA
UNIDAD: MILES DE TON Y °

CONSUMO PER
CAPITA CONSUMO
DE LA CAPITAL

ANU	ELP	GASNA	GASO A	GASO B	GASO C	FUELOS	RESIPP	GASNAT	ELECTR	HULLA	ANTRAC	LIGHT	COQUE	AGLOME	TOTAL	PER	CAPITAL
1970	91.77	25.11	22.88	39.88	0.00	138.49	150.00	0.00	19.99	5.50	11.77	0.00	1.90	0.20	665.90	0.000078	250.18
1971	63.50	102.40	89.00	82.40	0.00	161.90	180.90	0.00	87.40	5.70	16.50	0.00	1.80	0.10	767.70	0.000069	326.64
1972	71.10	127.00	101.70	86.80	0.00	193.40	217.00	0.00	96.10	2.10	3.90	0.00	1.80	0.10	1070.60	0.001230	460.29
1973	75.00	145.30	131.20	51.90	0.00	209.30	232.70	0.00	105.90	1.10	1.20	0.00	1.60	0.00	953.30	0.001106	414.21
1974	111.00	151.00	150.00	84.30	0.00	230.00	22.00	0.00	121.50	0.00	1.00	0.00	2.10	0.00	967.10	0.000097	378.97
1975	84.10	160.80	120.60	89.50	0.00	260.60	84.80	0.00	130.00	0.60	0.90	0.00	1.90	0.00	893.70	0.000099	396.54
1976	65.50	164.50	182.70	54.00	0.00	231.20	75.00	0.00	147.10	0.00	0.60	0.00	2.20	0.00	855.90	0.000098	400.50
1977	91.90	172.30	117.30	72.10	21.80	215.50	84.60	0.00	138.50	0.50	0.30	0.00	1.30	0.00	919.00	0.000099	415.45
1978	105.70	205.20	138.70	65.70	64.30	231.60	92.50	0.00	161.10	0.30	0.50	0.00	0.90	0.00	1085.60	0.001115	499.59

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1951

MODELO DINAMICO PARA LA CAPITAL

CONSUMO FINAL POR FORMAS DE ENERGIA Y SU ESTRUCTURA
UNIDAD: MILLONES DE KCC T-1

CONSUMO
PER
CAPITA

CONSUMO
DE LA
CAPITAL

ANL	LLP	CASNA	CASO A	CASO B	CASO C	FUELOS	RESIDP	CASNAT	ELECTR	HULLA	ANTRAC	LIGNIT	COQUE	AGLOME	TOTAL	CONSUMO PER CAPITA	CONSUMO DE LA CAPITAL
1980	1.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00110	0.00
1985	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00113	0.00
	11.3	20.0	13.0	7.5	3.4	26.1	3.9	0.0	15.7	0.0	0.0	0.0	0.1	0.0			
1990	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00118	0.00
	10.00	20.00	12.00	7.00	3.00	25.00	1.00	0.00	16.00	0.00	0.00	0.00	0.10	0.00			
1995	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00118	0.00
	11.7	21.1	12.5	7.9	4.1	26.0	0.0	0.0	16.5	0.0	0.0	0.0	0.1	0.0			
2000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00120	0.00
	10.00	21.1	12.00	7.9	4.1	26.00	0.00	0.00	16.50	0.00	0.00	0.00	0.10	0.00			

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MODELO ESTADISTICO PARA LA PROVINCIA

CONSUMO FINAL POR FORMAS DE ENERGIA Y SU ESTRUCTURA
UNIDAD = MILES DE TON Y A

CONSUMO PER
CAPITA

CONSUMO
DE LA
CAPITAL

ANO GLP GASNA GASO A GASO B GASO C FUELOS RESIPP GASNAT ELECTR MULLA ANTRAC LIGNIT COQUE AGLOME TOTAL

1970	54.8	100.9	153.2	82.5	0.0	272.2	7.3	0.0	17.0	2.0	3.1	0.0	12.3	0.0	786.3	0.00083	365.08
1971	61.5	109.9	154.9	83.4	0.0	243.0	7.7	0.0	17.0	2.2	3.4	0.0	12.1	0.0	816.6	0.00098	239.53
1972	64.3	126.8	165.9	91.3	0.0	262.2	8.8	0.0	18.5	4.8	2.8	0.0	13.7	0.0	894.5	0.00105	260.22
1973	71.9	150.0	200.1	106.5	0.0	239.0	9.3	0.0	15.0	3.4	1.7	0.0	14.2	0.0	944.6	0.00111	278.77
1974	81.8	153.0	203.1	108.8	0.0	245.7	9.5	0.0	17.0	5.2	1.6	0.0	15.0	0.0	1264.3	0.00149	380.18
1975	72.2	169.0	206.7	110.4	0.0	259.9	9.9	0.0	17.5	6.7	0.4	0.0	12.2	0.0	1319.9	0.00152	391.91
1976	85.0	203.3	223.7	121.8	0.0	271.8	10.7	0.0	20.2	1.1	0.3	0.0	12.3	0.0	1459.2	0.00164	436.68
1977	94.8	217.9	232.5	131.6	0.0	262.0	1.6	0.0	22.2	0.8	0.0	0.0	15.9	0.0	1666.1	0.00186	507.17

MODELO DINAMICO PARA LA CAPITAL

CONSUMO FISCAL POR FUENTES DE ENERGIA Y SU ESTRUCTURA
UNIDAD: MILLONES DE TCC Y Y

CONSUMO PER
CAPITA
CONSUMO DE LA
CAPITAL

ANO	GLP	GASLNA	GASO A	GASO B	GASO C	FULLOI	RESIPP	GASNAT	ELECTR	HULLA	INTRAC	LIGNIT	COQUE	AGLOME	TOTAL	CONSUMO PER CAPITA	CONSUMO DE LA CAPITAL
1980	20.5	69.8	76.6	81.4	9.9	195.5	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	476.5	0.00173	476.46
1985	23.7	75.2	78.6	80.3	8.4	239.4	1.7	0.0	70.7	0.0	0.0	0.0	4.0	0.0	552.9	0.00169	552.93
1990	30.8	84.9	89.4	90.7	10.6	280.0	1.4	0.0	70.6	0.0	0.0	0.0	3.9	0.0	623.3	0.00201	623.29
1995	36.8	94.1	90.1	94.9	13.1	319.7	1.1	0.0	82.4	0.0	0.0	0.0	3.8	0.0	691.9	0.00210	691.94
2000	41.9	113.5	95.0	99.2	15.8	359.6	0.8	0.0	80.1	0.0	0.0	0.0	3.7	0.0	761.0	0.00218	761.01

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MODELO ESTADISTICO PARA LA PROVINCIA

CONSUMO FINAL POR FORMAS DE ENERGIA Y SU ESTRUCTURA
UNIDAD: MILONES DE TON Y °C

CONSUMO PER
CAPITA
CONSUMO DE LA
CAPITAL

ANO	CLP	USLIA	LASO A	LASO B	GASO C	FUELOS	RESIPP	GASNAT	ELECTR	HULLA	ANTRAC	LIGNIT	COQUE	AGLOME	TOTAL	PER CAPITA	DE LA CAPITAL
1971	1.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.00139	197.51
1972	1.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.00148	217.63
1973	1.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.00165	267.46
1974	1.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.00194	282.27
1975	1.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.00204	327.17
1976	1.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.00216	353.30
1977	1.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.00223	374.68
1978	1.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.00225	381.33
1979	1.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.00224	394.61

MODELO DINAMICO PARA LA CAPITAL

CONSUMO FINAL POR COMBUSTIBLES DE ENERGIA Y SU ESTRUCTURA
 UNIDAD = MILES DE TON Y A

CONSUMO PER
 CAPITA
 CONSUMO DE LA
 CAPITAL

ANO	COQUE	AGLOME	LIGNIT	ANTRAC	HULLA	ELECTR	GAS NAT	RESIDUO	FUELOS	C	GASO	B	GASO	A	COQUE	AGLOME	LIGNIT	ANTRAC	HULLA	ELECTR	GAS NAT	RESIDUO	FUELOS	C	GASO	B	GASO	A	TOTAL	CONSUMO PER CAPITA	CONSUMO DE LA CAPITAL	
1981	27.9	43.0	48.2	29.2	28.7	122.2	1.2	0.0	1.0	0.1	0.1	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	0.00230	412.36
1982	38.0	53.2	56.1	36.7	42.4	147.3	0.9	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	0.00246	495.60
1983	45.1	63.2	64.3	53.9	56.6	133.7	0.6	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	0.00258	583.59
1984	48.3	74.0	73.2	52.7	71.8	242.5	0.3	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	0.00267	679.16
2000	56.5	86.1	83.1	62.0	88.7	379.3	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	0.00278	784.83

1971

MODELO ESTADISTICO PARA LA PROVINCIA

CONSUMO FINAL POR FORMAS DE ENERGIA Y SU ESTRUCTURA

UNIDAD - TILES DE TON Y T

CONSUMO PER
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CONSUMO DE LA
CAPITAL

AÑO	L.P. GASNA	GASO A	LASO B	GASO C	FUELOS	RESIPP	CASNAT	ELECTR	HULLA	ANTHAC	LIGNIT	COQUE	AGLOME	TOTAL	PER CAPITA	DE LA CAPITAL	
1970	10.45	25.7	15.7	0.7	0.0	17.0	0.0	0.0	18.7	1.3	19.0	0.0	0.1	0.1	151.1	0.00032	23.17
1971	9.1	13.1	28.5	3.3	0.0	12.8	0.0	0.0	16.2	0.3	13.1	0.0	0.1	0.1	157.7	0.00036	26.43
1972	11.1	13.5	35.1	1.9	0.0	23.7	0.0	0.0	11.1	1.3	21.1	0.0	0.1	0.1	177.5	0.00041	30.73
1973	20.2	40.8	54.3	9.6	0.0	10.8	0.0	0.0	32.7	1.3	26.4	0.0	0.1	0.1	217.1	0.00050	37.90
1974	21.7	48.0	62.8	10.5	0.0	18.7	0.0	0.0	15.0	0.8	11.6	0.0	0.0	0.0	249.2	0.00058	46.63
1975	21.7	48.0	62.8	10.5	0.0	18.7	0.0	0.0	15.0	0.8	11.6	0.0	0.0	0.0	249.2	0.00058	46.63
1976	21.7	48.0	62.8	10.5	0.0	18.7	0.0	0.0	15.0	0.8	11.6	0.0	0.0	0.0	249.2	0.00058	46.63
1977	21.7	48.0	62.8	10.5	0.0	18.7	0.0	0.0	15.0	0.8	11.6	0.0	0.0	0.0	249.2	0.00058	46.63
1978	21.7	48.0	62.8	10.5	0.0	18.7	0.0	0.0	15.0	0.8	11.6	0.0	0.0	0.0	249.2	0.00058	46.63
1979	21.7	48.0	62.8	10.5	0.0	18.7	0.0	0.0	15.0	0.8	11.6	0.0	0.0	0.0	249.2	0.00058	46.63
1980	21.7	48.0	62.8	10.5	0.0	18.7	0.0	0.0	15.0	0.8	11.6	0.0	0.0	0.0	249.2	0.00058	46.63
1981	21.7	48.0	62.8	10.5	0.0	18.7	0.0	0.0	15.0	0.8	11.6	0.0	0.0	0.0	249.2	0.00058	46.63
1982	21.7	48.0	62.8	10.5	0.0	18.7	0.0	0.0	15.0	0.8	11.6	0.0	0.0	0.0	249.2	0.00058	46.63
1983	21.7	48.0	62.8	10.5	0.0	18.7	0.0	0.0	15.0	0.8	11.6	0.0	0.0	0.0	249.2	0.00058	46.63
1984	21.7	48.0	62.8	10.5	0.0	18.7	0.0	0.0	15.0	0.8	11.6	0.0	0.0	0.0	249.2	0.00058	46.63
1985	21.7	48.0	62.8	10.5	0.0	18.7	0.0	0.0	15.0	0.8	11.6	0.0	0.0	0.0	249.2	0.00058	46.63
1986	21.7	48.0	62.8	10.5	0.0	18.7	0.0	0.0	15.0	0.8	11.6	0.0	0.0	0.0	249.2	0.00058	46.63
1987	21.7	48.0	62.8	10.5	0.0	18.7	0.0	0.0	15.0	0.8	11.6	0.0	0.0	0.0	249.2	0.00058	46.63
1988	21.7	48.0	62.8	10.5	0.0	18.7	0.0	0.0	15.0	0.8	11.6	0.0	0.0	0.0	249.2	0.00058	46.63
1989	21.7	48.0	62.8	10.5	0.0	18.7	0.0	0.0	15.0	0.8	11.6	0.0	0.0	0.0	249.2	0.00058	46.63
1990	21.7	48.0	62.8	10.5	0.0	18.7	0.0	0.0	15.0	0.8	11.6	0.0	0.0	0.0	249.2	0.00058	46.63
1991	21.7	48.0	62.8	10.5	0.0	18.7	0.0	0.0	15.0	0.8	11.6	0.0	0.0	0.0	249.2	0.00058	46.63
1992	21.7	48.0	62.8	10.5	0.0	18.7	0.0	0.0	15.0	0.8	11.6	0.0	0.0	0.0	249.2	0.00058	46.63
1993	21.7	48.0	62.8	10.5	0.0	18.7	0.0	0.0	15.0	0.8	11.6	0.0	0.0	0.0	249.2	0.00058	46.63
1994	21.7	48.0	62.8	10.5	0.0	18.7	0.0	0.0	15.0	0.8	11.6	0.0	0.0	0.0	249.2	0.00058	46.63
1995	21.7	48.0	62.8	10.5	0.0	18.7	0.0	0.0	15.0	0.8	11.6	0.0	0.0	0.0	249.2	0.00058	46.63
1996	21.7	48.0	62.8	10.5	0.0	18.7	0.0	0.0	15.0	0.8	11.6	0.0	0.0	0.0	249.2	0.00058	46.63
1997	21.7	48.0	62.8	10.5	0.0	18.7	0.0	0.0	15.0	0.8	11.6	0.0	0.0	0.0	249.2	0.00058	46.63
1998	21.7	48.0	62.8	10.5	0.0	18.7	0.0	0.0	15.0	0.8	11.6	0.0	0.0	0.0	249.2	0.00058	46.63
1999	21.7	48.0	62.8	10.5	0.0	18.7	0.0	0.0	15.0	0.8	11.6	0.0	0.0	0.0	249.2	0.00058	46.63
2000	21.7	48.0	62.8	10.5	0.0	18.7	0.0	0.0	15.0	0.8	11.6	0.0	0.0	0.0	249.2	0.00058	46.63

PROVINCIA DE BUENOS AIRES

MODELO DINAMICO PARA LA CAPITAL

CONSUMO FINAL POR EDIFICIOS DE ENERGIA Y SU ESTRUCTURA
 UNIDAD: MILLES DE TONELADAS

CONSUMO PER
CAPITA

CONSUMO DE LA
CAPITAL

ANO	GLP	GASUNA	GASO A	GASO B	GASO C	FULLOI	RESIPP	GASNAT	FLECTR	HULLA	ANTRAC	LIGNIT	COQUE	AGLONE	TOTAL	CONSUMO PER CAPITA	CONSUMO DE LA CAPITAL
1980	5.5	12.4	11.1	9.0	6.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	59.5	0.00059	59.59
1985	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.5	0.9	5.9	0.0	0.0	0.0	0.00076	0.0
1991	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	0.00061	0.0
1995	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.3	0.9	4.2	0.0	0.0	0.0	0.00065	0.0
2000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.2	0.9	3.6	0.0	0.0	0.0	0.00064	0.0

MODELO DINAMICO DE CONTAMINACION ATMOSFERICA POTENCIAL

UNIDAD = TONELADAS

ANO	ELP	BASEL	BASE A	GASO	GASO C	FUELOS	PLSTIC	CASNAI	ELECTR	HULLA	ANTHAC	LIGNIT	COQUE	AGLONC	TOTAL
1980 S12	0	17	113	31	29	237	0	0	0	13	102	0	0	0	502
1980 P30	1	0	47	13	0	19	0	0	0	16	384	0	0	0	486
1980 NCA	5	146	640	180	4	38	0	0	0	1	21	0	0	0	1035
1980 LO	0	1129	181	19	0	0	0	0	0	0	0	0	0	0	1309
1985 S12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1985 P30	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1985 NCA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1985 LO	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1990 S12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1990 P30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1990 NCA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1990 LO	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1995 S12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1995 P30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1995 NCA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1995 LO	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2000 S12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2000 P30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2000 NCA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2000 LO	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

