



ABRIR BIBLIOGRAFÍA

ANEXO ESTADISTICO.

El apéndice estadístico que se presenta tiene un carácter complementario al conjunto de la investigación, y básico para el análisis del estudio de caso específico que concentra la mayor parte del mismo.

El anexo estadístico puede dividirse en cuatro partes perfectamente diferenciadas entre sí: en primer lugar, presentamos la información referente a distintos aspectos energéticos en el mundo, en general, y en América Latina, en particular (correspondería al capítulo VI); en segundo lugar, proporcionamos información sobre la estructura energética de los países que integran Mercosur, entre 1970- 1991, si bien sólo se presenta información continuada desde 1985 (complementaría el capítulo VII); en tercer lugar, en la parte más voluminosa del apéndice, incorporamos los préstamos y financiamientos otorgados a Itaipú desde 1976 hasta 1991, es la base informativa de la que se han obtenido los aspectos financieros vinculados a la represa (suplemento del capítulo X); y, por último, introducimos información relevante, en términos de potencia, de energía y de las vinculaciones comerciales que surgen de la puesta en explotación de la central hidroeléctrica (utilidades, resarcimientos, "royalties" y compensaciones), estos elementos conforman los puntos relevantes en materia de comercialización de energía (apoya al capítulo XI).

Los cuadros que se presentan responden a la siguiente ordenación:

ESTRUCTURA ENERGETICA MUNDIAL Y LATINOAMERICANA

- I Producción mundial de energía primaria.
- II Consumo mundial de energía primaria.
- III Consumo mundial *per cápita* de energía primaria.
- IV Consumo mundial de derivados del petróleo.
- V Oferta total de energía primaria en América Latina y el Caribe.
- VI Oferta total de energía secundaria en América Latina y el Caribe.
- VII Consumo total de derivados del petróleo en América Latina y el Caribe.

VIII Consumo final sectorial en América Latina y el Caribe.

ESTRUCTURA ENERGETICA EN MERCOSUR.

Estructura energética argentina.

- I Relación reservas producción.
- II Capacidad instalada de centrales eléctricas.
- III Producción de energía primaria.
- IV Producción de energía secundaria.
- V Oferta total de energía primaria.
- VI Oferta total de energía secundaria.
- VII Consumo final sectorial.
- VIII Consumo total de derivados del petróleo.
- IX Consumo final de energía primaria.
- X Consumo final de energía secundaria.

Estructura energética brasileña.

- I Relación reservas producción.
- II Capacidad instalada de centrales eléctricas.
- III Producción de energía primaria.
- IV Producción de energía secundaria.
- V Oferta total de energía primaria.
- VI Oferta total de energía secundaria.
- VII Consumo final sectorial.
- IX Consumo total de derivados del petróleo.
- X Consumo final de energía primaria.
- XI Consumo final de energía secundaria.

Estructura energética paraguaya.

- I Capacidad instalada de centrales eléctricas.
- II Producción total de energía primaria.
- III Producción total de energía secundaria.
- IV Oferta total de energía primaria.
- V Oferta total de energía secundaria.
- VI Consumo final sectorial
- VII Consumo total de derivados del petróleo.
- VIII Consumo final de energía primaria.
- IX Consumo final de energía secundaria.

Estructura energética uruguaya.

- I Capacidad instalada de centrales eléctricas.
- II Producción total de energía primaria.
- III Producción total de energía secundaria.
- IV Oferta total de energía primaria.
- V Oferta total de energía secundaria.
- VI Consumo final sectorial
- VII Consumo total de derivados del petróleo.
- VIII Consumo final de energía primaria.
- IX Consumo final de energía secundaria.

PRESTAMOS Y FINANCIAMIENTOS, 1976- 1991.

La estructura es anual, de modo que consta de 16 años, la repetición de los acreedores se debe a la permanente actualización de las cantidades prestadas como consecuencia de la inflación y de las variaciones en los tipos de cambio.

COMERCIALIZACION DE LA ENERGIA.

I Potencia contratada y adquirida por empresas.

II Potencia adquirida por país y potencia no contratada.

III Energía generada por empresas.

IV Energía generada por país.

V Energía desperdiciada, potencia adquirida, energía generada, energía potencial y factor de carga.

VI "Royalties", resarcimientos y compensación por la energía cedida.

VII Actualización de las cantidades percibidas.

IX "Royalties" al contado y aplazados, compensaciones al contado y aplazadas.

AREAS	PRODUCCION MUNDIAL DE ENERGIA PRIMARIA						PRODUCCION MUNDIAL DE ENERGIA PRIMARIA						PRODUCCION MUNDIAL DE ENERGIA PRIMARIA					
	(Millones de BEP)						(Porcentaje sobre la región)						(Porcentaje sobre el mundo)					
	1970	1975	1980	1985	1990	1991	1970	1975	1980	1985	1990	1991	1970	1975	1980	1985	1990	1991
A.LATINA Y CARIBE																		
Petróleo	2.122,2	1.768,3	2.381,6	2.653,3	2.911,4	3.023,6	66,40%	60,92%	62,62%	59,60%	59,36%	59,66%	12,36%	8,92%	10,62%	12,98%	12,69%	13,29%
Gas natural	463,5	453,7	629,9	706,0	812,7	824,8	14,50%	15,63%	16,56%	15,86%	16,57%	16,27%	6,79%	5,64%	6,54%	6,44%	6,24%	6,21%
Electricidad	57,2	98,5	149,1	258,4	292,6	300,6	1,79%	3,39%	3,92%	5,80%	5,97%	5,93%	12,97%	9,56%	8,61%	8,11%	6,96%	6,85%
Carbón	45,1	52,7	62,1	107,4	171,3	185,3	1,41%	1,82%	1,63%	2,41%	3,49%	3,66%	0,36%	0,39%	0,40%	0,60%	0,90%	0,99%
Biomasa	508,0	529,3	580,7	726,7	716,4	733,7	15,89%	18,24%	15,27%	16,32%	14,61%	14,48%	15,42%	15,47%	15,05%	18,03%	17,47%	17,80%
TOTAL	3.196,0	2.902,5	3.803,4	4.451,8	4.904,4	5.068,0	100,00%	100,00%	100,00%	100,00%	100,00%	100,00%	7,96%	6,35%	7,17%	7,89%	7,76%	8,01%
ESTADOS UNIDOS																		
Petróleo	3.873,0	3.414,8	3.488,3	3.608,6	3.030,7	3.061,0	36,04%	32,69%	30,19%	30,97%	24,55%	24,04%	22,55%	17,23%	15,55%	17,66%	13,21%	13,46%
Gas natural	3.860,1	3.538,0	3.586,3	3.045,8	3.272,8	3.282,9	35,92%	33,87%	31,04%	26,14%	26,51%	25,78%	56,58%	44,00%	37,23%	27,76%	25,12%	24,70%
Electricidad	95,9	410,7	561,2	830,8	1.192,2	1.267,7	0,89%	3,93%	4,86%	7,13%	9,66%	9,96%	21,75%	39,85%	32,41%	26,07%	28,36%	28,89%
Carbón	2.657,0	2.809,7	3.514,4	3.685,9	4.335,6	4.607,5	24,73%	26,90%	30,42%	31,63%	35,12%	36,18%	21,37%	20,99%	22,82%	20,72%	22,88%	24,57%
Biomasa	259,8	272,3	403,6	482,2	515,4	515,2	2,42%	2,61%	3,49%	4,14%	4,17%	4,05%	7,89%	7,96%	10,46%	11,97%	12,57%	12,50%
TOTAL	10.745,8	10.445,5	11.553,8	11.653,3	12.346,7	12.734,3	100,00%	100,00%	100,00%	100,00%	100,00%	100,00%	26,76%	22,86%	21,78%	20,66%	19,52%	20,12%
CANADA																		
Petróleo	505,1	590,1	601,7	621,1	675,2	676,6	51,63%	46,52%	42,46%	39,34%	36,88%	35,94%	2,94%	2,98%	2,68%	3,04%	2,94%	2,97%
Gas natural	384,8	496,5	497,9	496,5	644,2	685,3	39,33%	39,14%	35,13%	31,45%	35,19%	36,40%	5,64%	6,17%	5,17%	4,53%	4,94%	5,16%
Electricidad	33,2	83,3	113,6	158,0	200,1	224,7	3,39%	6,57%	8,02%	10,01%	10,93%	11,94%	7,53%	8,08%	6,56%	4,96%	4,76%	5,12%
Carbón	55,2	98,7	136,7	228,4	246,4	231,1	5,64%	7,78%	9,65%	14,47%	13,46%	12,28%	0,44%	0,74%	0,89%	1,28%	1,30%	1,23%
Biomasa			67,3	74,7	64,7	64,9	0,00%	0,00%	4,75%	4,73%	3,53%	3,45%	0,00%	0,00%	1,74%	1,85%	1,58%	1,57%
TOTAL	978,3	1.268,6	1.417,2	1.578,7	1.830,6	1.882,6	100,00%	100,00%	100,00%	100,00%	100,00%	100,00%	2,44%	2,78%	2,67%	2,80%	2,89%	2,97%
EUROPA OCC.																		
Petróleo	145,6	195,3	875,5	1.384,2	1.453,4	1.552,1	5,17%	5,88%	19,93%	25,68%	25,88%	27,09%	0,85%	0,99%	3,90%	6,77%	6,33%	6,82%
Gas natural	457,6	1.001,6	1.158,7	1.160,1	1.173,1	1.274,7	16,24%	30,14%	26,38%	21,53%	20,89%	22,25%	6,71%	12,46%	12,03%	10,57%	9,00%	9,59%
Electricidad	154,7	261,9	440,4	1.021,7	1.296,3	1.325,4	5,49%	7,88%	10,03%	18,96%	23,08%	23,13%	35,08%	25,41%	25,43%	32,06%	30,83%	30,20%
Carbón	1.906,6	1.700,1	1.723,4	1.598,5	1.442,6	1.327,5	67,67%	51,17%	39,24%	29,66%	25,69%	23,17%	15,34%	12,70%	11,19%	8,99%	7,61%	7,08%
Biomasa	152,8	163,8	193,8	224,9	250,1	250,0	5,42%	4,93%	4,41%	4,17%	4,45%	4,36%	4,64%	4,79%	5,02%	5,58%	6,10%	6,07%
TOTAL	2.817,3	3.322,7	4.391,8	5.389,4	5.615,5	5.729,7	100,00%	100,00%	100,00%	100,00%	100,00%	100,00%	7,02%	7,27%	8,28%	9,55%	8,88%	9,05%

EUROPA ORIENTAL																		
Petróleo	2.689,1	3.708,0	4.471,8	4.424,3	4.242,7	3.620,4	29,46%	33,45%	34,33%	30,11%	28,34%	26,08%	15,66%	18,71%	19,94%	21,65%	18,49%	15,92%
Gas natural	1.373,4	1.971,5	2.853,4	4.129,6	4.944,5	4.903,4	15,04%	17,78%	21,91%	28,11%	33,03%	35,32%	20,13%	24,52%	29,62%	37,64%	37,95%	36,89%
Electricidad	41,4	96,7	223,0	445,8	570,1	563,3	0,45%	0,87%	1,71%	3,03%	3,81%	4,06%	9,39%	9,38%	12,88%	13,99%	13,56%	12,84%
Carbón	4.527,1	4.877,5	5.101,6	5.364,6	4.907,5	4.491,5	49,59%	44,00%	39,17%	36,52%	32,78%	32,35%	36,42%	36,44%	33,13%	30,16%	25,89%	23,95%
Biomasa	497,9	431,6	376,1	327,1	304,2	304,1	5,45%	3,89%	2,89%	2,23%	2,03%	2,19%	15,12%	12,61%	9,75%	8,12%	7,42%	7,38%
TOTAL	9.128,9	11.085,3	13.025,9	14.691,4	14.969,0	13.882,7	100,00%	100,00%	100,00%	100,00%	100,00%	100,00%	22,73%	24,26%	24,55%	26,04%	23,67%	21,93%
MEDIO ORIENTE																		
Petróleo	4.984,1	7.026,2	6.682,5	3.843,5	6.087,3	5.920,9	96,95%	96,40%	96,04%	90,07%	89,81%	89,05%	29,02%	35,46%	29,79%	18,81%	26,52%	26,03%
Gas natural	149,9	250,8	268,1	409,3	676,6	714,1	2,92%	3,44%	3,85%	9,59%	9,98%	10,74%	2,20%	3,12%	2,78%	3,73%	5,19%	5,37%
Electricidad	0,5	1,0	1,5	1,7	2,2	2,2							0,11%	0,10%	0,09%	0,05%	0,05%	0,05%
Carbón	2,9	4,8	4,3	6,2	6,2	6,2	0,06%	0,07%	0,06%	0,15%	0,09%	0,09%	0,02%	0,04%	0,03%	0,03%	0,03%	0,03%
Biomasa	3,6	5,8	1,4	6,5	5,6	5,8	0,07%	0,08%	0,02%	0,15%	0,08%	0,09%	0,11%	0,17%	0,04%	0,16%	0,14%	0,14%
TOTAL	5.141,0	7.288,6	6.957,8	4.267,2	6.777,9	6.649,2	99,99%	99,99%	99,98%	99,96%	99,97%	99,97%	12,80%	15,95%	13,12%	7,56%	10,72%	10,50%
AFRICA																		
Petróleo	2.161,0	1.790,6	2.173,2	1.864,5	2.252,5	2.375,7	72,37%	64,77%	61,15%	49,42%	52,31%	52,93%	12,58%	9,04%	9,69%	9,12%	9,81%	10,44%
Gas natural	23,1	90,8	193,1	306,2	435,9	464,8	0,77%	3,28%	5,43%	8,12%	10,12%	10,36%	0,34%	1,13%	2,00%	2,79%	3,35%	3,50%
Electricidad	4,5	5,0	7,9	25,7	33,2	34,9	0,15%	0,18%	0,22%	0,68%	0,77%	0,78%	1,02%	0,49%	0,46%	0,81%	0,79%	0,80%
Carbón	305,5	357,9	577,4	841,1	870,0	898,3	10,23%	12,95%	16,25%	22,30%	20,20%	20,01%	2,46%	2,67%	3,75%	4,73%	4,59%	4,79%
Biomasa	492,1	520,2	602,4	735,0	714,6	714,8	16,48%	18,82%	16,95%	19,48%	16,59%	15,93%	14,94%	15,20%	15,61%	18,24%	17,43%	17,34%
TOTAL	2.986,2	2.764,5	3.554,0	3.772,5	4.306,2	4.488,5	100,00%	100,00%	100,00%	100,00%	100,00%	100,00%	7,44%	6,05%	6,70%	6,69%	6,81%	7,09%
ASIA Y AUSTRAL.																		
Petróleo	692,5	1.321,5	1.753,9	2.034,2	2.297,9	2.317,3	13,40%	19,92%	21,01%	19,18%	18,40%	18,30%	4,03%	6,67%	7,82%	9,95%	10,01%	10,19%
Gas natural	110,2	237,8	445,3	717,7	1.070,0	1.140,7	2,13%	3,58%	5,33%	6,77%	8,57%	9,01%	1,62%	2,96%	4,62%	6,54%	8,21%	8,58%
Electricidad	53,6	93,6	234,8	445,0	617,3	669,2	1,04%	1,41%	2,81%	4,20%	4,94%	5,28%	12,15%	9,08%	13,56%	13,96%	14,68%	15,25%
Carbón	2.931,0	3.483,2	4.279,7	5.954,5	6.971,9	7.005,1	56,73%	52,50%	51,27%	56,15%	55,84%	55,31%	23,58%	26,02%	27,79%	33,48%	36,79%	37,36%
Biomasa	1.379,2	1.498,8	1.633,5	1.453,0	1.529,0	1.533,4	26,70%	22,59%	19,57%	13,70%	12,25%	12,11%	41,88%	43,80%	42,33%	36,06%	37,29%	37,21%
TOTAL	5.166,5	6.634,9	8.347,2	10.604,4	12.486,1	12.665,7	100,00%	100,00%	100,00%	100,00%	100,00%	100,00%	12,86%	14,52%	15,73%	18,80%	19,74%	20,01%

MUNDO												
Petróleo	17.172,6	19.814,9	22.428,4	20.434,0	22.951,1	22.747,6	42,76%	43,37%	42,28%	36,22%	36,29%	35,94%
Gas natural	6.822,5	8.040,5	9.632,6	10.971,2	13.029,9	13.290,5	16,99%	17,60%	18,16%	19,45%	20,60%	21,00%
Electricidad	441,0	1.030,6	1.731,6	3.187,2	4.204,3	4.388,4	1,10%	2,26%	3,26%	5,65%	6,65%	6,93%
Carbón	12.430,5	13.384,6	15.399,6	17.786,7	18.951,6	18.752,6	30,95%	29,29%	29,03%	31,53%	29,97%	29,62%
Biomasa	3.293,5	3.421,8	3.858,9	4.029,8	4.100,0	4.121,2	8,20%	7,49%	7,27%	7,14%	6,48%	6,51%
TOTAL	40.160,1	45.692,4	53.051,1	56.408,9	63.236,9	63.300,3	100,00%	100,00%	100,00%	100,00%	100,00%	100,00%

AREAS	CONSUMO MUNDIAL DE ENERGÍA PRIMARIA						CONSUMO MUNDIAL DE ENERGÍA PRIMARIA						CONSUMO MUNDIAL DE ENERGÍA PRIMARIA					
	(Millones de BEP)						(Porcentaje sobre la región)						(Porcentaje sobre el mundo)					
	1970	1975	1980	1985	1990	1991	1970	1975	1980	1985	1990	1991	1970	1975	1980	1985	1990	1991
A.LATINA Y CARIBE																		
Petróleo	1.478,2	1.515,6	1.894,6	1.838,1	2.040,3	2.007,5	62,92%	60,02%	58,73%	52,14%	52,54%	51,46%	9,28%	7,65%	8,61%	8,90%	8,94%	8,80%
Gas natural	245,7	314,4	504,9	602,7	714,8	733,7	10,46%	12,45%	15,65%	17,10%	18,41%	18,81%	3,67%	4,02%	5,33%	5,61%	5,72%	5,70%
Electricidad	54,8	91,6	147,0	219,6	271,3	286,2	2,33%	3,63%	4,56%	6,23%	6,99%	7,34%	17,45%	29,17%	46,82%	69,94%	86,40%	91,15%
Carbón	62,9	74,7	98,9	141,3	158,4	163,0	2,68%	2,96%	3,07%	4,01%	4,08%	4,18%	0,85%	0,97%	1,13%	1,43%	1,50%	1,56%
Biomasa	507,6	528,9	580,6	723,4	698,7	710,8	21,61%	20,94%	18,00%	20,52%	17,99%	18,22%	15,41%	15,46%	15,05%	17,97%	17,12%	17,34%
TOTAL	2.349,2	2.525,2	3.226,0	3.525,1	3.883,5	3.901,2	100,00%	100,00%	100,00%	100,00%	100,00%	100,00%	6,95%	6,35%	7,04%	7,28%	7,17%	7,14%
ESTADOS UNIDOS																		
Petróleo	5.005,0	5.518,8	5.722,0	5.200,3	5.631,2	5.580,1	45,47%	48,77%	46,85%	43,88%	42,88%	41,87%	31,43%	27,86%	25,99%	25,18%	24,67%	24,45%
Gas natural	4.064,7	3.593,5	3.674,2	3.238,2	3.504,1	3.658,3	36,92%	31,76%	30,08%	27,32%	26,68%	27,45%	60,65%	45,98%	38,76%	30,13%	28,04%	28,41%
Electricidad	95,9	410,7	561,2	830,8	1.192,2	1.267,7	0,87%	3,63%	4,59%	7,01%	9,08%	9,51%	21,87%	40,12%	32,45%	26,39%	28,50%	28,98%
Carbón	1.582,8	1.520,9	1.852,3	2.099,2	2.289,0	2.306,7	14,38%	13,44%	15,17%	17,71%	17,43%	17,31%	21,28%	19,76%	21,21%	21,29%	21,64%	22,04%
Biomasa	259,8	272,3	403,6	482,2	515,4	515,2	2,36%	2,41%	3,30%	4,07%	3,92%	3,87%	7,89%	7,96%	10,46%	11,98%	12,63%	12,57%
TOTAL	11.008,2	11.316,2	12.213,3	11.850,7	13.131,9	13.328,0	100,00%	100,00%	100,00%	100,00%	100,00%	100,00%	32,57%	28,46%	26,66%	24,47%	24,24%	24,39%
CANADA																		
Petróleo	526,0	598,8	631,2	493,6	559,9	539,0	60,05%	57,18%	49,47%	41,48%	41,05%	39,59%	3,30%	3,02%	2,87%	2,39%	2,45%	2,36%
Gas natural	235,6	310,6	355,2	322,8	400,6	412,2	26,89%	29,66%	27,84%	27,13%	29,37%	30,28%	3,52%	3,97%	3,75%	3,00%	3,21%	3,20%
Electricidad	33,2	63,3	113,6	158,0	200,1	224,7	3,79%	6,04%	8,90%	13,28%	14,67%	16,50%	7,57%	6,18%	6,57%	5,02%	4,78%	5,14%
Carbón	81,2	74,5	108,6	140,8	138,8	120,7	9,27%	7,11%	8,51%	11,83%	10,18%	8,87%	1,09%	0,97%	1,24%	1,43%	1,31%	1,15%
Biomasa			67,3	74,7	64,7	64,9	0,00%	0,00%	5,27%	6,28%	4,74%	4,77%	0,00%	0,00%	1,74%	1,86%	1,58%	1,58%
TOTAL	876,0	1.047,2	1.275,9	1.189,9	1.364,1	1.361,5	100,00%	100,00%	100,00%	100,00%	100,00%	100,00%	2,59%	2,63%	2,78%	2,46%	2,52%	2,49%
EUROPA OCC.																		
Petróleo	4.528,8	4.784,6	4.907,9	4.164,9	4.481,2	4.548,9	64,68%	62,26%	58,50%	51,54%	48,81%	47,77%	28,44%	24,16%	22,30%	20,17%	19,63%	19,93%
Gas natural	521,0	1.124,8	1.356,1	1.440,4	1.653,7	1.767,5	7,44%	14,64%	16,16%	17,82%	18,01%	18,56%	7,77%	14,39%	14,31%	13,40%	13,23%	13,72%
Electricidad	154,7	261,9	440,4	1.021,7	1.296,3	1.325,4	2,21%	3,41%	5,25%	12,64%	14,12%	13,92%	35,27%	25,58%	25,47%	32,45%	30,99%	30,30%
Carbón	1.644,8	1.349,4	1.492,0	1.229,3	1.498,8	1.630,0	23,49%	17,56%	17,78%	15,21%	16,33%	17,12%	22,11%	17,53%	17,08%	12,47%	14,17%	15,57%
Biomasa	152,8	163,8	193,8	224,6	250,1	250,0	2,18%	2,13%	2,31%	2,78%	2,72%	2,63%	4,64%	4,79%	5,02%	5,58%	6,13%	6,10%
TOTAL	7.002,1	7.684,5	8.390,2	8.080,9	9.180,1	9.521,8	100,00%	100,00%	100,00%	100,00%	100,00%	100,00%	20,72%	19,33%	18,31%	16,69%	16,95%	17,43%

EUROPA ORIENTAL																		
Petróleo	2.289,2	3.299,5	3.944,4	3.831,2	3.693,6	3.510,6	35,66%	39,77%	40,49%	34,13%	33,03%	33,30%	14,37%	16,66%	17,92%	18,55%	16,18%	15,38%
Gas natural	1.382,0	2.024,1	2.768,4	3.943,7	4.504,3	4.466,8	21,53%	24,40%	28,42%	35,13%	40,28%	42,37%	20,62%	25,90%	29,20%	36,69%	36,04%	34,69%
Electricidad	41,4	95,7	223,0	445,8	570,1	563,3	0,64%	1,15%	2,29%	3,97%	5,10%	5,34%	9,44%	9,35%	12,89%	14,16%	13,63%	12,88%
Carbón	2.208,3	2.445,6	2.429,7	2.677,1	2.108,9	1.696,7	34,40%	29,48%	24,94%	23,85%	18,86%	16,10%	29,69%	31,77%	27,82%	27,16%	19,94%	16,21%
Biomasa	497,9	431,6	376,1	327,1	304,2	304,1	7,76%	5,20%	3,86%	2,91%	2,72%	2,88%	15,12%	12,61%	9,75%	8,12%	7,45%	7,42%
TOTAL	6.418,8	8.296,5	9.741,6	11.224,9	11.181,1	10.541,5	100,00%	100,00%	100,00%	100,00%	100,00%	100,00%	18,99%	20,86%	21,26%	23,18%	20,64%	19,29%
MEDIO ORIENTE																		
Petróleo	382,6	474,9	719,1	932,4	1.083,0	1.103,2	72,97%	70,08%	73,54%	70,71%	65,78%	64,89%	2,40%	2,40%	3,27%	4,52%	4,74%	4,83%
Gas natural	137,6	196,0	255,8	367,5	542,6	575,7	26,24%	28,92%	26,16%	27,87%	32,96%	33,86%	2,05%	2,51%	2,70%	3,42%	4,34%	4,47%
Electricidad	0,5	1,0	1,5	1,7	2,2	2,2	0,10%	0,15%	0,15%	0,13%	0,13%	0,13%	0,11%	0,10%	0,09%	0,05%	0,05%	0,05%
Carbón				10,6	13,0	13,3	0,00%	0,00%	0,00%	0,80%	0,79%	0,78%	0,00%	0,00%	0,00%	0,11%	0,12%	0,13%
Biomasa	3,6	5,8	1,4	6,5	5,6	5,8	0,69%	0,86%	0,14%	0,49%	0,34%	0,34%	0,11%	0,17%	0,04%	0,16%	0,14%	0,14%
TOTAL	524,3	677,7	977,8	1.318,7	1.646,4	1.700,2	100,00%	100,00%	100,00%	100,00%	100,00%	100,00%	1,55%	1,70%	2,13%	2,72%	3,04%	3,11%
AFRICA																		
Petróleo	303,4	371,1	507,3	598,4	690,3	701,8	30,08%	32,72%	33,26%	32,25%	33,89%	34,07%	1,91%	1,87%	2,30%	2,90%	3,02%	3,07%
Gas natural	10,8	31,0	123,2	188,8	235,6	237,1	1,07%	2,73%	8,08%	10,18%	11,57%	11,51%	0,16%	0,40%	1,30%	1,76%	1,88%	1,84%
Electricidad	4,5	5,0	7,9	25,7	33,2	34,9	0,45%	0,44%	0,52%	1,39%	1,63%	1,69%	1,03%	0,49%	0,46%	0,82%	0,79%	0,80%
Carbón	197,9	207,0	284,4	307,4	363,2	371,3	19,62%	18,25%	18,65%	16,57%	17,83%	18,03%	2,66%	2,69%	3,26%	3,12%	3,43%	3,55%
Biomasa	492,1	520,2	602,4	735,0	714,6	714,8	48,79%	45,86%	39,50%	39,62%	35,08%	34,70%	14,94%	15,20%	15,61%	18,25%	17,50%	17,44%
TOTAL	1.008,7	1.134,3	1.525,2	1.855,3	2.036,9	2.059,9	100,00%	100,00%	100,00%	100,00%	100,00%	100,00%	2,98%	2,85%	3,33%	3,83%	3,76%	3,77%
ASIA Y AUSTRAL.																		
Petróleo	2.412,5	3.242,5	3.686,4	3.590,6	4.649,8	4.834,3	43,00%	45,78%	43,55%	38,25%	39,58%	39,53%	15,15%	16,37%	16,75%	17,39%	20,37%	21,18%
Gas natural	104,5	220,5	441,7	644,9	943,2	1.026,8	1,86%	3,11%	5,22%	6,87%	8,03%	8,40%	1,56%	2,82%	4,66%	6,00%	7,55%	7,97%
Electricidad	53,6	93,6	234,8	445,0	617,3	669,2	0,96%	1,32%	2,77%	4,74%	5,25%	5,47%	12,22%	9,14%	13,58%	14,13%	14,76%	15,30%
Carbón	1.661,1	2.026,7	2.467,7	3.252,6	4.007,8	4.165,3	29,60%	28,62%	29,15%	34,65%	34,12%	34,06%	22,33%	26,32%	28,26%	32,99%	37,89%	39,79%
Biomasa	1.379,2	1.498,8	1.633,5	1.453,0	1.529,0	1.533,4	24,58%	21,16%	19,30%	15,48%	13,02%	12,54%	41,88%	43,81%	42,33%	36,09%	37,45%	37,41%
TOTAL	5.610,9	7.082,1	8.464,1	9.386,1	11.747,1	12.229,0	100,00%	100,00%	100,00%	100,00%	100,00%	100,00%	16,60%	17,81%	18,48%	19,38%	21,69%	22,38%

MUNDO												
Petróleo	15.925,7	19.805,7	22.012,1	20.649,2	22.829,3	22.825,3	47,12%	49,81%	48,05%	42,64%	42,14%	41,77%
Gas natural	6.702,0	7.814,7	9.479,5	10.749,0	12.498,9	12.878,1	19,83%	19,65%	20,69%	22,19%	23,07%	23,57%
Electricidad	438,6	1.023,7	1.729,4	3.148,4	4.182,8	4.373,7	1,30%	2,57%	3,77%	6,50%	7,72%	8,00%
Carbón	7.439,1	7.698,8	8.733,6	9.858,4	10.577,7	10.467,0	22,01%	19,36%	19,06%	20,36%	19,53%	19,16%
Biomasa	3.293,0	3.421,4	3.858,7	4.026,5	4.082,3	4.098,9	9,74%	8,60%	8,42%	8,31%	7,54%	7,50%
TOTAL	33.798,4	39.764,3	45.813,3	48.431,5	54.171,0	54.643,0	100,00%	100,00%	100,00%	100,00%	100,00%	100,00%

AREAS	CONSUMO MUNDIAL DE DERIVADOS DEL PETROLEO						CONSUMO MUNDIAL DE DERIVADOS DEL PETROLEO						CONSUMO MUNDIAL DE DERIVADOS DEL PETROLEO					
	(Millones de BEP)						(Porcentaje sobre la región)						(Porcentaje sobre el mundo)					
	1970	1975	1980	1985	1990	1991	1970	1975	1980	1985	1990	1991	1970	1975	1980	1985	1990	1991
A. LATINA Y CARIBE																		
Gasolina	228,5	308,2	386,4	392,9	494,2	507,3	23,77%	24,78%	23,49%	23,69%	25,75%	26,87%	5,79%	6,43%	7,52%	7,52%	8,35%	8,50%
Destilados medios	251,7	342,8	483,0	456,4	506,3	522,7	26,19%	27,56%	29,36%	27,51%	26,38%	27,68%	5,62%	6,32%	7,80%	7,15%	7,04%	7,21%
Fuel- oil	274,5	352,4	432,3	378,2	418,7	411,8	28,56%	28,33%	26,28%	22,80%	21,82%	21,81%	5,66%	6,12%	7,24%	8,70%	10,18%	9,89%
Otros	206,5	240,5	343,3	431,3	499,8	446,4	21,48%	19,33%	20,87%	26,00%	26,04%	23,64%	7,35%	7,35%	9,65%	11,49%	11,66%	10,41%
TOTAL	961,2	1.243,9	1.645,0	1.658,8	1.919,0	1.888,2	100,00%	100,00%	100,00%	100,00%	100,00%	100,00%	5,98%	6,46%	7,88%	8,42%	8,92%	8,71%
ESTADOS UNIDOS																		
Gasolina	1.965,0	2.194,1	2.202,8	2.264,7	2.357,0	2.351,9	39,26%	39,75%	38,50%	41,83%	41,86%	42,15%	49,83%	45,75%	42,86%	43,37%	39,80%	39,39%
Destilados medios	1.230,0	1.369,1	1.498,1	1.538,4	1.660,9	1.622,0	24,57%	24,80%	26,18%	28,42%	29,49%	29,07%	27,46%	25,22%	24,19%	24,11%	23,11%	22,39%
Fuel- oil	825,8	932,4	958,4	563,5	480,6	448,9	16,50%	16,89%	16,75%	10,41%	8,53%	8,04%	17,02%	16,20%	16,05%	12,96%	11,69%	10,78%
Otros	984,3	1.023,9	1.062,8	1.047,0	1.132,7	1.157,2	19,67%	18,55%	18,57%	19,34%	20,11%	20,74%	35,01%	31,30%	29,87%	27,90%	26,42%	26,98%
TOTAL	5.005,1	5.519,5	5.722,1	5.413,6	5.631,2	5.580,0	100,00%	100,00%	100,00%	100,00%	100,00%	100,00%	31,11%	28,67%	27,43%	27,47%	26,18%	25,75%
CANADA																		
Gasolina	160,0	209,0	232,0	199,6	204,6	197,4	30,45%	34,90%	36,76%	40,43%	36,55%	36,62%	4,06%	4,36%	4,51%	3,82%	3,46%	3,31%
Destilados medios	167,2	188,1	198,2	160,0	172,9	161,4	31,82%	31,41%	31,40%	32,41%	30,89%	29,94%	3,73%	3,47%	3,20%	2,51%	2,41%	2,23%
Fuel- oil	118,2	116,0	102,3	40,4	62,7	55,5	22,50%	19,37%	16,21%	8,18%	11,20%	10,30%	2,44%	2,02%	1,71%	0,93%	1,52%	1,33%
Otros	80,0	85,7	98,7	93,7	119,6	124,7	15,23%	14,31%	15,64%	18,98%	21,36%	23,14%	2,85%	2,62%	2,77%	2,50%	2,79%	2,91%
TOTAL	525,4	598,8	631,2	493,7	559,8	539,0	100,00%	100,00%	100,00%	100,00%	100,00%	100,00%	3,27%	3,11%	3,03%	2,51%	2,60%	2,49%
EUROPA OCC.																		
Gasolina	755,9	915,8	1.012,4	1.005,2	1.176,7	1.191,1	16,69%	19,14%	20,63%	24,14%	26,26%	26,18%	19,17%	19,10%	19,70%	19,25%	19,87%	19,95%
Destilados medios	1.454,1	1.599,7	1.704,9	1.643,6	1.779,8	1.843,9	32,11%	33,43%	34,75%	39,46%	39,72%	40,54%	32,46%	29,47%	27,53%	25,76%	24,76%	25,45%
Fuel- oil	1.704,1	1.647,2	1.496,6	869,0	796,2	790,5	37,63%	34,42%	30,50%	20,86%	17,77%	17,38%	35,11%	28,63%	25,06%	19,98%	19,36%	18,99%
Otros	613,9	622,6	692,5	647,1	728,5	723,4	13,56%	13,01%	14,11%	15,54%	16,26%	15,90%	21,84%	19,03%	19,46%	17,24%	16,99%	16,87%
TOTAL	4.528,0	4.785,3	4.906,4	4.164,9	4.481,2	4.548,9	100,00%	100,00%	100,00%	100,00%	100,00%	100,00%	28,15%	24,86%	23,52%	21,14%	20,83%	20,99%

UROPÁ ORIENTAL																		
Gasolina	420,4	589,2	670,3	677,6	717,8	699,9	18,19%	18,19%	17,51%	18,02%	20,82%	21,43%	10,66%	12,29%	13,04%	12,98%	12,12%	11,72%
Destilados medios	597,2	837,0	939,8	997,6	974,2	912,8	25,84%	25,84%	24,55%	26,53%	28,26%	27,95%	13,33%	15,42%	15,18%	15,63%	13,55%	12,60%
Fuel- oil	893,5	1.252,2	1.536,0	1.391,4	1.021,5	982,8	38,67%	38,66%	40,12%	37,00%	29,63%	30,10%	18,41%	21,76%	25,72%	31,99%	24,84%	23,61%
Otros	399,7	560,2	682,1	694,2	734,0	669,9	17,30%	17,30%	17,82%	18,46%	21,29%	20,52%	14,22%	17,13%	19,17%	18,50%	17,12%	15,62%
TOTAL	2.310,8	3.238,6	3.828,2	3.760,8	3.447,5	3.265,4	100,00%	100,00%	100,00%	100,00%	100,00%	100,00%	14,36%	16,82%	18,35%	19,09%	16,03%	15,07%
MEDIO ORIENTE																		
Gasolina	43,0	60,2	97,2	150,5	172,7	179,2	12,47%	12,46%	12,94%	14,13%	14,54%	14,42%	1,09%	1,26%	1,89%	2,88%	2,92%	3,00%
Destilados medios	109,2	153,1	281,2	393,2	446,7	473,6	31,66%	31,68%	37,43%	36,92%	37,60%	38,12%	2,44%	2,82%	4,54%	6,16%	6,21%	6,54%
Fuel- oil	51,1	71,6	185,2	280,2	247,7	253,7	14,82%	14,81%	24,65%	26,31%	20,85%	20,42%	1,05%	1,24%	3,10%	6,44%	6,02%	6,09%
Otros	141,6	198,4	187,7	241,2	320,8	335,8	41,06%	41,05%	24,98%	22,65%	27,01%	27,03%	5,04%	6,07%	5,28%	6,43%	7,48%	7,83%
TOTAL	344,9	483,3	751,3	1.065,1	1.187,9	1.242,3	100,00%	100,00%	100,00%	100,00%	100,00%	100,00%	2,14%	2,51%	3,60%	5,41%	5,52%	5,73%
AFRICA																		
Gasolina	52,8	74,0	99,3	123,8	157,5	159,7	19,86%	19,87%	19,67%	20,15%	22,40%	22,52%	9,35%	13,10%	17,58%	21,91%	27,88%	28,27%
Destilados medios	104,3	146,2	202,5	241,3	269,8	270,4	39,24%	39,25%	40,11%	39,28%	38,37%	38,13%	2,33%	2,69%	3,27%	3,78%	3,75%	3,73%
Fuel- oil	53,2	74,5	103,1	127,6	137,4	137,4	20,02%	20,00%	20,42%	20,77%	19,54%	19,37%	1,10%	1,29%	1,73%	2,93%	3,34%	3,30%
Otros	55,5	77,8	99,9	121,6	138,5	141,7	20,88%	20,89%	19,79%	19,79%	19,70%	19,98%	1,97%	2,38%	2,81%	3,24%	3,23%	3,30%
TOTAL	265,8	372,5	504,8	614,3	703,2	709,2	100,00%	100,00%	100,00%	100,00%	100,00%	100,00%	1,65%	1,94%	2,42%	3,12%	3,27%	3,27%
ASIA Y AUSTRAL																		
Gasolina	317,7	445,2	439,8	471,8	641,2	683,7	14,67%	14,80%	15,30%	17,15%	17,68%	17,56%	8,06%	9,28%	8,56%	9,04%	10,83%	11,45%
Destilados medios	585,4	792,4	885,1	1.012,3	1.377,3	1.437,9	27,03%	26,35%	30,79%	36,79%	37,97%	36,92%	13,07%	14,60%	14,29%	15,86%	19,16%	19,85%
Fuel- oil	932,9	1.307,5	1.158,8	777,9	958,5	1.082,7	43,08%	43,48%	40,31%	28,27%	26,42%	27,80%	12,06%	13,77%	14,82%	23,28%	33,49%	34,54%
Otros	329,6	462,0	391,2	489,3	650,5	689,9	15,22%	15,36%	13,61%	17,78%	17,93%	17,72%	33,19%	39,97%	32,57%	20,73%	22,36%	25,24%
TOTAL	2.165,6	3.007,1	2.874,9	2.751,3	3.627,5	3.894,2	100,00%	100,00%	100,00%	100,00%	100,00%	100,00%	2,05%	2,40%	1,88%	2,48%	3,02%	3,18%
MUNDO																		
Gasolina	3.943,2	4.795,7	5.140,1	5.221,9	5.921,7	5.970,2	24,51%	24,91%	24,64%	26,50%	27,53%	27,55%						
Destilados medios	4.479,1	5.428,2	6.192,6	6.381,3	7.187,9	7.244,7	27,84%	28,20%	29,68%	32,38%	33,42%	33,44%						
Fuel- oil	4.853,2	5.753,8	5.972,7	4.349,1	4.112,4	4.163,2	30,17%	29,89%	28,63%	22,07%	19,12%	19,21%						
Otros	2.811,2	3.271,1	3.558,2	3.753,1	4.286,7	4.289,1	17,48%	16,99%	17,05%	19,05%	19,93%	19,80%						
TOTAL	16.086,7	19.248,8	20.863,6	19.705,4	21.508,7	21.667,2	100,00%	100,00%	100,00%	100,00%	100,00%	100,00%						

AREAS	CONSUMO MUNDIAL PER CAPITA DE ENERGIA PRIMARIA					
	(BEP/habitante)					
	1970	1975	1980	1985	1990	1991
A. LATINA Y CA	8,36	7,92	9,02	8,83	8,76	8,64
ESTADOS UNIDO	53,61	52,35	53,62	49,53	52,27	52,55
CANADA	40,37	43,85	53,07	47,28	51,24	50,58
EUROPA OCC.	18,65	19,8	21,16	20,02	21,27	21,78
EUROPA ORIENT	17,4	21,61	24,36	27,02	27,33	25,85
MEDIO ORIENTE	7,58	8,53	10,68	11,94	12,77	12,82
AFRICA	2,79	2,75	3,17	3,34	3,14	3,09
ASIA Y AUSTRAL	2,76	3,11	3,4	3,45	3,95	4,04
MUNDO	9,36	9,71	10,25	9,95	10,19	10,12

AREAS	OFERTA TOTAL DE ENERGIA PRIMARIA						OFERTA TOTAL DE ENERGIA PRIMARIA						OFERTA TOTAL DE ENERGIA PRIMARIA					
	(Miles de BEP)						(Porcentaje sobre la región)						(Porcentaje sobre la subregión)					
	1970	1975	1980	1985	1990	1992	1970	1975	1980	1985	1990	1992	1970	1975	1980	1985	1990	1992
MEXICO																		
Petróleo	204.634	283.350	526.654	583.322	598.068	615.475	13,84%	18,70%	27,80%	31,73%	29,31%	30,48%	53,66%	56,51%	60,38%	61,45%	58,86%	59,43%
Gas natural	98.567	122.794	243.512	259.373	268.510	263.355	40,11%	39,06%	48,23%	43,03%	37,57%	35,88%	25,85%	24,49%	27,92%	27,32%	26,43%	25,43%
Carbón mín.	12.277	23.171	26.525	34.748	38.499	37.572	19,50%	30,94%	26,83%	24,58%	24,31%	21,80%	3,22%	4,62%	3,04%	3,66%	3,79%	3,63%
Electricidad	9.638	9.805	10.132	14.913	20.272	23.970	17,59%	10,70%	6,89%	6,79%	7,47%	8,32%	2,53%	1,96%	1,16%	1,57%	2,00%	2,31%
Biomasa	56.246	62.294	65.480	106.776	90.728	95.182	11,08%	11,78%	11,28%	14,76%	12,99%	13,26%	14,75%	12,42%	7,51%	11,25%	8,93%	9,19%
TOTAL	381.362	501.414	872.303	949.313	1.016.077	1.035.554	16,23%	19,86%	27,04%	26,93%	26,16%	26,34%	100,00%	100,00%	100,00%	100,00%	100,00%	100,00%
CENTRO AMER.																		
Petróleo	43.656	51.375	35.869	28.505	28.844	37.118	2,95%	3,39%	1,89%	1,55%	1,41%	1,84%	51,13%	24,09%	39,15%	30,27%	29,62%	34,69%
Gas natural							0,02%	0,01%	0,12%	0,13%	0,11%	0,19%	0,00%	0,00%	0,00%	0,00%	0,00%	0,00%
Carbón mín.	10	10	116	190	173	336	0,02%	0,01%	0,12%	0,13%	0,11%	0,19%	0,01%	0,00%	0,13%	0,20%	0,18%	0,31%
Electricidad	2.555	3.142	6.371	9.888	11.707	11.683	4,66%	3,43%	4,33%	4,50%	4,31%	4,05%	2,99%	1,47%	6,95%	10,50%	12,02%	10,92%
Biomasa	39.162	47.365	49.275	55.583	56.643	57.847	7,72%	8,96%	8,49%	7,68%	8,11%	8,06%	45,87%	22,21%	53,78%	59,03%	58,17%	54,07%
TOTAL	85.383	213.272	91.631	94.166	97.367	106.984	3,63%	8,45%	2,84%	2,67%	2,51%	2,72%	100,00%	100,00%	100,00%	100,00%	100,00%	100,00%
CARIBE																		
Petróleo	198.160	153.961	151.606	105.253	107.188	110.966	13,41%	10,16%	8,00%	5,73%	5,25%	5,49%	72,91%	72,19%	68,02%	56,69%	50,77%	50,55%
Gas natural	14.855	9.474	14.630	21.770	34.757	38.355	6,05%	3,01%	2,90%	3,61%	4,86%	5,23%	5,47%	4,44%	6,56%	11,72%	16,46%	17,47%
Carbón mín.	530	369	519	1.368	1.110	1.337	0,84%	0,49%	0,52%	0,97%	0,70%	0,78%	0,19%	0,17%	0,23%	0,74%	0,53%	0,61%
Electricidad	1.225	1.303	1.522	1.721	2.684	2.930	2,24%	1,42%	1,04%	0,78%	0,99%	1,02%	0,45%	0,61%	0,68%	0,93%	1,27%	1,33%
Biomasa	57.025	48.165	54.619	55.561	65.382	65.938	11,24%	9,11%	9,41%	7,68%	9,36%	9,19%	20,98%	22,58%	24,50%	29,92%	30,97%	30,04%
TOTAL	271.795	213.272	222.896	185.673	211.121	219.526	11,57%	8,45%	6,91%	5,27%	5,44%	5,58%	100,00%	100,00%	100,00%	100,00%	100,00%	100,00%
ZONA ANDINA																		
Petróleo	644.592	500.490	536.229	539.032	644.656	597.366	43,61%	33,02%	28,30%	29,32%	31,60%	29,58%	78,21%	69,99%	66,23%	62,42%	61,91%	57,88%
Gas natural	88.043	113.893	154.709	183.260	228.283	253.634	35,83%	36,23%	30,64%	30,40%	31,94%	34,55%	10,68%	15,93%	19,11%	21,22%	21,92%	24,58%
Carbón mín.	16.689	14.424	17.857	22.454	28.581	37.804	26,51%	19,26%	18,06%	15,89%	18,05%	21,93%	2,03%	2,02%	2,21%	2,60%	2,74%	3,66%
Electricidad	11.741	19.128	26.917	39.789	57.684	57.064	21,43%	20,88%	18,31%	18,12%	21,26%	19,80%	1,42%	2,67%	3,32%	4,61%	5,54%	5,53%
Biomasa	63.070	67.187	73.927	79.050	82.088	86.147	12,43%	12,70%	12,73%	10,93%	11,75%	12,01%	7,65%	9,40%	9,13%	9,15%	7,88%	8,35%
TOTAL	824.135	715.122	809.639	863.585	1.041.292	1.032.015	35,08%	28,32%	25,10%	24,50%	26,81%	26,25%	100,00%	100,00%	100,00%	100,00%	100,00%	100,00%

BRASIL																		
Petróleo	186.642	320.041	395.154	393.842	431.166	417.066	12,63%	21,12%	20,86%	21,43%	21,13%	20,65%	38,68%	48,65%	48,49%	40,17%	42,77%	41,11%
Gas natural	1.275	4.265	8.168	22.034	31.405	32.280	0,52%	1,36%	1,62%	3,66%	4,39%	4,40%	0,26%	0,65%	1,00%	2,25%	3,12%	3,18%
Carbón min.	15.902	20.351	37.195	66.620	64.275	72.068	25,26%	27,17%	37,62%	47,13%	40,58%	41,82%	3,30%	3,09%	4,56%	6,79%	6,38%	7,10%
Electricidad	24.661	44.789	79.871	117.117	132.377	137.404	45,00%	48,89%	54,33%	53,33%	48,79%	47,68%	5,11%	6,81%	9,80%	11,94%	13,13%	13,54%
Biomasa	253.988	268.394	294.530	380.894	348.950	355.639	50,04%	50,75%	50,73%	52,65%	49,95%	49,56%	52,64%	40,80%	36,14%	38,85%	34,61%	35,06%
TOTAL	482.468	657.840	814.918	980.507	1.008.173	1.014.457	20,54%	26,05%	25,26%	27,81%	25,96%	25,80%	100,00%	100,00%	100,00%	100,00%	100,00%	100,00%
CONO SUR																		
Petróleo	200.513	206.346	249.122	208.186	230.331	241.546	13,56%	13,62%	13,15%	11,33%	11,29%	11,96%	65,94%	61,48%	60,09%	49,31%	45,22%	46,18%
Gas natural	42.977	63.963	83.859	116.311	151.830	148.393	17,49%	20,35%	16,61%	19,30%	21,24%	20,22%	14,13%	19,06%	20,23%	27,55%	29,81%	28,37%
Carbón min.	17.536	16.368	16.646	15.966	25.736	23.232	27,86%	21,86%	16,84%	11,30%	16,25%	13,48%	5,77%	4,88%	4,02%	3,78%	5,05%	4,44%
Electricidad	4.980	13.448	22.149	36.185	48.597	55.123	9,09%	14,68%	15,07%	16,48%	17,91%	19,13%	1,64%	4,01%	5,34%	8,57%	9,54%	10,54%
Biomasa	38.070	35.500	42.743	45.539	54.863	58.791	7,50%	6,71%	7,36%	6,30%	7,85%	8,19%	12,52%	10,58%	10,31%	10,79%	10,77%	11,24%
TOTAL	304.076	335.625	414.564	422.187	509.357	523.085	12,94%	13,29%	12,85%	11,98%	13,12%	13,30%	100,00%	100,00%	100,00%	100,00%	100,00%	100,00%
A. L y C.																		
Petróleo	1.478.197	1.515.563	1.894.634	1.838.140	2.040.253	2.019.537							62,92%	60,02%	58,73%	52,14%	52,54%	51,37%
Gas natural	245.717	314.389	504.878	602.748	714.785	734.017							10,46%	12,45%	15,65%	17,10%	18,41%	18,67%
Carbón min.	62.944	74.893	98.858	141.346	158.374	172.349							2,68%	2,97%	3,06%	4,01%	4,08%	4,38%
Electricidad	54.800	91.615	147.007	219.613	271.321	288.174							2,33%	3,63%	4,56%	6,23%	6,99%	7,33%
Biomasa	507.561	528.905	580.574	723.403	698.654	717.544							21,61%	20,95%	18,00%	20,52%	17,99%	18,25%
TOTAL	2.349.219	2.525.165	3.225.951	3.525.250	3.883.387	3.931.621							100,00%	100,00%	100,00%	100,00%	100,00%	100,00%

AREAS	OFERTA TOTAL DE ENERGIA SECUNDARIA						OFERTA TOTAL DE ENERGIA SECUNDARIA						OFERTA TOTAL DE ENERGIA SECUNDARIA					
	(Miles de BEF)						(Porcentaje sobre la región)						(Porcentaje sobre la subregión)					
	1970	1975	1980	1985	1990	1992	1970	1975	1980	1985	1990	1992	1970	1975	1980	1985	1990	1992
MEXICO																		
Electricidad	16.208	25.545	38.713	54.537	69.932	89.556	17,81%	18,37%	17,47%	18,65%	18,85%	22,86%	8,29%	8,17%	8,11%	9,39%	10,27%	12,12%
Gas licuado	16.765	22.490	33.046	52.411	59.877	70.239	36,31%	36,24%	39,41%	45,33%	40,41%	43,34%	8,58%	7,19%	6,92%	9,02%	8,79%	9,50%
Der.petroleo	139.084	230.667	351.932	405.626	485.910	498.289	18,38%	22,95%	26,84%	32,27%	33,55%	33,20%	71,15%	73,75%	73,70%	69,83%	71,34%	67,41%
Coques	8.053	10.863	11.982	12.166	12.175	11.031	54,36%	63,12%	61,25%	59,60%	65,47%	52,24%	4,12%	3,47%	2,51%	2,09%	1,79%	1,49%
Otras	15.377	23.195	41.837	56.135	53.267	70.048	19,14%	21,81%	25,69%	29,59%	31,47%	41,99%	7,87%	7,42%	8,76%	9,66%	7,82%	9,48%
TOTAL	195.487	312.760	477.510	580.875	681.161	739.163	19,39%	22,96%	25,97%	30,12%	30,86%	32,26%	100,00%	100,00%	100,00%	100,00%	100,00%	100,00%
CENTRO AMER.																		
Electricidad	2.530	4.061	5.915	6.977	9.034	9.961	2,78%	2,92%	2,67%	2,39%	2,44%	2,54%	9,96%	11,01%	14,31%	17,29%	19,35%	17,96%
Gas licuado	554	931	1.323	1.635	2.051	2.327	1,20%	1,50%	1,58%	1,41%	1,38%	1,44%	2,18%	2,52%	3,20%	4,05%	4,39%	4,19%
Der.petroleo	19.863	29.200	32.720	30.380	33.965	41.481	2,62%	2,91%	2,50%	2,42%	2,34%	2,76%	78,18%	79,16%	79,18%	75,27%	72,75%	74,78%
Coques	0	0	5	0	5	5	0,00%	0,00%	0,03%	0,00%	0,03%	0,02%	0,00%	0,00%	0,01%	0,00%	0,01%	0,01%
Carbón veget	541	563	336	359	468	504	2,83%	1,75%	0,85%	0,67%	0,91%	1,03%	2,13%	1,53%	0,81%	0,89%	1,00%	0,91%
Otras	1.918	2.131	1.023	1.011	1.165	1.195	2,39%	2,00%	0,63%	0,53%	0,69%	0,72%	7,55%	5,78%	2,48%	2,50%	2,50%	2,15%
TOTAL	25.406	36.886	41.322	40.362	46.688	55.473	2,52%	2,71%	2,25%	2,09%	2,12%	2,42%	100,00%	100,00%	100,00%	100,00%	100,00%	100,00%
CARIBE																		
Electricidad	6.116	8.478	12.008	14.305	17.049	15.849	6,72%	6,10%	5,42%	4,89%	4,60%	4,05%	6,56%	7,26%	8,57%	10,53%	11,39%	11,47%
Gas licuado	1.060	1.529	2.154	2.930	2.766	2.580	2,30%	2,46%	2,57%	2,53%	1,87%	1,59%	1,14%	1,31%	1,54%	2,16%	1,85%	1,87%
Der.petroleo	78.357	98.123	116.097	108.848	122.673	113.192	10,35%	9,76%	8,85%	8,66%	8,47%	7,54%	84,07%	84,03%	82,89%	80,09%	81,98%	81,91%
Coques	333	284	363	377	377	244	2,25%	1,65%	1,86%	1,85%	2,03%	1,16%	0,36%	0,24%	0,26%	0,28%	0,25%	0,18%
Carbón veget	2.147	2.742	3.174	4.243	2.291	2.439	11,23%	8,52%	8,02%	7,95%	4,44%	4,99%	2,30%	2,35%	2,27%	3,12%	1,53%	1,76%
Otras	5.192	5.617	6.264	5.208	4.482	3.888	6,46%	5,28%	3,85%	2,75%	2,65%	2,33%	5,57%	4,81%	4,47%	3,83%	3,00%	2,81%
TOTAL	93.205	116.773	140.060	135.911	149.638	138.192	9,24%	8,57%	7,62%	7,05%	6,78%	6,03%	100,00%	100,00%	100,00%	100,00%	100,00%	100,00%

ZONA ANDINA																		
Electricidad	18.213	26.537	44.242	61.642	72.782	78.806	20,01%	19,09%	19,96%	21,08%	19,62%	20,12%	8,06%	10,74%	12,57%	16,42%	18,98%	19,54%
Gas licuado	8.057	11.207	11.974	17.394	27.763	29.910	17,45%	18,06%	14,28%	15,04%	18,74%	18,46%	3,57%	4,54%	3,40%	4,63%	7,24%	7,42%
Der.petroleo	179.354	185.935	260.393	254.080	259.943	275.437	23,70%	18,50%	19,86%	20,21%	17,95%	18,35%	79,40%	75,24%	74,01%	67,68%	67,77%	68,31%
Coques	3.111	3.271	2.526	2.917	1.380	1.495	21,00%	19,01%	12,91%	14,29%	7,42%	7,08%	1,38%	1,32%	0,72%	0,78%	0,36%	0,37%
Carbón veget	1.275	1.188	1.210	1.276	808	850	6,67%	3,69%	3,06%	2,39%	1,57%	1,74%	0,56%	0,48%	0,34%	0,34%	0,21%	0,21%
Otras	15.878	18.977	31.506	38.118	20.870	16.706	19,77%	17,84%	19,35%	20,09%	12,33%	10,01%	7,03%	7,68%	8,95%	10,15%	5,44%	4,14%
TOTAL	225.888	247.115	351.851	375.427	383.546	403.204	22,41%	18,14%	19,13%	19,47%	17,38%	17,60%	100,00%	100,00%	100,00%	100,00%	100,00%	100,00%
BRASIL																		
Electricidad	28.330	48.943	86.229	121.190	154.502	165.208	31,13%	35,21%	38,91%	41,44%	41,65%	42,18%	12,76%	12,49%	16,12%	22,75%	23,06%	23,80%
Gas licuado	9.636	14.207	21.440	28.671	40.184	40.951	20,87%	22,89%	25,57%	24,79%	27,12%	25,27%	4,34%	3,63%	4,01%	5,38%	6,00%	5,90%
Der.petroleo	157.370	274.917	344.615	314.354	373.437	388.863	20,80%	27,35%	26,28%	25,01%	25,78%	25,91%	70,90%	70,16%	64,43%	59,01%	55,73%	56,02%
Coques	726	1.018	2.202	633	2.123	5.441	4,90%	5,91%	11,26%	3,10%	11,42%	25,77%	0,33%	0,26%	0,41%	0,12%	0,32%	0,78%
Carbón veget	12.420	25.939	32.639	45.735	45.468	42.186	64,94%	80,59%	82,46%	85,68%	88,12%	86,35%	5,60%	6,62%	6,10%	8,58%	6,79%	6,08%
Otras	13.489	26.797	47.702	22.167	54.368	51.554	16,79%	25,20%	29,29%	11,69%	32,12%	30,90%	6,08%	6,84%	8,92%	4,16%	8,11%	7,43%
TOTAL	221.971	391.821	534.827	532.750	670.082	694.203	22,02%	28,77%	29,08%	27,62%	30,36%	30,30%	100,00%	100,00%	100,00%	100,00%	100,00%	100,00%
CONO SUR																		
Electricidad	19.605	25.457	34.532	39.961	47.683	52.311	21,54%	18,31%	15,58%	13,66%	12,85%	13,36%	7,97%	9,93%	11,61%	15,99%	17,93%	18,61%
Gas licuado	10.096	11.595	13.720	13.058	15.487	16.056	21,87%	18,68%	16,36%	11,29%	10,45%	9,91%	4,10%	4,52%	4,61%	5,23%	5,82%	5,71%
Der.petroleo	182.700	186.237	205.840	163.004	172.505	183.481	24,14%	18,53%	15,70%	12,97%	11,91%	12,23%	74,26%	72,62%	69,19%	65,23%	64,86%	65,28%
Coques	2.392	1.775	2.407	2.358	2.636	2.900	16,15%	10,31%	12,30%	11,55%	14,18%	13,73%	0,97%	0,69%	0,81%	0,94%	0,99%	1,03%
Carbón veget	2.743	1.754	2.182	1.830	2.564	2.875	14,34%	5,45%	5,51%	3,43%	4,97%	5,88%	1,11%	0,68%	0,73%	0,73%	0,96%	1,02%
Otras	28.478	29.633	38.824	29.675	25.089	23.445	35,45%	27,86%	23,84%	15,64%	14,82%	14,05%	11,58%	11,56%	13,05%	11,88%	9,43%	8,34%
TOTAL	246.014	256.451	297.505	249.886	265.964	281.068	24,40%	18,83%	16,18%	12,96%	12,05%	12,27%	100,00%	100,00%	100,00%	100,00%	100,00%	100,00%
A. L y C.																		
Electricidad	91.002	139.021	221.637	292.455	370.982	391.691							9,03%	10,21%	12,05%	15,16%	16,81%	17,09%
Gas licuado	46.168	62.059	83.857	115.633	148.158	162.063							4,58%	4,56%	4,56%	6,00%	6,71%	7,07%
Der.petroleo	756.728	1.005.079	1.311.397	1.257.107	1.448.433	1.500.743							75,06%	73,80%	71,32%	65,18%	65,63%	65,50%
Coques	14.815	17.211	19.562	20.414	18.596	21.116							1,47%	1,26%	1,06%	1,06%	0,84%	0,92%
Carbón veget	19.126	32.186	39.581	53.377	51.599	48.854							1,90%	2,36%	2,15%	2,77%	2,34%	2,13%
Otras	80.332	106.351	162.841	189.697	169.241	166.836							7,97%	7,81%	8,86%	9,84%	7,67%	7,28%
TOTAL	1.008.171	1.361.907	1.838.875	1.928.683	2.207.009	2.291.303							100,00%	100,00%	100,00%	100,00%	100,00%	100,00%