MODELO ESTADICO PARA LA PROVINCIA

CONSUMO FINAL POR FORMAS DE ENERGIA Y SU ESTRUCTURA
UNIDAD: MILES DE TONELADAS

CONSUMO PER CAPITA
CONSUMO DE LA CAPITAL

AÑO	CLP	LASNA	CASO A	CASO B	CASO C	FUELOS	RESIPP	GASNAT	ELECTR	NULLA	ANTRAC	LIGNIT	COQUE	AGLOME	TOTAL	CONSUMO PER CAPITA	CONSUMO DE LA CAPITAL	
1970	97.5	100.9	145.6	58.0	0.0	433.9	9.9	0.0	396.3	3577.9	12.8	0.0	1887.6	0.1	6750.8	0.00643	970.66	
1971	59.5	115.3	150.8	64.7	0.0	726.7	5.4	0.0	449.3	3582.6	0.9	0.0	2105.5	0.3	7266.9	0.00668	1053.22	
1972	5.0	130.0	167.3	71.3	0.0	978.0	7.3	0.0	521.7	4019.9	9.2	0.0	2827.9	0.3	8411.5	0.00718	1230.22	
1973	78.3	151.3	183.8	78.8	0.0	1356.5	9.4	0.0	603.3	4070.5	22.9	0.0	3031.3	0.3	9578.3	0.00894	1387.51	
1974	50.2	157.3	191.8	82.2	0.0	1822.0	10.2	0.0	685.3	4083.4	103.7	0.0	2988.0	1.1	1103.2	0.00908	1419.92	
1975	65.8	172.2	193.2	61.2	0.0	1505.7	11.1	0.0	627.7	4618.1	116.8	0.0	2673.8	0.4	10088.0	0.00926	1459.04	
1976	53.7	189.3	193.5	69.1	0.0	1416.1	10.3	0.0	659.3	4581.6	10.7	0.0	2429.7	0.1	9818.4	0.00904	1438.92	
1977	98.8	197.7	174.5	115.0	0.0	1330.8	10.0	0.0	657.2	4384.4	74.4	0.0	2616.9	1.9	9720.3	0.00876	1408.36	
1978	10.5	219.7	161.1	124.3	0.0	65.3	1211.9	7.3	0.0	690.2	4397.2	153.7	0.0	2317.8	0.1	9869.3	0.00869	1392.69
1979	115.2	225.9	159.5	139.5	0.0	72.4	1293.3	9.3	0.0	715.4	3931.0	85.8	0.0	2542.6	0.0	9291.2	0.00825	1346.98

-----MODELO DINAMICO PARA LA CAPITAL-----

CONSUMO FINAL POR FORMAS DE ENERGIA Y SU ESTRUCTURA
UNIDAD: MILES DE TCC Y \$

CONSUMO PER
CAPITA

CONSUMO DE LA
CAPITAL

ANO	GLP	CASNA	GASO A	GASO B	GASO C	FUELOS	RESTPR	GASNAT	ELECTR	HULLA	ANTRAC	LIGNIT	COQUE	AGLOME	TOTAL	CONSUMO PER CAPITA	CONSUMO DE LA CAPITAL	
13	1.98	16.5	32.3	23.0	17.8	7.8	229.3	1.7	0.0	10.15	645.9	11.7	0.0	618.6	0.1	1517.0	0.00826	1517.05
14	1.91	7.1	1.5	1.2	0.9	15.1	0.1	0.0	7.1	97.3	1.2	0.0	27.3	0.0				
15	1.85	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	0.00966	0.0
16	1.2	2.3	1.7	1.2	0.6	16.1	0.1	0.0	7.4	41.1	1.4	0.0	26.9	0.0				
17	1.91	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	0.00995	0.0
18	1.2	2.4	1.7	1.2	0.7	16.8	0.1	0.0	7.5	40.1	1.3	0.0	26.6	0.0				
19	1.93	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	0.01018	0.0
20	1.2	2.4	1.7	1.2	0.8	17.4	0.1	0.0	7.7	39.4	1.6	0.0	26.4	0.0				
21	2.00	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	0.01036	0.0
22	1.3	2.5	1.6	1.4	0.8	17.8	0.1	0.0	7.8	38.7	1.7	0.0	26.2	0.0				

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MODELO DINAMICO DE CONTAMINACION ATMOSFERICA POTENCIAL

UNIDAD = TONELADAS

ANO	GLF	CASICA	BASO A	BASO B	BASO C	FUELOI	RESIPP	BASNAI	ELECTR	HULLA	ANTRAC	LIGNIT	COQUE	AGLOME	TOTAL
1980 SC2	0	43	216	142	93	8028	2	0	0	15501	425	0	4364	2	28816
1980 PSH	3	21	50	59	1	642	3	0	0	19376	1594	0	4364	1	26154
1980 NXX	10	368	1224	607	15	1284	7	0	0	1937	88	0	1309	0	7651
1980 LL	1	10320	270	176	0	0	0	0	0	0	0	0	0	0	10776
1985 SC2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1985 PSH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1985 NXX	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1985 LL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1990 SC2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1990 PSH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1990 NXX	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1990 LL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1995 SC2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1995 PSH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1995 NXX	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1995 LL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2000 SC2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2000 PSH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2000 NXX	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2000 LL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

INC. PAL.

MODULO ESTADICO PARA LA PROVINCIA

CONDICION FINAL POR FUENTES DE ENERGIA Y SU ESTRUCTURA
UNIDAD: CUATROS DE TON. T.Y.

CONSUMO PER
CAPITA CONSUMO
DE LA
CAPITAL

AÑO	GLP	GASNA	GASO A	GASO B	GASO C	FUELOS	RESIPP	GASNAI	ELECTR	HULLA	ANTRAC	LIGNIT	COQUE	AGLOME	TOTAL	CONSUMO PER CAPITA	CONSUMO DE LA CAPITAL	
1970	10.1	20.3	26.7	35.4	0.0	60.0	0.0	0.0	0.0	30.1	47.7	98.7	0.0	19.2	0.1	367.2	0.00183	101.77
1971	11.6	22.3	30.9	37.7	0.0	96.6	1.0	0.0	0.0	51.6	40.6	80.8	0.0	13.9	0.0	386.9	0.00194	116.91
1972	16.9	25.6	33.6	41.1	0.0	127.1	1.7	0.0	0.0	36.9	33.0	61.1	0.0	11.6	0.0	404.3	0.00208	119.79
1973	13.6	29.7	39.1	47.3	0.0	169.6	3.0	0.0	0.0	57.3	22.2	50.2	0.0	6.3	0.0	469.0	0.00236	146.01
1974	17.0	24.7	30.5	40.5	0.0	208.0	2.7	0.0	0.0	80.1	25.2	52.0	0.0	12.2	0.0	479.5	0.00253	151.88
1975	15.1	32.7	36.3	43.0	0.0	198.2	2.1	0.0	0.0	56.4	20.1	60.9	0.0	12.0	0.1	476.6	0.00264	156.54
1976	16.0	35.3	40.2	48.5	0.0	190.6	0.8	0.0	0.0	58.0	19.7	52.0	0.0	11.0	0.0	483.6	0.00263	163.52
1977	16.3	37.7	46.2	50.7	12.3	198.3	0.0	0.0	0.0	50.0	23.0	55.0	0.0	11.7	0.0	512.1	0.00283	176.62
1978	17.5	41.7	40.8	52.9	20.1	191.0	0.0	0.0	0.0	57.1	12.6	51.2	0.0	5.0	0.0	506.1	0.00281	182.13
1979	18.1	44.8	50.5	60.2	23.8	136.8	0.0	0.0	0.0	65.1	23.5	49.5	0.0	4.5	0.0	460.4	0.00274	176.25

MODELO DINAMICO PARA LA CAPITAL

CONSILIO FINAL POR FORMAS DE ENERGIA Y SU ESTRUCTURA

UNIDAD = MILES DE TON Y A

CONSUMO PER CAPITA CONSUMO DE LA CAPITAL

AN	UE	GASNA	GASO A	GASO B	GASO C	FUELOS	RESTPP	GASNAT	ELECTR	HULLA	ANTRAC	LIGNIT	COQUE	AGLOME	TOTAL	CONSUMO PER CAPITA	CONSUMO DE LA CAPITAL
1980	1.5	15.4	11.9	19.8	5.2	78.8	0.3	0.0	22.8	5.0	11.6	0.0	3.8	0.0	188.5	0.00247	188.53
1985	7.7	14.7	21.1	33.2	7.4	47.4	0.2	0.0	25.1	2.7	11.1	0.0	2.1	0.0	216.8	0.00305	216.81
1990	1.9	1.5	25.5	20.5	3.5	115.4	0.2	0.0	11.1	5.5	1.8	0.0	1.5	0.0	284.5	0.00118	284.52
1992	11.1	25.1	27.9	29.7	11.8	132.8	0.1	0.0	30.3	0.0	4.6	0.0	0.9	0.0	272.9	0.00329	272.90
2000	11.3	25.4	21.2	31.0	13.5	150.6	0.1	0.0	32.3	0.0	1.3	0.0	0.3	0.0	302.6	0.00338	302.59

MODELO ESTADISTICO PARA LA PROVINCIA

CONSUMO FINAL POR FORMAS DE ENERGIA Y SU ESTRUCTURA
UNIDAD: MILONES DE TON Y °C

CONSUMO PER
CAPITA

CONSUMO DE LA
CAPITAL

AÑO	GLP	CASERA	CASO A	LAS B	GASO C	FUELOS	RESIPP	GASNAI	ELECTR	HULLA	ANTRAC	LIGNIT	COQUE	AGLOME	TOTAL	PER	CAPITAL
1970	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30.7	0.0	0.0	0.0	0.0	0.0	30.7	*****	C.C
1971	0.0	450.0	0.0	0.0	0.0	0.0	0.0	0.0	9.2	0.0	0.0	0.0	0.0	0.0	495.4	*****	U.0
1972	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	52.1	0.1	0.1	0.1	0.1	0.1	52.8	*****	U.0
1973	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	58.5	0.9	0.1	0.0	6.4	0.0	65.9	*****	U.0
1974	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	52.1	0.0	0.0	0.0	0.0	0.0	52.1	*****	C.C
1975	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	50.9	0.0	0.0	0.0	0.0	0.0	50.9	*****	U.0
1976	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	50.2	0.0	0.0	0.0	0.0	0.0	50.2	*****	C.C
1977	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	64.6	0.0	0.0	0.0	0.0	0.0	64.6	*****	U.0
1978	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	70.6	0.0	0.0	0.0	0.0	0.0	70.6	*****	C.C
1979	54.1	179.3	0.0	0.0	524.6	2011.2	218.4	0.0	78.6	0.1	0.0	0.0	0.0	0.0	1326.3	*****	U.0
	9.1	11.5	0.0	0.0	44.8	15.2	10.5	0.0	5.9	0.0	0.0	0.0	0.0	0.0			

MODELO ESTADISTICO DE CONTAMINACION ATMOSFERICA POTENCIAL

UNIDAD = TONELADAS

AÑO	GLP	GASOLNA	GASO A	GASO B	GASO C	FUELOS	PISTON	GASOLN	ELECTR	HULLA	INTRAC	LIGNIT	COQUE	AGLONE	TOTAL
1970	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1970	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1970	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1970	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1971	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1971	0	300	0	0	0	0	0	0	0	0	0	0	0	0	300
1971	0	5100	0	0	0	0	0	0	0	0	0	0	0	0	5100
1971	0	14400	0	0	0	0	0	0	0	0	0	0	0	0	14400
1972	0	0	0	0	0	0	0	0	0	4	12	0	0	0	16
1972	0	0	0	0	0	0	0	0	0	5	45	0	0	0	50
1972	0	0	0	0	0	0	0	0	0	0	2	0	0	0	2
1972	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1973	0	0	0	0	0	0	0	0	0	21	2	0	0	0	23
1973	0	0	0	0	0	0	0	0	0	26	8	0	0	0	34
1973	0	0	0	0	0	0	0	0	0	2	0	0	0	0	2
1973	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1974	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1974	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1974	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1974	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1975	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1975	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1975	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1975	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1976	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1976	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1976	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1976	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1977	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1977	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1977	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1977	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1978	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1978	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1978	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1978	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1979	0	284	0	0	713	7044	291	0	0	2	0	0	0	0	14711
1979	12	115	0	0	130	563	430	0	0	3	0	0	0	0	1241
1979	51	2031	0	0	118	1127	1019	0	0	0	0	0	0	0	5417
1979	0	5730	0	0	0	0	0	0	0	0	0	0	0	0	5730

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MODELO DINAMICO PARA LA CAPITAL

CONSUMO FINAL POR FORMAS DE ENERGIA Y SU ESTRUCTURA
CIUDAD - MILES DE TONELADAS

CONSUMO PER
CAPITA
CONSUMO DE LA
CAPITAL

ANO	ELP	GASLN	CASU	CASO	D	GASO	C	FUELOS	RESIPP	CASNAT	ELECTR	HULLA	ANTRAC	LIGNIT	COQUE	AGLONE	TOTAL	CONSUMO PER CAPITA	CONSUMO DE LA CAPITAL
1971	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
1972	0.0	0.0	0.0	0.0	11.0	3.7	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	*****	0.0
1973	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
1974	0.0	0.0	0.0	0.0	13.1	4.4	4.8	0.0	0.0	0.0	0.0	76.9	0.1	0.0	0.0	0.0	0.0	*****	0.0
1975	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
1976	0.0	0.0	0.0	0.0	14.5	4.9	5.3	0.0	0.0	0.0	0.0	74.6	0.1	0.0	0.0	0.0	0.0	*****	0.0
1977	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
1978	0.0	0.0	0.0	0.0	15.6	5.3	5.7	0.0	0.0	0.0	0.0	72.9	0.1	0.0	0.0	0.0	0.0	*****	0.0
1979	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
1980	0.0	0.0	0.0	0.0	16.4	5.6	6.0	0.0	0.0	0.0	0.0	71.5	0.1	0.0	0.0	0.0	0.0	*****	0.0

MODELO DINAMICO DE CONTAMINACION ATMOSFERICA POTENCIAL

UNIDAD = TONELADAS

ANO	OLI	PASAJA	GASO A	GASO B	GASO C	FUELOS	RESIDU	GASDET	ELECTR	MULLA	INTRAC	LIGNIT	COQUE	AGLOPE	TOTAL
1980 S02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1980 P20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1980 NCA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1980 CO	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1985 S12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1985 P20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1985 NCA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1985 CO	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1990 S12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1990 P20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1990 NCA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1990 CO	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1995 S02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1995 P20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1995 NCA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1995 CO	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2000 S12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2000 P20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2000 NCA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2000 CO	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

ANEXO C
MODELO ESTADISTICO PARA LA PROVINCIA

CONSUMO FINAL POR FORMAS DE ENERGIA Y SU ESTRUCTURA
UNIDAD: MILES DE TON Y A

CONSUMO PER
CAPITA
CONSUMO
DE LA
CAPITAL

AN.	CCP	GASOLNA	GASO A	GASO B	GASO C	FUELOS	RESIDU	GASINAT	ELECTR	HULLA	ANTRAC	LIGNIT	COQUE	AGLOME	TOTAL	CONSUMO PER CAPITA	CONSUMO DE LA CAPITAL
1970	81.0	61.45	15.5	11.1	0.0	202.8	2.5	0.0	1.7	10.7	6.3	0.0	1.4	0.8	399.7	0.00077	90.42
1971	84.2	70.3	11.8	12.7	0.0	230.6	2.3	0.0	76.8	6.9	0.8	0.0	0.8	0.4	646.5	0.00081	43.34
1972	51.0	50.8	46.4	12.8	0.0	236.1	2.1	0.0	82.6	7.8	2.2	0.0	0.4	0.6	483.0	0.00086	46.77
1973	51.8	78.5	103.2	155.7	0.0	247.6	2.4	0.0	96.7	7.3	1.8	0.0	0.7	0.8	767.2	0.00095	53.16
1974	84.0	103.2	106.3	159.4	0.0	253.7	2.4	0.0	98.7	7.0	1.8	0.0	0.7	0.2	797.7	0.00097	55.93
1975	65.2	118.7	116.4	162.9	0.0	205.1	2.5	0.0	96.4	7.5	1.2	0.0	0.6	0.2	776.6	0.00093	56.10
1976	151.1	139.7	119.8	159.7	0.3	198.6	2.1	0.0	110.5	8.0	0.1	0.0	0.4	0.2	848.5	0.00100	60.90
1977	92.5	143.3	120.2	222.2	24.6	198.3	1.7	0.0	116.6	3.6	0.2	0.0	0.4	0.2	919.6	0.00107	66.75
1978	94.9	156.3	122.4	239.1	29.9	187.5	2.1	0.0	121.2	3.9	0.2	0.0	0.4	0.2	951.1	0.00109	67.61
1979	95.1	164.5	125.7	278.1	33.4	188.4	1.7	0.0	126.9	3.3	0.2	0.0	0.3	0.1	1017.8	0.00115	75.55

MODELO DINAMICO PARA LA CAPITAL

CONSUMO FINAL POR FORMAS DE ENERGIA Y SU ESTRUCTURA
 UNIDAD: MILES DE TON Y Y

CONSUMO PER
 CAPITA

CONSUMO DE LA
 CAPITAL

ANO	OLP	GASOLNA	CASO A	CASO B	CASO C	FUELOS	RESIDR	CASHAT	ELECTR	HULLA	ANTRAC	LIGNIT	COQUE	AGLOME	TOTAL	PER CAPITA	DE LA CAPITAL
1980	1.2	15.2	0.0	13.2	1.0	15.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.0	0.00110	13.99
1981	1.3	16.5	0.0	14.7	1.0	16.5	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16.0	0.00116	0.0
1982	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	0.00120	0.0
1983	1.0	15.2	0.0	13.2	1.0	15.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.0	0.00124	0.0
1984	1.0	15.9	0.0	13.2	1.0	15.9	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.0	0.00127	0.0