	CONSUMO TOTAL DE DERIVADOS DEL PETROLEO						CONSUMO TOTAL DE DERIVADOS DEL PETROLEO						CONSUMO TOTAL DE DERIVADOS DEL PETROLEO					
	(Miles de BEP)						(Porcentaje sobre la región)						(Porcentaje sobre la subregión)					
	1970	1975	1980	1985	1990	1992	1970	1975	1980	1985	1990	1992	1970	1975	1980	1985	1990	1992
MEXICO																		
Gas licuado	16.765	22.490	33.046	50.768	59.677	70.239	36,31%	36,24%	39,50%	43,90%	40,28%	43,34%	10,18%	8,47%	8,17%	10,08%	10,29%	11,55%
Gasolinas	52.399	70.913	114.106	127.540	177.489	194.674	22,93%	23,01%	29,53%	32,47%	35,91%	37,85%	31,83%	26,70%	28,21%	25,31%	30,60%	32,01%
Keroseno	14.986	18.772	25.880	22.123	19.504	21.428	23,75%	24,75%	26,63%	26,91%	23,55%	24,38%	9,10%	7,07%	6,40%	4,39%	3,36%	3,52%
Diesel- oil	34.320	62.325	94.152	88.787	88.054	97.158	18,20%	23,35%	24,41%	23,73%	20,79%	21,23%	20,85%	23,47%	23,28%	17,62%	15,18%	15,97%
Fuel- oil	37.729	78.857	117.794	160.075	200.863	185.029	13,74%	22,38%	27,25%	42,32%	47,98%	45,36%	22,92%	29,70%	29,12%	31,77%	34,63%	30,42%
Otros	8.444	12.188	19.537	54.575	34.474	39.679	15,45%	15,44%	17,69%	37,02%	28,97%	33,92%	5,13%	4,59%	4,83%	10,83%	5,94%	6,52%
TOTAL	164.643	265.545	404.515	503.868	580.061	608.207	19,25%	23,20%	27,04%	33,81%	34,40%	34,82%	100,00%	100,00%	100,00%	100,00%	100,00%	100,00%
CENTRO AMER.																		
Gas licuado	554	931	1.323	1.635	2.081	2.327	1,20%	1,50%	1,58%	1,41%	1,40%	1,44%	2,48%	2,90%	3,77%	4,96%	5,59%	5,20%
Gasolinas	5.063	7.192	7.481	7.096	8.464	9.889	2,22%	2,33%	1,94%	1,81%	1,71%	1,92%	22,67%	22,41%	21,33%	21,52%	22,75%	22,10%
Keroseno	1.850	1.752	2.118	2.131	2.396	2.744	2,93%	2,31%	2,18%	2,59%	2,89%	3,12%	8,28%	5,46%	6,04%	6,46%	6,44%	6,13%
Diesel- oil	6.316	10.185	12.692	12.782	14.936	18.188	3,35%	3,82%	3,29%	3,42%	3,53%	3,97%	28,28%	31,73%	36,19%	38,76%	40,14%	40,65%
Fuel- oil	6.634	10.071	10.429	8.334	8.164	10.395	2,42%	2,86%	2,41%	2,20%	1,95%	2,55%	29,70%	31,38%	29,74%	25,27%	21,94%	23,24%
Otros	1.918	1.964	1.023	1.003	1.165	1.195	3,51%	2,49%	0,93%	0,68%	0,98%	1,02%	8,59%	6,12%	2,92%	3,04%	3,13%	2,67%
TOTAL	22.335	32.095	35.066	32.981	37.206	44.738	2,61%	2,80%	2,34%	2,21%	2,21%	2,56%	100,00%	100,00%	100,00%	100,00%	100,00%	100,00%
CARIBE																		
Gas licuado	1.080	1.629	2.154	2.930	2.766	2.580	2,34%	2,62%	2,57%	2,53%	1,87%	1,59%	1,30%	1,52%	1,75%	2,54%	2,14%	2,17%
Gasolinas	12.534	19.986	18.200	19.628	21.011	19.016	5,49%	6,49%	4,71%	5,00%	4,25%	3,70%	15,03%	18,63%	14,80%	17,03%	16,27%	15,97%
Keroseno	5.429	6.156	8.406	8.760	10.363	9.446	8,60%	8,12%	8,65%	10,65%	12,51%	10,75%	6,51%	5,74%	6,84%	7,60%	8,02%	7,93%
Diesel- oil	14.336	21.143	24.898	25.008	28.993	26.780	7,60%	7,92%	6,45%	6,68%	6,85%	5,85%	17,19%	19,71%	20,25%	21,69%	22,45%	22,49%
Fuel- oil	45.583	53.572	64.181	54.929	61.822	57.536	16,61%	15,20%	14,85%	14,52%	14,77%	14,10%	54,66%	49,95%	52,20%	47,65%	47,87%	48,32%
Otros	4.425	4.764	5.115	4.018	4.190	3.713	8,10%	6,04%	4,63%	2,73%	3,52%	3,17%	5,31%	4,44%	4,16%	3,49%	3,24%	3,12%
TOTAL	83.387	107.250	122.954	115.273	129.145	119.071	9,75%	9,37%	8,22%	7,73%	7,66%	6,82%	100,00%	100,00%	100,00%	100,00%	100,00%	100,00%

ZONA ANDINA																			
Gas licuado	8.057	11.207	11.974	18.573	27.763	29.910	17,45%	18,06%	14,31%	16,06%	18,74%	18,46%	4,00%	5,29%	4,05%	6,47%	9,12%	9,36%	
Gasolinas	63.034	82.492	108.458	110.600	127.369	133.380	27,59%	26,77%	28,07%	28,15%	25,77%	25,93%	31,31%	38,96%	36,72%	38,53%	41,84%	41,72%	
Keroseno	18.546	22.315	29.911	22.744	22.318	23.661	29,39%	29,42%	30,78%	27,66%	26,95%	26,92%	9,21%	10,54%	10,13%	7,92%	7,33%	7,40%	
Diesel- oil	48.507	46.173	72.066	57.652	68.987	75.068	25,72%	17,30%	18,68%	15,41%	16,29%	16,40%	24,09%	21,80%	24,40%	20,08%	22,66%	23,48%	
Fuel- oil	51.267	34.955	49.958	51.000	41.269	43.328	18,68%	9,92%	11,56%	13,48%	9,86%	10,62%	25,47%	16,51%	16,91%	17,77%	13,56%	13,55%	
Otros	11.911	14.619	23.036	26.473	16.737	14.339	21,79%	18,52%	20,86%	17,96%	14,07%	12,26%	5,92%	6,90%	7,80%	9,22%	5,50%	4,49%	
TOTAL	201.322	211.761	295.403	287.042	304.443	319.686	23,53%	18,51%	19,75%	19,26%	18,05%	18,30%	100,00%	100,00%	100,00%	100,00%	100,00%	100,00%	
BRASIL																			
Gas licuado	9.636	14.207	21.440	28.671	40.184	40.951	20,87%	22,89%	25,63%	24,79%	27,12%	25,27%	5,48%	4,56%	5,47%	8,34%	9,37%	9,47%	
Gasolinas	51.993	87.175	81.485	80.326	108.469	107.493	22,76%	28,29%	21,09%	20,45%	21,95%	20,90%	29,57%	27,96%	20,78%	23,37%	25,29%	24,85%	
Keroseno	8.026	12.464	15.480	14.711	15.566	16.807	12,72%	16,43%	15,93%	17,89%	18,80%	19,13%	4,56%	4,00%	3,95%	4,28%	3,63%	3,89%	
Diesel- oil	39.808	73.297	114.575	123.269	149.324	159.389	21,11%	27,46%	29,70%	32,94%	35,26%	34,82%	22,64%	23,50%	29,23%	35,87%	34,81%	36,85%	
Fuel- oil	55.964	100.517	123.703	57.020	76.775	73.013	20,39%	28,53%	28,62%	15,08%	18,34%	17,90%	31,82%	32,23%	31,55%	16,59%	17,90%	16,88%	
Otros	10.432	24.176	35.359	39.676	38.621	34.873	19,09%	30,63%	32,02%	26,92%	32,46%	29,82%	5,93%	7,75%	9,02%	11,54%	9,00%	8,06%	
TOTAL	175.859	311.836	392.042	343.673	428.939	432.526	20,56%	27,25%	26,21%	23,06%	25,44%	24,76%	100,00%	100,00%	100,00%	100,00%	100,00%	100,00%	
CONO SUR																			
Gas licuado	10.096	11.595	13.720	13.058	15.487	16.056	21,87%	18,68%	16,40%	11,29%	10,45%	9,91%	4,80%	5,29%	5,58%	6,61%	7,34%	7,21%	
Gasolinas	43.462	43.418	56.858	47.660	51.401	49.860	19,02%	14,09%	14,72%	12,13%	10,40%	9,69%	20,66%	19,82%	23,12%	24,11%	24,37%	22,39%	
Keroseno	14.256	14.386	15.386	11.756	12.663	13.792	22,60%	18,97%	15,83%	14,30%	15,29%	15,69%	6,78%	6,57%	6,26%	5,95%	6,00%	6,19%	
Diesel- oil	47.288	53.836	67.395	66.672	73.233	81.152	25,08%	20,17%	17,47%	17,82%	17,29%	17,73%	22,48%	24,58%	27,40%	33,73%	34,72%	36,45%	
Fuel- oil	77.694	74.597	66.201	36.864	35.100	38.628	28,30%	21,17%	15,31%	9,75%	8,38%	9,47%	36,94%	34,05%	26,92%	18,65%	16,64%	17,35%	
Otros	17.522	21.226	26.371	21.660	23.023	23.162	32,06%	26,89%	23,88%	14,69%	19,35%	19,80%	8,33%	9,69%	10,72%	10,96%	10,92%	10,40%	
TOTAL	210.318	219.058	245.931	197.670	210.907	222.650	24,58%	19,14%	16,44%	13,26%	12,51%	12,75%	100,00%	100,00%	100,00%	100,00%	100,00%	100,00%	
A. Ly C.																			
Gas licuado	46.168	62.059	83.657	115.633	148.158	162.063							5,40%	5,42%	5,59%	7,76%	8,79%	9,28%	
Gasolinas	228.485	308.176	386.388	392.850	494.203	514.312							26,71%	26,93%	25,83%	26,36%	29,31%	29,44%	
Keroseno	63.093	75.844	97.183	82.225	82.810	87.878							7,38%	6,63%	6,50%	5,52%	4,91%	5,03%	
Diesel- oil	188.575	266.959	385.778	374.170	423.527	457.735							22,04%	23,33%	25,79%	25,10%	25,12%	26,20%	
Fuel- oil	274.501	352.369	432.266	378.222	418.652	407.930							32,09%	30,79%	28,90%	25,38%	24,83%	23,35%	
Otros	54.652	78.937	110.441	147.405	118.982	116.961							6,39%	6,90%	7,38%	9,89%	7,06%	6,70%	
TOTAL	855.474	1.144.344	1.495.713	1.490.505	1.686.332	1.746.879							100,00%	100,00%	100,00%	100,00%	100,00%	100,00%	

AREAS	CONSUMO FINAL SECTORIAL						CONSUMO FINAL SECTORIAL						CONSUMO FINAL SECTORIAL					
	(Miles de BEP)						(Porcentaje sobre la región)						(Porcentaje sobre la subregión)					
	1970	1975	1980	1985	1990	1992	1970	1975	1980	1985	1990	1992	1970	1975	1980	1985	1990	1992
MEXICO																		
Transporte	74.224	111.145	177.795	188.460	231.018	249.266	22,17%	22,89%	28,01%	28,72%	29,82%	30,16%	30,83%	34,04%	40,51%	38,89%	40,32%	41,68%
Industria	74.483	97.304	112.300	133.869	143.381	140.501	18,41%	19,23%	17,28%	19,54%	19,00%	17,81%	30,94%	29,80%	25,58%	27,63%	25,03%	23,49%
Resid + Serv.	72.299	88.440	105.654	119.689	128.470	139.488	16,71%	18,34%	19,88%	21,19%	21,34%	22,25%	30,03%	27,08%	24,07%	24,70%	22,42%	23,33%
Agro + Otros	8.772	12.620	17.233	16.574	16.552	15.541	10,74%	13,54%	15,36%	14,54%	13,47%	12,66%	3,64%	3,86%	3,93%	3,42%	2,89%	2,60%
No energético	10.952	17.024	25.960	25.960	53.479	53.210	25,80%	23,75%	24,27%	17,08%	31,72%	33,12%	4,55%	5,21%	5,91%	5,36%	9,33%	8,90%
TOTAL	240.730	326.533	438.942	484.552	572.900	598.006	18,57%	19,93%	21,57%	22,31%	23,65%	23,68%	100,00%	100,00%	100,00%	100,00%	100,00%	100,00%
CENTRO AMER.																		
Transporte	8.888	12.859	15.391	15.696	19.656	22.636	2,66%	2,65%	2,43%	2,39%	2,54%	2,74%	15,40%	17,81%	19,11%	18,18%	20,77%	22,49%
Industria	11.996	14.226	16.654	15.685	17.987	19.701	2,96%	2,81%	2,56%	2,29%	2,38%	2,50%	20,78%	19,71%	20,68%	18,16%	19,01%	19,57%
Resid + Serv.	35.663	43.393	47.290	53.215	55.032	56.392	8,24%	9,00%	8,90%	9,42%	9,14%	8,99%	61,77%	60,12%	58,72%	61,62%	58,15%	56,02%
Agro + Otros	675	958	761	1.004	783	739	0,83%	1,03%	0,68%	0,88%	0,64%	0,60%	1,17%	1,33%	0,94%	1,16%	0,83%	0,73%
No energético	509	746	436	760	1.173	1.196	1,20%	1,04%	0,41%	0,50%	0,70%	0,74%	0,88%	1,03%	0,54%	0,88%	1,24%	1,19%
TOTAL	57.731	72.182	80.532	86.360	94.631	100.664	4,45%	4,40%	3,96%	3,98%	3,91%	3,99%	100,00%	100,00%	100,00%	100,00%	100,00%	100,00%
CARIBE																		
Transporte	22.142	29.161	32.557	33.049	37.222	34.282	6,61%	6,01%	5,13%	5,04%	4,81%	4,15%	19,08%	23,93%	23,05%	22,84%	20,77%	19,83%
Industria	64.576	58.193	65.300	60.022	80.042	81.498	15,96%	11,50%	10,05%	8,76%	10,61%	10,33%	55,64%	47,75%	46,23%	41,48%	44,67%	47,14%
Resid + Serv.	19.638	23.146	28.815	31.999	29.885	29.859	4,54%	4,80%	5,42%	5,67%	4,96%	4,76%	16,92%	18,99%	20,40%	22,11%	16,68%	17,27%
Agro + Otros	5.665	6.686	7.727	8.485	15.050	13.862	6,93%	7,17%	6,89%	7,44%	12,25%	11,29%	4,88%	5,49%	5,47%	5,86%	8,40%	8,02%
No energético	4.043	4.676	6.859	11.145	16.984	13.397	9,52%	6,52%	6,41%	7,33%	10,08%	8,34%	3,48%	3,84%	4,86%	7,70%	9,48%	7,75%
TOTAL	116.064	121.862	141.258	144.700	179.183	172.898	8,95%	7,44%	6,94%	6,66%	7,40%	6,85%	100,00%	100,00%	100,00%	100,00%	100,00%	100,00%
ZONA ANDINA																		
Transporte	61.201	98.614	129.173	138.490	153.454	161.834	18,28%	20,31%	20,35%	21,10%	19,81%	19,58%	27,44%	33,38%	33,17%	32,42%	32,77%	31,94%
Industria	57.760	82.961	122.957	134.267	153.254	173.838	14,27%	16,40%	18,92%	19,60%	20,31%	22,04%	25,90%	28,08%	31,58%	31,43%	32,73%	34,31%
Resid + Serv.	78.914	85.743	100.966	117.293	124.088	133.750	18,24%	17,78%	19,00%	20,77%	20,62%	21,33%	35,39%	29,02%	25,93%	27,46%	26,50%	26,40%
Agro + Otros	19.913	20.546	24.609	23.285	26.030	25.407	24,37%	22,04%	21,93%	20,43%	21,18%	20,69%	8,93%	6,95%	6,32%	5,45%	5,56%	5,01%
No energético	5.227	7.598	11.682	13.877	11.449	11.803	12,31%	10,60%	10,92%	9,13%	6,79%	7,35%	2,34%	2,57%	3,00%	3,25%	2,44%	2,33%
TOTAL	223.015	295.462	389.387	427.212	468.275	506.632	17,21%	18,03%	19,13%	19,67%	19,33%	20,06%	100,00%	100,00%	100,00%	100,00%	100,00%	100,00%

BRASIL																				
Transporte	92.046	155.276	180.492	190.239	232.378	247.663	27,50%	31,98%	28,44%	28,99%	30,00%	29,97%	21,80%	27,49%	26,65%	26,78%	29,95%	31,07%		
Industria	113.605	170.230	236.461	247.289	263.031	265.700	28,07%	33,64%	36,38%	36,10%	34,85%	33,68%	26,91%	30,14%	34,92%	34,81%	33,90%	33,33%		
Resid + Serv.	166.079	171.585	170.207	157.201	160.895	165.893	26,26%	35,30%	44,50%	43,79%	43,70%	42,38%	39,34%	30,38%	25,13%	22,13%	20,74%	20,81%		
Agro + Otros	40.007	43.251	49.979	52.008	52.394	53.228	48,96%	46,39%	44,54%	45,62%	42,55%	43,34%	9,48%	7,66%	7,38%	7,32%	6,75%	6,68%		
No energètic	10.452	24.442	40.068	63.674	67.148	64.697	94,24%	60,33%	46,73%	34,23%	31,08%	33,13%	2,48%	4,33%	5,92%	8,96%	8,65%	8,12%		
TOTAL	422.189	564.784	677.207	710.411	775.846	797.181	32,57%	34,47%	33,28%	32,71%	32,02%	31,56%	100,00%	100,00%	100,00%	100,00%	100,00%	100,00%		
CONO SUR																				
Transporte	76.257	78.540	99.261	90.304	100.912	110.747	22,78%	16,17%	15,64%	13,76%	13,03%	13,40%	32,26%	30,48%	32,35%	30,00%	30,40%	31,62%		
Industria	82.265	83.056	95.273	93.888	97.047	107.617	20,33%	16,42%	14,66%	13,71%	12,86%	13,64%	34,80%	32,23%	31,05%	31,20%	29,24%	30,72%		
Resid + Serv.	59.994	69.903	78.460	85.471	103.546	101.549	13,87%	14,50%	14,76%	15,13%	17,20%	16,20%	25,38%	27,13%	25,57%	28,40%	31,20%	28,99%		
Agro + Otros	6.578	9.165	11.909	12.355	12.067	14.013	8,05%	9,83%	10,61%	10,84%	9,82%	11,41%	2,78%	3,56%	3,88%	4,11%	3,64%	4,00%		
No energètic	11.266	17.004	21.938	18.951	18.342	16.365	26,54%	23,72%	20,51%	12,47%	10,88%	10,19%	4,77%	6,60%	7,15%	6,30%	5,53%	4,67%		
TOTAL	236.360	257.668	306.841	300.969	331.914	350.291	18,23%	15,72%	15,08%	13,86%	13,70%	13,87%	100,00%	100,00%	100,00%	100,00%	100,00%	100,00%		
A. L y C.																				
Transporte	334.758	485.595	634.669	656.238	774.640	826.428							25,83%	29,63%	31,19%	30,21%	31,97%	32,72%		
Industria	404.685	505.970	649.945	685.020	754.742	788.855							31,22%	30,88%	31,94%	31,54%	31,15%	31,23%		
Resid + Serv.	432.587	482.210	531.392	564.761	601.916	626.931							33,37%	29,43%	26,11%	26,00%	24,84%	24,82%		
Agro + Otros	81.710	93.226	112.218	113.980	122.876	122.790							6,30%	5,69%	5,51%	5,25%	5,07%	4,86%		
No energètic	42.451	71.693	106.943	151.956	168.575	160.668							3,28%	4,38%	5,25%	7,00%	6,96%	6,36%		
TOTAL	1.296.191	1.638.694	2.035.167	2.171.955	2.422.749	2.525.672							100,00%	100,00%	100,00%	100,00%	100,00%	100,00%		

ESTRUCTURA ENERGETICA ARGENTINA.

RESERVAS/PRODUCCION									
AÑOS	PETROLEO			GAS NATURAL			CARBON MINERAL		
	RESERV.	PRODUC.	R/P	RESERV.	PRODUC.	R/P	RESERV.	PRODUC.	R/P
	(Millones de barriles)	(años)		(Miles de mill. de m3)	(años)		Millones Tn)	(años)	
1970	2.469	143,4	17,2	171	8,16	21	N/D	0,615	
1971	2.466	154,5	16	190	8,71	21,8	N/D	0,632	
1972	2.480	158,5	15,7	197	8,65	22,8	N/D	0,676	
1973	2.508	153,7	16,3	202	9,22	21,9	N/D	0,451	
1974	2.463	151,1	16,3	201	8,92	22,5	N/D	0,625	
1975	2.453	144,5	17	200	10,61	18,9	N/D	0,502	
1976	2.393	145,6	16,4	197	11,78	16,7	N/D	0,615	
1977	2.317	157,5	14,7	246	11,92	20,6	N/D	0,534	
1978	2.425	165,1	14,7	432	11,92	36,3	N/D	0,434	
1979	2.448	172,5	14,2	574	13,45	42,7	N/D	0,727	
1980	2.464	179,6	13,7	641	14,47	44,5	N/D	0,39	
1981	2.426	181,5	13,4	648	14,53	44,6	N/D	0,498	
1982	2.429	179,1	13,6	692	16,13	42,9	N/D	0,515	
1983	2.450	179,1	13,7	679	17,56	38,7	N/D	0,486	
1984	2.348	175,1	13,4	668	19,42	34,4	N/D	0,508	
1985	2.317	167,7	13,8	682	20	34,1	N/D	0,4	
1986	2.233	158,4	14,1	671	20,15	33,3	N/D	0,364	
1987	2.247	156,4	14,4	693	20,15	34,4	7.930	0,373	21.260,10
1988	2.280	164,3	13,9	733	23,81	30,8	8.034	0,512	15.691,40
1989	2.168	168	12,9	744	24,84	29,9	8.034	0,515	15.600,00
1990	1.570	175,8	8,9	580	23,62	24,5	7.639	0,277	27.577,60
1991	1.608	180	8,9	596	24,64	24,2	7.648	0,292	26.191,80
1992	1.683	201,1	8,4	593	22,47	26,4	7.648	0,207	36.946,90

AÑOS	CAPACIDAD INSTALADA. CENTRALES ELECTRICAS (MW)					
	HIDRAUL.	TERMICA	TURBO GA	DIESEL	NUCLEAR	TOTAL
1970	609	4.087	501	1.494	0	6.691
1975	1.530	4.472	1.422	1.466	340	9.230
1980	3.625	4.844	1.718	1.462	370	12.019
1985	5.991	5.470	2.112	1.367	1.018	15.958
1986	6.216	5.489	2.180	1.346	1.018	16.249
1987	6.591	5.489	2.184	1.308	1.018	16.590
1988	6.591	5.524	2.185	1.232	1.018	16.550
1989	6.497	5.820	2.200	1.520	1.018	17.055
1990	6.501	5.924	2.137	1.506	1.018	17.086
1991	6.610	6.924	1.875	1.373	1.018	17.800
1992	6.610	6.924	1.875	1.373	1.018	17.800

AÑOS	CAPACIDAD INSTALADA. CENTRALES ELECTRICAS .					
	HIDRAUL.	TERMICA	TURBO GA	DIESEL	NUCLEAR	TOTAL
1970	9,10%	61,08%	7,49%	22,33%	0,00%	100,00%
1975	16,58%	48,45%	15,41%	15,88%	3,68%	100,00%
1980	30,16%	40,30%	14,29%	12,16%	3,08%	100,00%
1985	37,54%	34,28%	13,23%	8,57%	6,38%	100,00%
1986	38,25%	33,78%	13,42%	8,28%	6,27%	100,00%
1987	39,73%	33,09%	13,16%	7,88%	6,14%	100,00%
1988	39,82%	33,38%	13,20%	7,44%	6,15%	100,00%
1989	38,09%	34,12%	12,90%	8,91%	5,97%	100,00%
1990	38,05%	34,67%	12,51%	8,81%	5,96%	100,00%
1991	37,13%	38,90%	10,53%	7,71%	5,72%	100,00%
1992	37,13%	38,90%	10,53%	7,71%	5,72%	100,00%

PRODUCCION DE ENERGIA PRIMARIA										
(Miles de BEP)										
	1970	1975	1980	1985	1986	1987	1988	1989	1990	1991
Petróleo	145.394	146.475	182.172	170.110	160.569	158.523	166.596	170.352	178.286	182.505
Gas natur.	48.838	63.454	86.222	119.636	120.539	120.521	142.410	148.564	141.304	147.380
Carbón mi	2.615	2.134	1.658	1.701	1.547	1.586	2.177	2.189	1.178	1.241
Hidroener.	1.253	4.027	10.836	13.919	13.840	14.820	10.771	9.519	10.103	9.526
Nuclear	0	4.063	3.920	8.411	8.339	9.124	7.912	6.700	7.056	10.905
Leña	7.372	4.266	4.524	4.122	4.892	4.914	5.153	5.189	5.138	5.138
Prod. caña	3.454	5.314	6.718	5.520	5.357	5.873	5.503	4.418	4.410	3.185
Otras	6.162	4.051	4.264	5.011	5.302	5.778	4.634	5.977	5.686	5.764
TOTAL	215.088	233.784	300.314	328.430	320.385	321.139	345.156	352.908	353.161	365.644

PRODUCCION DE ENERGIA PRIMARIA										
(Porcentaje sobre el total)										
	1970	1975	1980	1985	1986	1987	1988	1989	1990	1991
Petróleo	67,60%	62,65%	60,66%	51,79%	50,12%	49,36%	48,27%	48,27%	50,48%	49,91%
Gas natur.	22,71%	27,14%	28,71%	36,43%	37,62%	37,53%	41,26%	42,10%	40,01%	40,31%
Carbón mi	1,22%	0,91%	0,55%	0,52%	0,48%	0,49%	0,63%	0,62%	0,33%	0,34%
Hidroener.	0,58%	1,72%	3,61%	4,24%	4,32%	4,61%	3,12%	2,70%	2,86%	2,61%
Nuclear	0,00%	1,74%	1,31%	2,56%	2,60%	2,84%	2,29%	1,90%	2,00%	2,98%
Leña	3,43%	1,82%	1,51%	1,26%	1,53%	1,53%	1,49%	1,47%	1,45%	1,41%
Prod. caña	1,61%	2,27%	2,24%	1,68%	1,67%	1,83%	1,59%	1,25%	1,25%	0,87%
Otras	2,86%	1,73%	1,42%	1,53%	1,65%	1,80%	1,34%	1,69%	1,61%	1,58%
TOTAL	100,00%	100,00%	100,00%	100,00%	100,00%	100,00%	100,00%	100,00%	100,00%	100,00%

PRODUCCION DE ENERGIA SECUNDARIA										
(Miles de BEP)										
	1970	1975	1980	1985	1986	1987	1988	1989	1990	1991
Electric.	13.466	18.181	23.884	26.387	27.586	30.608	32.337	31.499	30.277	33.492
Gas licuad	4.124	4.682	6.337	8.878	8.848	8.582	9.203	9.816	9.924	11.817
Gasolinas	30.812	33.821	44.148	39.505	39.144	37.987	38.306	43.545	45.853	47.826
Kerosene	8.792	9.236	10.160	8.211	8.276	7.917	7.988	8.553	8.732	7.862
Diesel-oil	35.201	40.059	55.557	57.561	56.064	54.580	56.914	56.933	59.971	62.126
Fuel-oil	62.163	57.564	57.254	42.209	38.752	35.521	35.521	33.915	32.394	27.539
Coques	720	735	289	1.666	1.362	1.088	1.524	1.896	1.372	1.573
Carbón ve	2.445	1.391	1.738	1.297	1.499	1.499	1.635	1.616	1.592	1.686
Gases	6.782	7.140	6.797	6.454	6.047	6.602	6.928	7.578	6.923	6.766
Otras	3.582	3.589	4.613	5.345	5.721	5.501	6.118	6.672	6.809	7.033
No energèt	6.678	10.590	12.886	10.376	11.329	12.001	11.136	11.612	10.752	8.574
TOTAL	174.765	186.988	223.663	207.889	204.628	201.886	207.610	213.635	214.599	216.294

PRODUCCION DE ENERGIA SECUNDARIA

(Porcentaje sobre el total de energía secundaria)

	1970	1975	1980	1985	1986	1987	1988	1989	1990	1991
Electric.	7,71%	9,72%	10,68%	12,69%	13,48%	15,16%	15,58%	14,74%	14,11%	15,48%
Gas licuad	2,36%	2,50%	2,83%	4,27%	4,32%	4,25%	4,43%	4,59%	4,62%	5,46%
Gasolinas	17,63%	18,09%	19,74%	19,00%	19,13%	18,82%	18,45%	20,38%	21,37%	22,11%
Kerosene	5,03%	4,94%	4,54%	3,95%	4,04%	3,92%	3,85%	4,00%	4,07%	3,63%
Diesel-oil	20,14%	21,42%	24,84%	27,69%	27,40%	27,04%	27,41%	26,65%	27,95%	28,72%
Fuel-oil	35,57%	30,78%	25,60%	20,30%	18,94%	17,59%	17,11%	15,88%	15,10%	12,73%
Coques	0,41%	0,39%	0,13%	0,80%	0,67%	0,54%	0,73%	0,89%	0,64%	0,73%
Carbón ve	1,40%	0,74%	0,78%	0,62%	0,73%	0,74%	0,79%	0,76%	0,74%	0,78%
Gases	3,88%	3,82%	3,04%	3,10%	2,96%	3,27%	3,34%	3,55%	3,23%	3,13%
Otras	2,05%	1,92%	2,06%	2,57%	2,80%	2,72%	2,95%	3,12%	3,17%	3,25%
No energèt	3,82%	5,66%	5,76%	4,99%	5,54%	5,94%	5,36%	5,44%	5,01%	3,96%
TOTAL	100,00%	100,00%	100,00%	100,00%	100,00%	100,00%	100,00%	100,00%	100,00%	100,00%

OFERTA TOTAL DE ENERGIA PRIMARIA

(Miles de BEP)

	1970	1975	1980	1985	1986	1987	1988	1989	1990	1991
Petróleo	157.465	160.887	195.187	169.469	159.273	157.428	160.810	164.040	172.298	174.222
Gas natur.	38.683	59.692	78.738	110.575	116.813	118.930	138.044	145.837	138.307	146.315
Carbón mi	7.670	9.674	8.168	6.927	8.448	8.985	9.089	9.326	6.966	6.401
Hidroener.	1.253	4.027	10.836	13.919	13.840	14.820	10.771	9.519	10.103	9.526
Nuclear	0	4.063	3.920	8.411	8.339	9.124	7.912	6.700	7.056	10.905
Leña	7.372	4.266	4.524	4.122	4.892	4.914	5.153	5.189	5.138	5.138
Prod. caña	3.454	5.314	6.718	5.520	5.357	5.873	5.503	4.418	4.410	3.185
Otras	6.162	4.051	4.264	5.011	5.302	5.778	4.634	5.977	5.686	5.764
TOTAL	222.059	251.974	312.355	323.954	322.264	325.852	341.916	351.006	349.964	361.456

OFERTA TOTAL DE ENERGIA PRIMARIA

(Porcentaje sobre el total)

	1970	1975	1980	1985	1986	1987	1988	1989	1990	1991
Petróleo	70,91%	63,85%	62,49%	52,31%	49,42%	48,31%	47,03%	46,73%	49,23%	48,20%
Gas natur.	17,42%	23,69%	25,21%	34,13%	36,25%	36,50%	40,37%	41,55%	39,52%	40,48%
Carbón mi	3,45%	3,84%	2,61%	2,14%	2,62%	2,76%	2,66%	2,66%	1,99%	1,77%
Hidroener.	0,56%	1,60%	3,47%	4,30%	4,29%	4,55%	3,15%	2,71%	2,89%	2,64%
Nuclear	0,00%	1,61%	1,25%	2,60%	2,59%	2,80%	2,31%	1,91%	2,02%	3,02%
Leña	3,32%	1,69%	1,45%	1,27%	1,52%	1,51%	1,51%	1,48%	1,47%	1,42%
Prod. caña	1,56%	2,11%	2,15%	1,70%	1,66%	1,80%	1,61%	1,26%	1,26%	0,88%
Otras	2,77%	1,61%	1,37%	1,55%	1,65%	1,77%	1,36%	1,70%	1,62%	1,59%
TOTAL	100,00%	100,00%	100,00%	100,00%	100,00%	100,00%	100,00%	100,00%	100,00%	100,00%

OFERTA TOTAL DE ENERGIA SECUNDARIA

(Miles de BEP)

	1970	1975	1980	1985	1986	1987	1988	1989	1990	1991
Electric.	13.466	18.253	24.619	28.044	29.539	32.503	32.691	32.301	31.886	33.652
Gas licuad	7.073	7.805	9.019	8.759	8.818	9.119	8.996	9.088	9.573	9.612
Gasolinas	31.163	34.260	45.251	37.378	38.738	38.793	34.797	35.915	37.522	36.001
Kerosene	8.949	9.607	10.981	9.020	7.593	9.410	8.828	8.640	8.499	7.725
Diesel-oil	38.701	43.388	52.170	50.383	52.394	55.861	56.026	48.872	49.469	49.308
Fuel-oil	59.787	57.241	47.591	26.214	31.632	34.883	34.785	25.767	21.279	26.876
Coques	735	147	412	784	505	588	833	642	603	745
Carbón ve	2.445	1.391	1.738	1.297	1.499	1.499	1.635	1.616	1.592	1.686
Gases	6.668	6.767	6.797	6.376	5.909	6.455	6.717	7.199	6.561	6.449
Otras	2.771	1.969	4.108	3.518	5.110	5.316	5.924	5.108	5.354	5.160
No energèt	7.531	10.612	12.978	9.666	10.746	11.304	10.982	10.255	9.647	7.469
TOTAL	179.289	191.440	215.664	181.439	192.483	205.731	202.214	185.403	181.985	184.683

OFERTA TOTAL DE ENERGIA SECUNDARIA

(Porcentaje sobre el total)

	1970	1975	1980	1985	1986	1987	1988	1989	1990	1991
Electric.	7,51%	9,53%	11,42%	15,46%	15,35%	15,80%	16,17%	17,42%	17,52%	18,22%
Gas licuad	3,95%	4,08%	4,18%	4,83%	4,58%	4,43%	4,45%	4,90%	5,26%	5,20%
Gasolinas	17,38%	17,90%	20,98%	20,60%	20,13%	18,86%	17,21%	19,37%	20,62%	19,49%
Kerosene	4,99%	5,02%	5,09%	4,97%	3,94%	4,57%	4,37%	4,66%	4,67%	4,18%
Diesel-oil	21,59%	22,66%	24,19%	27,77%	27,22%	27,15%	27,71%	26,36%	27,18%	26,70%
Fuel-oil	33,35%	29,90%	22,07%	14,45%	16,43%	16,96%	17,20%	13,90%	11,69%	14,55%
Coques	0,41%	0,08%	0,19%	0,43%	0,26%	0,29%	0,41%	0,35%	0,33%	0,40%
Carbón ve	1,36%	0,73%	0,81%	0,71%	0,78%	0,73%	0,81%	0,87%	0,87%	0,91%
Gases	3,72%	3,53%	3,15%	3,51%	3,07%	3,14%	3,32%	3,88%	3,61%	3,49%
Otras	1,55%	1,03%	1,90%	1,94%	2,65%	2,58%	2,93%	2,76%	2,94%	2,79%
No energèt	4,20%	5,54%	6,02%	5,33%	5,58%	5,49%	5,43%	5,53%	5,30%	4,04%
TOTAL	100,00%	100,00%	100,00%	100,00%	100,00%	100,00%	100,00%	100,00%	100,00%	100,00%

CONSUMO FINAL SECTORIAL

(Miles de BEP)

	1970	1975	1980	1985	1986	1987	1988	1989	1990	1991
Transporte	55.225	60.497	74.824	67.022	69.538	71.096	69.222	67.251	68.143	72.636
Industria	54.921	56.197	60.684	59.894	61.673	70.712	66.534	60.948	57.895	61.931
Res. + Serv	32.692	40.853	47.296	52.643	55.044	31.359	65.723	59.899	62.920	63.927
Agro+Otr	6.095	8.563	10.654	11.232	11.435	13.836	11.133	10.735	11.060	12.054
Energético	148.933	166.110	193.458	190.791	197.690	217.003	212.612	198.833	200.018	210.548
No energèt	10.557	16.035	20.122	17.376	18.297	18.884	17.674	17.808	17.401	15.787
TOTAL	159.490	182.145	213.580	208.167	215.987	235.887	230.286	216.641	217.419	226.335

CONSUMO FINAL SECTORIAL

(Porcentaje sobre el total)

	1970	1975	1980	1985	1986	1987	1988	1989	1990	1991
Transporte	34,63 %	33,21 %	35,03 %	32,20 %	32,20 %	30,14 %	30,06 %	31,04 %	31,34 %	32,09 %
Industria	34,44 %	30,85 %	28,41 %	28,77 %	28,55 %	29,98 %	28,89 %	28,13 %	26,63 %	27,36 %
Res. + Serv	20,50 %	22,43 %	22,14 %	25,29 %	25,48 %	13,29 %	28,54 %	27,65 %	28,94 %	28,24 %
Agro+Otr	3,82 %	4,70 %	4,99 %	5,40 %	5,29 %	5,87 %	4,83 %	4,96 %	5,09 %	5,33 %
Energético	93,38 %	91,20 %	90,58 %	91,65 %	91,53 %	91,99 %	92,33 %	91,78 %	92,00 %	93,02 %
No energèt	6,62 %	8,80 %	9,42 %	8,35 %	8,47 %	8,01 %	7,67 %	8,22 %	8,00 %	6,98 %
TOTAL	100,00 %	100,00 %	100,00 %	100,00 %	100,00 %	100,00 %	100,00 %	100,00 %	100,00 %	100,00 %

CONSUMO TOTAL DE DERIVADOS DEL PETROLEO

(Miles de BEP)

	1970	1975	1980	1985	1986	1987	1988	1989	1990	1991
Gas licuad	7.073	7.805	9.019	8.759	8.818	9.119	8.996	9.088	9.573	9.612
Gasolinas	31.163	34.260	45.521	37.378	38.738	38.793	34.797	35.915	37.522	36.001
Kerosene	8.949	9.607	10.981	9.020	7.593	9.410	8.828	8.640	8.499	7.725
Diesel-oil	38.701	43.388	52.170	50.383	52.394	55.861	56.026	48.872	49.469	49.308
Fuel-oil	59.787	57.241	47.591	26.214	31.632	34.883	34.765	25.767	21.279	26.876
Gases	4.597	4.843	5.033	3.892	3.773	4.058	4.129	4.280	3.963	4.230
Otros	11.113	14.201	17.591	15.011	16.467	16.805	17.100	16.927	16.456	14.502
TOTAL	161.383	171.345	187.906	150.657	159.415	168.929	164.641	149.489	146.761	148.254

CONSUMO TOTAL DE DERIVADOS DEL PETROLEO

(Porcentaje sobre el total)

	1970	1975	1980	1985	1986	1987	1988	1989	1990	1991
Gas licuad	4,38 %	4,56 %	4,80 %	5,81 %	5,53 %	5,40 %	5,46 %	6,08 %	6,52 %	6,48 %
Gasolinas	19,31 %	19,99 %	24,23 %	24,81 %	24,30 %	22,96 %	21,14 %	24,03 %	25,57 %	24,28 %
Kerosene	5,55 %	5,61 %	5,84 %	5,99 %	4,76 %	5,57 %	5,36 %	5,78 %	5,79 %	5,21 %
Diesel-oil	23,98 %	25,32 %	27,76 %	33,44 %	32,87 %	33,07 %	34,03 %	32,69 %	33,71 %	33,26 %
Fuel-oil	37,05 %	33,41 %	25,33 %	17,40 %	19,84 %	20,65 %	21,12 %	17,24 %	14,50 %	18,13 %
Gases	2,85 %	2,83 %	2,68 %	2,58 %	2,37 %	2,40 %	2,51 %	2,86 %	2,70 %	2,85 %
Otros	6,89 %	8,29 %	9,36 %	9,96 %	10,33 %	9,95 %	10,39 %	11,32 %	11,21 %	9,78 %
TOTAL	100,00 %	100,00 %	100,00 %	100,00 %	100,00 %	100,00 %	100,00 %	100,00 %	100,00 %	100,00 %

CONSUMO FINAL DE ENERGIA PRIMARIA

(Miles de BEP)

	1970	1975	1980	1985	1986	1987	1988	1989	1990	1991
Gas natur.	20.346	30.585	38.952	55.093	58.478	65.230	70.356	61.373	63.652	70.051
Carbón mi	1.046	676	136	72	72	30	77	72	43	106
Leña	2.161	1.743	1.405	1.599	2.010	2.032	2.088	2.133	2.154	2.154
Prod.caña	3.301	5.137	6.488	5.239	5.054	5.568	5.166	3.886	4.150	2.998
Otras	5.991	3.909	3.944	4.804	5.089	5.686	4.471	5.849	5.544	5.620
TOTAL	32.845	42.050	50.925	66.807	70.703	78.546	82.158	73.313	75.543	80.929

CONSUMO FINAL DE ENERGIA PRIMARIA

(Porcentaje sobre el total)

	1970	1975	1980	1985	1986	1987	1988	1989	1990	1991
Gas natur.	61,95%	72,73%	76,49%	82,47%	82,71%	83,05%	85,63%	83,71%	84,26%	86,56%
Carbón mi	3,18%	1,61%	0,27%	0,11%	0,10%	0,04%	0,09%	0,10%	0,06%	0,13%
Leña	6,58%	4,15%	2,76%	2,39%	2,84%	2,59%	2,54%	2,91%	2,85%	2,66%
Prod.caña	10,05%	12,22%	12,74%	7,84%	7,15%	7,09%	6,29%	5,30%	5,49%	3,70%
Otras	18,24%	9,30%	7,74%	7,19%	7,20%	7,24%	5,44%	7,98%	7,34%	6,94%
TOTAL	100,00%	100,00%	100,00%	100,00%	100,00%	100,00%	100,00%	100,00%	100,00%	100,00%

CONSUMO FINAL DE ENERGIA SECUNDARIA

(Miles de BEP)

	1970	1975	1980	1985	1986	1987	1988	1989	1990	1991
Electric.	11.074	15.325	20.375	22.838	23.177	26.347	26.941	25.133	25.014	26.202
Gas licuad	6.882	7.826	8.883	8.437	8.450	8.784	8.538	8.302	8.856	8.972
Gasolinas	30.472	32.664	45.271	37.592	38.608	38.755	34.711	35.383	36.728	35.554
Kerosene	8.402	9.188	10.004	7.653	8.211	8.636	8.253	8.198	7.809	7.580
Diesel-oil	30.671	35.693	43.345	43.324	44.909	48.092	46.780	43.812	44.390	48.738
Fuel-oil	26.360	24.839	18.147	8.280	8.055	11.011	7.562	6.661	4.542	5.887
Coques	730	505	240	309	475	485	661	1.053	980	735
Carbón ve	1.808	642	1.016	375	618	735	937	866	843	843
Gases	1.775	2.369	1.721	1.437	372	1.135	1.379	1.606	1.300	1.362
Otras sec.	1.300	853	1.308	1.343	1.265	1.613	1.607	1.427	1.153	1.297
No energèt	7.171	10.191	12.345	9.772	11.144	11.748	10.759	10.887	10.261	8.236
TOTAL	126.645	140.095	162.655	141.360	145.284	157.341	148.128	143.328	141.876	145.406

CONSUMO FINAL DE ENERGIA SECUNDARIA

(Porcentaje sobre el total)

	1970	1975	1980	1985	1986	1987	1988	1989	1990	1991
Electric.	8,74%	10,94%	12,53%	16,16%	15,95%	16,75%	18,19%	17,54%	17,63%	18,02%
Gas licuad	5,43%	5,59%	5,46%	5,97%	5,82%	5,58%	5,76%	5,79%	6,24%	6,17%
Gasolinas	24,06%	23,32%	27,83%	26,59%	26,57%	24,63%	23,43%	24,69%	25,89%	24,45%
Kerosene	6,63%	6,56%	6,15%	5,41%	5,65%	5,49%	5,57%	5,72%	5,50%	5,21%
Diesel-oil	24,22%	25,48%	26,65%	30,65%	30,91%	30,57%	31,58%	30,57%	31,29%	33,52%
Fuel-oil	20,81%	17,73%	11,16%	5,86%	5,54%	7,00%	5,11%	4,65%	3,20%	4,05%
Coques	0,58%	0,36%	0,15%	0,22%	0,33%	0,31%	0,45%	0,73%	0,69%	0,51%
Carbón ve	1,43%	0,46%	0,62%	0,27%	0,43%	0,47%	0,63%	0,60%	0,59%	0,58%
Gases	1,40%	1,69%	1,06%	1,02%	0,26%	0,72%	0,93%	1,12%	0,92%	0,94%
Otras sec.	1,03%	0,61%	0,80%	0,95%	0,87%	1,03%	1,08%	1,00%	0,81%	0,89%
No energèt	5,66%	7,27%	7,59%	6,91%	7,67%	7,47%	7,26%	7,60%	7,23%	5,66%
TOTAL	100,00%	100,00%	100,00%	100,00%	100,00%	100,00%	100,00%	100,00%	100,00%	100,00%

ESTRUCTURA ENERGETICA BRASILEÑA.

RESERVAS/PRODUCCION									
AÑOS	PETROLEO			GAS NATURAL			CARBON MINERAL		
	RESERV.	PRODUC.	R/P	RESERV.	PRODUC.	R/P	RESERV.	PRODUC.	R/P
	(Millones de barriles)	(años)		(Miles de mill. de m3)	(años)		illones Tn)	(años)	
1970	857	59,96	14,3	27	8,16	22,5	N/D	2,277	
1971	856	62,23	13,8	26	1,182	25,6	N/D	2,422	
1972	798	61,08	13,1	26	1,022	26,8	N/D	2,432	
1973	774	62,11	12,5	26	0,977	29,7	N/D	2,306	
1974	753	64,74	11,6	26	0,871	25,7	N/D	3,185	
1975	759	62,63	12,1	26	1,071	24,2	N/D	2,653	
1976	855	61,09	14	34	1,167	29,1	N/D	3,256	
1977	1.094	58,68	18,6	40	1,3	30,4	N/D	2,796	
1978	1.126	60,42	19,2	44	1,586	28	N/D	4,268	
1979	1.248	66,42	20,7	45	1,707	26,4	N/D	4,742	
1980	1.318	77,88	19,8	53	1,927	27,2	N/D	5,064	
1981	1.476	94,84	18,9	60	2,103	28,7	N/D	5,399	
1982	1.719	120,38	18,1	72	2,707	26,7	N/D	5,969	
1983	1.850	168,79	15,4	82	3,767	21,7	N/D	6,331	
1984	2.016	199,43	11,9	84	4,624	18,1	N/D	7,123	
1985	2.168	208,8	10,9	93	5,158	18	N/D	7,191	
1986	2.340	206,47	11,2	96	5,28	18,1	N/D	6,821	
1987	2.519	202,74	12,2	105	5,35	19,7	N/D	6,15	
1988	2.816	217,25	13,9	109	5,63	19,3	10.242	6,688	1.531,40
1989	2.760	238,29	12,7	116	5,816	19,9	10.215	5,909	1.728,70
1990	2.766	235,76	11,6	115	6,109	18,8	10.176	3,904	2.606,60
1991	2.990	229,04	12,7	124	6,074	20,4	18.407	4,229	4.352,60
1992	3.624	201,1	15,8	137	5,842	23,4	12.494	5,1	2.449,80

AÑOS	CAPACIDAD INSTALADA. CENTRALES ELECTRICAS (MW)					
	HIDRAUL.	TERMICA	TURBO GA	DIESEL	NUCLEAR	TOTAL
1970	9.308	1.879	10	384	0	11.581
1975	16.507	4.200	10	534	0	21.251
1980	27.166	4.971	273	591	0	33.001
1985	37.196	5.375	445	559	657	44.232
1986	37.924	5.533	445	518	657	45.077
1987	40.511	5.563	445	528	657	47.704
1988	42.430	5.562	518	595	657	49.762
1989	44.815	5.553	611	560	657	52.196
1990	45.582	5.553	611	598	657	53.001
1991	46.689	5.553	611	618	657	54.128
1992	47.709	5.553	611	599	657	55.129

AÑOS	CAPACIDAD INSTALADA. CENTRALES ELECTRICAS .					
	HIDRAUL.	TERMICA	TURBO GA	DIESEL	NUCLEAR	TOTAL
1970	80,37%	16,22%	0,09%	3,32%	0,00%	100,00%
1975	77,68%	19,76%	0,05%	2,51%	0,00%	100,00%
1980	82,32%	15,06%	0,83%	1,79%	0,00%	100,00%
1985	84,09%	12,15%	1,01%	1,26%	1,49%	100,00%
1986	84,13%	12,27%	0,99%	1,15%	1,46%	100,00%
1987	84,92%	11,66%	0,93%	1,11%	1,38%	100,00%
1988	85,27%	11,18%	1,04%	1,20%	1,32%	100,00%
1989	85,86%	10,64%	1,17%	1,07%	1,26%	100,00%
1990	86,00%	10,48%	1,15%	1,13%	1,24%	100,00%
1991	86,26%	10,26%	1,13%	1,14%	1,21%	100,00%
1992	86,54%	10,07%	1,11%	1,09%	1,19%	100,00%

PRODUCCION DE ENERGIA PRIMARIA										
(Miles de BEP)										
	1970	1975	1980	1985	1986	1987	1988	1989	1990	1991
Petróleo	59.350	61.996	85.750	197.400	206.675	204.366	200.680	215.036	235.865	233.362
Gas natur.	7.768	7.038	12.663	33.896	34.698	35.158	36.998	38.220	40.145	39.915
Carbón mi	7.385	8.604	16.423	23.321	22.121	19.945	21.690	19.163	12.661	13.715
Hidroener.	24.661	44.789	79.871	110.521	113.027	114.998	123.358	126.826	128.076	134.938
Nuclear	0	0	0	7.170	2.581	8.173	1.291	2.509	358	0
Leña	226.637	235.904	221.171	234.275	233.144	233.221	231.715	234.476	203.051	195.209
Prod. caña	25.742	29.884	66.116	135.233	122.266	147.035	134.724	130.793	130.582	142.121
Otras	1.609	2.606	7.243	11.386	12.740	13.403	14.408	14.392	15.317	16.402
TOTAL	353.152	390.821	489.237	753.202	747.252	776.299	764.864	781.415	766.055	775.662

PRODUCCION DE ENERGIA PRIMARIA										
(Porcentaje sobre el total)										
	1970	1975	1980	1985	1986	1987	1988	1989	1990	1991
Petróleo	16,81 %	15,86 %	17,53 %	26,21 %	27,66 %	26,33 %	26,24 %	27,52 %	30,79 %	30,09 %
Gas natur.	2,20 %	1,80 %	2,59 %	4,50 %	4,64 %	4,53 %	4,84 %	4,89 %	5,24 %	5,15 %
Carbón mi	2,09 %	2,20 %	3,36 %	3,10 %	2,96 %	2,57 %	2,84 %	2,45 %	1,65 %	1,77 %
Hidroener.	6,98 %	11,46 %	16,33 %	14,67 %	15,13 %	14,81 %	16,13 %	16,23 %	16,72 %	17,40 %
Nuclear	0,00 %	0,00 %	0,00 %	0,95 %	0,35 %	1,05 %	0,17 %	0,32 %	0,05 %	0,00 %
Leña	64,18 %	60,36 %	45,21 %	31,10 %	31,20 %	30,04 %	30,29 %	30,01 %	26,51 %	25,17 %
Prod. caña	7,29 %	7,65 %	13,51 %	17,95 %	16,36 %	18,94 %	17,61 %	16,74 %	17,05 %	18,32 %
Otras	0,46 %	0,67 %	1,48 %	1,51 %	1,70 %	1,73 %	1,88 %	1,84 %	2,00 %	2,11 %
TOTAL	100,00 %	100,00 %	100,00 %	100,00 %	100,00 %	100,00 %	100,00 %	100,00 %	100,00 %	100,00 %

PRODUCCION DE ENERGIA SECUNDARIA										
(Miles de BEP)										
	1970	1975	1980	1985	1986	1987	1988	1989	1990	1991
Electric.	28.342	48.909	86.361	120.005	125.329	125.984	133.184	137.389	138.059	145.213
Gas licuad	7.396	14.861	22.287	27.202	27.636	29.727	29.670	28.670	30.359	28.614
Gasolinas	53.185	90.808	93.181	139.613	138.324	151.125	148.097	148.245	145.013	148.351
Kerosene	9.222	13.475	19.259	22.551	20.853	21.321	20.784	20.927	18.998	18.409
Diesel-oil	40.443	75.857	119.292	125.299	138.509	147.412	151.292	150.650	147.618	142.126
Fuel-oil	61.998	105.728	118.112	84.454	90.330	86.220	84.895	88.136	86.057	73.936
Coques	390	0	0	536	1.033	0	0	0	2.328	0
Carbón ve	12.420	25.939	32.639	45.735	48.273	46.966	50.016	55.691	45.468	41.977
Gases	4.914	12.383	15.332	24.337	25.239	27.381	28.072	29.113	26.711	26.471
Otras	633	1.646	6.981	8.292	9.107	9.296	9.267	9.654	9.756	8.859
No energét	6.334	11.094	21.067	22.393	24.694	22.655	22.808	20.907	26.783	18.011
TOTAL	225.277	400.700	534.511	620.417	649.327	668.087	678.085	689.412	677.150	651.967

PRODUCCION DE ENERGIA SECUNDARIA

(Porcentaje sobre el total de energía secundaria)

	1970	1975	1980	1985	1986	1987	1988	1989	1990	1991
Electric.	12,58%	12,21%	16,16%	19,34%	19,30%	18,86%	19,64%	19,93%	20,39%	22,27%
Gas licuad	3,28%	3,71%	4,17%	4,38%	4,26%	4,45%	4,38%	4,16%	4,48%	4,39%
Gasolinas	23,61%	22,66%	17,43%	22,50%	21,30%	22,62%	21,84%	21,50%	21,42%	22,75%
Kerosene	4,09%	3,36%	3,60%	3,63%	3,21%	3,19%	3,07%	3,04%	2,81%	2,82%
Diesel-oil	17,95%	18,93%	22,32%	20,20%	21,33%	22,06%	22,31%	21,85%	21,80%	21,80%
Fuel-oil	27,52%	26,39%	22,10%	13,61%	13,91%	12,91%	12,52%	12,78%	12,71%	11,34%
Coques	0,17%	0,00%	0,00%	0,09%	0,16%	0,00%	0,00%	0,00%	0,34%	0,00%
Carbón ve	5,51%	6,47%	6,11%	7,37%	7,43%	7,03%	7,38%	8,08%	6,71%	6,44%
Gases	2,18%	3,09%	2,87%	3,92%	3,89%	4,10%	4,14%	4,22%	3,94%	4,06%
Otras	0,28%	0,41%	1,31%	1,34%	1,40%	1,39%	1,37%	1,40%	1,44%	1,36%
No energét	2,81%	2,77%	3,94%	3,61%	3,80%	3,39%	3,36%	3,04%	3,96%	2,76%
TOTAL	100,00%	100,00%	100,00%	100,00%	100,00%	100,00%	100,00%	100,00%	100,00%	100,00%

OFERTA TOTAL DE ENERGIA PRIMARIA

(Miles de BEP)

	1970	1975	1980	1985	1986	1987	1988	1989	1990	1991
Petróleo	186.642	320.041	395.155	393.841	419.115	429.062	431.348	432.796	431.167	406.179
Gas natur.	1.275	4.265	8.168	22.034	25.767	29.164	29.302	30.945	31.405	31.405
Carbón mi	15.901	20.350	37.195	66.620	67.888	68.199	67.709	66.798	64.275	68.955
Hidroener.	24.661	44.789	79.871	110.521	113.027	114.998	123.358	126.826	128.076	134.938
Nuclear	0	0	0	6.596	287	1.936	1.147	3.370	4.302	2.940
Leña	226.637	235.904	221.171	234.275	233.144	233.221	231.715	234.476	203.051	195.209
Prod. caña	25.742	29.884	66.116	135.233	122.166	147.035	134.724	130.793	130.582	142.121
Otras	1.609	2.606	7.243	11.386	12.740	13.403	14.408	14.392	15.317	16.402
TOTAL	482.467	657.839	814.919	980.506	994.134	1.037.018	1.033.711	1.040.396	1.008.175	998.149

OFERTA TOTAL DE ENERGIA PRIMARIA

(Porcentaje sobre el total)

	1970	1975	1980	1985	1986	1987	1988	1989	1990	1991
Petróleo	38,68%	48,65%	48,49%	40,17%	42,16%	41,37%	41,73%	41,60%	42,77%	40,69%
Gas natur.	0,26%	0,65%	1,00%	2,25%	2,59%	2,81%	2,83%	2,97%	3,12%	3,15%
Carbón mi	3,30%	3,09%	4,56%	6,79%	6,83%	6,58%	6,55%	6,42%	6,38%	6,91%
Hidroener.	5,11%	6,81%	9,80%	11,27%	11,37%	11,09%	11,93%	12,19%	12,70%	13,52%
Nuclear	0,00%	0,00%	0,00%	0,67%	0,03%	0,19%	0,11%	0,32%	0,43%	0,29%
Leña	46,97%	35,86%	27,14%	23,89%	23,45%	22,49%	22,42%	22,54%	20,14%	19,56%
Prod. caña	5,34%	4,54%	8,11%	13,79%	12,29%	14,18%	13,03%	12,57%	12,95%	14,24%
Otras	0,33%	0,40%	0,89%	1,16%	1,28%	1,29%	1,39%	1,38%	1,52%	1,64%
TOTAL	100,00%	100,00%	100,00%	100,00%	100,00%	100,00%	100,00%	100,00%	100,00%	100,00%

OFERTA TOTAL DE ENERGIA SECUNDARIA

(Miles de BEP)

	1970	1975	1980	1985	1986	1987	1988	1989	1990	1991
Electric.	28.329	48.943	86.229	121.191	131.615	136.395	144.302	151.086	154.502	161.992
Gas licuad	9.635	14.207	21.439	28.671	31.108	34.096	36.152	37.291	40.184	39.782
Gasolinas	53.572	88.639	90.857	109.354	123.445	121.552	124.515	133.077	137.113	138.014
Kerosene	8.026	12.464	15.480	14.711	16.028	16.270	15.830	16.356	15.566	15.802
Diesel-oil	39.807	73.297	114.576	123.270	136.756	144.663	150.931	153.246	149.323	156.321
Fuel-oil	55.965	100.517	123.704	67.020	78.140	79.026	77.735	76.776	71.435	70.783
Coques	726	1.018	2.202	633	653	2.699	4.886	5.275	2.124	5.801
Carbón ve	12.420	25.939	32.639	45.735	48.273	46.966	50.016	55.691	45.468	41.977
Gases	4.164	10.337	14.808	21.519	23.819	27.235	27.570	27.169	23.588	23.406
Otras	742	1.318	7.884	9.027	9.210	9.115	9.807	9.269	9.501	9.165
No energèt	8.583	15.142	24.380	24.621	23.165	21.024	23.194	20.158	21.279	20.355
TOTAL	221.969	391.821	534.198	565.752	622.212	639.041	664.938	685.394	670.083	683.398

OFERTA TOTAL DE ENERGIA SECUNDARIA

(Porcentaje sobre el total)