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MODELO DINAMICO DE CONTAMINACION ATMOSFERICA POTENCIAL

UNIDAD: TONELADAS

AÑO	DEF	GASOLINA	CASO A	CASO B	CASO C	POELUJ	RESIDU	GRSNAI	ELLECTR	HULLA	ENTRAC	LIGNIT	COQUE	AGLOME	TOTAL
1980	502	10	78	145	19	541	0	0	0	5	0	0	0	0	804
1980	P2H	1	8	32	66	6	43	0	0	6	0	0	0	0	156
1980	NLY	0	134	444	327	3	86	0	0	0	0	0	0	0	1504
1980	LU	0	3694	97	182	0	0	0	0	0	0	0	0	0	4177
1985	502	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1985	P2H	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1985	NLY	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1985	LU	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1990	502	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1990	P2H	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1990	NLY	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1990	LU	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1995	502	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1995	P2H	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1995	NLY	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1995	LU	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	502	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	P2H	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	NLY	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	LU	0	0	0	0	0	0	0	0	0	0	0	0	0	0

COLOMBIA - CALAHANHA

MODELO ESTADISTICO PARA LA PROVINCIA

CONSUMO FINAL POR FORMAS DE ENERGIA Y SU ESTRUCTURA
UNIDAD: MILES DE TONELADAS

CONSUMO PER
CAPITA CONSUMO
DE LA
CAPITAL

ANU	L.P. GASOLIA	CASO A	CASO B	CASO C	FUELOS	RESIPP	GASNAT	ELECTR	NULLA	ANTRAC	LIGNIT	COQUE	AGLOME	TOTAL	PER CAPITA	CAPITAL	
1971	25.2	31.8	15.4	26.4	0.0	30.1	3.3	0.0	20.2	3.0	9.6	0.0	0.1	0.9	190.8	0.00050	59.87
1972	19.6	19.6	17.1	13.7	0.0	14.8	1.7	0.0	10.7	1.7	2.0	0.0	0.0	0.5			
1973	20.2	40.5	34.0	7.9	0.0	43.8	6.1	0.0	22.2	6.3	7.6	0.0	0.1	0.7	215.5	0.00057	70.23
1974	16.3	19.8	15.1	12.9	0.0	20.3	3.8	0.0	10.3	3.9	3.5	0.0	0.0	0.3			
1975	25.5	45.7	38.4	23.4	0.0	61.1	7.2	0.0	28.8	6.8	8.7	0.0	0.2	0.6	210.1	0.00062	77.87
1976	16.2	19.6	15.3	12.6	0.0	21.9	3.1	0.0	10.8	3.0	3.8	0.0	0.1	0.3			
1977	24.2	51.9	40.7	33.2	0.0	61.1	6.9	0.0	26.9	6.1	8.0	0.0	0.3	0.6	256.6	0.00071	84.10
1978	9.1	20.1	15.7	12.5	0.0	23.6	2.7	0.0	10.4	2.0	3.1	0.0	0.1	0.2			
1979	24.9	50.8	40.7	33.2	0.0	64.0	9.1	0.0	33.1	11.8	7.5	0.0	0.2	0.5	259.7	0.00072	91.87
1980	7.4	19.6	14.7	12.8	0.0	24.6	2.0	0.0	11.3	1.7	1.8	0.0	0.1	0.2			
1981	20.1	55.8	40.7	38.5	0.0	59.4	4.3	0.0	30.7	4.1	6.9	0.0	0.2	0.2	266.9	0.00075	96.63
1982	9.8	21.0	15.3	14.5	0.0	22.3	1.6	0.0	11.5	1.5	2.6	0.0	0.1	0.1			
1983	10.7	62.6	49.0	39.3	0.0	65.1	4.5	0.0	40.8	2.7	6.5	0.0	0.2	0.1	300.0	0.00085	112.42
1984	0.0	20.7	16.2	13.1	0.0	21.7	1.8	0.0	10.5	0.9	2.2	0.0	0.1	0.0			
1985	20.1	66.4	51.6	50.1	22.9	66.3	4.7	0.0	36.1	2.7	7.4	0.0	0.1	0.1	338.6	0.00098	129.77
1986	0.1	19.6	15.2	14.8	0.8	19.6	1.4	0.0	11.3	0.8	2.2	0.0	0.0	0.0			
1987	11.1	71.7	51.5	58.4	30.7	63.0	3.7	0.0	40.2	2.4	7.8	0.0	0.3	0.1	358.8	0.00104	140.98
1988	0.4	20.1	14.7	15.0	1.5	17.6	0.7	0.0	11.3	0.7	2.2	0.0	0.1	0.0			
1989	1.6	75.0	54.5	57.8	37.9	62.1	3.8	0.0	43.4	3.2	7.2	0.0	0.3	0.2	376.3	0.00112	152.11
1990	0.1	19.9	14.6	15.3	10.1	16.5	1.0	0.0	11.5	0.9	1.9	0.0	0.1	0.1			

MODELO ESTADISTICO DE CONTAMINACION ATMOSFERICA POTENCIAL

UNIDAD = TONELADAS

ANO	GEI	CASERA	CASO A	CASO B	CASO C	FUELOS	RESTO	CASNAI	ELECTR	NULLA	EXTRAC	LIGNIT	COQUE	ALCOH	TOTAL
1970 SC2	0	16	259	211	0	1055	9	0	0	110	230	0	0	21	1945
1970 P26	4	25	104	68	6	84	14	0	0	130	664	0	0	17	1342
1970 NEX	15	424	1464	1194	0	168	34	0	0	13	98	0	0	2	3376
1971 LC	1	12055	524	404	0	0	0	0	0	0	0	0	0	0	12683
1971 SC2	1	44	272	223	0	1534	10	0	0	199	152	0	0	16	2460
1971 P26	5	27	113	93	0	122	16	0	0	249	684	0	0	13	1322
1971 NEX	21	459	1543	1264	0	245	37	0	0	24	38	0	0	2	3633
1971 LC	1	12960	380	275	0	0	0	0	0	0	0	0	0	0	13575
1972 SC2	0	10	283	231	0	1119	9	0	0	163	208	0	1	14	2688
1972 P26	5	30	114	96	0	137	14	0	0	204	782	0	1	12	1399
1972 NEX	22	511	1634	1332	0	275	33	0	0	20	43	0	1	1	3621
1972 LC	1	14443	354	289	0	0	0	0	0	0	0	0	0	0	15091
1973 SC2	0	69	325	265	0	1140	9	0	0	122	192	0	2	14	3138
1973 P26	6	34	135	110	0	171	13	0	0	153	720	0	2	12	1355
1973 NEX	23	566	1842	1502	0	342	32	0	0	15	40	0	0	1	4385
1973 LC	1	14663	406	331	0	0	0	0	0	0	0	0	0	0	15245
1974 SC2	0	67	325	265	0	2239	8	0	0	105	172	0	1	12	3192
1974 P26	5	33	116	110	0	179	10	0	0	131	647	0	1	10	1261
1974 NEX	23	576	1842	1502	0	356	23	0	0	13	35	0	0	1	4373
1974 LC	1	14771	406	331	0	0	0	0	0	0	0	0	0	0	17006
1975 SC2	0	74	325	308	0	2879	9	0	0	48	165	0	1	4	3659
1975 P26	5	37	135	128	0	166	6	0	0	123	620	0	1	3	1226
1975 NEX	23	632	1842	1747	0	332	20	0	0	12	34	0	0	0	4682
1975 LC	1	17155	406	325	0	0	0	0	0	0	0	0	0	0	18048
1976 SC2	1	43	392	314	113	2240	8	0	0	64	158	0	1	2	3411
1976 P26	6	41	163	130	2	162	9	0	0	80	595	0	1	2	1201
1976 NEX	24	716	2273	1761	16	364	21	0	0	8	32	0	0	0	5183
1976 LC	1	14111	451	392	0	0	0	0	0	0	0	0	0	0	20393
1977 SC2	1	42	412	400	275	2319	6	0	0	64	177	0	0	2	3743
1977 P26	6	44	171	166	5	185	9	0	0	60	665	0	0	2	1333
1977 NEX	24	753	2339	2271	46	371	21	0	0	8	36	0	0	0	5670
1977 LC	1	14263	519	560	0	0	0	0	0	0	0	0	0	0	22276
1978 SC2	1	45	419	451	363	2204	4	0	0	57	167	0	0	2	3774
1978 P26	7	47	177	166	6	176	6	0	0	71	742	0	2	2	1377
1978 NEX	25	616	2516	2566	61	352	15	0	0	7	39	0	0	0	5187
1978 LC	1	14343	511	569	1	0	0	0	0	0	0	0	0	0	24018
1979 SC2	1	100	439	465	455	2174	5	0	0	76	172	0	0	4	3889
1979 P26	7	50	183	142	7	175	7	0	0	65	647	0	2	3	1367
1979 NEX	25	650	2490	2618	75	347	17	0	0	9	35	0	0	0	4448
1979 LC	1	14410	549	577	1	0	0	0	0	0	0	0	0	0	25126

MODELO DINAMICO PARA LA CAPITAL

CONSUMO TOTAL POR FUENTES DE ENERGIA Y SU ESTRUCTURA
 UNIDAD: MILES DE TONELADAS

CONSUMO PER
 CAPITA
 CONSUMO DE LA
 CAPITAL

ANO	ULP	GASNA	GASO A	GASO B	GASO C	FUELOS	RESIPP	GASNAT	ELECTR	HULLA	ANTRAC	LIGNIT	COQUE	AGLOME	TOTAL	PER	DE LA
1950	11.5	22.4	20.8	20.9	1.8	28.8	1.7	0.0	15.5	1.0	2.5	0.0	0.1	0.0	159.7	0.00101	115.23
1955	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	0.00111	0.0
1960	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	0.00118	0.0
1965	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	0.00124	0.0
1970	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	0.00128	0.0

MODELO DINAMICO DE CONTAMINACION ATMOSFERICA POTENCIAL

UNIDAD TONELADAS

ANO	UT	BASEL	BASE A	BASE B	BASE C	PELLOI	RESIPP	CASHAT	ELECTR	HULLA	ANTRAC	LIGNIT	COQUE	ASFOHE	TOTAL	
1980	STC	0	37	165	162	100	1112	1	0	0	24	59	0	1	0	1567
1980	PSU	2	16	64	67	1	50	2	0	0	30	223	0	1	0	492
1980	NCA	10	320	936	922	17	141	5	0	0	3	12	0	0	0	2346
1980	LU	1	8136	206	203	0	0	0	0	0	0	0	0	0	0	7945
1985	STC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1985	PSU	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1985	NCA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1985	LU	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1990	STC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1990	PSU	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1990	NCA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1990	LU	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1995	STC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1995	PSU	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1995	NCA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1995	LU	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	STC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	PSU	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	NCA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	LU	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

INC 5.1 TEL F

MODELO ESTADISTICO PARA LA PROVINCIA

CONSUMO FINAL POR FORMAS DE ENERGIA Y SU ESTRUCTURA
 UNIDAD: MILES DE TEG Y

CONSUMO PER
 CAPITA
 CONSUMO DE LA
 CAPITAL

ANL	LEE	CASNA	CASO	Z	LAS	B	CASO	C	FUELOS	RESIPP	GASHT	ELECTR	MULLA	ANTRAC	LIGNIT	COQUE	AGLOME	TOTAL	PER CAPITA	DE LA CAPITAL
13	1970	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.5	0.0	0.0	0.0	0.0	0.0	10.5	0.00005	7.83
14	1970	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.5	0.0	0.0	0.0	0.0	0.0	10.5	0.00005	7.83
15	1971	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	34.9	0.0	0.0	0.0	0.0	0.0	34.9	0.00006	8.68
16	1971	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	34.9	0.0	0.0	0.0	0.0	0.0	34.9	0.00006	8.68
17	1972	55.4	105.0	0.0	0.0	426.0	457.0	127.0	0.0	0.0	0.0	39.0	0.0	0.0	0.0	0.0	0.0	1217.5	0.00203	3061.72
18	1972	55.4	105.0	0.0	0.0	426.0	457.0	127.0	0.0	0.0	0.0	39.0	0.0	0.0	0.0	0.0	0.0	1217.5	0.00203	3061.72
19	1973	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	43.8	0.0	0.0	0.0	0.0	0.0	43.8	0.00007	11.22
20	1973	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	43.8	0.0	0.0	0.0	0.0	0.0	43.8	0.00007	11.22
21	1974	50.4	127.4	0.0	0.0	403.2	398.1	87.5	0.0	0.0	0.0	45.0	0.0	0.0	0.0	0.0	0.0	1159.1	0.00168	301.35
22	1974	50.4	127.4	0.0	0.0	403.2	398.1	87.5	0.0	0.0	0.0	45.0	0.0	0.0	0.0	0.0	0.0	1159.1	0.00168	301.35
23	1975	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	38.3	0.0	0.0	0.0	0.0	0.0	38.3	0.00006	10.49
24	1975	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	38.3	0.0	0.0	0.0	0.0	0.0	38.3	0.00006	10.49
25	1976	55.5	148.2	0.0	0.0	451.0	315.3	171.3	0.0	0.0	0.0	41.0	0.0	0.0	0.0	0.0	0.0	1572.0	0.00236	4208.66
26	1976	55.5	148.2	0.0	0.0	451.0	315.3	171.3	0.0	0.0	0.0	41.0	0.0	0.0	0.0	0.0	0.0	1572.0	0.00236	4208.66
27	1977	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	45.3	0.0	0.0	0.0	0.0	0.0	45.3	0.00007	12.28
28	1977	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	45.3	0.0	0.0	0.0	0.0	0.0	45.3	0.00007	12.28
29	1978	50.4	133.2	0.0	0.0	423.5	453.1	87.7	0.0	0.0	0.0	41.0	0.0	0.0	0.0	0.0	0.0	1445.5	0.00206	375.02
30	1978	50.4	133.2	0.0	0.0	423.5	453.1	87.7	0.0	0.0	0.0	41.0	0.0	0.0	0.0	0.0	0.0	1445.5	0.00206	375.02
31	1979	59.0	161.1	0.0	0.0	490.2	669.7	102.3	0.0	0.0	0.0	54.7	0.0	0.0	0.0	0.0	0.0	1436.9	0.00201	4604.55
32	1979	59.0	161.1	0.0	0.0	490.2	669.7	102.3	0.0	0.0	0.0	54.7	0.0	0.0	0.0	0.0	0.0	1436.9	0.00201	4604.55
33	1979	59.0	161.1	0.0	0.0	490.2	669.7	102.3	0.0	0.0	0.0	54.7	0.0	0.0	0.0	0.0	0.0	1436.9	0.00201	4604.55
34	1979	59.0	161.1	0.0	0.0	490.2	669.7	102.3	0.0	0.0	0.0	54.7	0.0	0.0	0.0	0.0	0.0	1436.9	0.00201	4604.55
35	1979	59.0	161.1	0.0	0.0	490.2	669.7	102.3	0.0	0.0	0.0	54.7	0.0	0.0	0.0	0.0	0.0	1436.9	0.00201	4604.55
36	1979	59.0	161.1	0.0	0.0	490.2	669.7	102.3	0.0	0.0	0.0	54.7	0.0	0.0	0.0	0.0	0.0	1436.9	0.00201	4604.55
37	1979	59.0	161.1	0.0	0.0	490.2	669.7	102.3	0.0	0.0	0.0	54.7	0.0	0.0	0.0	0.0	0.0	1436.9	0.00201	4604.55
38	1979	59.0	161.1	0.0	0.0	490.2	669.7	102.3	0.0	0.0	0.0	54.7	0.0	0.0	0.0	0.0	0.0	1436.9	0.00201	4604.55
39	1979	59.0	161.1	0.0	0.0	490.2	669.7	102.3	0.0	0.0	0.0	54.7	0.0	0.0	0.0	0.0	0.0	1436.9	0.00201	4604.55
40	1979	59.0	161.1	0.0	0.0	490.2	669.7	102.3	0.0	0.0	0.0	54.7	0.0	0.0	0.0	0.0	0.0	1436.9	0.00201	4604.55
41	1979	59.0	161.1	0.0	0.0	490.2	669.7	102.3	0.0	0.0	0.0	54.7	0.0	0.0	0.0	0.0	0.0	1436.9	0.00201	4604.55
42	1979	59.0	161.1	0.0	0.0	490.2	669.7	102.3	0.0	0.0	0.0	54.7	0.0	0.0	0.0	0.0	0.0	1436.9	0.00201	4604.55
43	1979	59.0	161.1	0.0	0.0	490.2	669.7	102.3	0.0	0.0	0.0	54.7	0.0	0.0	0.0	0.0	0.0	1436.9	0.00201	4604.55
44	1979	59.0	161.1	0.0	0.0	490.2	669.7	102.3	0.0	0.0	0.0	54.7	0.0	0.0	0.0	0.0	0.0	1436.9	0.00201	4604.55
45	1979	59.0	161.1	0.0	0.0	490.2	669.7	102.3	0.0	0.0	0.0	54.7	0.0	0.0	0.0	0.0	0.0	1436.9	0.00201	4604.55
46	1979	59.0	161.1	0.0	0.0	490.2	669.7	102.3	0.0	0.0	0.0	54.7	0.0	0.0	0.0	0.0	0.0	1436.9	0.00201	4604.55
47	1979	59.0	161.1	0.0	0.0	490.2	669.7	102.3	0.0	0.0	0.0	54.7	0.0	0.0	0.0	0.0	0.0	1436.9	0.00201	4604.55
48	1979	59.0	161.1	0.0	0.0	490.2	669.7	102.3	0.0	0.0	0.0	54.7	0.0	0.0	0.0	0.0	0.0	1436.9	0.00201	4604.55
49	1979	59.0	161.1	0.0	0.0	490.2	669.7	102.3	0.0	0.0	0.0	54.7	0.0	0.0	0.0	0.0	0.0	1436.9	0.00201	4604.55
50	1979	59.0	161.1	0.0	0.0	490.2	669.7	102.3	0.0	0.0	0.0	54.7	0.0	0.0	0.0	0.0	0.0	1436.9	0.00201	4604.55
51	1979	59.0	161.1	0.0	0.0	490.2	669.7	102.3	0.0	0.0	0.0	54.7	0.0	0.0	0.0	0.0	0.0	1436.9	0.00201	4604.55
52	1979	59.0	161.1	0.0	0.0	490.2	669.7	102.3	0.0	0.0	0.0	54.7	0.0	0.0	0.0	0.0	0.0	1436.9	0.00201	4604.55
53	1979	59.0	161.1	0.0	0.0	490.2	669.7	102.3	0.0	0.0	0.0	54.7	0.0	0.0	0.0	0.0	0.0	1436.9	0.00201	4604.55
54	1979	59.0	161.1	0.0	0.0	490.2	669.7	102.3	0.0	0.0	0.0	54.7	0.0	0.0	0.0	0.0	0.0	1436.9	0.00201	4604.55
55	1979	59.0	161.1	0.0	0.0	490.2	669.7	102.3	0.0	0.0	0.0	54.7	0.0	0.0	0.0	0.0	0.0	1436.9	0.00201	4604.55
56	1979	59.0	161.1	0.0	0.0	490.2	669.7	102.3	0.0	0.0	0.0	54.7	0.0	0.0	0.0	0.0	0.0	1436.9	0.00201	4604.55
57	1979	59.0	161.1	0.0	0.0	490.2	669.7	102.3	0.0	0.0	0.0	54.7	0.0	0.0	0.0	0.0	0.0	1436.9	0.00201	4604.55
58	1979	59.0	161.1	0.0	0.0	490.2	669.7	102.3	0.0	0.0	0.0	54.7	0.0	0.0	0.0	0.0	0.0	1436.9	0.00201	4604.55
59	1979	59.0	161.1	0.0	0.0	490.2	669.7	102.3	0.0	0.0	0.0	54.7	0.0	0.0	0.0	0.0	0.0	1436.9	0.00201	4604.55
60	1979	59.0	161.1	0.0	0.0	490.2	669.7	102.3	0.0	0.0	0.0	54.7	0.0	0.0	0.0	0.0	0.0	1436.9	0.00201	4604.55
61	1979	59.0	161.1	0.0	0.0	490.2	669.7	102.3	0.0	0.0	0.0	54.7	0.0	0.0	0.0	0.0	0.0	1436.9	0.00201	4604.55
62	1979	59.0	161.1	0.0	0.0	490.2	669.7	102.3	0.0	0.0	0.0	54.7	0.0	0.0	0.0	0.0	0.0	1436.9	0.00201	4604.55
63	1979	59.0	161.1	0.0	0.0	490.2	669.7	102.3	0.0	0.0	0.0	54.7	0.0	0.0	0.0	0.0	0.0	1436.9	0.00201	4604.55
64	1979	59.0	161.1	0.0	0.0	490.2	669.7	102.3	0.0	0.0	0.0	54.7	0.0	0.0	0.0	0.0	0.0	1436.9	0.00201	4604.55
65	1979	59.0	161.1	0.0	0.0	490.2	669.7	102.3	0.0	0.0	0.0	54.7	0.0	0.0	0.0	0.0	0.0	1436.9	0.00201	4604.55
66	1979	59.0	161.1	0.0	0.0	490.2	669.7	102.3	0.0	0.0	0.0	54.7	0.0	0.0	0.0	0.0	0.0	1436.9	0.00201	4604.55
67	1979	59.0	161.1	0.0	0.0	490.2	669.7	102.3	0.0	0.0	0.0	54.7	0.0	0.0	0.0	0.0	0.0	1436.9	0.00201	4604.55
68	1979	59.0	161.1	0.0	0.0	490.2	669.7	102.3	0.0	0.0	0.0	54.7	0.0	0.0						