	1970	1975	1980	1985	1986	1987	1988	1989	1990	1991
Electric.	12,76%	12,49%	16,14%	21,42%	21,15%	21,34%	21,70%	22,04%	23,06%	23,70%
Gas licuad	4,34%	3,63%	4,01%	5,07%	5,00%	5,34%	5,44%	5,44%	6,00%	5,82%
Gasolinas	24,13%	22,62%	17,01%	19,33%	19,84%	19,02%	18,73%	19,42%	20,46%	20,20%
Kerosene	3,62%	3,18%	2,90%	2,60%	2,58%	2,55%	2,38%	2,39%	2,32%	2,31%
Diesel-oil	17,93%	18,71%	21,45%	21,79%	21,98%	22,64%	22,70%	22,36%	22,28%	22,87%
Fuel-oil	25,21%	25,65%	23,16%	11,85%	12,56%	12,37%	11,69%	11,20%	10,66%	10,36%
Coques	0,33%	0,26%	0,41%	0,11%	0,10%	0,42%	0,73%	0,77%	0,32%	0,85%
Carbón ve	5,60%	6,62%	6,11%	8,08%	7,76%	7,35%	7,52%	8,13%	6,79%	6,14%
Gases	1,88%	2,64%	2,77%	3,80%	3,83%	4,26%	4,15%	3,96%	3,52%	3,42%
Otras	0,33%	0,34%	1,48%	1,60%	1,48%	1,43%	1,47%	1,35%	1,42%	1,34%
No energèt	3,87%	3,86%	4,56%	4,35%	3,72%	3,29%	3,49%	2,94%	3,18%	2,98%
TOTAL	100,00%	100,00%	100,00%	100,00%	100,00%	100,00%	100,00%	100,00%	100,00%	100,00%

CONSUMO FINAL SECTORIAL

(Miles de BEP)

	1970	1975	1980	1985	1986	1987	1988	1989	1990	1991
Transporte	92.046	155.276	180.492	190.239	215.859	213.650	218.559	231.300	232.378	243.582
Industria	113.605	170.230	236.461	247.289	264.438	276.884	278.582	278.822	263.031	265.101
Res. + Serv	166.079	171.585	170.207	157.200	154.190	162.362	163.288	162.575	160.898	163.245
Agro + Otr	40.007	43.251	49.979	52.008	51.409	55.298	56.774	55.775	52.395	52.334
Energético	411.737	540.342	637.139	646.736	685.896	708.194	717.203	728.472	708.702	724.262
No energèt	10.452	24.441	40.069	63.674	64.663	67.140	70.143	68.307	67.147	65.366
TOTAL	422.189	564.783	677.208	710.410	750.559	775.334	787.346	796.779	775.849	789.328

CONSUMO FINAL SECTORIAL

(Porcentaje sobre el total)

	1970	1975	1980	1985	1986	1987	1988	1989	1990	1991
Transporte	21,80%	27,49%	26,65%	26,78%	28,76%	27,56%	27,76%	29,03%	29,95%	30,86%
Industria	26,91%	30,14%	34,92%	34,81%	35,23%	35,71%	35,38%	34,99%	33,90%	33,59%
Res. + Serv	39,34%	30,38%	25,13%	22,13%	20,54%	20,94%	20,74%	20,40%	20,74%	20,68%
Agro+Otr	9,48%	7,66%	7,38%	7,32%	6,85%	7,13%	7,21%	7,00%	6,75%	6,63%
Energético	97,52%	95,67%	94,08%	91,04%	91,38%	91,34%	91,09%	91,43%	91,35%	91,76%
No energético	2,48%	4,33%	5,92%	8,96%	8,62%	8,66%	8,91%	8,57%	8,65%	8,28%
TOTAL	100,00%	100,00%	100,00%	100,00%	100,00%	100,00%	100,00%	100,00%	100,00%	100,00%

CONSUMO TOTAL DE DERIVADOS DEL PETROLEO

(Miles de BEP)

	1970	1975	1980	1985	1986	1987	1988	1989	1990	1991
Gas licuad	9.635	14.207	21.439	28.671	31.108	34.096	36.152	37.291	40.184	39.782
Gasolinas	53.572	88.639	90.857	109.354	123.445	121.552	124.515	133.077	137.113	138.014
Kerosene	8.026	12.464	15.480	14.711	16.028	16.270	15.830	16.356	15.566	15.802
Diesel-oil	39.807	73.297	114.576	123.270	136.756	144.663	150.931	153.246	149.323	156.321
Fuel-oil	55.965	100.517	123.704	67.020	78.140	79.026	77.735	76.776	71.435	70.783
Gases	1.638	8.007	8.285	13.082	13.649	14.488	14.356	15.347	14.954	14.124
Otros	8.794	16.169	27.074	26.594	25.262	23.907	25.698	23.274	24.439	22.910
TOTAL	177.437	313.300	401.415	382.702	424.388	434.002	445.217	455.367	453.014	457.736

CONSUMO TOTAL DE DERIVADOS DEL PETROLEO

(Porcentaje sobre el total)

	1970	1975	1980	1985	1986	1987	1988	1989	1990	1991
Gas licuad	5,43%	4,53%	5,34%	7,49%	7,33%	7,86%	8,12%	8,19%	8,87%	8,69%
Gasolinas	30,19%	28,29%	22,63%	28,57%	29,09%	28,01%	27,97%	29,22%	30,27%	30,15%
Kerosene	4,52%	3,98%	3,86%	3,84%	3,78%	3,75%	3,56%	3,59%	3,44%	3,45%
Diesel-oil	22,43%	23,40%	28,54%	32,21%	32,22%	33,33%	33,90%	33,65%	32,96%	34,15%
Fuel-oil	31,54%	32,08%	30,82%	17,51%	18,41%	18,21%	17,46%	16,86%	15,77%	15,46%
Gases	0,92%	2,56%	2,06%	3,42%	3,22%	3,34%	3,22%	3,37%	3,30%	3,09%
Otros	4,96%	5,16%	6,74%	6,95%	5,95%	5,51%	5,77%	5,11%	5,39%	5,01%
TOTAL	100,00%	100,00%	100,00%	100,00%	100,00%	100,00%	100,00%	100,00%	100,00%	100,00%

CONSUMO FINAL DE ENERGIA PRIMARIA

(Miles de BEP)

	1970	1975	1980	1985	1986	1987	1988	1989	1990	1991
Gas natur.	53	1.741	5.362	10.692	12.532	14.720	15.883	16.678	17.046	18.065
Carbón mi	581	830	3.386	10.073	11.322	11.322	9.810	7.767	6.551	8.299
Leña	201.687	183.856	155.560	141.751	135.421	137.978	130.561	122.293	111.257	110.331
Prod.caña	21.862	25.596	34.303	35.847	35.563	40.040	35.352	30.649	32.593	32.629
Otras	1.019	1.929	5.278	8.379	9.479	9.741	10.731	10.854	10.738	11.451
TOTAL	225.202	213.952	203.889	206.742	204.317	213.801	202.337	188.241	178.185	180.775

CONSUMO FINAL DE ENERGIA PRIMARIA

(Porcentaje sobre el total)

	1970	1975	1980	1985	1986	1987	1988	1989	1990	1991
Gas natur.	0,02%	0,81%	2,63%	5,17%	6,13%	6,88%	7,85%	8,86%	9,57%	9,99%
Carbón mi	0,26%	0,39%	1,66%	4,87%	5,54%	5,30%	4,85%	4,13%	3,68%	4,59%
Leña	89,56%	85,93%	76,30%	68,56%	66,28%	64,54%	64,53%	64,97%	62,44%	61,03%
Prod.caña	9,71%	11,96%	16,82%	17,34%	17,41%	18,73%	17,47%	16,28%	18,29%	18,05%
Otras	0,45%	0,90%	2,59%	4,05%	4,64%	4,56%	5,30%	5,77%	6,03%	6,33%
TOTAL	100,00%	100,00%	100,00%	100,00%	100,00%	100,00%	100,00%	100,00%	100,00%	100,00%

CONSUMO FINAL DE ENERGIA SECUNDARIA

(Miles de BEP)

	1970	1975	1980	1985	1986	1987	1988	1989	1990	1991
Electric.	23.290	41.666	73.444	103.684	111.971	115.480	122.279	127.457	130.624	134.822
Gas licuad	9.635	14.207	21.439	28.580	30.996	33.992	36.057	37.087	39.721	39.613
Gasolinas	53.246	86.243	83.132	101.329	115.784	114.137	117.119	126.275	128.328	133.120
Kerosene	8.026	12.464	15.480	14.711	16.022	16.265	15.830	16.333	15.167	15.773
Diesel-oil	38.035	70.852	110.183	117.845	130.127	135.803	142.469	146.929	144.416	150.205
Fuel-oil	42.179	82.437	103.505	52.568	52.716	58.005	57.895	59.165	54.980	54.675
Coques	0	170	385	283	307	244	395	925	1.383	1.452
Carbón ve	11.176	23.347	30.029	43.457	45.863	44.619	47.515	52.908	43.143	39.889
Gases	2.075	2.985	5.125	8.677	10.671	13.082	12.886	12.550	9.930	10.148
Otras sec.	742	1.318	7.862	8.896	9.122	8.889	9.399	8.751	8.693	8.801
No energèt	8.583	15.142	22.735	23.638	22.663	21.017	23.165	20.158	21.279	20.355
TOTAL	196.987	350.831	473.319	503.668	546.242	561.533	585.009	608.538	597.664	608.853

CONSUMO FINAL DE ENERGIA SECUNDARIA

(Porcentaje sobre el total)

	1970	1975	1980	1985	1986	1987	1988	1989	1990	1991
Electric.	11,82%	11,88%	323,04%	20,59%	20,50%	20,57%	20,90%	20,94%	21,86%	22,14%
Gas licuad	4,89%	4,05%	94,30%	5,67%	5,67%	6,05%	6,16%	6,09%	6,65%	6,51%
Gasolinas	27,03%	24,58%	365,66%	20,12%	21,20%	20,33%	20,02%	20,75%	21,47%	21,86%
Kerosene	4,07%	3,55%	68,09%	2,92%	2,93%	2,90%	2,71%	2,68%	2,54%	2,59%
Diesel-oil	19,31%	20,20%	484,64%	23,40%	23,82%	24,18%	24,35%	24,14%	24,16%	24,67%
Fuel-oil	21,41%	23,50%	455,27%	10,44%	9,65%	10,33%	9,90%	9,72%	9,20%	8,98%
Coques	0,00%	0,05%	1,69%	0,06%	0,06%	0,04%	0,07%	0,15%	0,23%	0,24%
Carbón ve	5,67%	6,65%	132,08%	8,63%	8,40%	7,95%	8,12%	8,69%	7,22%	6,55%
Gases	1,05%	0,85%	22,54%	1,72%	1,95%	2,33%	2,20%	2,06%	1,45%	1,67%
Otras sec.	0,38%	0,38%	34,58%	1,77%	1,67%	1,58%	1,61%	1,44%	3,56%	1,45%
No energèti	4,36%	4,32%	#iVALOR!	4,69%	4,15%	3,74%	3,96%	3,31%	#iVALOR!	3,34%
TOTAL	100,00%	100,00%	100,00%	100,00%	100,00%	100,00%	100,00%	100,00%	100,00%	100,00%

ESTRUCTURA ENERGETICA PARAGUAYA.

AÑOS	CAPACIDAD INSTALADA CENTRALES ELECTRICAS					
	HIDRAUL.	TERMICA	TOTAL	HIDRAUL.	TERMICA	TOTAL
	(MW)	(MW)	(MW)	(Estructura porcentual)		
1970	90	99	189	47,62%	52,38%	100,00%
1975	90	145	235	38,30%	61,70%	100,00%
1980	190	108	298	63,76%	36,24%	100,00%
1985	1.240	114	1.354	91,58%	8,42%	100,00%
1986	2.290	114	2.404	95,26%	4,74%	100,00%
1987	3.340	114	3.454	96,70%	3,30%	100,00%
1988	4.390	114	4.504	97,47%	2,53%	100,00%
1989	5.440	68	5.508	98,77%	1,23%	100,00%
1990	5.790	68	5.858	98,84%	1,16%	100,00%
1991	6.490	38	6.528	99,42%	0,58%	100,00%
1992	6.490	38	6.528	99,42%	0,58%	100,00%

PRODUCCION TOTAL DE ENERGIA PRIMARIA										
(Miles BEP)										
	1970	1975	1980	1985	1986	1987	1988	1989	1990	1991
Hidroenerg	377	778	475	36.282	31.202	34.468	34.212	36.445	38.725	35.750
Leña	7.300	7.803	9.437	9.437	10.884	12.226	12.679	12.342	12.511	13.149
Prod. caña	0	0	0	0	176	237	250	127	109	47
Otras	522	877	1.724	1.724	2.244	2.609	2.784	3.509	3.539	3.570
TOTAL	8.199	9.458	11.636	47.443	44.506	49.540	49.925	52.423	54.884	52.516

PRODUCCION TOTAL DE ENERGIA PRIMARIA										
(Porcentaje sobre el total)										
	1970	1975	1980	1985	1986	1987	1988	1989	1990	1991
Hidroenerg	4,60%	8,23%	4,08%	76,47%	70,11%	69,58%	68,53%	69,52%	70,56%	68,07%
Leña	89,04%	82,50%	81,10%	19,89%	24,46%	24,68%	25,40%	23,54%	22,80%	25,04%
Prod. caña	0,00%	0,00%	0,00%	0,00%	0,40%	0,48%	0,50%	0,24%	0,20%	0,09%
Otras	6,37%	9,27%	14,82%	3,63%	5,04%	5,27%	5,58%	6,69%	6,45%	6,80%
TOTAL	100,00%	100,00%	100,00%	100,00%	100,00%	100,00%	100,00%	100,00%	100,00%	100,00%

PRODUCCION TOTAL DE ENERGIA SECUNDARIA										
(Miles BEP)										
	1970	1975	1980	1985	1986	1987	1988	1989	1990	1991
Electric.	138	368	475	2.534	7.381	11.523	12.385	15.077	16.844	18.172
Gas licuad	19	30	20	18	27	38	32	23	47	35
Gasolina	306	324	482	477	563	642	741	732	737	570
Kerosene	153	183	198	164	174	175	248	286	295	200
Diesel-oil	468	654	845	620	634	813	927	842	985	890
Fuel- oil	229	229	336	199	234	248	357	333	351	357
Carbon ve	293	358	433	517	607	955	1.099	1.034	1.044	1.139
TOTAL	1.606	2.146	2.789	4.529	9.620	14.394	15.789	18.327	20.303	21.363

PRODUCCION TOTAL DE ENERGIA SECUNDARIA										
(Porcentaje sobre el total)										
	1970	1975	1980	1985	1986	1987	1988	1989	1990	1991
Electric.	8,59%	17,15%	17,03%	55,95%	76,73%	80,05%	78,44%	82,27%	82,96%	85,06%
Gas licuad	1,18%	1,40%	0,72%	0,40%	0,28%	0,26%	0,20%	0,13%	0,23%	0,16%
Gasolina	19,05%	15,10%	17,28%	10,53%	5,85%	4,46%	4,69%	3,99%	3,63%	2,67%
Kerosene	9,53%	8,53%	7,10%	3,62%	1,81%	1,22%	1,57%	1,56%	1,45%	0,94%
Diesel-oil	29,14%	30,48%	30,30%	13,69%	6,59%	5,65%	5,87%	4,59%	4,85%	4,17%
Fuel- oil	14,26%	10,67%	12,05%	4,39%	2,43%	1,72%	2,26%	1,82%	1,73%	1,67%
Carbon ve	18,24%	16,68%	15,53%	11,42%	6,31%	6,63%	6,96%	5,64%	5,14%	5,33%
TOTAL	100,00%	100,00%	100,00%	100,00%	100,00%	100,00%	100,00%	100,00%	100,00%	100,00%

OFERTA TOTAL DE ENERGIA PRIMARIA										
(Miles de BEP)										
	1970	1975	1980	1985	1986	1987	1988	1989	1990	1991
Petróleo	1.184	1.498	2.576	1.456	1.568	1.810	2.186	2.094	2.322	2.034
Hidroenerg	110	737	475	2.926	8.354	12.839	13.886	16.939	18.861	20.208
Leña	7.300	7.803	9.437	9.868	10.884	12.226	12.679	12.342	12.511	13.149
Prod. caña	0	0	0	132	176	237	250	127	109	47
Otras	522	877	1.724	2.244	1.726	2.609	2.784	3.509	3.539	3.570
TOTAL	9.116	10.915	14.212	16.626	22.708	29.721	31.785	35.011	37.342	39.008

OFERTA TOTAL DE ENERGIA PRIMARIA										
(Porcentaje sobre el total de energía primaria)										
	1970	1975	1980	1985	1986	1987	1988	1989	1990	1991
Petróleo	12,99%	13,72%	18,13%	8,76%	6,91%	6,09%	6,88%	5,98%	6,22%	5,21%
Hydroenerg	1,21%	6,75%	3,34%	17,60%	36,79%	43,20%	43,69%	48,38%	50,51%	51,80%
Leña	80,08%	71,49%	66,40%	59,35%	47,93%	41,14%	39,89%	35,25%	33,50%	33,71%
Prod. caña	0,00%	0,00%	0,00%	0,79%	0,78%	0,80%	0,79%	0,36%	0,29%	0,12%
Otras	5,73%	8,03%	12,13%	13,50%	7,60%	8,78%	8,76%	10,02%	9,48%	9,15%
TOTAL	100,00%	100,00%	100,00%	100,00%	100,00%	100,00%	100,00%	100,00%	100,00%	100,00%

OFERTA TOTAL DE ENERGIA SECUNDARIA										
(Miles de BEP)										
	1970	1975	1980	1985	1986	1987	1988	1989	1990	1991
Electric.	138	243	502	786	898	1.106	1.257	2.359	1.372	1.458
Gas licuad	57	96	126	234	236	271	317	359	402	429
Gasolina	404	421	828	870	851	1.030	1.092	1.050	1.144	1.093
Kerosene	91	125	116	136	104	65	62	60	60	61
Diesel-oil	558	801	1.895	2.133	2.183	2.373	2.721	2.775	2.841	2.670
Fuel- oil	262	299	309	226	284	330	417	330	389	324
Carbon ve	293	358	433	517	607	825	1.019	1.034	950	1.139
TOTAL	1.803	2.343	4.209	4.902	5.163	6.000	6.885	7.967	7.158	7.174

OFERTA TOTAL DE EMERGIA SECUNDARIA										
(Porcentaje sobre el total)										
	1970	1975	1980	1985	1986	1987	1988	1989	1990	1991
Electric.	7,65%	10,37%	11,93%	16,03%	17,39%	18,43%	18,26%	29,61%	19,17%	20,32%
Gas licuad	3,16%	4,10%	2,99%	4,77%	4,57%	4,52%	4,60%	4,51%	5,62%	5,98%
Gasolina	22,41%	17,97%	19,67%	17,75%	16,48%	17,17%	15,86%	13,18%	15,98%	15,24%
Kerosene	5,05%	5,34%	2,76%	2,77%	2,01%	1,08%	0,90%	0,75%	0,84%	0,85%
Diesel-oil	30,95%	34,19%	45,02%	43,51%	42,28%	39,55%	39,52%	34,83%	39,69%	37,22%
Fuel- oil	14,53%	12,76%	7,34%	4,61%	5,50%	5,50%	6,06%	4,14%	5,43%	4,52%
Carbon ve	16,25%	15,28%	10,29%	10,55%	11,76%	13,75%	14,80%	12,98%	13,27%	15,88%
TOTAL	100,00%	100,00%	100,00%	100,00%	100,00%	100,00%	100,00%	100,00%	100,00%	100,00%

CONSUMO FINAL SECTORIAL										
(Miles de BEP)										
	1970	1975	1980	1985	1986	1987	1988	1989	1990	1991
Transporte	977	1.217	2.766	3.009	3.053	3.453	3.845	3.942	4.087	3.929
Industria	2.070	2.497	4.436	4.597	4.114	5.709	6.137	6.991	6.857	7.325
Res + Serv.	5.738	6.364	7.062	8.063	9.108	9.530	9.831	9.880	10.206	10.611
Energético	8.785	10.078	14.264	15.669	16.275	18.692	19.813	20.813	21.150	21.865
No energético	17	44	44	204	202	217	259	45	47	63
TOTAL	8.802	10.122	14.308	15.873	16.477	18.909	20.072	20.858	21.197	21.928

CONSUMO FINAL SECTORIAL										
(Porcentaje sobre el total)										
	1970	1975	1980	1985	1986	1987	1988	1989	1990	1991
Transporte	11,10%	12,02%	19,33%	18,96%	18,53%	18,26%	19,16%	18,90%	19,28%	17,92%
Industria	23,52%	24,67%	31,00%	28,96%	24,97%	30,19%	30,57%	33,52%	32,35%	33,40%
Res + Serv.	65,19%	62,87%	49,36%	50,80%	55,28%	50,40%	48,98%	47,37%	48,15%	48,39%
Energético	99,81%	99,57%	99,69%	98,71%	98,77%	98,85%	98,71%	99,78%	99,78%	99,71%
No energético	0,19%	0,43%	0,31%	1,29%	1,23%	1,15%	1,29%	0,22%	0,22%	0,29%
TOTAL	100,00%	100,00%	100,00%	100,00%	100,00%	100,00%	100,00%	100,00%	100,00%	100,00%

CONSUMO TOTAL DE DERIVADOS DEL PETROLEO										
(Miles de BEP)										
	1970	1975	1980	1985	1986	1987	1988	1989	1990	1991
Gas licuad	57	96	126	234	236	271	317	359	402	429
Gasolinas	404	421	828	870	851	1.030	1.092	1.050	1.144	1.093
Kerosene	91	125	116	136	104	65	62	60	60	61
Diesel-oil	558	801	1.895	2.133	2.183	2.373	3.721	2.775	2.841	2.670
Fuel-oil	262	299	309	226	284	330	417	330	389	324
Otros	17	44	44	204	202	217	259	45	47	63
TOTAL	1.389	1.786	3.318	3.803	3.860	4.286	5.868	4.619	4.883	4.640

CONSUMO TOTAL DE DERIVADOS DEL PETROLEO										
(Porcentaje sobre el total)										
	1970	1975	1980	1985	1986	1987	1988	1989	1990	1991
Gas licuad	4,10%	5,38%	3,80%	6,15%	6,11%	6,32%	5,40%	7,77%	8,23%	9,25%
Gasolinas	29,09%	23,57%	24,95%	22,88%	22,05%	24,03%	18,61%	22,73%	23,43%	23,56%
Kerosene	6,55%	7,00%	3,50%	3,58%	2,69%	1,52%	1,06%	1,30%	1,23%	1,31%
Diesel-oil	40,17%	44,85%	57,11%	56,09%	56,55%	55,37%	63,41%	60,08%	58,18%	57,54%
Fuel-oil	18,86%	16,74%	9,31%	5,94%	7,36%	7,70%	7,11%	7,14%	7,97%	6,98%
Otros	1,22%	2,46%	1,33%	5,36%	5,23%	5,06%	4,41%	0,97%	0,96%	1,36%
TOTAL	100,00%	100,00%	100,00%	100,00%	100,00%	100,00%	100,00%	100,00%	100,00%	100,00%

CONSUMO FINAL DE ENERGIA PRIMARIA										
(Miles de BEP)										
	1970	1975	1980	1985	1986	1987	1988	1989	1990	1991
Leña	8.664	7.115	8.615	8.957	9.932	10.766	10.890	10.696	10.757	11.349
Otras	501	855	1.685	2.054	1.510	2.317	2.476	3.502	3.458	3.487
TOTAL	9.165	7.970	10.300	11.011	11.442	13.083	13.366	14.198	14.215	14.836

CONSUMO FINAL DE ENERGIA PRIMARIA										
(Porcentaje sobre el total)										
	1970	1975	1980	1985	1986	1987	1988	1989	1990	1991
Leña	94,53%	89,27%	83,64%	81,35%	86,80%	82,29%	81,48%	75,33%	75,67%	76,50%
Otras	5,47%	10,73%	16,36%	18,65%	13,20%	17,71%	18,52%	24,67%	24,33%	23,50%
TOTAL	100,00%	100,00%	100,00%	100,00%	100,00%	100,00%	100,00%	100,00%	100,00%	100,00%

CONSUMO FINAL DE ENERGIA SECUNDARIA										
(Miles de BEP)										
	1970	1975	1980	1985	1986	1987	1988	1989	1990	1991
Electric.	115	199	473	662	737	872	1.019	1.072	1.227	1.294
Gas licuad	57	95	126	234	235	271	317	359	402	429
Gasolinas	404	421	829	870	851	1.029	1.092	1.048	1.145	1.093
Kerosene	91	126	116	136	104	65	63	60	60	61
Diesel-oil	480	710	1.825	2.098	2.102	2.308	2.613	2.762	2.819	2.689
Fuel- oil	180	204	167	171	197	232	329	278	332	324
Carbón ve	293	353	428	517	607	830	1.014	1.034	950	1.139
No energet	17	44	44	204	202	217	259	45	47	63
TOTAL	1.637	2.152	4.008	4.892	5.035	5.824	6.706	6.658	6.982	7.092

CONSUMO FINAL DE ENERGIA SECUNDARIA

(Porcentaje sobre el total)

	1970	1975	1980	1985	1986	1987	1988	1989	1990	1991
Electric.	7,03 %	9,25 %	11,80 %	13,53 %	14,64 %	14,97 %	15,20 %	16,10 %	17,57 %	18,25 %
Gas licuad	3,48 %	4,41 %	3,14 %	4,78 %	4,67 %	4,65 %	4,73 %	5,39 %	5,76 %	6,05 %
Gasolinas	24,68 %	19,56 %	20,68 %	17,78 %	16,90 %	17,67 %	16,28 %	15,74 %	16,40 %	15,41 %
Kerosene	5,56 %	5,86 %	2,89 %	2,78 %	2,07 %	1,12 %	0,94 %	0,90 %	0,86 %	0,86 %
Diesel-oil	29,32 %	32,99 %	45,53 %	42,89 %	41,75 %	39,63 %	38,97 %	41,48 %	40,38 %	37,92 %
Fuel- oil	11,00 %	9,48 %	4,17 %	3,50 %	3,91 %	3,98 %	4,91 %	4,18 %	4,76 %	4,57 %
Carbón ve	17,90 %	16,40 %	10,68 %	10,57 %	12,06 %	14,25 %	15,12 %	15,53 %	13,61 %	16,06 %
No energe	1,04 %	2,04 %	1,10 %	4,17 %	4,01 %	3,73 %	3,86 %	0,68 %	0,67 %	0,89 %
TOTAL	100,00 %	100,00 %	100,00 %	100,00 %	100,00 %	100,00 %	100,00 %	100,00 %	100,00 %	100,00 %

ESTRUCTURA ENERGETICA URUGUAYA.