MODELO ESTADISTICO DE CONTAMINACION ATMOSFERICA POTENCIAL

UNIDAD = TONELADAS

ANO	COQUE	ANTRAC	LIGNIT	COQUE	ANTRAC	LIGNIT	COQUE	ANTRAC	LIGNIT	COQUE	ANTRAC	LIGNIT	COQUE	ANTRAC	LIGNIT	TOTAL
1970 SOC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1970 PSL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1970 NLX	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1970 LO	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1971 SOC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1971 PSL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1971 NLX	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1971 LO	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1972 SOC	0	144	0	0	5112	15959	170	0	0	0	0	0	0	0	0	21425
1972 PSL	14	72	0	0	93	1279	255	0	0	0	0	0	0	0	0	1712
1972 NLX	52	1224	0	0	852	2559	595	0	0	0	0	0	0	0	0	5282
1972 LO	0	38560	0	0	0	0	0	0	0	0	0	0	0	0	0	38560
1973 SOC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1973 PSL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1973 NLX	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1973 LO	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1974 SOC	0	169	0	0	5617	13939	90	0	0	0	0	0	0	0	0	19815
1974 PSL	12	84	0	0	102	1115	135	0	0	0	0	0	0	0	0	1446
1974 NLX	49	1443	0	0	936	2230	315	0	0	0	0	0	0	0	0	4973
1974 LO	0	41751	0	0	0	0	0	0	0	0	0	0	0	0	0	41751
1975 SOC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1975 PSL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1975 NLX	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1975 LO	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1976 SOC	0	164	0	0	5412	26044	228	0	0	0	0	0	0	0	0	30668
1976 PSL	13	92	0	0	92	2003	142	0	0	0	0	0	0	0	0	2542
1976 NLX	52	1565	0	0	902	4007	799	0	0	0	0	0	0	0	0	7325
1976 LO	0	9920	0	0	0	0	0	0	0	0	0	0	0	0	0	9920
1977 SOC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1977 PSL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1977 NLX	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1977 LO	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1978 SOC	0	204	0	0	5157	27865	170	0	0	0	0	0	0	0	0	28300
1978 PSL	14	102	0	0	24	1831	155	0	0	0	0	0	0	0	0	2236
1978 NLX	56	1735	0	0	659	3662	455	0	0	0	0	0	0	0	0	6767
1978 LO	0	9510	0	0	0	0	0	0	0	0	0	0	0	0	0	9510
1979 SOC	0	214	0	0	4681	23274	143	0	0	0	0	0	0	0	0	28312
1979 PSL	14	102	0	0	24	1831	155	0	0	0	0	0	0	0	0	2241
1979 NLX	56	1725	0	0	780	3722	500	0	0	0	0	0	0	0	0	6784
1979 LO	0	9551	0	0	0	0	0	0	0	0	0	0	0	0	0	9551

ESTADÍSTICA DE ENERGÍA Y SU ESTRUCTURA

MEDIO DINAMICO PARA LA CAPITAL

CONSUMO FINAL POR FORMAS DE ENERGÍA Y SU ESTRUCTURA

UNIDAD: MILES DE TONELADAS

CONSUMO PER CAPITA CONSUMO DE LA CAPITAL

ANOS	GLP	GASNA	GASO A	GASO B	GASO C	FUELOS	RESIRP	GASNAT	ELECTR	MULLA	ANTRAC	LIGNIT	COQUE	AGLOME	TOTAL	PER CAPITA	DE LA CAPITAL
1981	11.1	25.9	0.0	0.0	13.3	119.8	71.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	249.8	0.00167	164.72
1982	11.2	25.2	0.0	0.0	29.1	281.7	8.1	0.0	23.9	0.0	0.0	0.0	0.0	0.0	349.9	0.00167	164.72
1983	17.0	44.0	0.0	0.0	126.6	186.2	32.8	0.0	52.1	0.0	0.6	0.0	0.0	0.0	458.8	0.00192	456.78
1984	3.7	9.6	0.0	0.0	27.6	40.6	7.2	0.0	11.4	0.0	0.0	0.0	0.0	0.0	100.5	0.00192	456.78
1985	23.2	59.7	0.0	0.0	172.1	251.0	49.9	0.0	15.0	0.0	0.0	0.0	0.0	0.0	579.9	0.00211	574.77
1986	3.0	10.0	0.0	0.0	30.1	49.9	7.0	0.0	2.7	0.0	0.0	0.0	0.0	0.0	102.7	0.00211	574.77
1987	26.7	75.3	0.0	0.0	212.6	320.0	55.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	691.9	0.00225	691.89
1988	9.1	10.9	0.0	0.0	30.7	46.2	8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	104.9	0.00225	691.89
1989	13.1	37.0	0.0	0.0	23.1	173.2	54.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	307.4	0.00231	304.59
1990	4.1	15.4	0.0	0.0	30.5	46.3	8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	104.9	0.00231	304.59

MODELO DINAMICO DE CONTAMINACION ATMOSFERICA POTENCIAL

UNIDAD = TONELADAS

ANO	ULI	CASLKA	WASO A	WASO B	WASO C	FUELDI	RESIPP	CASNET	ELELTA	MULLA	AKINAC	LIONIT	COGUL	AGLDNE	TOTAL
1981 S/G	0	37	0	0	1000	4193	78	0	0	0	0	0	0	0	5258
1981 P/S	2	18	0	0	14	335	43	0	0	0	0	0	0	0	416
1981 N/L	10	322	0	0	166	670	100	0	0	0	0	0	0	0	1268
1981 L/D	0	8071	0	0	0	0	0	0	0	0	0	0	0	0	8071
1985 S/G	0	58	0	0	1518	6518	43	0	0	0	0	0	0	0	8137
1985 P/S	4	29	0	0	27	621	65	0	0	0	0	0	0	0	646
1985 N/L	10	496	0	0	253	1042	153	0	0	0	0	0	0	0	1962
1985 L/D	0	18077	0	0	0	0	0	0	0	0	0	0	0	0	18077
1991 S/G	0	40	0	0	2072	9819	54	0	0	0	0	0	0	0	11230
1991 P/S	5	40	0	0	37	721	89	0	0	0	0	0	0	0	892
1991 N/L	22	688	0	0	345	1443	209	0	0	0	0	0	0	0	2767
1991 L/D	0	15939	0	0	0	0	0	0	0	0	0	0	0	0	15939
1995 S/G	0	100	0	0	2551	11203	74	0	0	0	0	0	0	0	13928
1995 P/S	6	50	0	0	46	856	110	0	0	0	0	0	0	0	1112
1995 N/L	27	663	0	0	425	1792	257	0	0	0	0	0	0	0	3354
1995 L/D	0	24111	0	0	0	0	0	0	0	0	0	0	0	0	24111
2000 S/G	0	117	0	0	2955	13065	85	0	0	0	0	0	0	0	16222
2000 P/S	7	58	0	0	54	1045	128	0	0	0	0	0	0	0	1292
2000 N/L	31	994	0	0	452	2090	298	0	0	0	0	0	0	0	3905
2000 L/D	0	28084	0	0	0	0	0	0	0	0	0	0	0	0	28084

MODELO ESTADISTICO PARA LA PROVINCIA

CONSUMO FINAL POR FORMAS DE ENERGIA Y SU ESTRUCTURA

UNIDAD: MILLES DE TON Y °C

CONSUMO PER
CAPITA
CONSUMO DE LA
CAPITAL

AÑO	H.P.	GASOLNA	GASO A	GASO B	GASO C	FUELOS	RESIPR	GAS NAT	ELECTR	HULLA	ANTRAC	LIGNIT	COQUE	AGLOME	TOTAL	CONSUMO PER CAPITA	CONSUMO DE LA CAPITAL
1970	31.0	38.5	15.0	32.1	0.0	373.1	2.1	0.0	203.7	196.8	31.3	0.0	152.3	0.0	1371.9	0.00293	431.22
1971	36.0	63.3	81.2	34.8	0.0	472.4	3.0	0.0	204.7	372.0	77.8	0.0	62.3	0.0	1407.4	0.00299	444.13
1972	40.7	72.9	85.7	36.9	0.0	515.4	3.2	0.0	211.6	353.7	106.0	0.0	69.3	0.0	1505.4	0.00318	485.91
1973	45.5	64.2	93.6	40.0	0.0	609.4	3.9	0.0	239.0	316.9	65.6	0.1	73.9	0.0	1572.7	0.00329	513.49
1974	47.2	66.1	100.3	43.2	0.0	718.4	2.5	0.0	241.6	275.2	56.8	0.0	164.3	0.0	1736.4	0.00361	573.46
1975	49.4	54.9	112.5	46.9	0.0	695.7	1.9	0.0	216.5	241.1	52.2	0.0	93.4	0.1	1599.7	0.00330	634.39
1976	53.3	101.3	122.5	49.3	0.0	767.1	1.0	0.0	222.2	192.0	74.9	0.0	132.9	0.0	1729.4	0.00353	584.50
1977	55.7	114.3	120.4	55.7	20.7	667.4	1.2	0.0	220.9	167.8	47.2	0.0	163.8	0.0	1648.8	0.00334	663.91
1978	67.4	110.1	120.0	66.0	29.4	692.9	3.6	0.0	219.3	126.9	53.7	0.0	120.5	0.0	1641.1	0.00331	601.96
1979	73.4	110.0	125.5	73.3	32.8	748.3	4.2	0.0	251.0	115.6	65.1	0.0	97.5	0.0	1705.4	0.00338	477.77

VINO SIN

-----MODELO DINAMICO PARA LA CAPITAL-----

CONSUMO FINAL POR FORMAS DE ENERGIA Y SU ESTRUCTURA
UNIDAD: MILLONES DE TONELADAS

CONSUMO PER
CAPITA CONSUMO DE LA
CAPITAL

ANU	ELP	GAS/A	GASO A	GASO B	GASO C	FUELOI	RESIPP	GASNAT	ELECTR	MULLA	ANTHRAC	LIGNIT	COQUE	ACLOME	TOTAL	CONSUMO PER CAPITA	CONSUMO DE LA CAPITAL
1984	20.1	25.7	19.5	19.0	0.5	24.1	0.15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	530.9	0.00300	530.60
1985	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	0.00299	0.0
1986	5.1	7.1	7.7	3.9	1.5	48.3	0.1	0.0	13.7	3.4	3.4	0.0	6.7	0.0	0.0	0.00297	0.0
1987	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	0.00295	0.0
1988	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	0.00294	0.0
1989	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	0.00293	0.0

MODELO DINAMICO DE CONTAMINACION ATMOSFERICA POTENCIAL

UNIDAD = TONELADAS

ANO	ELI	GASOLINA	DASO A	DASO B	DASO C	PUCCO	RESIDU	GASOL	ELECTR	HULLA	ANTRAF	LIGNIT	COQUE	AGLONE	TOTAL
1980 MEX	0	47	313	150	17	2578	1	0	0	948	461	0	389	0	10998
1980 P.E	0	25	131	65	1	687	1	0	0	1186	1752	0	389	0	4238
1980 N.Y	15	808	1790	887	12	1375	3	0	0	118	97	0	116	0	4821
1980 U	0	11420	374	195	0	0	0	0	0	0	0	0	0	0	12002
1985 MEX	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1985 P.E	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1985 N.Y	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1985 U	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1990 MEX	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1990 P.E	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1990 N.Y	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1990 U	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1995 MEX	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1995 P.E	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1995 N.Y	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1995 U	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2000 MEX	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2000 P.E	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2000 N.Y	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2000 U	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

MODELO ESTADISTICO PARA LA PROVINCIA

CONSUMO FINAL POR FORMAS DE ENERGIA Y SU ESTRUCTURA
UNIDAD: MILES DE TEC Y T

CONSUMO PER
CAPITA
CONSUMO
DE LA
CAPITAL

ANOS	OLF	GASLNA	GASO A	GASO B	GASO C	FUELOS	RESIRP	GASNAT	FLECTR	MULLA	ANTRAC	LIGNIT	COQUE	AGLONE	TOTAL	CONSUMO PER CAPITA	CONSUMO DE LA CAPITAL
1570	0.5	1.1	2.8	12.2	0.0	27.9	0.0	0.0	18.0	0.1	0.1	0.0	0.0	0.0	107.5	*****	0.0
1571	0.7	19.8	22.9	12.4	0.0	27.9	0.9	0.0	14.5	0.7	0.4	0.0	0.0	0.0	115.7	*****	0.0
1572	0.8	17.1	19.8	10.8	0.0	27.9	0.8	0.0	14.2	0.6	0.3	0.0	0.0	0.0	115.7	*****	0.0
1573	11.1	21.7	28.1	11.3	0.0	31.3	1.0	0.0	13.3	1.7	0.8	0.0	0.0	0.0	120.2	*****	0.0
1574	0.8	17.0	19.8	10.8	0.0	27.9	0.8	0.0	14.2	0.6	0.3	0.0	0.0	0.0	115.7	*****	0.0
1575	12.3	23.7	25.9	13.9	0.0	42.7	1.2	0.0	19.0	0.4	0.3	0.0	0.0	0.0	139.4	*****	0.0
1576	0.8	17.0	18.6	10.0	0.0	30.6	0.9	0.0	13.6	0.3	0.2	0.0	0.0	0.0	115.7	*****	0.0
1577	13.5	25.1	28.8	11.2	0.0	43.4	1.0	0.0	20.0	0.6	0.8	0.0	0.0	0.0	136.0	*****	0.0
1578	0.8	15.3	18.1	9.0	0.0	30.3	0.7	0.0	13.7	0.5	0.5	0.0	0.0	0.0	115.7	*****	0.0
1579	13.8	25.2	26.3	15.2	0.0	50.8	0.9	0.0	22.3	0.7	0.7	0.0	0.0	0.0	158.0	*****	0.0
1580	0.6	16.2	17.9	9.6	0.0	32.2	0.6	0.0	14.0	0.4	0.4	0.0	0.0	0.0	115.7	*****	0.0
1581	15.5	25.1	31.9	17.0	0.0	48.0	0.3	0.0	28.5	0.5	0.6	0.0	0.0	0.0	176.5	*****	0.0
1582	0.8	18.0	19.0	10.1	0.0	27.3	0.7	0.0	13.9	0.3	0.3	0.0	0.0	0.0	115.7	*****	0.0
1583	17.3	32.8	31.2	22.5	17.1	40.6	0.1	0.0	27.5	0.5	0.8	0.0	0.0	0.0	190.4	*****	0.0
1584	0.1	17.0	16.9	12.1	9.0	21.3	0.1	0.0	14.5	0.3	0.4	0.0	0.0	0.0	115.7	*****	0.0
1585	17.0	35.1	33.0	23.4	22.3	40.4	0.1	0.0	30.1	0.5	1.1	0.0	0.0	0.0	205.1	*****	0.0
1586	0.1	17.4	16.1	11.4	10.7	19.1	0.1	0.0	15.7	0.2	0.5	0.0	0.0	0.0	115.7	*****	0.0
1587	15.2	39.0	36.8	27.6	26.3	39.1	0.2	0.0	29.0	0.4	1.0	0.0	0.0	0.0	219.0	*****	0.0
1588	0.7	17.8	16.8	12.6	12.3	17.9	0.1	0.0	13.2	0.2	0.5	0.0	0.0	0.0	115.7	*****	0.0

MODELO ESTADISTICO DE CONTAMINACION ATMOSFERICA POTENCIAL

UNIDAD = TONELADAS

ANO	GLI	USARNA	BASE 1	BASE 2	GASO C	FUELOS	HEATER	GASNAI	LETETR	HULLA	ANTRAC	LIGNII	COQUE	AGLONE	TOTAL
1970	SC2	24	181	97	0	1034	1	0	0	9	16	0	0	0	1362
1970	POL	12	76	4	0	62	1	0	0	11	62	0	0	0	205
1970	NCA	20	1620	650	0	165	4	0	0	1	3	0	0	0	1962
1970	CO	507	220	121	0	0	0	0	0	0	0	0	0	0	6154
1971	SC2	26	183	99	0	1129	1	0	0	16	9	0	0	0	1463
1971	POL	13	76	41	0	60	1	0	0	20	35	0	0	0	270
1971	NCA	24	1040	664	0	160	4	0	0	2	1	0	0	0	2024
1971	CO	635	229	124	0	0	0	0	0	0	0	0	0	0	6680
1972	SC2	27	180	106	0	1304	1	0	0	21	14	0	0	0	1673
1972	POL	14	82	44	0	104	2	0	0	26	54	0	0	0	320
1972	NCA	24	1122	605	0	208	4	0	0	2	3	0	0	0	2202
1972	CO	707	247	133	0	0	0	0	0	0	0	0	0	0	7367
1973	SC2	27	201	111	0	1494	1	0	0	9	7	0	0	0	1660
1973	POL	13	88	46	0	119	2	0	0	11	27	0	0	0	300
1973	NCA	24	1176	632	0	236	5	0	0	1	1	0	0	0	2333
1973	CO	753	259	139	0	0	0	0	0	0	0	0	0	0	7901
1974	SC2	27	195	105	0	1744	1	0	0	19	19	0	0	0	2112
1974	POL	14	81	43	0	139	2	0	0	24	72	0	0	0	376
1974	NCA	25	1106	598	0	276	4	0	0	2	4	0	0	0	2266
1974	CO	711	294	131	0	0	0	0	0	0	0	0	0	0	7520
1975	SC2	34	226	121	0	1780	1	0	0	16	16	0	0	0	2194
1975	POL	17	94	50	0	142	1	0	0	20	62	0	0	0	389
1975	NCA	26	1225	686	0	284	4	0	0	2	3	0	0	0	2566
1975	CO	820	283	151	0	0	0	0	0	0	0	0	0	0	8642
1976	SC2	35	234	142	0	1714	0	0	0	12	14	0	0	0	2256
1976	POL	17	105	59	0	137	0	0	0	15	54	0	0	0	393
1976	NCA	26	1441	809	0	274	1	0	0	1	3	0	0	0	2842
1976	CO	751	317	170	0	0	0	0	0	0	0	0	0	0	7590
1977	SC2	43	244	143	0	205	1	0	0	12	15	0	0	0	2130
1977	POL	17	103	70	0	113	0	0	0	15	72	0	0	0	407
1977	NCA	26	1414	840	0	227	0	0	0	1	4	0	0	0	3164
1977	CO	1063	311	129	0	0	0	0	0	0	0	0	0	0	10900
1978	SC2	47	264	167	0	261	1	0	0	12	20	0	0	0	2210
1978	POL	17	110	77	0	113	0	0	0	15	99	0	0	0	445
1978	NCA	27	1490	860	0	226	0	0	0	1	5	0	0	0	3254
1978	CO	1143	330	233	0	0	0	0	0	0	0	0	0	0	11900
1979	SC2	52	294	220	0	322	1	0	0	9	24	0	0	0	2290
1979	POL	17	122	81	0	104	0	0	0	11	70	0	0	0	450
1979	NCA	27	1666	1251	0	211	0	0	0	1	5	0	0	0	3455
1979	CO	1240	367	275	0	0	0	0	0	0	0	0	0	0	13122

Area de Control S.A.

MODELO DINAMICO DE CONTAMINACION ATMOSFERICA POTENCIAL

UNIDAD = TONELADAS

199	CEP	CASINA	BASE A	BASE B	BASE C	FUELOS	RESIDU	CASINAT	ELECTR	HULLA	ANTHAC	LIGNIT	CLOQUE	ADICNE	TOTAL
1980 SCS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1980 PSB	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1980 NLX	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1980 LU	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1985 SCS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1985 PSB	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1985 NLX	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1985 LU	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1990 SCS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1990 PSB	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1990 NLX	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1990 LU	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1995 SCS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1995 PSB	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1995 NLX	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1995 LU	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2000 SCS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2000 PSB	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2000 NLX	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2000 LU	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

MODELO ESTADICO PARA LA PROVINCIA

CONSUMO FINAL POR FORMAS DE ENERGIA Y SU ESTRUCTURA

UNIDAD: MILES DE TCC Y A

CONSUMO PER CAPITA CONSUMO DE LA CAPITAL

ANO	OLF	GASOLNA	GASO A	GASO B	GASO C	FUELOI	RESIPP	GASNAT	ELECTR	MULLA	ANTHAC	LIGNIT	COQUE	AGLOME	TOTAL	CONSUMO PER CAPITA	CONSUMO DE LA CAPITAL
1970	12.0	120.0	10.0	10.0	10.0	0.0	240.0	10.0	150.0	10.0	10.0	10.0	10.0	10.0	999.0	0.00075	834.83
1971	12.0	120.0	10.0	10.0	10.0	0.0	240.0	10.0	150.0	10.0	10.0	10.0	10.0	10.0	1104.9	0.00082	453.15
1972	12.0	120.0	10.0	10.0	10.0	0.0	240.0	10.0	150.0	10.0	10.0	10.0	10.0	10.0	1172.3	0.00087	485.30
1973	12.0	120.0	10.0	10.0	10.0	0.0	240.0	10.0	150.0	10.0	10.0	10.0	10.0	10.0	1315.9	0.00097	549.09
1974	12.0	120.0	10.0	10.0	10.0	0.0	240.0	10.0	150.0	10.0	10.0	10.0	10.0	10.0	1498.5	0.00103	581.50
1975	12.0	120.0	10.0	10.0	10.0	0.0	240.0	10.0	150.0	10.0	10.0	10.0	10.0	10.0	1775.3	0.00102	594.00
1976	12.0	120.0	10.0	10.0	10.0	0.0	240.0	10.0	150.0	10.0	10.0	10.0	10.0	10.0	1883.7	0.00105	620.12
1977	12.0	120.0	10.0	10.0	10.0	0.0	240.0	10.0	150.0	10.0	10.0	10.0	10.0	10.0	1454.2	0.00105	629.08
1978	12.0	120.0	10.0	10.0	10.0	0.0	240.0	10.0	150.0	10.0	10.0	10.0	10.0	10.0	1507.8	0.00109	658.55
1979	12.0	120.0	10.0	10.0	10.0	0.0	240.0	10.0	150.0	10.0	10.0	10.0	10.0	10.0	1557.2	0.00112	685.00

INC.

VALLE

MODELO DINAMICO PARA LA CAPITAL

CENSO FINAL POR FORMAS DE ENERGIA Y SU ESTRUCTURA
UNIDAD: MILES DE TON

CONSUMO PER
CAPITA

CONSUMO DE LA
CAPITAL

ASL LLE GASLA GASO A GASO B GASO C FUELOI RESIPP GASNAT ELECTR HULLA ANTRAC LIGNIT COQUE AGLOME TOTAL

1980	59.2	119.4	91.0	58.1	9.1	221.3	21.7	7.0	114.0	0.0	0.0	0.0	0.5	0.3	556.0	0.00112	696.04
1985	7.9	16.6	13.1	2.9	1.3	32.7	1.1	0.0	16.4	0.0	0.0	0.0	0.1	0.0			
1990	64.5	134.5	97.3	65.1	12.5	257.9	23.6	0.0	130.1	0.0	0.0	0.0	0.4	0.3	765.9	0.00119	785.92
1995	7.2	17.1	12.4	3.3	1.6	32.8	3.0	0.0	16.6	0.0	0.0	0.0	0.0	0.0			
2000	10.2	19.7	10.0	7.1	1.5	18.4	1.1	0.0	14.5	0.0	0.0	0.0	0.1	0.0	473.1	0.00123	673.06
2005	10	17.4	11.9	8.2	1.7	35.3	2.9	0.0	16.7	0.0	0.0	0.0	0.0	0.0			
2010	76.4	170.9	110.6	78.6	16.6	317.2	27.4	0.0	141.2	0.0	0.0	0.0	0.4	0.4	961.3	0.00127	961.33
2015	7.9	17.8	11.5	8.2	1.9	32.0	2.9	0.0	16.8	0.0	0.0	0.0	0.0	0.0			
2020	200	30.7	189.5	117.4	25.6	21.1	149.0	19.5	0.0	177.1	0.0	0.0	0.0	0.0	454	0.00129	1052.64
2025	7.9	16.0	11.8	8.1	1.7	33.1	2.8	0.0	16.8	0.0	0.0	0.0	0.0	0.0			

Ministerio de Comercio y A...

MODELO DINAMICO DE CONTAMINACION ATMOSFERICA POTENCIAL

UNIDAD = TONELADAS

AÑO	ELI	BASENA	CASO A	CASO B	CASO C	ELECU1	RESTPE	VASHAT	ELECU2	NOVA	INTEAC	LIONIT	ECOLU	AGLONE	TOTAL
1960	0	153	728	466	105	7958	28	0	0	0	0	0	0	7	9455
1960	15	76	303	194	2	636	43	0	0	0	0	0	6	5	1278
1960	55	1368	4126	2442	16	1273	101	0	0	0	0	0	1	0	9524
1960	0	26933	510	582	0	0	0	0	0	0	0	0	0	0	34931
1965	0	174	773	520	149	9028	31	0	0	0	0	0	0	7	10695
1965	15	64	324	217	2	722	47	0	0	0	0	0	3	6	1425
1965	61	1324	4411	2452	24	1444	116	0	0	0	0	0	0	0	10627
1965	0	43637	973	651	0	0	0	0	0	0	0	0	0	0	44661
1970	1	203	830	574	188	10063	33	0	0	0	0	0	1	8	11898
1970	16	101	346	239	3	605	56	0	0	0	0	0	1	7	1566
1970	66	1730	4705	3254	31	1610	118	0	0	0	0	0	0	1	11515
1970	0	46853	1038	737	0	0	0	0	0	0	0	0	0	0	50608
1975	0	221	785	628	223	11107	36	0	0	0	0	0	0	9	13115
1975	10	133	363	261	4	888	54	0	0	0	0	0	0	7	1713
1975	72	1930	5615	3562	37	1777	127	0	0	0	0	0	0	1	12527
1975	0	54672	1106	781	0	0	0	0	0	0	0	0	0	0	56564
2000	0	252	942	684	260	12185	39	0	0	0	0	0	0	9	14371
2000	19	126	392	265	4	974	56	0	0	0	0	0	0	8	1666
2000	78	2147	5343	3680	43	1947	137	0	0	0	0	0	0	1	13530
2000	0	61644	1170	356	0	0	0	0	0	0	0	0	0	0	62677

MODELO ESTADIL DE CONTAMINACION ATMOSFERICA POTENCIAL

UNIDAD = TONELADAS

ANO	CO	PASLA	PASO	PASO B	PASO C	FUELO	HISTOP	GASOL	ELECTR	NULLA	ANTHAC	LIGNIT	COQUE	ADICME	TOTAL
1970	SC2	1	20	213	141	0	359	0	0	0	7	0	0	0	740
1970	PSL	1	10	88	56	0	28	0	0	0	9	0	0	0	194
1970	NCL	4	173	1210	802	0	57	2	0	0	0	0	0	0	2248
1970	LO	0	8695	266	170	0	0	0	0	0	0	0	0	0	5537
1971	SC2	0	22	232	151	0	679	0	0	0	4	0	0	0	1091
1971	PSL	1	11	96	64	0	54	0	0	0	5	0	0	0	231
1971	NCL	4	180	1319	877	0	108	2	0	0	0	0	0	0	2498
1971	LO	0	5427	280	193	0	0	0	0	0	0	0	0	0	5610
1972	SC2	0	25	252	163	0	859	0	0	0	7	0	0	0	1311
1972	PSL	1	12	105	70	0	68	1	0	0	9	0	0	0	266
1972	NCL	5	218	1428	952	0	137	2	0	0	0	0	0	0	2719
1972	LO	0	6095	315	210	0	0	0	0	0	0	0	0	0	6620
1973	SC2	0	29	307	204	0	1069	1	0	0	7	0	0	0	1617
1973	PSL	1	14	123	85	0	85	1	0	0	9	0	0	0	323
1973	NCL	6	253	1740	1156	0	171	3	0	0	6	0	0	0	3329
1973	LO	0	7151	389	255	0	0	0	0	0	0	0	0	0	7791
1974	SC2	0	29	298	198	0	1139	0	0	0	4	0	0	0	1684
1974	PSL	1	14	123	81	0	91	1	0	0	5	0	0	0	316
1974	NCL	6	251	1677	1116	0	182	2	0	0	6	0	0	0	3235
1974	LO	0	7103	370	285	0	0	0	0	0	0	0	0	0	7718
1975	SC2	0	33	316	210	0	1155	0	0	0	4	0	0	0	1716
1975	PSL	1	16	131	87	0	92	0	0	0	5	0	0	0	332
1975	NCL	7	283	1795	1190	0	184	2	0	0	6	0	0	0	3461
1975	LO	0	6113	395	262	0	0	0	0	0	0	0	0	0	6672
1976	SC2	0	35	358	217	0	1084	0	0	0	2	0	0	0	1712
1976	PSL	1	17	138	90	0	85	0	0	0	3	0	0	0	344
1976	NCL	7	304	2012	1230	0	171	0	0	0	6	0	0	0	3724
1976	LO	0	6391	404	271	0	0	0	0	0	0	0	0	0	7306
1977	SC2	0	37	344	235	0	844	0	0	0	2	0	0	0	1576
1977	PSL	1	18	143	98	0	67	0	0	0	3	0	0	0	332
1977	NCL	7	315	1951	1332	0	185	0	0	0	6	0	0	0	3762
1977	LO	0	6123	411	298	0	0	0	0	0	0	0	0	0	6747
1978	SC2	0	41	363	240	0	819	0	0	0	0	0	0	0	1622
1978	PSL	1	19	151	95	0	65	0	0	0	0	0	0	0	330
1978	NCL	8	326	2060	1365	0	191	0	0	0	0	0	0	0	3882
1978	LO	0	6533	424	287	0	0	0	0	0	0	0	0	0	10676
1979	SC2	0	44	420	256	0	774	0	0	0	2	0	0	0	1778
1979	PSL	1	20	159	100	0	61	0	0	0	0	0	0	0	401
1979	NCL	8	326	2060	1365	0	191	0	0	0	0	0	0	0	4275
1979	LO	0	10151	525	307	0	0	0	0	0	0	0	0	0	11683

ANEXO DE CONTAMINACION

-----MODELO DINAMICO PARA LA CAPITAL-----

CONSUMO FINAL POR FORMAS DE ENERGIA Y SU ESTRUCTURA
 UNIDAD: MILES DE TONELADAS

CONSUMO PER
 CAPITAL CONSUMO DE LA
 CAPITAL

ANO	ULP	GASNA	GASO A	GASO B	GASO C	FULLOI	RESIPP	GASNAT	ELECTR	MULLA	ANTRAC	LIGNIT	COQUE	AGLONE	TOTAL	CONSUMO PER CAPITAL	CONSUMO DE LA CAPITAL
1980	5.7	9.2	15.3	9.8	3.0	9.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	53.8	0.00178	53.37
1985	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	0.00197	0.0
1990	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	0.00211	0.0
1995	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	0.00222	0.0
2000	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	0.00231	0.0