AÑOS	CAPACIDAD INSTALADA CENTRALES ELECTRICAS (MW)				
	HIDRAULIC	TERMICA	TURBO GA	DIESEL	TOTAL
1970	236	237	31	55	559
1975	236	368	31	55	690
1980	371	373	31	60	835
1985	881	353	55	2	1.291
1986	1.039	353	55	2	1.449
1987	1.039	353	55	2	1.449
1988	1.039	353	55	2	1.449
1989	1.196	353	55	2	1.606
1990	1.196	353	55	2	1.606
1991	1.196	353	168	31	1.748
1992	1.353	466	168	31	2.018

AÑOS	CAPACIDAD INSTALADA CENTRALES ELECTRICAS (MW)				
	(Porcentaje sobre el total)				
	HIDRAULIC	TERMICA	TURBO GA	DIESEL	TOTAL
1970	42,22%	42,40%	5,55%	9,84%	100,00%
1975	34,20%	53,33%	4,49%	7,97%	100,00%
1980	44,43%	44,67%	3,71%	7,19%	100,00%
1985	68,24%	27,34%	4,26%	0,15%	100,00%
1986	71,70%	24,36%	3,80%	0,14%	100,00%
1987	71,70%	24,36%	3,80%	0,14%	100,00%
1988	71,70%	24,36%	3,80%	0,14%	100,00%
1989	74,47%	21,98%	3,42%	0,12%	100,00%
1990	74,47%	21,98%	3,42%	0,12%	100,00%
1991	68,42%	20,19%	9,61%	1,77%	100,00%
1992	67,05%	23,09%	8,33%	1,54%	100,00%

PRODUCCION TOTAL DE ENERGIA PRIMARIA										
(Miles de BEP)										
	1970	1975	1980	1985	1986	1987	1988	1989	1990	1991
Hidroener.	1.029	819	2.745	6.668	8.684	7.215	4.443	3.054	7.418	4.783
Leña	2.659	2.851	3.074	3.626	3.928	4.000	3.605	3.613	3.477	3.605
Prod. caña	95	153	183	215	220	222	185	289	300	325
Otras	58	57	83	159	200	142	173	336	246	248
TOTAL	3.841	3.880	6.085	10.668	13.032	11.579	8.406	7.292	11.441	8.961

PRODUCCION TOTAL DE ENERGIA PRIMARIA										
(Porcentaje sobre el total)										
	1970	1975	1980	1985	1986	1987	1988	1989	1990	1991
Hidroener.	26,79 %	21,11 %	45,11 %	62,50 %	66,64 %	62,31 %	52,86 %	41,88 %	64,84 %	53,38 %
Leña	69,23 %	73,48 %	50,52 %	33,99 %	30,14 %	34,55 %	42,89 %	49,55 %	30,39 %	40,23 %
Prod. caña	2,47 %	3,94 %	3,01 %	2,02 %	1,69 %	1,92 %	2,20 %	3,96 %	2,62 %	3,63 %
Otras	1,51 %	1,47 %	1,36 %	1,49 %	1,53 %	1,23 %	2,06 %	4,61 %	2,15 %	2,77 %
TOTAL	100,00 %	100,00 %	100,00 %	100,00 %	100,00 %	100,00 %	100,00 %	100,00 %	100,00 %	100,00 %

PRODUCCION TOTAL DE ENERGIA SECUNDARIA										
(Miles de BEP)										
	1970	1975	1980	1985	1986	1987	1988	1989	1990	1991
Electric.	1.375	1.536	2.825	4.091	4.603	4.695	4.336	3.562	4.612	4.338
Gas licuad	224	207	311	367	345	393	405	446	505	440
Gasolinas	1.870	1.932	1.674	1.312	1.407	1.485	1.592	1.575	1.605	1.925
Kerosene	1.415	1.463	1.125	524	524	680	490	575	547	672
Diesel-oil	2.598	3.048	3.447	2.851	2.313	3.241	2.537	2.422	2.863	3.043
Fuel- oil	5.658	5.880	5.914	2.170	2.424	2.541	2.858	2.829	2.568	2.251
Coques	69	39	29	5	5	5	5	5	0	0
Carbón ve	5	5	11	16	16	16	22	22	22	22
Gases	227	264	293	240	227	269	275	208	233	48
Otras	76	61	78	55	87	82	78	76	86	85
No energet	293	278	448	211	264	500	419	336	264	396
TOTAL	13.810	14.713	16.155	11.842	12.215	13.907	13.017	12.056	13.305	13.220

PRODUCCION TOTAL DE ENERGIA SECUNDARIA

(Porcentaje sobre el total)

	1970	1975	1980	1985	1986	1987	1988	1989	1990	1991
Electric.	9,96%	10,44%	17,49%	34,55%	37,68%	33,76%	33,31%	29,55%	34,66%	32,81%
Gas licuad	1,62%	1,41%	1,93%	3,10%	2,82%	2,83%	3,11%	3,70%	3,80%	3,33%
Gasolinas	13,54%	13,13%	10,36%	11,08%	11,52%	10,68%	12,23%	13,06%	12,06%	14,56%
Kerosene	10,25%	9,94%	6,96%	4,42%	4,29%	4,89%	3,76%	4,77%	4,11%	5,08%
Diesel-oil	18,81%	20,72%	21,34%	24,08%	18,94%	23,30%	19,49%	20,09%	21,52%	23,02%
Fuel- oil	40,97%	39,96%	36,61%	18,32%	19,84%	18,27%	21,96%	23,47%	19,30%	17,03%
Coques	0,50%	0,27%	0,18%	0,04%	0,04%	0,04%	0,04%	0,04%	0,00%	0,00%
Carbón ve	0,04%	0,03%	0,07%	0,14%	0,13%	0,12%	0,17%	0,18%	0,17%	0,17%
Gases	1,64%	1,79%	1,81%	2,03%	1,86%	1,93%	2,11%	1,73%	1,75%	0,36%
Otras	0,55%	0,41%	0,48%	0,46%	0,71%	0,59%	0,60%	0,63%	0,65%	0,64%
No energet	2,12%	1,89%	2,77%	1,78%	2,16%	3,60%	3,22%	2,79%	1,98%	3,00%
TOTAL	100,00%	100,00%	100,00%	100,00%	100,00%	100,00%	100,00%	100,00%	100,00%	100,00%

OFERTA TOTAL DE ENERGIA PRIMARIA

(Miles de BEP)

	1970	1975	1980	1985	1986	1987	1988	1989	1990	1991
Petróleo	13.283	13.640	13.806	8.249	7.956	9.522	8.993	8.839	9.237	9.762
Carbón mi	131	161	20	0	0	0	0	0	0	0
Hidroener.	948	819	2.420	4.509	5.324	5.318	4.048	2.893	5.019	4.274
Leña	2.659	2.821	3.074	3.626	3.928	4.000	3.605	3.613	3.477	3.605
Prod. caña	95	153	183	215	220	222	185	289	300	325
Otras	58	57	83	159	200	142	173	162	157	163
TOTAL	17.174	17.651	19.586	16.758	17.628	19.204	17.004	15.796	18.190	18.129

OFERTA TOTAL DE ENERGIA PRIMARIA

(Porcentaje sobre el total)

	1970	1975	1980	1985	1986	1987	1988	1989	1990	1991
Petróleo	77,34%	77,28%	70,49%	49,22%	45,13%	49,58%	52,89%	55,96%	50,78%	53,85%
Carbón mi	0,76%	0,91%	0,10%	0,00%	0,00%	0,00%	0,00%	0,00%	0,00%	0,00%
Hidroener.	5,52%	4,64%	12,36%	26,91%	30,20%	27,69%	23,81%	18,31%	27,59%	23,58%
Leña	15,48%	15,98%	15,69%	21,64%	22,28%	20,83%	21,20%	22,87%	19,11%	19,89%
Prod. caña	0,55%	0,87%	0,93%	1,28%	1,25%	1,16%	1,09%	1,83%	1,65%	1,79%
Otras	0,34%	0,32%	0,42%	0,95%	1,13%	0,74%	1,02%	1,03%	0,86%	0,90%
TOTAL	100,00%	100,00%	100,00%	100,00%	100,00%	100,00%	100,00%	100,00%	100,00%	100,00%

OFERTA TOTAL DE ENERGIA SECUNDARIA

(Miles de BEP)

	1970	1975	1980	1985	1986	1987	1988	1989	1990	1991
Electric.	1.392	1.550	2.129	2.431	2.651	2.864	3.040	2.848	3.040	3.238
Gas licuad	249	285	346	349	373	411	440	460	488	523
Gasolinas	1.859	1.478	1.799	1.376	1.400	1.475	1.576	1.665	1.694	1.783
Kerosene	1.408	1.300	1.049	474	467	484	468	449	465	507
Diesel-oil	2.390	2.854	3.560	2.834	2.762	2.862	3.012	3.272	3.128	3.310
Fuel- oil	5.580	6.223	5.743	2.204	2.122	2.604	4.800	5.270	2.601	3.440
Coques	83	59	34	10	10	10	10	10	5	5
Carbón ve	5	5	11	16	16	16	22	22	22	22
Gases	215	246	269	222	209	245	257	183	205	45
Otras	76	61	116	61	91	88	83	81	87	90
No energet	419	405	568	239	280	465	409	372	282	384
TOTAL	13.676	14.466	15.624	10.216	10.381	11.524	14.117	14.632	12.017	13.347

OFERTA TOTAL DE ENERGIA SECUNDARIA

(Porcentaje sobre el total)

	1970	1975	1980	1985	1986	1987	1988	1989	1990	1991
Electric.	10,18%	10,71%	13,63%	23,80%	25,54%	24,85%	21,53%	19,46%	25,30%	24,26%
Gas licuad	1,82%	1,97%	2,21%	3,42%	3,59%	3,57%	3,12%	3,14%	4,06%	3,92%
Gasolinas	13,59%	10,22%	11,51%	13,47%	13,49%	12,80%	11,16%	11,38%	14,10%	13,36%
Kerosene	10,30%	8,99%	6,71%	4,64%	4,50%	4,20%	3,32%	3,07%	3,87%	3,80%
Diesel-oil	17,48%	19,73%	22,79%	27,74%	26,61%	24,84%	21,34%	22,36%	26,03%	24,80%
Fuel- oil	40,80%	43,02%	36,76%	21,57%	20,44%	22,60%	34,00%	36,02%	21,64%	25,77%
Coques	0,61%	0,41%	0,22%	0,10%	0,10%	0,09%	0,07%	0,07%	0,04%	0,04%
Carbón ve	0,04%	0,03%	0,07%	0,16%	0,15%	0,14%	0,16%	0,15%	0,18%	0,16%
Gases	1,57%	1,70%	1,72%	2,17%	2,01%	2,13%	1,82%	1,25%	1,71%	0,34%
Otras	0,56%	0,42%	0,74%	0,60%	0,88%	0,76%	0,59%	0,55%	0,72%	0,67%
No energet	3,06%	2,80%	3,64%	2,34%	2,70%	4,04%	2,90%	2,54%	2,35%	2,88%
TOTAL	100,00%	100,00%	100,00%	100,00%	100,00%	100,00%	100,00%	100,00%	100,00%	100,00%

CONSUMO FINAL SECTORIAL

(Miles de BEP)

	1970	1975	1980	1985	1986	1987	1988	1989	1990	1991
Transporte	3.688	3.630	3.813	3.078	3.100	3.247	3.311	3.469	3.473	3.700
Industria	3.543	3.870	4.441	3.290	3.808	3.925	3.959	4.012	3.892	4.128
Res+ Serv.	5.036	5.091	5.116	5.021	5.051	5.404	5.154	4.968	5.098	5.231
Otros	581	602	1.253	1.123	1.040	937	963	1.027	1.007	1.091
Energético	12.484	12.193	14.623	12.512	12.999	13.513	13.387	13.476	13.470	14.150
No energe	411	412	593	243	285	421	414	355	287	388
TOTAL	25.743	25.798	29.839	25.267	26.283	27.447	27.188	27.307	27.227	28.688

CONSUMO FINAL SECTORIAL

(Miles de BEP)

	1970	1975	1980	1985	1986	1987	1988	1989	1990	1991
Transporte	14,33%	14,07%	12,78%	12,18%	11,79%	11,83%	12,18%	12,70%	12,76%	12,90%
Industria	13,76%	15,00%	14,88%	13,02%	14,49%	14,30%	14,56%	14,69%	14,29%	14,39%
Res + Serv.	19,56%	19,73%	17,15%	19,87%	19,22%	19,69%	18,96%	18,19%	18,72%	18,23%
Otros	2,26%	2,33%	4,20%	4,44%	3,96%	3,41%	3,54%	3,76%	3,70%	3,80%
Energético	48,49%	47,26%	49,01%	49,52%	49,46%	49,23%	49,24%	49,35%	49,47%	49,32%
No energe	1,60%	1,60%	1,99%	0,96%	1,08%	1,53%	1,52%	1,30%	1,05%	1,35%
TOTAL	100,00%	100,00%	100,00%	100,00%	100,00%	100,00%	100,00%	100,00%	100,00%	100,00%

CONSUMO TOTAL DE DERIVADOS DEL PETROLEO

(Miles de BEP)

	1970	1975	1980	1985	1986	1987	1988	1989	1990	1991
Gas licuad	249	285	346	349	373	411	440	460	488	523
Gasolinas	1.859	1.478	1.799	1.376	1.400	1.475	1.576	1.665	1.694	1.783
Kerosene	1.408	1.300	1.049	474	467	484	468	449	465	507
Diesel-oil	2.390	2.854	3.560	2.834	2.762	2.862	3.012	3.272	3.128	3.310
Fuel- oil	5.580	6.223	5.743	2.204	2.122	2.604	4.800	5.270	2.601	3.440
Gases	72	120	155	96	72	108	102	130	151	17
Otros	495	466	646	294	367	547	487	448	368	469
TOTAL	12.053	12.726	13.298	7.627	7.563	8.491	10.885	11.694	8.895	10.049

CONSUMO TOTAL DE DERIVADOS DEL PETROLEO

(Porcentaje sobre el total)

	1970	1975	1980	1985	1986	1987	1988	1989	1990	1991
Gas licuad	2,07%	2,24%	2,60%	4,58%	4,93%	4,84%	4,04%	3,93%	5,49%	5,20%
Gasolinas	15,42%	11,61%	13,53%	18,04%	18,51%	17,37%	14,48%	14,24%	19,04%	17,74%
Kerosene	11,68%	10,22%	7,89%	6,21%	6,17%	5,70%	4,30%	3,84%	5,23%	5,05%
Diesel-oil	19,83%	22,43%	26,77%	37,16%	36,52%	33,71%	27,67%	27,98%	35,17%	32,94%
Fuel- oil	46,30%	48,90%	43,19%	28,90%	28,06%	30,67%	44,10%	45,07%	29,24%	34,23%
Gases	0,60%	0,94%	1,17%	1,26%	0,95%	1,27%	0,94%	1,11%	1,70%	0,17%
Otros	4,11%	3,66%	4,86%	3,85%	4,85%	6,44%	4,47%	3,83%	4,14%	4,67%
TOTAL	100,00%	100,00%	100,00%	100,00%	100,00%	100,00%	100,00%	100,00%	100,00%	100,00%

CONSUMO FINAL DE ENERGIA PRIMARIA

(Miles de BEP)

	1970	1975	1980	1985	1986	1987	1988	1989	1990	1991
Carbón mi	10	10	20	0	0	0	0	0	0	0
Leña	2656	2805	3058	3560	3825	3912	3510	3521	3395	3519
Prod. caña	89	126	156	182	182	184	157	258	271	293
Otras	52	51	77	126	184	133	165	153	150	154
TOTAL	2807	2992	3311	3868	4191	4229	3832	3932	3816	3966

CONSUMO FINAL DE ENERGIA PRIMARIA

(Porcentaje sobre el total)

	1970	1975	1980	1985	1986	1987	1988	1989	1990	1991
Carbón mi	0,36%	0,33%	0,60%	0,00%	0,00%	0,00%	0,00%	0,00%	0,00%	0,00%
Leña	94,62%	93,75%	92,36%	92,04%	91,27%	92,50%	91,60%	89,55%	88,97%	88,73%
Prod. caña	3,17%	4,21%	4,71%	4,71%	4,34%	4,35%	4,10%	6,56%	7,10%	7,39%
Otras	1,85%	1,70%	2,33%	3,26%	4,39%	3,14%	4,31%	3,89%	3,93%	3,88%
TOTAL	100,00%	100,00%	100,00%	100,00%	100,00%	100,00%	100,00%	100,00%	100,00%	100,00%

CONSUMO FINAL DE ENERGIA SECUNDARIA

(Miles de BEP)

	1970	1975	1980	1985	1986	1987	1988	1989	1990	1991
Electric.	1.105	1.252	1.722	1.954	2.045	2.165	2.334	2.254	2.358	2.596
Gas licuad	249	289	347	349	373	411	500	521	544	580
Gasolinas	1.853	1.502	1.672	1.273	1.297	1.371	1.458	1.554	1.561	1.658
Kerosene	1.402	1.248	999	471	466	484	467	448	438	506
Diesel-oil	2.095	2.480	3.296	2.784	2.740	2.839	2.950	3.098	3.084	3.275
Fuel- oil	3.136	3.246	3.110	1.648	1.716	1.843	1.663	1.568	1.575	1.517
Coques	83	64	34	10	10	10	10	10	5	5
Carbón ve	5	5	11	16	16	16	22	22	22	22
Gases	138	120	132	144	150	150	156	73	71	29
Otras	0	0	0	0	0	0	0	1	1	1
No energet	406	407	582	238	280	416	409	350	282	383
TOTAL	10.472	10.613	11.905	8.887	9.093	9.705	9.969	9.899	9.941	10.572

CONSUMO FINAL DE ENERGIA SECUNDARIA

(Porcentaje sobre el total)

	1970	1975	1980	1985	1986	1987	1988	1989	1990	1991
Electric .	10,55 %	11,80 %	14,46 %	21,99 %	22,49 %	22,31 %	23,41 %	22,77 %	23,72 %	24,56 %
Gas licuad	2,38 %	2,72 %	2,91 %	3,93 %	4,10 %	4,23 %	5,02 %	5,26 %	5,47 %	5,49 %
Gasolinas	17,69 %	14,15 %	14,04 %	14,32 %	14,26 %	14,13 %	14,63 %	15,70 %	15,70 %	15,68 %
Kerosene	13,39 %	11,76 %	8,39 %	5,30 %	5,12 %	4,99 %	4,68 %	4,53 %	4,41 %	4,79 %
Diesel-oil	20,01 %	23,37 %	27,69 %	31,33 %	30,13 %	29,25 %	29,59 %	31,30 %	31,02 %	30,98 %
Fuel- oil	29,95 %	30,59 %	26,12 %	18,54 %	18,87 %	18,99 %	16,68 %	15,84 %	15,84 %	14,35 %
Coques	0,79 %	0,60 %	0,29 %	0,11 %	0,11 %	0,10 %	0,10 %	0,10 %	0,05 %	0,05 %
Carbón ve	0,05 %	0,05 %	0,09 %	0,18 %	0,18 %	0,16 %	0,22 %	0,22 %	0,22 %	0,21 %
Gases	1,32 %	1,13 %	1,11 %	1,62 %	1,65 %	1,55 %	1,56 %	0,74 %	0,71 %	0,27 %
Otras	0,00 %	0,00 %	0,00 %	0,00 %	0,00 %	0,00 %	0,00 %	0,01 %	0,01 %	0,01 %
No energet	3,88 %	3,83 %	4,89 %	2,68 %	3,08 %	4,29 %	4,10 %	3,54 %	2,84 %	3,62 %
TOTAL	100,00 %	100,00 %	100,00 %	100,00 %	100,00 %	100,00 %	100,00 %	100,00 %	100,00 %	100,00 %

ANEXO FINANCIERO

ACREEDOR	SIGLA	TOTAL	EQUIVALENTE DOLARES	INICIO	TÉRMINO
1976		Monedas en miles	Monedas en miles		
BANCO DO BRASIL S.A. Panamá. Cont.1975	US \$	19.000	19.000	1.978	1.982
FINEP Contrato F 159/75	Cr \$	400.000	32.402	1.985	1.995
BADESP Contrato 236/76	Cr \$	787.848	63.819	1.985	1.989
ELETROBRAS Contrato ECF 392/75	Cr \$	45.858.690	3.714.758	1.983	2.023
Contrato ECR 064/75	Cr \$	995.383	80.630	1.985	2.023

ACREEDOR	SIGLA	TOTAL	EQUIVALENTE DOLARES	INICIO	TERMINO
1977		Monedas en miles	Monedas en miles		
PRESTAMOS GARANTIZADOS POR LA REPUBLICA FEDERATIVA DE BRASIL					
ELETROBRAS					
Contrato ECF 392/75	Cr \$	59.510.172	3.707.799	1.983	2.023
Contrato ECR 064/75	Cr \$	1.291.694	80.479	1.985	2.023
Financiamiento adic.	Cr \$	1.000.000	62.305	1.979	1.982
BADESP	Cr \$	787.848	49.087	1.985	1.989
Cont.FINESP 034/76	Cr \$	875.954	54.577	1.985	1.989
Cont.FINESP 040/77	Cr \$	774.964	48.284	1.985	1.997
FINEP					
Contrato F 159/75	Cr \$	400.000	24.922	1.985	1.995
CAIXA ECONOMICA FED					
Contrato 14/3/77	Cr \$	205.000	12.772	1.985	1.987
Contrato 3/10/77	Cr \$	155.966	11.805	1.980	1.982
Contrato 8/12/77	Cr \$	119.233	7.429	1.982	1.992
DEUTSCHE BANK					
Contrato 5/4/77	DM	50.000	24.155	1.981	1.983
J.P. MORGAN INTERFUNDING CORP.					
Contrato 18/5/77	US \$	10.000	10.000	1.984	1.989
BANCO DO BRASIL					
Agencia Grand Cayman Contrato 17/10/77	US \$	62.000	62.000	1.981	(*)
Agencia Panamá Contrato 26/2/75	US \$	19.000	19.000	1.978	1.982
PRESTAMOS GARANTIZADOS POR LA ELETROBRAS.					
CITIBANK N.A.					
Filial San Pablo Contrato 4/8/77	US \$	22.000	22.000	1.980	1.985
Contrato 23/8/77	US \$	8.000	8.000	1.980	1.985
Filial Asunción Contrato 8/12/77	US \$	30.000	30.000	1.983	1.987

ACREEDOR	SIGLA	TOTAL	EQUIVALENTE DOLARES	INICIO	TERMINO
1978		Monedas en miles	Monedas en miles		
PRESTAMOS GARANTIZADOS POR LA REPUBLICA FEDERATIVA DE BRASIL					
ELETROBRAS					
Contrato ECF 392/75	Cr \$	79.516.697	3.800.989	1.983	2.023
Contrato ECR 064/75	Cr \$	1.725.945	82.502	1.985	2.023
Contrato ECF 620/78	Cr \$	10.741.332	513.448	1.986	2.023
Contrato ECR 102/78	Cr \$	1.000.000	47.801	1.988	2.023
Contrato ECF 631/78	Cr \$	5.377.956	257.072	1.986	2.023
BADESP					
FINESP 033/76	Cr \$	787.848	37.660	1.985	1.989
FINESP 034/76	Cr \$	875.954	41.872	1.985	1.989
FINESP 040/77	Cr \$	774.964	37.044	1.985	1.997
FINESP 050/78	Cr \$	5.389.895	257.643	1.989	1.998
FINEP					
Contrato F 159/75	Cr \$	399.907	19.116	1.985	1.995
CAIXA ECONOMICA FED					
Contrato 14/3/77	Cr \$	205.000	9.799	1.985	1.987
Contrato 3/10/77	Cr \$	155.966	7.455	1.980	1.982
Contrato 8/12/77	Cr \$	119.233	5.699	1.982	1.992
Contrato 13/2/78	Cr \$	295.000	14.101	1.986	1.988
BNDDES					
Contrato 22/12/78	Cr \$	17.925.489	856.859	1.989	1.998
BRDE					
Contrato 30/11/78	Cr \$	4.589.644	219.390	1.989	1.998
BNB					
Contrato 27/11/78	Cr \$	28.355.669	1.355.434	1.989	1.998
BASA					
Contrato 14/12/78	Cr \$	9.497.101	453.972	1.989	1.998
J.P. MORGAN INTERFUNDING CORP.					
Contrato 18/5/77	US \$	10.000	10.000	1.984	1.989
DEUTSCHE BANK					
Contrato 5/4/77	DM	50.000	27.933	1.981	1.983
Contrato 17/2/78					
1° línea	DM	30.000	16.760	1.982	1.984
2° línea	US \$	14.500	14.500	1.982	1.985
BANCO DO BRASIL					
Agencia Grand Cayman					
Contrato 17/10/77	US \$	62.000	62.000	1.981	1.988
Agencia Panamá					
Contrato 26/2/75	US \$	19.000	19.000	1.978	1.982

EUROPEAN BRAZILIAN BANK LTD. INGLATERRA Contrato 15/3/78	US \$	25.000	25.000	1.983	1.985
CITICORP INTERNATIO. BANK LTD. INGLATERRA Contrato 10/7/78					
Adelanto A	US \$	100.000	100.000	1.984	1.988
Adelanto B	US \$	75.000	75.000	1.984	1.990
PRESTAMOS GARANTIZADOS POR LA ELETROBRAS.					
CITIBANK N.A. Filial San Pablo Contrato 4/8/77	US \$	22.000	22.000	1.980	1.985
Contrato 23/8/77	US \$	8.000	8.000	1.980	1.985
Filial Asunción Contrato 8/12/77	US \$	30.000	30.000	1.983	1.987

ACREEDOR	SIGLA	TOTAL	EQUIVALENTE DOLARES	INICIO	TERMINO
1979		Monedas en miles	Monedas en miles		
PRESTAMOS GARANTIZADOS POR LA REPUBLICA FEDERATIVA DE BRASIL					
ELETROBRAS					
Contrato ECF 392/75	Cr \$	117.040.168	2.751.944	1.983	2.023
Contrato ECR 064/75	Cr \$	2.540.408	59.732	1.985	2.023
Contrato ECF 620/78	Cr \$	15.810.105	371.740	1.986	2.023
Contrato ECR 102/78	Cr \$	1.000.000	23.513	1.988	2.023
Contrato ECF 631/78	Cr \$	7.915.783	186.122	1.986	2.023
Contrato ECR 108/79	Cr \$	1.450.000	34.094	1.986	2.022
Contrato ECF 675/79	Cr \$	8.323.690	195.713	1.986	2.023
BADESP					
FINESP 033/76	Cr \$	838.510	19.716	1.985	1.988
FINESP 034/76	Cr \$	960.394	22.582	1.985	1.989
FINESP 040/77	Cr \$	774.222	18.204	1.985	1.997
FINESP 050/78	Cr \$	5.389.895	126.732	1.989	1.998
FINEP					
Contrato F 159/75	Cr \$	399.907	9.402	1.985	1.995
CAIXA ECONOMICA CEF					
Contrato 14/3/77	Cr \$	205.000	4.821	1.985	1.987
Contrato 3/10/77	Cr \$	155.966	3.667	1.980	1.982
Contrato 8/12/77	Cr \$	119.233	2.804	1.982	1.992
Contrato 13/2/78	Cr \$	295.000	6.936	1.986	1.988
BNDES					
Contrato 22/12/78	Cr \$	17.925.489	421.479	1.989	1.998
BRDE					
Contrato 30/11/78	Cr \$	4.589.644	107.915	1.983	1.999
Contrato 27/12/79	Cr \$	359.531	8.453	1.990	1.994
Contrato 27/12/79	Cr \$	817.465	19.221	1.990	1.999
BNB					
Contrato 27/11/78	Cr \$	28.355.669	666.722	1.989	1.999
BASA					
Contrato 14/12/78	Cr \$	9.497.101	223.304	1.989	1.999
J.P. MORGAN INTERFUNDING CORP.					
Contrato 18/5/77	US \$	10.000	10.000	1.984	1.989

DEUTSCHE BANK Contrato 5/4/77	DM	50.000	29.189	1.981	1.983
Contrato 17/2/78					
1° línea	DM	30.000	17.513	1.982	1.984
2° línea	US \$	14.500	14.500	1.982	1.985
Contrato 19/2/79	DM	309.200	180.502	1.989	1.998
Contrato 19/2/79	DM	100.800	58.844	1.989	1.990
BANCO DO BRASIL Agencia Grand Cayman					
Contrato 17/10/77	US \$	62.000	62.000	1.981	1.988
Contrato 26/4/79	US \$	100.000	100.000	1.985	1.993
Agencia Panamá					
Contrato 26/2/75	US \$	19.000	19.000	1.978	1.982
EUROPEAN BRAZILIAN BANK LTD. INGLATERRA Contrato 15/3/78	US \$	25.000	25.000	1.983	1.985
CITICORP INTERNATIO. BANK LTD. INGLATERRA Contrato 10/7/78					
Adelanto A	US \$	100.000	100.000	1.984	1.988
Adelanto B	US \$	75.000	75.000	1.984	1.990
DEUTSCHE BANK Cie. FINANCIERE LUXEMB. Contrato 5/2/79					
Línea A	US \$	125.000	125.000	1.985	1.989
Línea B	US \$	75.000	75.000	1.985	1.991
Línea C	US \$	50.000	50.000	1.985	1.994
MORGAN GUARANTY Co. of N.Y. INGLATERRA Contrato 17/9/79					
1° línea	US \$	80.000	80.000	1.987	1.991
2° línea	US \$	80.000	80.000	1.987	1.994
KREDITANSTALT FUR WIEDERAUFBAU RFA Contrato 19/2/79	DM	261.600	152.715	1.989	1.998
BANQUE DE PARIS ET DES PAYS BAS.FRANCIA Contrato 20/2/79	FF	613.474	153.330	1.989	1.999
THE SWISS BANK Co. SUIZA Contrato 22/2/79	Sw F	157.029	99.323	1.990	1.993
Contrato 22/2/79	Sw F	21.181	13.397	1.990	1.999
PRESTAMOS GARANTIZADOS POR LA ELETROBRAS.					
CITIBANK N.A. Filial San Pablo Contrato 4/8/77	US \$	22.000	22.000	1.980	1.985
Contrato 23/8/77	US \$	8.000	8.000	1.980	1.985
Filial Asunción Contrato 8/12/77	US \$	30.000	30.000	1.983	1.987

CONTRATOS CON OTRAS GARANTIAS

CITICORP INTERNAT.
 BANK LTD.INGLATERRA.
 Contrato 22/8/79

US \$

30.000

30.000

1.985

1.989

ACREEDOR	SIGLA	TOTAL	EQUIVALENTE DÓLARES	INICIO	TERMINO
1980		Monedas en miles	Monedas en miles		
PRESTAMOS GARANTIZADOS POR LA REPUBLICA FEDERATIVA DE BRASIL					
ELETRORBRAS					
Contrato ECF 392/75	Cr \$	165.695.577	2.529.703	1.983	2.023
Contrato ECR 064/75	Cr \$	3.596.495	54.908	1.985	2.023
Contrato ECF 620/78	Cr \$	22.382.610	341.719	1.986	2.023
Contrato ECR 102/78	Cr \$	1.000.000	15.267	1.988	2.023
Contrato ECF 631/78	Cr \$	11.206.497	171.092	1.986	2.023
Contrato ECR 108/79	Cr \$	1.450.000	22.137	1.986	2.022
Contrato ECF 675/79	Cr \$	11.783.976	179.908	1.986	2.022
Contrato ECR 113/80	Cr \$	2.100.000	32.061	1.986	2.022
Contrato ECF 759/80	Cr \$	7.617.282	116.294	1.986	2.022
Contrato ECF 760/80	Cr \$	8.013.380	122.342	1.986	2.022
BADESP					
FINESP 033/76	Cr \$	838.510	12.802	1.985	1.988
FINESP 034/76	Cr \$	960.394	14.663	1.985	1.989
FINESP 040/77	Cr \$	758.007	11.573	1.985	1.997
FINESP 050/78	Cr \$	5.389.895	82.288	1.989	1.998
FINEP					
Contrato F 159/75	Cr \$	399.907	6.105	1.985	1.995
CAIXA ECONOMICA CEF					
Contrato 14/3/77	Cr \$	205.000	3.130	1.985	1.987
Contrato 3/10/77	Cr \$	155.966	2.381	1.980	1.982
Contrato 8/12/77	Cr \$	119.233	1.820	1.982	1.992
Contrato 13/2/78	Cr \$	295.000	4.504	1.986	1.988
BNDDES					
Contrato 22/12/78	Cr \$	17.925.489	273.672	1.989	1.998
BRDE					
Contrato 30/11/78	Cr \$	4.589.644	70.071	1.983	1.999
Contrato 27/12/79	Cr \$	817.465	12.480	1.990	1.999
Contrato 27/12/79	Cr \$	526.124	8.032	1.990	1.994
Contrato 17/4/80	Cr \$	411.341	6.280	1.985	1.990
Contrato 17/4/80	Cr \$	343.704	5.247	1.985	1.990
Contrato 30/5/80	Cr \$	3.495.065	53.360	1.990	2.000
Contrato 30/5/80	Cr \$	565.360	8.631	1.990	1.995
Contrato 11/11/80	Cr \$	124.926	1.907	1.991	2.000
Contrato 11/11/80	Cr \$	17.668	270	1.988	1.990

BNB					
Contrato 27/11/78	Cr \$	28.355.669	432.911	1.989	1.999
Contrato 17/12/80	Cr \$	753.255	11.500	1.987	2.001
Contrato 17/12/80	Cr \$	1.281.380	19.563	1.987	2.001
Contrato 17/12/80	Cr \$	22.129.246	337.851	1.987	2.001
BASA					
Contrato 14/12/78	Cr \$	9.497.100	144.994	1.989	1.999
BADEP					
Contrato 28/10/80	Cr \$	2.805.893	42.838	1.986	2.000
Contrato 4/12/80	Cr \$	293.535	4.481	1.988	2.000
J.P. MORGAN INTERFUNDING CORP.					
Contrato 18/5/77	US \$	10.000	10.000	1.984	1.989
DEUTSCHE BANK					
Contrato 5/4/77	DM	50.000	25.822	1.981	1.983
Contrato 17/2/78					
1° línea	DM	30.000	15.493	1.982	1.984
2° línea	US \$	14.500	14.500	1.982	1.985
Contrato 19/2/79	DM	309.200	159.686	1.989	1.998
Contrato 19/2/79	DM	100.800	52.058	1.989	1.990
BANCO DO BRASIL					
Agencia Grand Cayman					
Contrato 17/10/77	US \$	62.000	62.000	1.981	1.988
Contrato 26/4/79	US \$	100.000	100.000	1.985	1.993
Agencia Panamá					
Contrato 26/2/75	US \$	19.000	19.000	1.978	1.982
EUROPEAN BRAZILIAN BANK LTD. INGLATERRA					
Contrato 15/3/78	US \$	25.000	25.000	1.983	1.985
CITICORP INTERNATIO. BANK LTD. INGLATERRA					
Contrato 10/7/78					
Adelanto A	US \$	100.000	100.000	1.984	1.988
Adelanto B	US \$	75.000	75.000	1.984	1.990
DEUTSCHE BANK Cie. FINANCIERE LUXEMBOUR					
Contrato 5/2/79					
Línea A	US \$	125.000	125.000	1.985	1.989
Línea B	US \$	75.000	75.000	1.985	1.991
Línea C	US \$	50.000	50.000	1.985	1.994
MORGAN GUARANTY Co. of N.Y. INGLATERRA					
Contrato 17/9/79					
1° línea	US \$	80.000	80.000	1.987	1.991
2° línea	US \$	80.000	80.000	1.987	1.994
KREDITANSTALT FUR WIEDERAUFBAU RFA					
Contrato 19/2/79	DM	261.600	135.103	1.989	1.998
BANQUE DE PARIS ET DES PAYS BAS.FRANCIA					
Contrato 20/2/79	FF	613.474	136.774	1.989	1.999