PROVINCIA TARRAGONA

MODELO ESTADICO PARA LA PROVINCIA

CONSUMO FINAL POR FORMAS DE ENERGIA Y SU ESTRUCTURA
UNIDAD: MILES DE TON Y A

CONSUMO PER
CAPITA CONSUMO
DE LA
CAPITAL

ANO	SLP	CASNA	GASO A	GASO B	GASO C	FUELOS	RESIPP	GASOLAT	ELECTR	MULLA	ANTRAC	LIGNIT	COQUE	AGLOME	TOTAL	PER CAPITA	DE LA CAPITAL
1971	3.71	65.5	49.8	53.7	0.0	211.9	7.1	1.0	100.3	1.2	2.2	0.1	0.7	0.0	671.3	0.00195	106.44
1972	4.3	133.7	144.1	41.0	0.0	151.1	1.2	0.0	10.3	0.2	0.5	1.0	0.0	0.0			
1973	1.71	44.4	92.4	121.3	65.4	0.0	234.3	2.8	0.0	116.1	0.3	1.2	10.4	0.2	696.0	0.00159	126.21
1974	6.4	13.3	17.4	9.4	0.0	33.7	1.4	0.0	16.7	0.0	0.2	1.5	0.0	0.0			
1975	1.71	47.2	106.7	133.7	18.9	0.0	156.1	11.0	0.0	121.0	0.1	1.0	3.1	0.3	773.0	0.00174	146.68
1976	5.3	133.7	144.1	10.0	0.0	151.1	1.2	0.0	10.3	0.1	0.3	1.1	0.0	0.0			
1977	55.1	124.7	145.8	60.7	0.0	308.2	15.6	0.0	137.2	1.0	1.1	9.9	2.6	0.0	885.8	0.00195	171.41
1978	6.7	14.1	16.9	9.1	0.0	34.8	1.8	0.0	15.5	0.1	0.1	1.1	0.3	0.0			
1979	50.0	133.7	144.1	12.7	0.0	143.7	3.4	0.0	122.0	1.1	1.7	0.0	1.0	0.0	598.8	0.00205	131.65
1980	6.0	13.8	16.7	8.7	0.0	36.8	0.6	0.0	17.1	0.1	0.4	0.8	0.1	0.0			
1981	57.8	146.5	157.6	78.9	0.0	340.6	4.2	0.0	166.1	0.4	0.3	0.7	0.2	0.0	965.4	0.00203	197.28
1982	6.0	15.5	16.5	8.3	0.0	35.6	0.4	0.0	17.4	0.0	0.0	0.1	0.0	0.0			
1983	6.2	169.0	174.6	91.2	25.2	356.1	4.0	0.0	221.7	0.3	0.4	0.1	0.3	0.0	1091.0	0.00226	234.09
1984	5.7	14.0	12.9	5.3	2.3	32.4	0.4	0.0	20.2	0.0	0.0	0.0	0.0	0.0			
1985	67.2	175.1	180.4	113.8	42.0	452.0	3.4	0.0	265.1	0.6	0.9	0.2	0.6	0.0	1360.4	0.00266	288.02
1986	5.1	13.4	13.8	8.7	3.7	34.5	0.3	0.0	20.3	0.0	0.1	0.0	0.0	0.0			
1987	7.2	143.7	164.5	116.3	15.3	661.7	2.8	0.0	315.0	0.1	0.5	0.3	0.2	0.0	1609.3	0.00319	364.79
1988	4.0	12.1	11.2	7.2	1.4	41.2	0.2	0.0	15.7	0.0	0.0	0.0	0.0	0.0			
1989	78.1	260.3	194.6	117.3	41.1	657.5	3.3	0.0	340.6	1.0	0.5	0.2	0.0	0.0	1934.7	0.00378	453.86
1990	9.0	10.4	10.1	6.1	2.1	42.5	0.2	0.0	17.6	0.1	0.0	0.0	0.0	0.0			

PROVINCIA TARRAGONA

MODELO DINAMICO PARA LA CAPITAL

CONSUMO FINAL POR FORMAS DE ENERGIA Y SU ESTRUCTURA
UNIDAD: MILES DE TON Y T

CONSUMO PER
CAPITA CONSUMO DE LA CAPITAL

AÑO	SLE	GASAA	GASO A	GASO B	GASO C	FUELOS	RESIPP	GASOAI	ELECTR	HULLA	ANTRAC	LIGNIT	COQUE	AGLONE	TOTAL	PER	CAPITAL
1980	10.7	35.0	36.1	18.5	4.5	150.1	0.0	0.0	11.1	0.7	0.1	0.0	0.2	0.0	215.3	0.00301	173.74
1985	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	0.00332	0.0
1990	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	0.00358	0.0
1995	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	0.00372	0.0
2000	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	0.00387	0.0

MODELO DINAMICO DE CONTAMINACION ATMOSFERICA POTENCIAL

UNIDAD: TONELADAS

ANO	OLP	BASENA	CASO I	CASO E	CASO C	FUELOS	RESIDU	PASTAS	ELECTR	MUELA	AMIRAL	LIGNIT	COQUE	ROLOM	TOTAL
1980 Sec	0	13	400	231	112	5251	1	0	0	1	2	0	1	0	6013
1980 P.S.	4	32	166	96	7	426	1	0	0	6	9	0	1	0	737
1980 N.C.	17	555	2269	1309	18	841	3	0	0	0	0	0	0	0	5612
1980 LU	0	15615	560	288	0	0	0	0	0	0	0	0	0	0	16476
1985 Sec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1985 P.S.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1985 N.C.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1985 LU	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1990 Sec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1990 P.S.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1990 N.C.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1990 LU	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1995 Sec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1995 P.S.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1995 N.C.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1995 LU	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2000 Sec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2000 P.S.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2000 N.C.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2000 LU	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

VINE

MODELO ESTADICO PARA LA PROVINCIA

CONSUMO FINAL POR FUENTES DE ENERGIA Y SU ESTRUCTURA
 UNIDAD: C MILES DE TEG Y A

CONSUMO PER
 CAPITA
 CONSUMO DE LA
 CAPITAL

AÑO	CLP	GASLNA	CASO A	CASO B	CASO C	FUELOS	RESIPP	GASNAT	ELECTR	HULLA	ANTRAC	LIGNIT	COQUE	AGLOME	TOTAL	CONSUMO PER CAPITA	CONSUMO DE LA CAPITAL
1970	1.9	13.2	36.2	16.2	0.0	7.9	0.0	0.0	10.1	0.1	0.0	0.0	0.0	0.0	73.8	0.00053	10.96
1971	8.2	13.3	30.2	16.2	0.0	6.7	0.8	0.0	10.6	0.1	0.1	6.8	0.3	0.0	93.5	0.00054	11.37
1972	8.3	12.9	31.2	17.8	0.0	10.9	0.5	0.0	11.5	0.8	0.1	4.8	0.9	0.0	102.5	0.00061	11.03
1973	9.9	12.6	40.8	22.0	0.0	10.6	1.2	0.0	14.3	0.8	0.1	9.3	0.6	0.0	133.6	0.00061	17.78
1974	10.8	13.0	41.1	21.6	0.0	19.0	1.0	0.0	15.1	0.9	0.0	7.9	0.5	0.0	130.5	0.00061	16.17
1975	10.8	19.8	45.3	22.3	0.0	16.4	0.8	0.0	15.6	0.1	0.0	8.6	0.6	0.0	137.9	0.00088	20.09
1976	11.5	21.9	48.9	24.9	2.9	22.0	0.2	0.0	20.8	0.0	0.0	0.3	0.8	0.0	151.7	0.00099	21.11
1977	11.6	22.0	40.5	27.6	7.0	30.0	0.1	0.0	21.9	0.0	0.0	7.3	0.9	0.0	177.3	0.00118	28.11
1978	12.0	23.9	49.5	30.6	9.6	28.0	0.0	0.0	25.2	0.1	0.0	0.1	0.6	0.0	180.1	0.00127	29.76
1979	13.9	25.5	51.4	31.4	0.0	29.7	0.0	0.0	30.3	0.0	0.0	1.6	0.9	0.0	186.8	0.00150	32.17

1971

-----MEDIO ESTADISTICO PARA LA PROVINCIA-----

CONSEJO FISCAL POR FORMAS DE ENERGIA Y SU ESTRUCTURA

UNIDAD: MILES DE PESOS

CONSUMO PER
CAPITA

CONSUMO
DE LA
CAPITAL

ANIO	ASF	CASERA	LASO A	LASO B	LASO C	FUELOS	RESIPP	GASNAT	ELECTR	NULLA	ANTRAC	LIGNIT	COQUE	AGLONE	TOTAL	PER CAPITA	DE LA CAPITAL
1970	22.2	33.8	42.1	33.9	0.0	395.9	3.3	0.0	2.3	2.3	7.2	0.0	0.1	0.1	619.8	0.00129	16.72
1971	27.2	45.6	68.2	34.5	0.0	347.1	2.7	0.0	62.3	2.6	4.1	0.0	0.1	0.0	590.7	0.00124	55.58
1972	25.1	37.3	71.1	36.3	0.0	515.7	2.8	0.0	75.7	1.8	2.8	0.0	0.1	0.1	789.7	0.00167	76.91
1973	31.4	63.3	83.4	44.8	0.0	467.5	4.8	0.0	83.2	1.7	1.2	0.0	0.1	0.0	779.6	0.00166	76.59
1974	34.3	68.1	112.5	43.0	0.0	675.8	4.1	0.0	89.2	1.7	0.6	0.0	0.1	0.0	790.8	0.00212	103.38
1975	33.4	75.0	85.1	47.7	0.0	582.5	1.8	0.0	99.8	1.1	0.4	0.0	0.1	0.0	936.9	0.00200	106.54
1976	35.5	61.4	73.4	41.0	1.3	656.2	1.3	0.0	105.8	0.9	0.2	0.0	0.1	0.0	1033.3	0.00223	115.60
1977	36.5	64.8	62.3	59.7	20.1	611.0	1.0	0.0	116.4	0.2	0.1	0.0	0.0	0.0	1016.0	0.00220	117.43
1978	37.6	82.4	61.4	47.8	24.3	605.2	1.5	0.0	115.8	0.5	0.1	0.0	0.0	0.0	1040.9	0.00226	125.11
1979	42.6	100.2	97.5	71.7	34.5	559.5	0.8	0.0	121.1	6.1	0.3	0.0	0.0	0.0	1060.6	0.00234	133.15

MODELO DINAMICO PARA LA CAPITAL

CONSUMO FINAL POR FORMAS DE ENERGIA Y SU ESTRUCTURA
UNIDAD: MILES DE TON Y °

CONSUMO PER
CAPITA CONSUMO DE LA
CAPITAL

ANO	OLF	GASOLLA	CASO A	CASO B	CASO C	FUELO	RESIRM	GASNAT	ELECTR	MULLA	ANTRAC	LIGNIT	COQUE	AGLONE	TOTAL	PER CAPITA	DE LA CAPITAL
1981	0.0	12.0	12.0	0.1	0.7	83.2	0.1	0.0	15.3	0.0	0.0	0.0	0.0	0.0	138.0	0.00237	138.60
1982	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	0.00257	0.0
1983	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	0.00271	0.0
1984	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	0.00282	0.0
2000	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	0.00291	0.0

FINC

MODELO ESTADISTICO PARA LA PROVINCIA

CONSUMO FINAL POR FORMAS DE ENERGIA Y SU ESTRUCTURA
 UNIDAD: MILES DE TONELADAS

CONSUMO PER CAPITA
 CONSUMO DE LA CAPITAL

ANU	GLP	GASINA	GASO A	GASO B	GASO C	FUELOS	RESIPP	GASINAT	ELECTR	MULLA	ANTRAC	LIGNIT	COQUE	AGLOME	TOTAL	PER CAPITA	DE LA CAPITAL
1971	120.0	239.7	200.7	48.0	0.0	600.0	41.3	0.0	23.0	403.3	44.2	7.1	385.1	1.0	2397.8	0.00137	870.44
1972	9.0	10.0	10.0	1.0	0.0	25.0	1.7	0.0	10.0	10.0	2.3	0.1	16.1	0.0	0.0	0.0	0.0
1973	181.6	262.9	262.2	46.3	0.0	680.7	46.8	0.0	260.0	390.6	60.2	6.4	406.3	0.1	2563.3	0.00144	938.51
1974	5.5	10.3	10.2	1.8	0.0	26.6	1.6	0.0	10.1	15.2	2.3	0.2	16.9	0.0	0.0	0.0	0.0
1975	145.4	300.0	250.8	51.3	0.0	772.9	48.0	0.0	230.0	415.7	52.8	5.0	300.8	0.0	2807.1	0.00158	1027.55
1976	8.1	10.0	10.0	1.0	0.0	28.8	1.7	1.0	10.5	14.0	2.0	0.2	14.3	0.0	0.0	0.0	0.0
1977	152.9	349.8	331.8	58.5	0.0	887.1	57.0	428.4	324.5	412.6	56.4	4.4	370.0	0.4	3440.3	0.00187	1259.04
1978	8.0	10.0	5.6	1.7	0.0	25.8	1.7	12.5	9.5	12.0	1.6	0.1	10.8	0.0	0.0	0.0	0.0
1979	180.0	353.0	343.9	60.5	0.0	975.2	56.3	0.0	337.5	378.8	51.6	2.3	409.5	0.9	3137.5	0.00170	1162.60
1980	8.1	11.0	10.0	1.0	0.0	30.7	1.8	0.0	11.3	12.1	1.7	0.1	12.9	0.0	0.0	0.0	0.0
1981	172.7	356.8	366.8	64.2	0.0	973.8	55.8	0.0	366.6	418.9	69.0	1.8	413.3	0.7	3300.2	0.00173	1207.24
1982	5.2	12.0	11.1	1.9	0.0	29.5	1.7	0.0	11.1	12.7	2.1	0.1	12.6	0.0	0.0	0.0	0.0
1983	184.8	423.0	357.0	53.2	11.8	1016.3	51.3	0.0	423.0	355.0	43.1	1.0	308.0	0.8	4618.0	0.00176	1250.18
1984	8.0	12.0	10.0	2.0	0.1	30.3	1.6	0.0	12.0	11.3	1.3	0.0	11.9	0.0	0.0	0.0	0.0
1985	201.5	441.9	348.4	108.6	11.3	1036.4	52.9	0.0	456.3	362.1	34.8	1.0	349.6	0.8	3447.4	0.00175	1260.06
1986	5.0	12.8	10.0	3.2	0.9	30.1	1.7	0.0	13.2	10.5	1.0	0.0	10.7	0.0	0.0	0.0	0.0
1987	200.3	473.3	353.9	131.3	41.6	1014.9	61.5	0.0	473.3	355.0	41.3	0.5	310.0	0.5	4688.0	0.00178	1272.97
1988	8.0	13.0	10.0	3.0	1.2	29.1	1.6	0.0	13.0	10.2	1.3	0.0	9.3	0.0	0.0	0.0	0.0
1989	210.9	497.3	368.7	141.2	53.5	1027.7	63.8	0.0	511.7	322.6	29.0	0.6	344.7	0.2	3539.8	0.00176	1267.18
1990	6.1	13.9	10.3	3.9	1.5	28.7	1.8	0.0	14.3	9.0	0.2	0.0	9.6	0.0	0.0	0.0	0.0

-----MODELO DINAMICO PARA LA CAPITAL-----

CONSUMO FINAL POR FORMAS DE ENERGIA Y SU ESTRUCTURA
UNIDAD: MILES DE TON Y Y

CONSUMO PER
CAPITA CONSUMO
DE LA
CAPITAL

ANO	LP	GASNA	LASO A	LASO B	GASO C	FUELCI	RESIPP	GASNAT	ELECTR	HULLA	ANTRAC	LIGNIT	COQUE	AGLONE	TOTAL	CONSUMO PER CAPITA	CONSUMO DE LA CAPITAL
1980	75.0	163.2	181.3	46.1	12.2	416.5	23.1	13.4	129.2	137.8	15.5	0.0	131.9	0.2	1377.1	0.00183	1377.11
1981	77	137	161.3	31.2	0.3	30.2	167	130	12.4	34.0	34.0	1.1	0.0	2.0	0.0		
1982	21.0	215.0	154.1	54.7	16.9	480.3	26.6	13.0	214.3	130.6	13.9	0.0	130.5	0.1	1549.3	0.00190	1549.29
1983	5.7	13.9	10.2	3.5	1.1	31.0	1.7	0.8	14.1	8.4	0.9	0.0	8.4	0.0			
1984	131.0	247.3	178.2	64.0	21.4	543.9	29.5	13.0	151.0	130.2	12.7	0.0	130.8	0.1	1723.0	0.00185	1723.83
1985	0.0	13.3	10.2	3.0	1.2	31.0	1.7	0.0	14.0	7.0	0.7	0.0	7.0	0.0			
1986	115.4	210.5	193.1	75.1	26.0	609.8	32.5	13.1	286.2	130.8	11.6	0.0	132.1	0.1	1906.4	0.00199	1906.44
1987	6.1	14.7	10.1	3.5	1.4	32.0	1.7	0.7	15.0	6.9	0.6	0.0	6.9	0.0			
1988	126.5	315.4	214.2	69.9	30.0	679.2	35.0	13.0	322.4	132.2	10.6	0.0	134.2	0.1	2100.3	0.00202	2100.23
1989	0.1	15.0	10.1	4.1	1.5	32.3	1.7	0.0	15.3	6.3	0.5	0.0	6.4	0.0			