THE SWISS BANK Co. SUIZA Contrato 22/2/79	Sw F	157.029	89.859	1.990	1.999
Contrato 22/2/79	Sw F	21.181	12.121	1.990	1.993
Contrato 1/7/80	Sw F	199.692	114.273	1.990	1.999
Contrato 1/7/80	Sw F	23.184	13.267	1.990	1.992
SWISS BANK Co.S.A. Panamá Contrato 2/7/80					
1° línea	US \$	100.000	100.000	1.988	1.990
2° línea	US \$	100.000	100.000	1.985	1.990
DRESDNER BANK INTERN LUXEMBURGO Contrato 12/11/80	US \$	20.000	20.000	1.984	1.988
CITIBANK N.A. USA. Contrato 19/12/80	US \$	260.500	260.500	1.984	1.988
PRESTAMOS GARANTIZADOS POR LA ELETROBRAS.					
CITIBANK N.A. Filial San Pablo Contrato 4/8/77	US \$	22.000	22.000	1.980	1.985
Contrato 23/8/77	US \$	8.000	8.000	1.980	1.985
Filial Asunción Contrato 8/12/77	US \$	30.000	30.000	1.983	1.987
CONTRATOS CON OTRAS GARANTIAS					
CITICORP INTERNAT. BANK LTD.INGLATERRA. Contrato 22/8/79	US \$	30.000	30.000	1.985	1.989
CITIBANK N.A. Contrato 12/2/80	US \$	1.833	1.833	1.982	1.988
Contrato 26/2/80	US \$	667	667	1.982	1.988
BANCO DE INVESTMENT BCN S.A. Contrato 22/4/80	US \$	10.000	10.000		1.981
BANCO DO COMMERCIO E INDUSTRIA DE S.P.S.A Contrato 24/4/80	US \$	20.000	20.000	1.982	1.988
BANCO NACIONAL S.A. Contrato 30/4/80	US \$	10.000	10.000		1.981
BANESPA Contrato 30/4/80	US \$	10.000	10.000		1.981
LLOYDS BANK INTERN. LTD. INGLATERRA. Contrato 9/7/80	US \$	20.000	20.000	1.985	1.990
BANCO BRASCAN DE INVESTIMENTO S.A. Contrato 31/7/80	US \$	10.000	10.000	1.983	1.988

BANCO MERCANTIL DE SAO PAULO S.A. Contrato 4/8/80	US \$	3.000	3.000		1.981
Contrato 4/8/80	US \$	2.500	2.500		1.981
Contrato 4/8/80	US \$	2.000	2.000		1.981
Contrato 4/8/80	US \$	2.000	2.000		1.981
BANCO LAR BRASILEIRO Contrato 6/8/80	US \$	5.000	5.000	1.983	1.988
Contrato 7/11/80	US \$	5.000	5.000	1.983	1.988
CITIBANK N.A. Bahamas Contrato 15/9/80	US \$	40.000	40.000	1.984	1.988

ACREEDOR	SIGLA	TOTAL	EQUIVALENTE DOLARES	INICIO	TERMINO
1981		Monedas en miles	Monedas en miles		
PRESTAMOS GARANTIZADOS POR LA REPUBLICA FEDERATIVA DE BRASIL					
ELETRORBRAS					
Contrato ECF 392/75	Cr \$	309.484.359	2.421.630	1.983	2.023
Contrato ECR 064/75	Cr \$	6.717.493	52.563	1.985	2.023
Contrato ECF 620/78	Cr \$	41.805.990	327.120	1.986	2.023
Contrato ECR 102/78	Cr \$	1.000.000	7.825	1.988	2.023
Contrato ECF 631/78	Cr \$	20.931.370	163.782	1.986	2.023
Contrato ECR 108/79	Cr \$	1.450.000	11.346	1.986	2.022
Contrato ECF 675/79	Cr \$	22.009.980	172.222	1.986	2.022
Contrato ECR 113/80	Cr \$	2.100.000	16.432	1.986	2.022
Contrato ECF 759/80	Cr \$	14.227.475	111.326	1.986	2.022
Contrato ECF 760/80	Cr \$	14.967.302	117.115	1.986	2.022
Contrato ECF 776/81	Cr \$	46.348.300	362.663	1.986	2.022
Contrato ECF 777/81	Cr \$	47.043.030	368.099	1.986	2.022
BADESP					
FINESP 033/76	Cr \$	838.510	6.561	1.985	1.988
FINESP 034/76	Cr \$	960.394	7.515	1.985	1.989
FINESP 040/77	Cr \$	758.007	5.931	1.985	1.997
FINESP 050/78	Cr \$	5.389.895	42.174	1.989	1.998
FINEP					
Contrato F 159/75	Cr \$	399.907	3.129	1.985	1.995
CAIXA ECONOMICA CEF					
Contrato 14/3/77	Cr \$	205.000	1.604	1.985	1.987
Contrato 3/10/77	Cr \$	155.966	1.220	1.980	1.982
Contrato 8/12/77	Cr \$	119.233	993	1.982	1.992
Contrato 13/2/78	Cr \$	295.000	2.308	1.986	1.988
BNDDES					
Contrato 22/12/78	Cr \$	17.925.489	140.262	1.989	1.998
Contrato 4/9/81	Cr \$	52.433.753	410.280	1.987	1.997

BRDE					
Contrato 30/11/78	Cr \$	4.589.644	35.913	1.983	1.999
Contrato 27/12/79	Cr \$	817.465	6.396	1.990	1.999
Contrato 27/12/79	Cr \$	998.897	7.816	1.990	1.994
Contrato 17/4/80	Cr \$	1.148.162	8.984	1.985	1.990
Contrato 30/5/80	Cr \$	3.495.065	27.348	1.990	2.000
Contrato 30/5/80	Cr \$	1.105.672	8.652	1.990	1.995
Contrato 11/11/80	Cr \$	124.926	978	1.988	1.990
Contrato 11/11/80	Cr \$	34.552	270	1.991	2.000
BNB					
Contrato 27/11/78	Cr \$	28.355.669	221.875	1.989	1.999
Contrato 17/12/80	Cr \$	27.095.074	212.012	1.987	2.001
Contrato 30/6/81	Cr \$	5.946.639	46.530	1.986	1.997
Contrato 10/12/81	Cr \$	2.822.164	22.083	1.986	1.997
BASA					
Contrato 14/12/78	Cr \$	9.497.100	74.312	1.989	1.999
BADEP					
Contrato 28/10/80	Cr \$	3.413.744	26.712	1.986	2.000
Contrato 4/12/80	Cr \$	350.944	2.746	1.989	2.000
J.P. MORGAN INTERFUNDING CORP.					
Contrato 18/5/77	US \$	10.000	10.000	1.984	1.989
DEUTSCHE BANK					
Contrato 5/4/77	DM	50.000	22.193	1.981	1.983
Contrato 17/2/78					
1° línea	DM	30.000	13.316	1.982	1.984
2° línea	US \$	14.500	14.500	1.982	1.985
Contrato 19/2/79	DM	309.200	137.239	1.989	1.998
Contrato 19/2/79	DM	100.800	44.740	1.989	1.990
BANCO DO BRASIL					
Agencia Grand Cayman					
Contrato 17/10/77	US \$	62.000	62.000	1.981	1.988
Contrato 26/4/79	US \$	100.000	100.000	1.985	1.993
Contrato 5/1/81	US \$	120.000	120.000	1.987	1.995
Agencia Panamá					
Contrato 26/2/75	US \$	19.000	19.000	1.978	1.982
EUROPEAN BRAZILIAN BANK LTD. INGLATERRA					
Contrato 15/3/78	US \$	25.000	25.000	1.983	1.985
CITICORP INTERNATIO. BANK LTD. INGLATERRA					
Contrato 10/7/78					
Adelanto A	US \$	100.000	100.000	1.984	1.988
Adelanto B	US \$	75.000	75.000	1.984	1.990

DEUTSCHE BANK Cie.					
FINANCIERE LUXEMBOUR					
Contrato 5/2/79					
Linea A	US \$	125.000	125.000	1.985	1.989
Linea B	US \$	75.000	75.000	1.985	1.991
Linea C	US \$	50.000	50.000	1.985	1.994
MORGAN GUARANTY Co.					
of N.Y.INGLATERRA					
Contrato 17/9/79					
1° línea	US \$	80.000	80.000	1.987	1.991
2° línea	US \$	80.000	80.000	1.987	1.994
Contrato 26/8/81					
1ª línea A	US \$	155.227	155.227	1.985	1.989
1ª línea B	US \$	22.500	22.500	1.986	1.991
2ª línea A	US \$	164.773	164.773	1.985	1.989
2ª línea B	US \$	57.500	57.500	1.986	1.991
KREDITANSTALT FUR					
WIEDERAUFBAU RFA					
Contrato 19/2/79					
	DM	261.600	116.112	1.989	1.998
BANQUE DE PARIS ET					
DES PAYS BAS.FRANCIA					
Contrato 20/2/79					
	FF	613.474	107.646	1.989	1.999
THE SWISS BANK Co.					
SUIZA					
Contrato 22/2/79					
	Sw F	157.029	87.628	1.990	1.999
Contrato 22/2/79					
	Sw F	21.181	11.820	1.990	1.993
Contrato 1/7/80					
	Sw F	199.692	111.435	1.990	1.999
Contrato 1/7/80					
	Sw F	23.184	12.938	1.990	1.992
SWISS BANK Co.S.A.					
PANAMA					
Contrato 2/7/80					
1° línea	US \$	100.000	100.000	1.988	1.990
2ª línea	US \$	100.000	100.000	1.985	1.990
DRESDNER BANK INTERN					
LUXEMBURGO					
Contrato 12/11/80					
	US \$	20.000	20.000	1.984	1.988
CITIBANK N.A. USA.					
Contrato 19/12/80					
	US \$	266.500	266.500	1.984	1.988
THE ROYAL BANK OF					
CANADA. CANADA					
Contrato 1/7/81					
	US \$	10.000	10.000	1.985	1.989
AMERICAN EXPRESS					
INT. BANKING Co.					
Contrato 21/7/81					
1ª línea	US \$	20.000	20.000	1.985	1.989
2ª línea	US \$	10.000	10.000	1.986	1.991
BANK OF AMERICAN NAT					
TRUST&SAVINGS ASSOC					
Contrato 6/11/81					
	US \$	30.000	30.000	1.985	1.989
BANCO REAL S.A.					
INGLATERRA					
Contrato 22/10/81					
	US \$	25.000	25.000	1.985	1.989

PRESTAMOS GARANTIZADOS POR LA ELETROBRAS.

CITIBANK N.A. Filial San Pablo Contrato 4/8/77	US \$	22.000	22.000	1.980	1.985
Contrato 23/8/77	US \$	8.000	8.000	1.980	1.985
Filial Asunción Contrato 8/12/77	US \$	30.000	30.000	1.983	1.987

CONTRATOS CON OTRAS GARANTIAS

CITICORP INTERNAT. BANK LTD.INGLATERRA. Contrato 22/8/79	US \$	30.000	30.000	1.985	1.989
CITIBANK N.A. Contrato 12/2/80	US \$	1.833	1.833	1.982	1.988
Contrato 26/2/80	US \$	667	667	1.982	1.988
Contrato 26/2/81	US \$	2.500	2.500	1.983	1.989
Contrato 8/5/81	US \$	10.000	10.000	1.983	1.989
CITIBANK N.A. Bahamas Contrato 15/9/80	US \$	40.000	40.000	1.984	1.988
BANK OF LONDON&SOUTH AMERICA LTD. S.PAULO Contrato 6/10/81	US \$	10.000	10.000	1.984	1.989
BANCO DE INVESTIMENT BCN S.A. Contrato 22/4/80	US \$	10.000	10.000		1.981
BANCO DO COMMERCIO E INDUSTRIA DE S.P.S.A Contrato 24/4/80	US \$	20.000	20.000	1.982	1.988
BANCO NACIONAL S.A. Contrato 30/4/80	US \$	10.000	10.000		1.981
BANESPA Contrato 30/4/80	US \$	10.000	10.000		1.981
Contrato 23/6/81	US \$	10.000	10.000	1.982	1.988
LLOYDS BANK INTERN. LTD. INGLATERRA. Contrato 9/7/80	US \$	20.000	20.000	1.985	1.990
BANCO DE MONTREAL INVESTIMENTO S.A. Contrato 31/7/80	US \$	10.000	10.000	1.983	1.988
BANCO MERCANTIL DE SAO PAULO S.A. Contrato 4/8/80	US \$	9.500	9.500		1.982
BANCO LAR BRASILEIRO Contrato 6/8/80	US \$	5.000	5.000	1.983	1.988
Contrato 7/11/80	US \$	5.000	5.000	1.983	1.988

BANCO BAMERINDUS DO BRASIL S.A. Contrato 14/1/81	US \$	5.000	5.000	1.983	1.989
Contrato 5/11/81	US \$	10.000	10.000	1.984	1.989
BANCO DE INVESTIMENT CREDIBANCO S.A. Contrato 13/7/81	US \$	8.000	8.000	1.983	1.989
UNIBANCO BANCO DO INVESTIMENTO DO BRASIL S.A. Contrato 22/7/81	US \$	5.000	5.000	1.984	1.989
BANCO SAFRA S.A. Contrato 14/9/81	US \$	10.000	10.000	1.984	1.989
BANCO REAL S.A. DE INGLATERRA Adelanto	US \$	15.000	15.000		1.982

ACREEDOR	SIGLA	TOTAL	EQUIVALENTE DOLARES	INICIO	TERMINO
1982		Monedas en miles	Monedas en miles		
PRESTAMOS GARANTIZADOS POR LA REPUBLICA FEDERATIVA DE BRASIL					
ELETROBRAS					
Contrato ECF 392/75	Cr \$	598.934.725	2.370.423	1.983	2.023
Contrato ECR 064/75	Cr \$	13.000.141	51.451	1.985	2.023
Contrato ECF 620/78	Cr \$	80.905.734	320.203	1.986	2.023
Contrato ECR 102/78	Cr \$	1.000.000	3.958	1.988	2.023
Contrato ECF 631/78	Cr \$	40.057.781	158.538	1.986	2.023
Contrato ECR 108/79	Cr \$	1.450.000	5.739	1.986	2.022
Contrato ECF 675/79	Cr \$	42.595.178	168.580	1.986	2.022
Contrato ECR 113/80	Cr \$	2.100.000	8.311	1.986	2.022
Contrato ECF 759/80	Cr \$	27.533.956	108.972	1.986	2.022
Contrato ECF 760/80	Cr \$	28.965.719	114.639	1.986	2.022
Contrato ECF 776/81	Cr \$	46.348.300	183.434	1.986	2.022
Contrato ECF 777/81	Cr \$	91.040.803	360.315	1.986	2.022
Contrato ECF 831/82	Cr \$	114.932.100	454.870	1.986	2.022
Contrato ECF 832/82	Cr \$	86.842.861	343.701	1.986	2.022
BADESP					
FINESP 033/76	Cr \$	838.510	3.319	1.985	1.988
FINESP 034/76	Cr \$	960.394	3.801	1.985	1.989
FINESP 040/77	Cr \$	758.007	3.000	1.985	1.997
FINESP 050/78	Cr \$	5.389.895	21.332	1.989	1.998
FINEP					
Contrato F159/75	Cr \$	399.907	1.583	1.985	1.995
CAIXA ECONOMICA CEF					
Contrato 14/3/77	Cr \$	205.000	811	1.985	1.987
Contrato 3/10/77	Cr \$	155.966	617	1.980	1.982
Contrato 8/12/77	Cr \$	119.233	472	1.982	1.992
Contrato 13/2/78	Cr \$	295.000	1.168	1.986	1.988
Contrato 24/8/82	Cr \$	5.000.000	19.789	1.984	1.990
BNDES					
Contrato 22/12/78	Cr \$	17.925.489	70.944	1.989	1.998
Contrato 4/9/81	Cr \$	103.665.448	410.280	1.987	1.997

BRDE					
Contrato 30/11/78	Cr \$	4.589.644	18.165	1.983	1.999
Contrato 27/12/79	Cr \$	817.465	3.235	1.990	1.999
Contrato 27/12/79	Cr \$	1.944.723	7.697	1.990	1.994
Contrato 17/4/80	Cr \$	1.934.627	7.657	1.985	1.990
Contrato 30/5/80	Cr \$	3.495.065	13.833	1.990	2.000
Contrato 30/5/80	Cr \$	2.186.616	8.654	1.990	1.995
Contrato 11/11/80	Cr \$	124.926	494	1.988	1.990
Contrato 11/11/80	Cr \$	68.332	270	1.991	2.000
BNB					
Contrato 27/11/78	Cr \$	28.355.669	112.224	1.989	1.999
Contrato 17/12/80	Cr \$	32.959.194	130.444	1.987	2.001
Contrato 30/6/81	Cr \$	6.534.945	25.864	1.986	1.997
Contrato 10/12/81	Cr \$	3.511.266	13.897	1.986	1.997
Contrato 24/8/82	Cr \$	5.000.000	19.789	1.983	1.983
BASA					
Contrato 14/12/78	Cr \$	9.497.100	37.587	1.989	1.999
BADEP					
Contrato 28/10/80	Cr \$	4.629.806	18.324	1.986	2.000
Contrato 4/12/80	Cr \$	465.794	1.843	1.989	2.000
Contrato 19/8/82	Cr \$	10.000.000	39.577		
J.P. MORGAN INTERFUNDING CORP.					
Contrato 18/5/77	US \$	10.000	10.000	1.984	1.989
DEUTSCHE BANK					
Contrato 5/4/77	DM	50.000	21.240	1.981	1.983
Contrato 17/2/78					
1° línea	DM	30.000	12.744	1.982	1.984
2° línea	US \$	14.500	14.500	1.982	1.985
Contrato 19/2/79	DM	309.200	131.351	1.989	1.998
Contrato 19/2/79	DM	100.800	42.821	1.989	1.990
BANCO DO BRASIL					
Agencia Grand Cayman					
Contrato 17/10/77	US \$	62.000	62.000	1.981	1.988
Contrato 26/4/79	US \$	100.000	100.000	1.985	1.993
Contrato 5/1/81	US \$	120.000	120.000	1.987	1.995
Agencia Panamá					
Contrato 26/2/75	US \$	19.000	19.000	1.978	1.982
EUROPEAN BRAZILIAN BANK LTD. INGLATERRA					
Contrato 15/3/78	US \$	25.000	25.000	1.983	1.985
CITICORP INTERNATIO. BANK LTD. INGLATERRA					
Contrato 10/7/78					
Adelanto A	US \$	100.000	100.000	1.984	1.988
Adelanto B	US \$	75.000	75.000	1.984	1.990

DEUTSCHE BANK Cie.					
FINANCIERE LUXEMBOUR					
Contrato 5/2/79					
Línea A	US \$	125.000	125.000	1.985	1.989
Línea B	US \$	75.000	75.000	1.985	1.991
Línea C	US \$	50.000	50.000	1.985	1.994
MORGAN GUARANTY Co.					
of N.Y.INGLATERRA					
Contrato 17/9/79					
1° línea	US \$	80.000	80.000	1.987	1.991
2° línea	US \$	80.000	80.000	1.987	1.994
Contrato 26/8/81					
1ª línea A	US \$	155.227	155.227	1.985	1.989
1ª línea B	US \$	22.500	22.500	1.986	1.991
2ª línea A	US \$	164.773	164.773	1.985	1.989
2ª línea B	US \$	57.500	57.500	1.986	1.991
Adelanto	US \$	3.000	3.000	1.983	1.983
KREDITANSTALT FUR					
WIEDERAUFBAU RFA					
Contrato 19/2/79	DM	261.600	111.130	1.989	1.998
BANQUE DE PARIS ET					
DES PAYS BAS.FRANCIA					
Contrato 20/2/79	FF	613.474	91.961	1.989	1.998
THE SWISS BANK Co.					
SUIZA					
Contrato 22/2/79	Sw F	157.029	79.388	1.990	1.999
Contrato 22/2/79	Sw F	21.181	10.708	1.990	1.993
Contrato 1/7/80	Sw F	199.692	100.957	1.990	1.999
Contrato 1/7/80	Sw F	23.184	11.721	1.990	1.992
Contrato 8/2/82	Sw F	32.730	16.547	1.990	1.999
Contrato 8/2/82	Sw F	570	288	1.990	1.992
Contrato 8/2/82	Sw F	5.407	2.734	1.990	1.999
Contrato 8/2/82	Sw F	3.450	1.744	1.990	1.992
Contrato 9/6/82	Sw F	28.374	14.345	1.990	1.999
Contrato 9/6/82	Sw F	3.007	1.520	1.990	1.992
Contrato 19/7/82	Sw F	35.023	17.706	1.990	1.999
Contrato 19/7/82	Sw F	3.886	1.965	1.990	1.992
SWISS BANK Co.S.A.					
PANAMA					
Contrato 2/7/80					
1° línea	US \$	100.000	100.000	1.988	1.990
2° línea	US \$	100.000	100.000	1.985	1.990
Contrato 17/6/82	US \$	20.000	20.000	1.986	1.990
DRESDNER BANK INTERN					
LUXEMBURGO					
Contrato 12/11/80	US \$	20.000	20.000	1.984	1.988
CITIBANK N.A. USA.					
Contrato 19/12/80	US \$	266.500	266.500	1.984	1.988
THE ROYAL BANK OF					
CANADA. CANADA					
Contrato 1/7/81	US \$	10.000	10.000	1.985	1.989

AMERICAN EXPRESS INT. BANKING Co.					
Contrato 21/7/81					
1ª línea	US \$	20.000	20.000	1.985	1.989
2ª línea	US \$	10.000	10.000	1.986	1.991
BANK OF AMERICAN NAT TRUST&SAVINGS ASSOC					
Contrato 6/11/81	US \$	30.000	30.000	1.985	1.989
BANCO REAL S.A. INGLATERRA					
Contrato 22/10/81	US \$	25.000	25.000	1.985	1.989
Contrato 18/1/82	US \$	15.000	15.000	1.986	1.990
BANCO DO BRASIL S.A.					
Contrato 10/3/82	Cr \$	5.000.000	19.789	1.986	1.990
GRANDI MOTORI TRIEST FIAT-ANSALDO ITALIA					
Contrato 1/4/82	US \$	9.027	9.027	1.984	1.992
LIBRA BANK LTD. INGL					
Contrato 27/4/82					
Línea A	US \$	15.000	15.000	1.986	1.990
Línea B	US \$	10.000	10.000	1.986	1.990
THE FUJI BANK LTD. EUA					
Contrato 23/6/82	US \$	25.000	25.000	1.986	1.990
BANCO MITSUBISHI BRASILEIRO S.A.					
Contrato 26/11/82	US \$	10.000	10.000	1.985	1.990
PRESTAMOS GARANTIZADOS POR LA ELETROBRAS.					
CITIBANK N.A.					
Filial San Pablo					
Contrato 4/8/77	US \$	22.000	22.000	1.980	1.985
Contrato 23/8/77	US \$	8.000	8.000	1.980	1.985
Filial Asunción					
Contrato 8/12/77	US \$	30.000	30.000	1.983	1.987
CONTRATOS CON OTRAS GARANTIAS					
CITICORP INTERNAT. BANK LTD.INGLATERRA.					
Contrato 22/8/79	US \$	30.000	30.000	1.985	1.989
CITIBANK N.A.S.Paulo					
Contrato 12/2/80	US \$	1.833	1.833	1.982	1.988
Contrato 26/2/80	US \$	667	667	1.982	1.988
Contrato 26/2/81	US \$	2.500	2.500	1.983	1.989
Contrato 8/5/81	US \$	10.000	10.000	1.983	1.989
Contrato 4/6/82	US \$	5.000	5.000	1.984	1.990
CITIBANK N.A. Bahamas					
Contrato 15/9/80	US \$	40.000	40.000	1.984	1.988

BANK OF LONDON&SOUTH AMERICA LTD. S.PAULO Contrato 6/10/81	US \$	10.000	10.000	1.984	1.989
BANCO DO COMMERCIO E INDUSTRIA DE S.P.S.A Contrato 24/4/80	US \$	20.000	20.000	1.982	1.988
BANCO NACIONAL S.A. Contrato 13/12/82	US \$	6.000	6.000	1.986	1.990
BANESPA Contrato 23/6/81	US \$	10.000	10.000	1.982	1.988
Contrato 22/7/82	US \$	5.000	5.000	1.985	1.990
LLOYDS BANK INTERN. LTD. INGLATERRA. Contrato 9/7/80	US \$	20.000	20.000	1.985	1.990
Contrato 28/6/82	US \$	10.000	10.000	1.986	1.990
BANCO DE MONTREAL INVESTIMENTO S.A. Contrato 31/7/80	US \$	10.000	10.000	1.983	1.988
BANCO LAR BRASILEIRO Contrato 6/8/80	US \$	5.000	5.000	1.983	1.988
Contrato 7/11/80	US \$	5.000	5.000	1.983	1.988
BANCO BAMERINDUS DO BRASIL S.A. Contrato 14/1/81	US \$	5.000	5.000	1.983	1.989
Contrato 5/11/81	US \$	10.000	10.000	1.984	1.989
BANCO DE INVESTIMENT CREDIBANCO S.A. Contrato 13/7/81	US \$	8.000	8.000	1.983	1.989
UNIBANCO BANCO DO INVESTIMENTO DO BRASIL S.A. Contrato 22/7/81	US \$	5.000	5.000	1.984	1.989
BANCO SAFRA S.A. Contrato 14/9/81	US \$	10.000	10.000	1.984	1.989
BANCO REAL S.A. DE INGLATERRA Contrato 8/10/82	US \$	15.000	15.000	1.986	1.990
BANCO MERCANTIL DE S.PAULO S.A. Contrato 4/8/80	US \$	9.500	9.500	1.983	1.988
BANCO INTERATLANTICO DE INVESTIMENTOS Contrato 28/10/82	US \$	2.000	2.000	1.985	1.990
CITIBANK N.A. EUA Contrato 30/8/82	US \$	20.000	20.000	1.986	1.990
BANCO LATINO AMERIC. DE EXPORTACIONES PANAMA Contrato 23/8/82	US \$	2.000	2.000	1.986	1.990
BANCO SOGERAL S.A. Contrato 22/7/82	US \$	5.000	5.000	1.985	1.990
Contrato 10/12/82	US \$	5.000	5.000	1.985	1.990

ACREEDOR	SIGLA	TOTAL	EQUIVALENTE DOLARES	INICIO	TERMINO
1983		Monedas en miles	Monedas en miles		
PRESTAMOS GARANTIZADOS POR LA REPUBLICA FEDERATIVA DE BRASIL					
ELETROBRAS					
Contrato ECF 392/75	Cr \$	1.472.644.535	1.496.590	1.984	2.023
Contrato ECR 064/75	Cr \$	31.964.396	32.484	1.985	2.023
Contrato ECF 620/78	Cr \$	198.928.835	202.163	1.986	2.023
Contrato ECR 102/78	Cr \$	1.000.000	1.016	1.988	2.023
Contrato ECF 631/78	Cr \$	99.599.436	101.219	1.986	2.023
Contrato ECR 108/79	Cr \$	1.450.000	1.474	1.986	2.022
Contrato ECF 675/79	Cr \$	104.731.874	106.435	1.986	2.022
Contrato ECR 113/80	Cr \$	2.100.000	2.134	1.986	2.022
Contrato ECF 759/80	Cr \$	7.617.282	7.741	1.986	2.022
Contrato ECF 760/80	Cr \$	71.220.129	72.378	1.986	2.022
Contrato ECF 776/81	Cr \$	46.348.300	47.102	1.986	2.022
Contrato ECF 777/81	Cr \$	223.848.669	227.488	1.986	2.022
Contrato ECF 831/82	Cr \$	114.932.100	116.801	1.986	2.022
Contrato ECF 832/82	Cr \$	213.526.882	216.999	1.986	2.022
Contrato ECF 901/83	Cr \$	237.475.663	241.337	1.986	2.023
Contrato ECF 902/83	Cr \$	248.422.330	252.462	1.986	2.023
BADESP					
FINESP 033/76	Cr \$	9.715.901	9.874	1.985	1.988
FINESP 034/76	Cr \$	5.390.919	5.479	1.985	1.989
FINESP 040/77	Cr \$	4.698.877	4.775	1.985	1.997
FINESP 050/78	Cr \$	5.389.895	5.478	1.989	1.998
FINEP					
Contrato F159/75	Cr \$	399.907	406	1.985	1.995
CAIXA ECONOMICA CEF					
Contrato 14/3/77	Cr \$	205.000	208	1.985	1.987
Contrato 8/12/77	Cr \$	119.233	121	1.982	1.992
Contrato 13/2/78	Cr \$	295.000	300	1.986	1.988
Contrato 24/8/82	Cr \$	5.000.000	5.081	1.984	1.990
BNDES					
Contrato 22/12/78	Cr \$	17.925.489	18.217	1.989	1.998
Contrato 4/9/81	Cr \$	403.715.279	410.280	1.987	1.997