MODELO DINAMICO DE CONTAMINACION ATMOSFERICA POTENCIAL

UNIDAD = TONELADAS

AÑO	ELP	GASOLNA	GASO A	GASO B	GASO C	FUELEL	RESIDUO	GASOAT	ELCCIN	HULLA	ANTRAC	LIGNIT	COQUE	AGLOM	TOTAL
1960 S02	0	242	1130	354	146	14584	41	0	0	3188	371	0	1388	3	21437
1960 PSE	14	121	471	147	2	1166	47	0	0	3985	1392	0	1386	3	8746
1960 NCL	75	2165	6407	2409	24	2333	110	25	0	398	77	0	416	0	14937
1960 CO	0	28318	1812	443	0	0	0	0	0	0	0	0	0	0	60170
1965 S02	0	246	1264	437	203	16818	45	0	0	3135	314	0	1373	3	23883
1965 PSE	21	144	527	182	3	1345	53	0	0	3919	1253	0	1373	2	9621
1965 NCL	86	2436	7167	2481	33	2691	123	25	0	391	69	0	412	0	15914
1965 CO	0	66806	1561	647	0	0	0	0	0	0	0	0	0	0	70536
1970 S02	0	327	1401	518	257	19045	44	0	0	3124	304	0	1376	3	26396
1970 PSE	24	164	583	216	4	1623	56	0	0	3905	1142	0	1376	2	8697
1970 NCL	86	2403	7942	2439	42	3047	137	25	0	390	63	0	412	0	17898
1970 CO	0	79148	1751	648	0	0	0	0	0	0	0	0	0	0	81543
1975 S02	0	274	1544	600	311	21350	43	0	0	3139	278	0	1390	3	25032
1975 PSE	27	167	643	254	5	1708	65	0	0	3924	1044	0	1390	2	9245
1975 NCL	104	3179	8754	3406	51	3436	151	25	0	392	58	0	417	0	19957
1975 CO	0	85765	1911	751	0	0	0	0	0	0	0	0	0	0	92451
2000 S02	0	426	1697	686	367	23783	47	0	0	3172	254	0	1412	2	31880
2000 PSE	30	216	707	246	6	1992	71	0	0	3965	952	0	1412	2	9543
2000 NCL	122	3674	9616	3892	61	3805	167	25	0	396	52	0	423	0	22135
2000 CO	0	101531	2121	858	0	0	0	0	0	0	0	0	0	0	101531

LINE VAL

MODELO ESTADISTICO PARA LA PROVINCIA

CONSUMO FINAL POR FORMAS DE ENERGIA Y SU ESTRUCTURA
 UNIDAD: MILL. DE TON. Y °C

CONSUMO PER
CAPITA

CONSUMO DE LA
CAPITAL

AN.	GLP	CASAA	GASO A	GASO B	GASO C	FULLOI	RESIPP	GASNAT	ELECTR	HULLA	ANTRAC	LIGNIT	COQUE	AGLOME	TOTAL	PER CAPITA	DE LA CAPITAL
1975	26.0	59.0	73.0	53.5	0.0	162.2	7.0	0.0	122.5	12.0	18.1	0.0	1.3	5.5	591.2	0.00132	101.56
1971	29.0	60.2	70.0	55.0	0.0	206.1	9.2	0.0	125.0	5.0	17.1	0.0	3.7	4.9	591.0	0.00142	139.07
1972	31.0	69.0	81.0	58.0	0.0	232.0	9.0	0.0	133.5	2.2	13.2	0.0	3.8	4.5	633.0	0.00153	162.00
1973	38.8	77.1	95.8	69.4	0.0	263.3	12.0	0.0	166.5	3.1	12.0	0.0	3.4	4.2	741.7	0.00173	444.83
1974	36.1	75.0	86.3	63.5	0.0	283.0	11.5	0.0	207.1	1.2	10.7	0.0	3.0	3.1	736.1	0.00180	162.50
1975	31.0	67.8	94.0	67.9	0.0	282.3	6.7	0.3	192.1	1.7	7.8	0.0	2.8	2.9	766.6	0.00178	493.62
1976	43.1	96.0	109.1	76.8	0.0	323.0	11.5	0.0	202.1	0.0	3.0	0.0	3.5	1.1	891.0	0.00196	365.62
1977	41.8	102.0	108.8	73.7	54.8	348.3	3.9	0.0	209.1	0.1	2.9	0.0	4.2	1.1	956.0	0.00209	628.05
1978	46.4	110.0	107.7	82.8	11.4	401.7	2.8	0.0	215.0	0.1	2.1	0.0	5.3	0.1	1054.2	0.00226	707.94
1979	45.7	116.7	111.9	103.8	22.7	333.7	3.3	0.0	226.0	0.2	2.2	0.0	3.8	1.0	1031.0	0.00219	768.00

MODELO ESTADÍSTICO DE CONTAMINACIÓN ATMOSFÉRICA POTENCIAL

UNIDAD: TONELADAS

AÑO	ULF	GASOLINA	GASO I	GASO II	GASO III	PUERTO	RESIDU	RESIDU II	ELECTR	HULLA	ANTRAC	LEÑA I	LEÑA II	ALCOHOL	TOTAL
1970	502	0	12	591	428	0	5879	10	0	297	434	0	34	158	7701
1970	PSI	0	36	246	176	0	454	15	0	371	1629	0	34	130	3699
1970	NLA	24	618	3382	2427	0	908	36	0	37	90	0	10	14	7521
1970	CO	0	174.71	737	535	0	0	0	0	0	0	0	0	0	10795
1971	502	0	80	808	440	0	7214	12	0	120	410	0	38	117	9039
1971	PSI	7	40	253	181	0	577	18	0	150	1539	0	36	97	2902
1971	NLA	28	681	3447	2495	0	1154	42	0	15	85	0	11	14	7972
1971	CO	0	19296	760	550	0	0	0	0	0	0	0	0	0	20558
1972	502	0	86	649	470	0	6144	13	0	52	340	0	39	108	9901
1972	PSI	7	43	270	195	0	651	14	0	65	1277	0	30	90	2656
1972	NLA	30	736	3678	2665	0	1302	45	0	6	70	0	11	13	6557
1972	CO	0	20723	611	587	0	0	0	0	0	0	0	0	0	22181
1973	502	0	102	760	555	0	9219	16	0	74	288	0	39	100	11155
1973	PSI	8	51	319	231	0	737	24	0	93	1080	0	35	83	2661
1973	NLA	23	673	4345	3146	0	1475	56	0	9	60	0	10	12	10621
1973	CO	0	25071	958	694	0	0	0	0	0	0	0	0	0	26323
1974	502	0	104	786	571	0	9924	15	0	28	244	0	31	86	11649
1974	PSI	8	52	294	213	0	793	23	0	35	917	0	31	72	2436
1974	NLA	34	684	4005	2896	0	1567	53	0	3	50	0	9	10	9531
1974	CO	0	24960	883	639	0	0	0	0	0	0	0	0	0	26962
1975	502	0	111	752	543	0	9584	11	0	40	187	0	21	69	11631
1975	PSI	9	58	313	226	0	790	17	0	50	702	0	28	57	2254
1975	NLA	36	694	4245	3080	0	1581	40	0	5	39	0	8	8	10654
1975	CO	0	26160	940	679	0	0	0	0	0	0	0	0	0	29699
1976	502	0	128	853	614	282	11209	4	0	19	72	0	46	26	13258
1976	PSI	9	64	355	255	5	896	9	0	24	270	0	42	22	1555
1976	NLA	39	1058	4834	3981	47	1793	22	0	2	15	0	14	3	11338
1976	CO	0	30720	1066	767	0	0	0	0	0	0	0	0	0	32553
1977	502	0	138	870	669	655	12054	5	0	2	69	0	43	26	14524
1977	PSI	9	68	362	276	12	964	7	0	3	260	0	42	22	2028
1977	NLA	39	1156	4930	3794	105	1928	18	0	0	14	0	13	3	12604
1977	CO	0	32040	1087	836	0	0	0	0	0	0	0	0	0	35503
1978	502	0	147	881	742	856	14064	4	0	2	55	0	57	2	16784
1978	PSI	10	73	364	305	16	1120	6	0	3	207	0	57	2	2164
1978	NLA	42	1252	4952	4209	142	2250	13	0	0	11	0	17	0	12614
1978	CO	0	35370	1176	728	0	0	0	0	0	0	0	0	0	37373
1979	502	0	155	894	830	991	11634	4	0	4	52	0	55	24	14678
1979	PSI	10	77	375	345	16	934	6	0	3	197	0	54	20	2024
1979	NLA	42	1322	5072	4705	165	1669	15	0	0	10	0	11	3	13215
1979	CO	0	37350	1119	1037	0	0	0	0	0	0	0	0	0	39499

SERIES DE DATOS

-MODELO DINAMICO PARA LA CAPITAL-

CONSUMO FINAL POR FORMAS DE ENERGIA Y SU ESTRUCTURA
UNIDAD = MILES DE TONELADAS

CONSUMO PER
CAPITA CONSUMO DE LA
CAPITAL

AÑO	GLP	GASOLNA	GASO A	GASO B	GASO C	FUELOS RESIDUOS	GAS NAT	ELECTR	HULLA	ANTRAC	LIGNIT	COQUE	AGLOME	TOTAL	PER CAPITA	DE LA CAPITAL	
1980	36.2	72.2	78.9	64.0	17.8	268.8	1.5	0.0	14.8	0.0	0.0	0.0	2.9	0.0	729.4	0.00218	729.43
1985	32.9	101.6	95.3	79.9	64.2	343.3	2.4	0.0	207.3	0.0	0.0	0.0	3.3	0.0	931.2	0.00233	931.15
1991	36.7	127.3	113.2	78.1	82.0	431.2	1.2	0.0	276.6	0.0	0.0	0.0	3.2	0.0	1103.2	0.00284	1103.15
1995	52.0	157.5	136.5	119.5	110.1	534.6	0.0	0.0	314.6	0.0	0.0	0.0	4.4	0.0	1436.2	0.00293	1436.17
2000	71.2	193.2	162.0	135.7	123.7	656.2	0.0	0.0	383.1	0.0	0.0	0.0	5.1	0.0	1766.4	0.00280	1766.56

PROVINCIA DE VICARIA

MODELO ESTADISTICO PARA LA PROVINCIA

CONSUMO FINAL POR FORMAS DE ENERGIA Y SU ESTRUCTURA

UNIDAD: CIENTOS DE TEP Y T

CONSUMO PER CAPITA CONSUMO DE LA CAPITAL

ANO	GLP	CASMA	GASO A	GASO B	GASO C	FUELOS	RESIPP	GASNAT	ELECTR	NULLA	ANTRAC	LIGNIT	COQUE	AGLOME	TOTAL	PER CAPITA	DE LA CAPITAL
1970	37.6	111.9	106.2	100.0	0.0	991.7	18.3	0.0	807.1	1948.8	83.0	1.6	576.1	0.1	4751.0	0.00418	1678.69
1971	2.2	2.9	3.4	2.6	0.0	22.0	0.3	0.0	9.7	32.8	1.4	0.0	22.2	0.0	61.0	0.000413	1683.62
1972	10.0	141.0	184.7	151.3	0.0	1212.4	18.0	0.0	810.3	1881.0	63.7	0.3	572.5	0.1	4733.8	0.00417	1680.78
1973	2.8	3.4	4.2	2.8	0.0	26.3	0.5	0.0	10.7	29.1	1.3	0.0	18.9	0.0	4765.0	0.00436	1614.21
1974	143.8	165.0	203.8	135.0	0.0	1430.0	13.6	0.0	476.8	1325.9	63.1	0.0	487.1	0.0	5122.3	0.00461	1738.09
1975	2.8	3.4	4.2	2.8	0.0	26.3	0.5	0.0	10.7	29.1	1.3	0.0	18.9	0.0	4765.0	0.00436	1614.21
1976	127.7	126.9	202.3	139.9	0.0	1387.6	19.3	0.0	536.4	1431.6	56.0	0.0	497.9	0.0	4953.1	0.00437	1458.02
1977	146.7	200.9	203.8	153.3	0.0	1362.8	20.8	0.0	501.5	1281.8	71.0	0.0	721.0	0.0	4711.3	0.00407	1752.63
1978	135.4	210.9	183.6	159.9	95.5	1318.6	25.5	0.0	565.0	1235.4	48.9	0.0	825.7	0.0	4774.6	0.00404	1758.80
1979	130.4	227.2	188.8	115.9	1386.1	23.7	0.0	572.8	1130.7	73.7	0.0	889.1	0.0	4690.0	0.00366	1695.69	
1979	134.2	226.9	151.0	201.9	125.4	1372.3	24.8	0.0	588.6	1090.2	14.7	0.0	709.6	0.0	4639.8	0.00379	1677.67

MODELO ESTADICO DE CONTAMINACION ATMOSFERICA POTENCIAL
 UNIDAD = TONELADAS

AÑO	CLF	PASLKA	GASO A	GASO B	GASO C	FUELOI	DETRP	CASAT	ELECTR	HULLA	AMTRAT	LIGNI	CCQU	AGLON	TOTAL	
1970	SC2	0	148	1201	400	0	34724	19	0	0	34771	1656	239	10274	16	83848
1970	PS1	19	74	600	333	0	2777	26	0	0	43464	6210	191	10274	13	63683
1970	NLY	79	1261	6806	4835	0	6665	66	0	0	4346	345	0	3082	2	26688
1970	LU	0	35163	1501	1100	0	0	0	0	0	0	0	0	0	0	36164
1971	SC2	0	161	1228	583	0	33489	70	0	0	34159	1454	45	10158	1	81706
1971	PS1	22	83	551	361	0	2679	38	0	0	42699	5454	36	10158	1	62603
1971	NLY	85	1419	7527	5016	0	5368	70	0	0	4269	303	1	3047	0	27101
1971	LU	0	40066	1600	1106	0	0	0	0	0	0	0	0	0	0	42846
1972	SC2	0	189	1479	908	0	42694	24	0	0	35076	1519	29	10236	2	92834
1972	PS1	24	94	616	410	0	3415	37	0	0	44605	5697	23	10236	2	65149
1972	NLY	96	1406	8334	5589	0	6831	86	0	0	4459	316	1	3071	0	40441
1972	LU	0	45360	1199	1232	0	0	0	0	0	0	0	0	0	0	48441
1973	SC2	0	217	1594	1083	0	43719	31	0	0	33247	1522	4	9483	0	90856
1973	PS1	31	108	664	443	0	3497	47	0	0	41559	5732	3	9453	0	61537
1973	NLY	126	1451	9027	6024	0	6495	110	0	0	4155	318	0	2636	0	31451
1973	LU	0	52271	1593	1329	0	0	0	0	0	0	0	0	0	0	55591
1974	SC2	0	229	163	1087	0	53509	26	0	0	31021	1663	0	10390	0	100411
1974	PS1	34	112	679	463	0	4265	46	0	0	10724	6237	0	10390	0	62605
1974	NLY	138	1415	9241	6160	0	8571	61	0	0	3077	346	0	3117	0	33556
1974	LU	0	58095	2038	1359	0	0	0	0	0	0	0	0	0	0	67492
1975	SC2	0	249	1671	1119	0	41104	25	0	0	34358	1365	0	9491	0	45424
1975	PS1	30	124	697	466	0	3374	38	0	0	42988	5120	0	9451	0	62648
1975	NLY	121	2113	9480	6344	0	7545	90	0	0	4294	284	0	2835	0	33116
1975	LU	0	53664	2192	1359	0	0	0	0	0	0	0	0	0	0	63154
1976	SC2	0	267	1678	1226	466	43709	27	0	0	30769	158	0	1684	0	40467
1976	PS1	31	133	699	510	6	3816	41	0	0	38454	2844	0	7589	0	54125
1976	NLY	125	2272	9513	6949	75	7633	97	0	0	3245	158	0	2276	0	32944
1976	LU	0	64173	2094	1532	0	0	0	0	0	0	0	0	0	0	67005
1977	SC2	0	281	1463	1275	1146	46169	34	0	0	29649	453	0	1691	0	49170
1977	PS1	32	140	611	533	21	3693	41	0	0	32061	1700	0	8691	0	65334
1977	NLY	128	239	8323	7246	191	7347	119	0	0	3206	94	0	2407	0	32193
1977	LU	0	67488	1813	1539	0	0	0	0	0	0	0	0	0	0	70922
1978	SC2	0	299	1930	1478	1391	46554	31	0	0	27136	424	0	7253	0	67893
1978	PS1	32	146	554	615	25	3664	47	0	0	33020	1592	0	7253	0	46470
1978	NLY	125	2517	7541	8377	231	7768	110	0	0	3102	88	0	2176	0	32329
1978	LU	0	71066	1604	1847	0	0	0	0	0	0	0	0	0	0	74599
1979	SC2	0	302	1298	1615	1504	42045	33	0	0	26164	352	0	7469	0	66692
1979	PS1	31	151	513	673	27	3843	45	0	0	32715	1322	0	7469	0	46273
1979	NLY	127	2572	6897	9152	250	7607	115	0	0	3270	73	0	2240	0	32331
1979	LU	0	12025	1510	2017	0	0	0	0	0	0	0	0	0	0	76152

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CONSOLIDADO DE CUENTAS DE GASTOS Y PRODUCTOS

PERDIDO DINAMICO PARA LA CAPITAL

CONSUMO FINAL POR FORMAS DE ENERGIA Y SU ESTRUCTURA
UNIDAD: MILES DE TONELADAS

CONSUMO PER
CAPITA
CONSUMO DE LA
CAPITAL

AÑO	CEL	CASAA	CASO A	CASO B	CASO C	FULLOI	RESIPP	GASNAT	ELECTR	MULLA	ANTRAC	LIGNIT	COQUE	AGLONE	TOTAL	CONSUMO PER CAPITA	CONSUMO DE LA CAPITAL
1980	54.5	83.9	70.0	67.2	32.1	541.7	7.4	0.0	21.3	437.8	8.7	0.0	76.0	0.0	1805.8	0.00400	1805.38
1985	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	0.00400	0.0
1991	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	0.00395	0.0
1992	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	0.00392	0.0
2000	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	0.00389	0.0

MODELO DINAMICO DE CONTAMINACION ATMOSFERICA POTENCIAL
 UNIDAD 5 JOJELADAS

AÑO	ELP	GASICA	GASO A	GASO C	FUELOS	RESIDU	GASNET	ELECTR	HULLA	ANTHAC	LIGNIT	CEQUI	ADICNE	TOTAL		
1980	502	0	111	560	537	385	16773	17	0	0	10555	209	0	2905	0	34253
1980	PSE	1	55	235	224	7	1517	18	0	0	13194	787	0	2905	0	16954
1980	NLY	51	451	3204	3046	64	3035	43	0	0	1319	43	0	871	0	12632
1980	LD	0	26161	707	672	0	0	0	0	0	0	0	0	0	0	28290
1985	502	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1985	PSE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1985	NLY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1985	LD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1990	502	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1990	PSE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1990	NLY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1990	LD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1995	502	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1995	PSE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1995	NLY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1995	LD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	502	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	PSE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	NLY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	LD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

ESTADÍSTICA DE CONSUMO

MODELO ESTADÍSTICO PARA LA PROVINCIA

CONSUMO FINAL POR FORMAS DE ENERGÍA Y SU ESTRUCTURA

UNIDAD: MILES DE TONELADAS

CONSUMO PER
CAPITA

CONSUMO DE LA
CAPITAL

ANOS CASO A CASO B CASO C FULLOI-RESIPP GASNAT ELECTR HULLA-ANTRAC LIGNIT COQUE AGLONE TOTAL

ANOS	CASO A	CASO B	CASO C	FULLOI-RESIPP	GASNAT	ELECTR	HULLA-ANTRAC	LIGNIT	COQUE	AGLONE	TOTAL	CONSUMO PER CAPITA	CONSUMO DE LA CAPITAL				
1971	20.5	35.9	19.0	0.0	12.9	1.5	0.0	18.2	27.7	10.0	0.0	2.3	0.0	197.5	0.00086	27.32	
1972	12.5	24.0	12.5	0.0	8.7	1.0	0.0	8.3	18.2	6.5	0.0	1.8	0.0				
1973	11.1	22.9	39.4	21.1	0.0	25.6	1.0	0.0	12.9	15.7	6.8	0.0	2.7	0.0	161.4	0.00063	30.90
1974	6.9	18.2	24.4	13.2	0.0	15.8	0.7	0.0	8.0	0.7	5.5	0.0	1.6	0.0			
1975	13.7	25.1	46.9	25.0	0.0	38.0	1.0	0.0	18.1	11.8	8.3	0.0	2.8	0.0	182.8	0.00073	36.16
1976	8.5	17.9	25.7	13.8	0.0	18.9	1.0	0.0	7.7	6.2	8.8	0.0	1.5	0.0			
1977	1.0	30.0	45.3	24.3	0.0	38.7	1.9	0.0	16.3	4.7	12.5	0.0	2.7	0.0	189.2	0.00077	36.65
1978	6.7	15.9	23.5	12.6	0.0	20.5	1.0	0.0	8.6	2.5	6.6	0.0	1.4	0.0			
1979	16.5	30.9	48.8	23.8	0.0	31.0	1.8	0.0	18.9	7.6	7.3	0.0	2.6	0.1	187.3	0.00078	35.53
1980	6.7	18.8	23.7	12.7	0.0	22.0	1.0	0.0	8.8	1.3	8.2	0.0	1.4	0.1			
1981	13.3	35.3	49.8	26.8	0.0	36.4	1.3	0.0	18.5	2.3	5.5	0.0	2.2	0.0	191.4	0.00081	41.74
1982	6.7	18.4	26.1	14.0	0.0	19.0	0.7	0.0	9.7	1.2	2.9	0.0	1.1	0.0			
1983	13.0	30.5	49.5	25.9	0.0	33.1	1.0	0.0	20.7	0.3	1.5	0.0	2.1	0.0	212.9	0.00097	47.91
1984	8.1	17.0	23.8	16.3	0.0	20.3	0.5	0.0	9.4	0.1	0.1	0.0	1.0	0.0			
1985	13.5	43.0	45.1	38.4	10.0	69.1	0.8	0.0	22.0	0.1	0.0	0.0	3.7	0.0	246.3	0.00110	57.65
1986	6.2	17.3	18.4	15.5	4.0	27.8	0.3	0.0	8.8	0.0	0.0	0.0	1.5	0.0			
1987	18.1	36.7	51.3	42.5	15.1	72.5	0.5	0.0	21.8	0.2	0.0	0.0	3.1	0.0	269.1	0.00121	69.18
1988	6.1	17.5	17.1	16.0	5.7	21.0	1.0	0.0	8.3	0.1	0.0	0.0	1.5	0.0			
1989	1.7	17.5	50.1	48.4	44.7	18.3	0.5	0.0	24.8	0.1	0.0	0.0	5.3	0.0	268.2	0.00124	66.24
1990	6.2	18.7	18.1	16.7	6.8	21.8	0.2	0.0	9.2	0.0	0.0	0.0	2.0	0.0			

PROVINCIA ZANORA

MODELO DINAMICO PARA LA CAPITAL

CONSUMO FINAL POR FORMAS DE ENERGIA Y SU ESTRUCTURA

CONSUMO PER CAPITA CONSUMO DE LA CAPITAL

AÑO	UEP	BASENA	CASO A	CASO B	CASO C	FUELOS	RESIPP	GASNAI	ELECTR	HULLA	ANTRAC	LIGNIT	COQUE	AGLOME	TOTAL	PER CAPITA	DE LA CAPITAL
1980	3.8	11.8	11.8	3.8	2.1	15.8	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	60.8	0.00113	60.80
1981	6.3	15.2	15.2	6.3	3.5	21.1	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	60.8	0.00113	60.80
1982	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	0.00124	0.00
1983	0.1	18.4	17.8	15.5	4.6	26.8	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	60.8	0.00124	60.80
1984	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	0.00131	0.00
1985	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	0.00137	0.00
1986	0.2	18.6	15.9	15.5	5.5	28.4	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	60.8	0.00137	60.80
1987	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	0.00142	0.00
1988	0.4	18.0	15.2	15.5	5.0	29.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	60.8	0.00142	60.80

PROVINCIA PANAMAZA

MODELO ESTADISTICO PARA LA PROVINCIA

CONSUMO FINAL POR FORMAS DE ENERGIA Y SU ESTRUCTURA
UNIDAD: MILLES DE TEE Y T

CONSUMO PER CAPITA
CONSUMO DE LA CAPITAL

AÑO	LLP	GASLNA	GASO A	GASO B	GASO C	FULLOI	RESIPP	GASNAT	ELECTR	MULLA	ANTRAC	LIGNIT	COQUE	AGLONE	TOTAL	CONSUMO PER CAPITA	CONSUMO DE LA CAPITAL
1970	31.7	90.8	149.1	63.9	0.0	273.0	13.7	0.0	120.1	29.0	11.9	17.0	11.8	0.3	715.7	0.00121	558.09
1971	57.6	102.7	154.5	66.4	0.0	294.9	14.5	0.0	126.0	22.5	50.7	33.5	8.5	0.1	943.9	0.00124	508.01
1972	66.0	117.8	171.5	71.5	0.0	322.0	15.8	0.0	137.0	21.5	48.3	15.0	7.9	0.2	1021.8	0.00133	646.85
1973	69.8	135.0	194.8	82.7	0.0	426.8	17.5	0.0	167.0	18.5	65.5	3.1	8.6	0.1	1188.6	0.00154	763.57
1974	71.8	134.8	189.5	80.5	0.0	475.8	18.1	0.0	181.2	7.2	68.5	0.1	5.5	0.1	1278.3	0.00158	800.55
1975	73.2	147.3	191.3	81.2	0.0	454.4	12.2	0.0	179.2	5.0	64.3	0.4	6.9	0.4	1215.6	0.00155	803.86
1976	76.5	159.8	211.5	103.9	0.0	451.5	11.3	0.0	176.3	1.2	45.0	0.6	24.6	0.1	1351.9	0.00171	806.78
1977	81.0	170.4	226.8	122.7	0.0	451.4	8.1	0.0	202.7	3.0	33.8	0.7	20.4	0.0	1399.8	0.00175	953.00
1978	89.5	184.1	225.2	126.5	0.0	447.7	6.0	0.0	215.5	1.0	42.8	0.0	17.5	0.0	1449.1	0.00179	1002.02
1979	97.5	196.0	226.8	130.3	0.0	426.7	7.0	0.0	226.0	1.7	35.0	0.4	24.0	0.1	1396.0	0.00171	686.17

MODELO ESTÁTICO DE CONTAMINACION ATMOSFERICA POTENCIAL

UNIDAD = TONELADAS

ANO	ULP	VASCA	GASO A	GASO E	GASO C	FUELOS	RESIDU	CASNAI	ELECTR	MULLA	ANTRAC	LIGNIT	COQUE	AULONE	TOTAL	
1970	SCC	0	127	1192	511	0	9579	18	0	0	578	1533	5647	123	7	19313
1970	PSL	12	64	496	213	0	766	27	0	0	720	5750	4517	123	6	12694
1970	NLY	45	1096	6759	2496	0	1632	63	0	0	72	319	225	37	0	13048
1970	LO	0	80211	1890	635	0	0	0	0	0	0	0	0	0	0	13089
1971	SCC	0	138	1237	531	0	10324	17	0	0	540	1216	5025	68	2	19122
1971	PSL	13	67	516	221	0	825	29	0	0	675	4562	4020	98	2	11020
1971	NLY	54	1174	7624	3012	0	1651	67	0	0	67	253	201	26	0	13629
1971	LO	0	53166	1587	668	0	0	0	0	0	0	0	0	0	0	15381
1972	SCC	0	156	1771	508	0	11974	17	0	0	492	1159	2250	81	4	18114
1972	PSL	14	74	571	245	0	959	28	0	0	615	4347	1800	91	3	8741
1972	NLY	19	1531	7772	3332	0	1919	67	0	0	61	241	90	24	0	14894
1972	LO	0	37583	1714	735	0	0	0	0	0	0	0	0	0	0	40072
1973	SCC	0	180	1553	601	0	14944	23	0	0	444	1572	464	90	2	19935
1973	PSL	16	80	642	276	0	1195	35	0	0	555	5095	371	90	2	9472
1973	NLY	66	1536	8812	3746	0	2391	31	0	0	55	327	18	27	0	17053
1973	LO	0	43206	1958	826	0	0	0	0	0	0	0	0	0	0	45976
1974	SCC	0	179	1519	644	0	10659	18	0	0	223	1596	104	40	7	20995
1974	PSL	16	89	653	264	0	1332	28	0	0	279	5985	83	46	6	8765
1974	NLY	67	1528	8600	3651	0	2665	65	0	0	27	332	4	14	0	16961
1974	LO	0	43151	1687	805	0	0	0	0	0	0	0	0	0	0	45855
1975	SCC	0	191	1530	649	0	15909	16	0	0	120	1543	67	72	4	20111
1975	PSL	17	90	637	270	0	1272	24	0	0	150	5787	63	72	7	6387
1975	NLY	65	1665	8676	3678	0	2545	56	0	0	15	321	2	21	1	17047
1975	LO	0	47133	1912	811	0	0	0	0	0	0	0	0	0	0	49656
1976	SCC	0	213	1743	631	365	16877	15	0	0	180	1080	85	238	2	21533
1976	PSL	18	106	726	346	6	1384	20	0	0	125	4050	71	258	2	7076
1976	NLY	73	1810	9880	4712	66	2677	47	0	0	12	225	3	77	0	14596
1976	LO	0	51120	2177	1039	0	0	0	0	0	0	0	0	0	0	54335
1977	SCC	0	221	1814	681	678	15804	10	0	0	72	811	97	214	0	20928
1977	PSL	19	115	765	406	16	1264	16	0	0	90	3042	78	214	0	6015
1977	NLY	76	1431	10261	5562	149	2528	37	0	0	9	169	1	64	0	20809
1977	LO	0	54523	2267	1226	0	0	0	0	0	0	0	0	0	0	58021
1978	SCC	0	247	1706	1014	1189	15074	8	0	0	31	1022	150	188	0	21314
1978	PSL	20	122	744	422	21	1253	12	0	0	48	3634	120	188	0	6784
1978	NLY	86	2148	10126	5746	148	2567	26	0	0	4	213	6	56	0	21052
1978	LO	0	56591	2531	1267	0	0	0	0	0	0	0	0	0	0	62951
1979	SCC	0	261	1830	1040	1592	11559	5	0	0	40	840	87	252	2	21414
1979	PSL	26	136	762	438	24	1276	14	0	0	50	3156	83	262	2	5415
1979	NLY	83	2221	10370	5969	266	1841	32	0	0	5	175	2	72	0	20871
1979	LO	0	62315	2287	1303	0	0	0	0	0	0	0	0	0	0	66325

Informe de Contaminación Atmosférica

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MODELO DINAMICO PARA LA CAPITAL

CONSUMO FIJAL POR FORMAS DE ENERGIA Y SU ESTRUCTURA
UNIDAD: MILE4 DE TON Y 4

CONSUMO PER
CAPITA

CONSUMO DE LA
CAPITAL

ANU.	LP	GASO A	GASO B	GASO C	FUELOS	RESIPP	GASOAT	ELECTR	MULLA	ANTRAC	LIGNIT	COQUE	AGLOME	TOTAL	CONSUMO PER CAPITA	CONSUMO DE LA CAPITAL	
198	61.3	132.8	168.3	88.5	95.1	330.8	5.8	0.0	157.2	0.0	29.8	0.0	13.0	0.1	1043.8	0.00119	1043.43
1985	72.8	128.7	151.7	81.3	52.3	326.8	8.6	0.0	152.1	0.0	22.8	0.0	1.2	0.0	1244.3	0.00189	1244.29
199	85.2	171.7	222.5	125.0	108.0	461.3	7.2	0.0	220.8	0.0	23.7	0.0	19.8	0.0	1852.4	0.00196	1852.41
1991	97.2	228.3	255.6	188.3	133.8	531.3	1.8	0.0	256.7	0.0	21.1	0.0	23.3	0.0	1693.5	0.00202	1693.46
2000	111.1	261.2	292.6	173.0	105.6	609.7	0.8	0.0	276.7	0.0	18.2	0.0	27.4	0.0	1956.0	0.00207	1956.95

MODELO DINAMICO DE CONTAMINACION ATMOSFERICA POTENCIAL

UNIDAD: TONELLADAS

AÑO	ALP	PASLOR	BASE A	BASE B	BASE C	BASE D	RESIST	RESIST	ELECCIN	HULLA	ANTRAC	LIBONIT	CCQUE	ADICNE	TOTAL
1980	0	176	1314	690	661	17848	7	0	0	0	708	0	136	1	15539
1981	14	06	647	287	12	947	11	0	0	0	2643	0	136	1	4691
1982	54	1600	7447	3914	110	1895	27	0	0	0	147	0	41	0	15139
1983	0	4235	1442	263	0	0	0	0	0	0	0	0	0	0	4885
1985	0	214	1538	844	462	13925	5	0	0	0	634	0	170	0	18292
1986	17	107	641	352	17	1114	0	0	0	0	2377	0	170	0	4803
1987	68	1-24	8719	4787	160	2226	20	0	0	0	132	0	51	0	17509
1988	0	51501	1923	1056	0	0	0	0	0	0	0	0	0	0	59864
1993	0	254	1779	1007	1271	10151	4	0	0	0	569	0	206	0	21241
1994	26	127	741	419	23	1292	6	0	0	0	2136	0	206	0	4976
1995	86	2167	10085	5711	211	2584	14	0	0	0	116	0	61	0	21031
1996	0	1108	2624	1252	0	0	0	0	0	0	0	0	0	0	64671
1998	0	254	2045	1180	1605	16802	2	0	0	0	505	0	244	0	24468
1999	22	144	452	494	29	1488	3	0	0	0	1897	0	244	0	5174
2000	92	2542	11585	6720	267	2974	8	0	0	0	105	0	73	0	24372
2001	0	11759	2556	1482	0	0	0	0	0	0	0	0	0	0	75827
2002	0	346	2340	1383	1575	21331	0	0	0	0	437	0	267	0	28101
2003	26	174	475	576	36	1706	0	0	0	0	1641	0	267	0	3421
2004	106	2954	13265	7442	329	3412	1	0	0	0	51	0	86	0	24691
2005	0	4366	2926	1729	0	0	0	0	0	0	0	0	0	0	6223