BRDE					
Contrato 30/11/78	Cr \$	4.589.644	4.664	1.983	1.999
Contrato 27/12/79	Cr \$	817.465	831	1.990	1.999
Contrato 27/12/79	Cr \$	4.940.527	5.021	1.990	1.994
Contrato 17/4/80	Cr \$	4.425.676	4.498	1.985	1.990
Contrato 30/5/80	Cr \$	3.495.065	3.552	1.990	2.000
Contrato 30/5/80	Cr \$	5.610.392	5.702	1.990	1.995
Contrato 11/11/80	Cr \$	175.325	178	1.988	2.000
Contrato 11/11/80	Cr \$	124.926	127	1.991	1.990
Contrato 22/6/83	Cr \$	9.417.151	9.570	1.988	1.998
BNB					
Contrato 27/11/78	Cr \$	28.355.669	28.817	1.989	1.999
Contrato 17/12/80	Cr \$	51.533.180	52.371	1.987	2.001
Contrato 30/6/81	Cr \$	8.398.344	8.535	1.986	1.997
Contrato 10/12/81	Cr \$	5.693.923	5.787	1.986	1.997
Contrato 24/8/82	Cr \$	5.000.000	5.081	1.983	1.983
Contrato 24/4/83	Cr \$	14.012.611	14.240	1.987	1.997
BASA					
Contrato 14/12/78	Cr \$	23.257.252	23.635	1.989	1.999
BADEP					
Contrato 28/10/80	Cr \$	8.481.554	8.619	1.986	2.000
Contrato 4/12/80	Cr \$	829.570	843	1.986	2.000
J.P. MORGAN INTERFUNDING CORP.					
Contrato 18/5/77	US \$	10.000	10.000	1.984	1.989
DEUTSCHE BANK					
Contrato 5/4/77	DM	50.000	18.498	1.981	1.983
Contrato 17/2/78					
1º línea	DM	30.000	11.099	1.982	1.984
2º línea	US \$	14.500	14.500	1.982	1.985
Contrato 19/2/79	DM	309.200	114.391	1.989	1.998
Contrato 19/2/79	DM	100.800	37.292	1.989	1.990
BANCO DO BRASIL					
Agencia Grand Cayman					
Contrato 17/10/77	US \$	62.000	62.000	1.981	1.988
Contrato 26/4/79	US \$	100.000	100.000	1.985	1.993
Contrato 5/1/81	US \$	120.000	120.000	1.987	1.995
EUROPEAN BRAZILIAN BANK LTD. INGLATERRA					
Contrato 15/3/78	US \$	25.000	25.000	1.983	1.985
CITICORP INTERNATIO. BANK LTD. INGLATERRA					
Contrato 10/7/78					
Adelanto A	US \$	100.000	100.000	1.984	1.988
Adelanto B	US \$	75.000	75.000	1.984	1.990

DEUTSCHE BANK Cie.					
FINANCIERE LUXEMBOUR					
Contrato 5/2/79					
Linea A	US \$	125.000	125.000	1.985	1.989
Linea B	US \$	75.000	75.000	1.985	1.991
Linea C	US \$	50.000	50.000	1.985	1.994
MORGAN GUARANTY Co.					
of N.Y.INGLATERRA					
Contrato 17/9/79					
1° línea	US \$	80.000	80.000	1.987	1.991
2° línea	US \$	80.000	80.000	1.987	1.994
Contrato 26/8/81					
1ª línea A	US \$	155.227	155.227	1.985	1.989
1ª línea B	US \$	22.500	22.500	1.986	1.991
2ª línea A	US \$	164.773	164.773	1.985	1.989
2ª línea B	US \$	57.500	57.500	1.986	1.991
KREDITANSTALT FUR					
WIEDERAUFBAU RFA					
Contrato 19/2/79					
	DM	261.600	96.781	1.989	1.998
BANQUE DE PARIS ET					
DES PAYS BAS.FRANCIA					
Contrato 20/2/79					
	FF	613.474	74.306	1.989	1.998
THE SWISS BANK Co.					
SUIZA					
Contrato 22/2/79					
	Sw F	157.029	72.497	1.990	1.999
Contrato 22/2/79					
	Sw F	21.181	9.779	1.990	1.993
Contrato 1/7/80					
	Sw F	199.692	92.194	1.990	1.999
Contrato 1/7/80					
	Sw F	23.184	10.704	1.990	1.992
Contrato 8/2/82					
	Sw F	32.730	15.111	1.990	1.999
Contrato 8/2/82					
	Sw F	570	263	1.990	1.992
Contrato 8/2/82					
	Sw F	5.407	2.496	1.990	1.999
Contrato 8/2/82					
	Sw F	3.450	1.593	1.990	1.992
Contrato 9/6/82					
	Sw F	28.374	13.100	1.990	1.999
Contrato 9/6/82					
	Sw F	3.007	1.388	1.990	1.992
Contrato 19/7/82					
	Sw F	35.023	16.169	1.990	1.999
Contrato 19/7/82					
	Sw F	3.886	1.794	1.990	1.992
SWISS BANK Co.S.A.					
PANAMA					
Contrato 2/7/80					
1° línea	US \$	100.000	100.000	1.988	1.990
2ª línea	US \$	100.000	100.000	1.985	1.990
Contrato 17/6/82					
	US \$	20.000	20.000	1.986	1.990
DRESDNER BANK INTERN					
LUXEMBURGO					
Contrato 12/11/80					
	US \$	20.000	20.000	1.984	1.988
Contrato 2/2/83					
	DM	30.000	11.099	1.985	1.991
CITIBANK N.A. EUA.					
Contrato 19/12/80					
	US \$	266.500	266.500	1.984	1.988

THE ROYAL BANK OF CANADA. CANADA Contrato 1/7/81	US \$	10.000	10.000	1.985	1.989
AMERICAN EXPRESS INT. BANKING Co. Contrato 21/7/81					
1ª línea	US \$	20.000	20.000	1.985	1.989
2ª línea	US \$	10.000	10.000	1.986	1.991
BANK OF AMERICAN NAT TRUST&SAVINGS ASSOC Contrato 6/11/81	US \$	30.000	30.000	1.985	1.989
BANCO REAL S.A. INGLATERRA Contrato 22/10/81	US \$	25.000	25.000	1.985	1.989
Contrato 18/1/82	US \$	15.000	15.000	1.986	1.990
BANCO DO BRASIL S.A. Contrato 10/3/82	Cr \$	5.000.000	19.789	1.986	1.990
Contrato 29/6/83	Cr \$	7.000.000	7.114	1.987	1.987
GRANDI MOTORI TRIEST FIAT-ANSALDO ITALIA Contrato 1/4/82	US \$	9.027	9.027	1.984	1.992
LIBRA BANK LTD. INGL Contrato 27/4/82					
Línea A	US \$	15.000	15.000	1.986	1.990
Línea B	US \$	10.000	10.000	1.986	1.990
THE FUJI BANK LTD. EUA Contrato 23/6/82	US \$	25.000	25.000	1.986	1.990
BANCO MITSUBISHI BRASILEIRO S.A. Contrato 26/11/82	US \$	10.000	10.000	1.985	1.990
Contrato 5/5/83	US \$	10.000	10.000	1.985	1.991
DRESDNER BANK A.G. Contrato 2/2/83	DM	33.150	12.264	1.989	1.998
BANCO ECONOMICO S.A. Contrato 22/6/83	Cr \$	2.208.119	2.244	1.988	1.998
ROYAL BANK OF CANADA LTD Barbados Contrato 27/6/83	US \$	20.000	20.000	1.986	1.991
BADERN Contrato 2/8/83	Cr \$	3.346.122	3.401	1.988	1.998
PRESTAMOS GARANTIZADOS POR LA ELETROBRAS.					
CITIBANK N.A. Filial San Pablo Contrato 4/8/77	US \$	22.000	22.000	1.980	1.985
Contrato 23/8/77	US \$	8.000	8.000	1.980	1.985
Filial Asunción Contrato 8/12/77	US \$	30.000	30.000	1.983	1.987
Contrato 15/4/83	US \$	29.600	29.600	1.987	1.991

CONTRATOS CON OTRAS GARANTIAS

CITICORP INTERNAT. BANK LTD.INGLATERRA. Contrato 22/8/79	US \$	30.000	30.000	1.985	1.989
CITIBANK N.A.S.Pablo Contrato 12/2/80	US \$	1.833	1.833	1.982	1.988
Contrato 26/2/80	US \$	667	667	1.982	1.988
Contrato 26/2/81	US \$	2.500	2.500	1.983	1.989
Contrato 8/5/81	US \$	10.000	10.000	1.983	1.989
Contrato 4/6/82	US \$	5.000	5.000	1.984	1.990
CITIBANK N.A.Bahamas Contrato 15/9/80	US \$	40.000	40.000	1.984	1.988
BANCO DO COMMERCIO E INDUSTRIA DE S.P.S.A Contrato 24/4/80	US \$	20.000	20.000	1.982	1.988
BANCO NACIONAL S.A. Contrato 13/12/82	US \$	6.000	6.000	1.986	1.990
BANESPA Contrato 23/6/81	US \$	10.000	10.000	1.982	1.988
Contrato 22/7/82	US \$	5.000	5.000	1.985	1.990
LLOYDS BANK INTERN. LTD. INGLATERRA. Contrato 9/7/80	US \$	20.000	20.000	1.985	1.990
Contrato 28/6/82	US \$	10.000	10.000	1.986	1.990
Contrato 22/6/83	US \$	14.000	14.000	1.987	1.991
BANCO DE MONTREAL INVESTIMENTO S.A. Contrato 31/7/80	US \$	10.000	10.000	1.983	1.988
BANCO LAR BRASILEIRO Contrato 6/8/80	US \$	5.000	5.000	1.983	1.988
Contrato 7/11/80	US \$	5.000	5.000	1.983	1.988
Contrato 1/7/83	US \$	12.000	12.000	1.986	1.991
BANCO BAMERINDUS DO BRASIL S.A. Contrato 14/1/81	US \$	5.000	5.000	1.983	1.989
Contrato 5/11/81	US \$	10.000	10.000	1.984	1.989
BANCO DE INVESTIMENT CREDIBANCO S.A. Contrato 13/7/81	US \$	8.000	8.000	1.983	1.989
UNIBANCO BANCO DO INVESTIMENTO DO BRASIL S.A. Contrato 22/7/81	US \$	5.000	5.000	1.984	1.989
BANCO SAFRA S.A. Contrato 14/9/81	US \$	10.000	10.000	1.984	1.989
BANCO REAL S.A. DE INGLATERRA Contrato 8/10/82	US \$	15.000	15.000	1.986	1.990

BANCO MERCANTIL DE S.PAULO S.A. Contrato 4/8/80	US \$	9.500	9.500	1.983	1.988
BANCO INTERATLANTICO DE INVESTIMENTOS Contrato 28/10/82	US \$	2.000	2.000	1.985	1.990
CITIBANK N.A. EUA Contrato 30/8/82	US \$	20.000	20.000	1.986	1.990
BANCO LATINO AMERIC. DE EXPORTACIONES Panamá Contrato 23/8/82	US \$	2.000	2.000	1.986	1.990
BANCO SOGERAL S.A. Contrato 22/7/82	US \$	5.000	5.000	1.985	1.990
Contrato 10/12/82	US \$	5.000	5.000	1.985	1.990
MORGAN GUARANTY T. Co OF N.Y.INGLATERRA Contrato 1/4/83	US \$	3.000	3.000	1.987	1.991
LLOYDS BANK INTERN. LTD. SAO PAULO Contrato 6/10/81	US \$	10.000	10.000	1.984	1.989

ACREEDOR	SIGLA	TOTAL	EQUIVALENTE DOLARES	INICIO	TERMINO
1984		Monedas en miles			
PRESTAMOS GARANTIZADOS POR LA REPUBLICA FEDERATIVA DE BRASIL					
ELETROBRAS					
Contrato ECF 392/75	Cr \$	4.461.619.846	1.401.263	1.985	2.023
Contrato ECR 064/75	Cr \$	96.841.416	30.415	1.985	2.023
Contrato ECF 620/78	Cr \$	602.687.762	189.286	1.986	2.023
Contrato ECR 102/78	Cr \$	1.000.000	314	1.988	2.023
Contrato ECF 631/78	Cr \$	301.752.942	94.772	1.986	2.023
Contrato ECR 108/79	Cr \$	1.450.000	455	1.986	2.022
Contrato ECF 675/79	Cr \$	317.302.509	99.665	1.986	2.022
Contrato ECR 113/80	Cr \$	2.100.000	660	1.986	2.022
Contrato ECF 759/80	Cr \$	7.617.282	2.392	1.986	2.022
Contrato ECF 760/80	Cr \$	215.773.142	67.768	1.986	2.022
Contrato ECF 776/81	Cr \$	46.348.300	14.557	1.986	2.022
Contrato ECF 777/81	Cr \$	678.186.514	212.998	1.986	2.022
Contrato ECF 831/82	Cr \$	114.932.100	36.097	1.986	2.022
Contrato ECF 832/82	Cr \$	646.914.955	203.177	1.986	2.022
Contrato ECF 901/83	Cr \$	237.475.663	74.584	1.986	2.023
Contrato ECF 902/83	Cr \$	752.636.480	236.381	1.986	2.023
Contrato ECF 925/83	Cr \$	464.549.566	145.901	1.985	2.023
BADESP					
FINESP 033/76	Cr \$	26.690.887	9.325	1.985	1.988
FINESP 034/76	Cr \$	15.195.229	4.772	1.985	1.989
FINESP 040/77	Cr \$	13.449.503	4.224	1.985	1.997
FINESP 050/78	Cr \$	230.579.668	72.418	1.989	1.998
FINEP					
Contrato F159/75	Cr \$	399.907	126	1.985	1.995
CAIXA ECONOMICA CEF					
Contrato 14/3/77	Cr \$	205.000	64	1.985	1.987
Contrato 8/12/77	Cr \$	119.233	37	1.982	1.992
Contrato 13/2/78	Cr \$	295.000	93	1.986	1.988
Contrato 24/8/82	Cr \$	5.000.000	1.570	1.984	1.990
BNDDES					
Contrato 22/12/78	Cr \$	59.479.964	18.681	1.989	1.998
Contrato 4/9/81	Cr \$	1.306.330.740	410.280	1.987	1.997

BRDE					
Contrato 30/11/78	Cr \$	45.149.852	14.180	1.983	1.999
Contrato 27/12/79	Cr \$	817.465	257	1.990	1.999
Contrato 27/12/79	Cr \$	15.508.756	4.871	1.990	1.994
Contrato 17/4/80	Cr \$	13.213.291	4.150	1.985	1.990
Contrato 30/5/80	Cr \$	3.495.065	1.098	1.990	2.000
Contrato 30/5/80	Cr \$	17.688.368	5.555	1.990	1.995
Contrato 11/11/80	Cr \$	552.762	174	1.988	1.991
Contrato 11/11/80	Cr \$	124.926	39	1.991	2.000
Contrato 22/6/83	Cr \$	9.417.151	2.958	1.988	1.998
BNB					
Contrato 27/11/78	Cr \$	674.076.267	211.707	1.989	1.999
Contrato 17/12/80	Cr \$	117.056.199	36.764	1.987	2.001
Contrato 30/6/81	Cr \$	14.971.812	4.702	1.986	1.997
Contrato 10/12/81	Cr \$	13.393.632	4.207	1.986	1.997
Contrato 24/8/82	Cr \$	5.000.000	1.570	1.984	1.985
Contrato 24/4/83	Cr \$	27.543.568	8.651	1.987	1.997
Contrato 24/4/84	Cr \$	159.270.640	50.022	1.988	1.998
BASA					
Contrato 14/12/78	Cr \$	53.901.270	16.929	1.989	1.999
BADEP					
Contrato 28/10/80	Cr \$	22.069.277	6.931	1.986	2.000
Contrato 4/12/80	Cr \$	2.112.855	664	1.989	2.000
J.P. MORGAN INTERFUNDING CORP.					
Contrato 18/5/77	US \$	10.000	10.000	1.984	1.989
DEUTSCHE BANK					
Contrato 17/2/78					
1° línea	DM	30.000	9.591	1.982	1.984
2° línea	US \$	14.500	14.500	1.982	1.985
Contrato 19/2/79	DM	309.200	98.849	1.989	1.998
Contrato 19/2/79	DM	100.800	32.225	1.989	1.990
BANCO DO BRASIL					
Agencia Grand Cayman					
Contrato 17/10/77	US \$	62.000	62.000	1.981	1.988
Contrato 26/4/79	US \$	100.000	100.000	1.985	1.993
Contrato 5/1/81	US \$	120.000	120.000	1.987	1.995
EUROPEAN BRAZILIAN BANK LTD. INGLATERRA					
Contrato 15/3/78	US \$	25.000	25.000	1.983	1.985
CITICORP INTERNATIO. BANK LTD. INGLATERRA					
Contrato 10/7/78					
Adelanto A	US \$	100.000	100.000	1.984	1.988
Adelanto B	US \$	75.000	75.000	1.984	1.990

DEUTSCHE BANK Cie.					
FINANCIERE LUXEMBOUR					
Contrato 5/2/79					
Linea A	US \$	125.000	125.000	1.985	1.989
Linea B	US \$	75.000	75.000	1.985	1.991
Linea C	US \$	50.000	50.000	1.985	1.994
MORGAN GUARANTY Co.					
of N.Y. INGLATERRA					
Contrato 17/9/79					
1° línea	US \$	80.000	80.000	1.987	1.991
2° línea	US \$	80.000	80.000	1.987	1.994
Contrato 26/8/81					
1ª línea A	US \$	155.227	155.227	1.985	1.989
1ª línea B	US \$	22.500	22.500	1.986	1.991
2ª línea A	US \$	164.773	164.773	1.985	1.989
2ª línea B	US \$	57.500	57.500	1.986	1.991
Contrato 31/1/84					
	US \$	10.000	10.000	1.986	1.992
KREDITANSTALT FUR					
WIEDERAUFBAU RFA					
Contrato 19/2/79					
	DM	261.600	83.631	1.989	1.998
BANQUE DE PARIS ET					
DES PAYS BAS. FRANCIA					
Contrato 20/2/79					
	FF	613.474	64.029	1.989	1.998
THE SWISS BANK Co.					
SUIZA					
Contrato 22/2/79					
	Sw F	157.029	60.928	1.990	1.999
Contrato 22/2/79					
	Sw F	21.181	8.218	1.990	1.993
Contrato 1/7/80					
	Sw F	199.692	77.481	1.990	1.999
Contrato 1/7/80					
	Sw F	23.184	8.995	1.990	1.992
Contrato 8/2/82					
	Sw F	32.730	12.699	1.990	1.999
Contrato 8/2/82					
	Sw F	570	221	1.990	1.992
Contrato 8/2/82					
	Sw F	5.407	2.098	1.990	1.999
Contrato 8/2/82					
	Sw F	3.450	1.339	1.990	1.992
Contrato 9/6/82					
	Sw F	28.374	11.009	1.990	1.999
Contrato 9/6/82					
	Sw F	3.007	1.167	1.990	1.992
Contrato 19/7/82					
	Sw F	35.023	13.589	1.990	1.999
Contrato 19/7/82					
	Sw F	3.886	1.508	1.990	1.992
SWISS BANK Co.S.A.					
PANAMA					
Contrato 2/7/80					
1° línea	US \$	100.000	100.000	1.988	1.990
2ª línea	US \$	100.000	100.000	1.985	1.990
Contrato 17/6/82					
	US \$	20.000	20.000	1.986	1.990
DRESDNER BANK INTERN					
LUXEMBURGO					
Contrato 12/11/80					
	US \$	20.000	20.000	1.984	1.988
Contrato 2/2/83					
	DM	30.000	11.099	1.985	1.991

CITIBANK.N.A. EUA. Contrato 19/12/80	US \$	266.500	266.500	1.984	1.988
Contrato 31/5/84					
Línea A	CAN \$	24.000	18.237	1.986	1.992
Línea B	US \$	69.000	69.000	1.986	1.992
Línea C	US \$	15.000	15.000	1.989	1.993
THE ROYAL BANK OF CANADA. CANADA Contrato 1/7/81	US \$	10.000	10.000	1.985	1.989
AMERICAN EXPRESS INT. BANKING Co. Contrato 21/7/81					
1ª línea	US \$	20.000	20.000	1.985	1.989
2ª línea	US \$	10.000	10.000	1.986	1.991
BANK OF AMERICAN NAT TRUST&SAVINGS ASSOC Contrato 6/11/81	US \$	30.000	30.000	1.985	1.989
BANCO REAL S.A. INGLATERRA Contrato 22/10/81	US \$	25.000	25.000	1.985	1.989
Contrato 18/1/82	US \$	15.000	15.000	1.986	1.990
BANCO DO BRASIL S.A. Contrato 10/3/82	Cr \$	5.000.000	1.570	1.986	1.990
Contrato 29/6/83	Cr \$	7.000.000	2.198	1.987	1.987
FINCANTIERI ITALIA Contrato 1/4/82	US \$	9.027	9.027	1.985	1.993
LIBRA BANK LTD. INGL Contrato 27/4/82					
Línea A	US \$	15.000	15.000	1.986	1.990
Línea B	US \$	10.000	10.000	1.986	1.990
THE FUJI BANK LTD. EUA Contrato 23/6/82	US \$	25.000	25.000	1.986	1.990
BANCO MITSUBISHI BRASILEIRO S. A. Contrato 26/11/82	US \$	10.000	10.000	1.985	1.990
Contrato 5/5/83	US \$	10.000	10.000	1.985	1.991
DRESDNER BANK A.G. Contrato 2/2/83	DM	33.150	10.598	1.989	1.998
BANCO ECONOMICO S.A. Contrato 22/6/83	Cr \$	2.208.119	694	1.988	1.998
ROYAL BANK OF CANADA LTD Barbados Contrato 27/6/83	US \$	20.000	20.000	1.986	1.991
BADERN Contrato 2/8/83	Cr \$	3.346.122	1.051	1.988	1.998
BANK OF MONTREAL Bahamas Contrato 14/2/84	CAN \$	19.065	14.487	1.986	1.992
THE BANK OF TOKIO LTD. EUA. Contrato 28/5/84	US \$	40.000	40.000	1.986	1.992

THE CHASE MANHATTAN BANK N.A.INGLATERRA Contrato 28/9/84	US \$	48.000	48.000	1.989	1.993
Contrato 28/9/84	CAN \$	10.000	7.599	1.989	1.993
BARCLAYS BANK INTER. LTD. INGLATERRA. Contrato 14/11/84	US \$	32.000	32.000	1.989	1.993
BANCO SOGERAL S.A. Contrato 10/12/82	US \$	5.000	5.000	1.985	1.990
BANCO LAR BRASILEÑO Contrato 1/7/83	US \$	12.000	12.000	1.986	1.991
PRESTAMOS GARANTIZADOS POR LA ELETROBRAS.					
CITIBANK N.A. Filial San Pablo Contrato 4/8/77	US \$	22.000	22.000	1.980	1.985
Contrato 23/8/77	US \$	8.000	8.000	1.980	1.985
Filial Asunción Contrato 8/12/77	US \$	30.000	30.000	1.983	1.987
Contrato 15/4/83	US \$	29.600	29.600	1.987	1.991
CONTRATOS CON OTRAS GARANTIAS					
CITICORP INTERNAT. BANK LTD.INGLATERRA. Contrato 22/8/79	US \$	30.000	30.000	1.985	1.989
CITIBANK N.A.S.Pablo Contrato 12/2/80	US \$	1.833	1.833	1.982	1.988
Contrato 26/2/80	US \$	667	667	1.982	1.988
Contrato 26/2/81	US \$	2.500	2.500	1.983	1.989
Contrato 8/5/81	US \$	10.000	10.000	1.983	1.989
Contrato 4/6/82	US \$	5.000	5.000	1.984	1.990
CITIBANK N.A.Bahamas Contrato 15/9/80	US \$	40.000	40.000	1.984	1.988
BANCO DO COMMERCIO E INDUSTRIA DE S.P.S.A Contrato 24/4/80	US \$	20.000	20.000	1.982	1.988
BANCO NACIONAL S.A. Contrato 13/12/82	US \$	6.000	6.000	1.986	1.990
BANESPA Contrato 23/6/81	US \$	10.000	10.000	1.982	1.988
Contrato 22/7/82	US \$	5.000	5.000	1.985	1.990
LLOYDS BANK INTERN. LTD. INGLATERRA. Contrato 9/7/80	US \$	20.000	20.000	1.985	1.990
Contrato 28/6/82	US \$	10.000	10.000	1.986	1.990
Contrato 22/6/83	US \$	14.000	14.000	1.987	1.991

BANCO DE MONTREAL INVESTIMENTO S.A. Contrato 31/7/80	US \$	10.000	10.000	1.983	1.988
BANCO LAR BRASILEIRO Contrato 6/8/80	US \$	5.000	5.000	1.983	1.988
Contrato 7/11/80	US \$	5.000	5.000	1.983	1.988
BANCO BAMERINDUS DO BRASIL S.A. Contrato 14/1/81	US \$	5.000	5.000	1.983	1.989
Contrato 5/11/81	US \$	10.000	10.000	1.984	1.989
BANCO DE INVESTIMENT CREDIBANCO S.A. Contrato 13/7/81	US \$	8.000	8.000	1.983	1.989
UNIBANCO BANCO DO INVESTIMENTO DO BRASIL S.A. Contrato 22/7/81	US \$	5.000	5.000	1.984	1.989
BANCO SAFRA S.A. Contrato 14/9/81	US \$	10.000	10.000	1.984	1.989
BANCO REAL S.A. DE INGLATERRA Contrato 8/10/82	US \$	15.000	15.000	1.986	1.990
BANCO MERCANTIL DE S. PAULO S.A. Contrato 4/8/80	US \$	9.500	9.500	1.983	1.988
BANCO INTERATLANTICO DE INVESTIMENTOS Contrato 28/10/82	US \$	2.000	2.000	1.985	1.990
CITIBANK N.A. EUA. Contrato 30/8/82	US \$	20.000	20.000	1.986	1.990
BANCO LATINO AMERIC. DE EXPORTACIONES PANAMA Contrato 23/8/82	US \$	2.000	2.000	1.986	1.990
BANCO SOGERAL S.A. Contrato 22/7/82	US \$	5.000	5.000	1.985	1.990
MORGAN GUARANTY T. Co OF N.Y.INGLATERRA Contrato 1/4/83	US \$	3.000	3.000	1.987	1.991
LLOYDS BANK INTERN. LTD. SAO PAULO Contrato 6/10/81	US \$	10.000	10.000	1.984	1.989

ACREEDOR	SIGLA	TOTAL	EQUIVALENTE DOLARES	INICIO	TERMINO
1985		Monedas en miles			
PRESTAMOS GARANTIZADOS POR LA REPUBLICA FEDERATIVA DE BRASIL					
ELETROBRAS					
Contrato ECF 392/75	Cr \$	14.557.968.041	1.387.795	1.985	2.023
Contrato ECR 064/75	Cr \$	315.987.084	30.123	1.985	2.023
Contrato ECF 620/78	Cr \$	1.966.529.979	187.467	1.986	2.023
Contrato ECR 102/78	Cr \$	1.000.000	95	1.988	2.023
Contrato ECF 631/78	Cr \$	984.599.730	93.861	1.986	2.023
Contrato ECR 108/79	Cr \$	1.450.000	138	1.986	2.022
Contrato ECF 675/79	Cr \$	1.035.336.928	98.698	1.986	2.022
Contrato ECR 113/80	Cr \$	2.100.000	200	1.986	2.022
Contrato ECF 759/80	Cr \$	7.617.282	726	1.986	2.022
Contrato ECF 760/80	Cr \$	704.053.375	67.117	1.986	2.022
Contrato ECF 776/81	Cr \$	46.348.300	4.418	1.986	2.022
Contrato ECF 777/81	Cr \$	2.212.877.371	210.951	1.986	2.022
Contrato ECF 831/82	Cr \$	114.932.100	10.956	1.986	2.022
Contrato ECF 832/82	Cr \$	2.110.840.361	201.224	1.986	2.022
Contrato ECF 901/83	Cr \$	237.475.663	22.638	1.986	2.023
Contrato ECF 902/83	Cr \$	2.455.802.645	234.109	1.986	2.023
Contrato ECF 925/83	Cr \$	1.515.794.257	144.499	1.985	2.023
Contrato ECF 957/84	Cr \$	227.875.700	21.723	1.986	2.023
Contrato ECF 958/84	Cr \$	386.287.564	36.824	1.986	2.023
Contrato ECF 978/84	Cr \$	1.574.105.400	150.058	1.985	2.023
Contrato ECR 224/84	Cr \$	1.573.500.000	150.000	1.989	1.993
Contrato ECR 225/84	Cr \$	1.180.125.000	112.500	1.989	1.993
Contrato ECR 226/84	Cr \$	344.604.695	32.851	1.989	1.993
Contrato ECR 227/84	Cr \$	225.390.280	21.486	1.989	1.993
BADESP					
FINESP 033/76	Cr \$	98.863.951	8.948	1.985	1.988
FINESP 034/76	Cr \$	46.693.256	4.451	1.985	1.989
FINESP 040/77	Cr \$	41.562.387	3.962	1.985	1.997
FINESP 050/78	Cr \$	731.791.893	69.761	1.989	1.998
FINEP					
Contrato F159/75	Cr \$	399.907	38	1.985	1.995

CAIXA ECONOMICA CEF					
Contrato 14/3/77	Cr \$	205.000	20	1.985	1.987
Contrato 8/12/77	Cr \$	119.233	11	1.982	1.992
Contrato 13/2/78	Cr \$	295.000	28	1.986	1.988
Contrato 24/8/82	Cr \$	5.000.000	477	1.984	1.990
BNDES					
Contrato 22/12/78	Cr \$	151.969.115	14.487	1.989	1.998
Contrato 4/9/81	Cr \$	4.303.834.630	410.280	1.987	1.997
BRDE					
Contrato 30/11/78	Cr \$	135.393.110	12.907	1.983	1.999
Contrato 27/12/79	Cr \$	817.465	78	1.990	1.999
Contrato 27/12/79	Cr \$	49.461.003	4.715	1.990	1.994
Contrato 17/4/80	Cr \$	41.445.008	3.951	1.985	1.990
Contrato 30/5/80	Cr \$	3.495.065	333	1.990	2.000
Contrato 30/5/80	Cr \$	56.490.936	5.385	1.990	1.995
Contrato 11/11/80	Cr \$	1.765.342	168	1.988	1.990
Contrato 11/11/80	Cr \$	124.926	12	1.991	2.000
Contrato 22/6/83	Cr \$	9.417.151	898	1.988	1.998
BNB					
Contrato 27/11/78	Cr \$	2.110.753.556	201.216	1.989	1.999
Contrato 17/12/80	Cr \$	327.560.130	31.226	1.987	2.001
Contrato 30/6/81	Cr \$	36.090.210	3.440	1.986	1.997
Contrato 10/12/81	Cr \$	38.130.270	3.635	1.986	1.997
Contrato 24/8/82	Cr \$	5.000.000	477	1.984	1.985
Contrato 24/4/83	Cr \$	71.014.085	6.770	1.987	1.997
Contrato 24/4/84	Cr \$	159.270.640	15.183	1.988	1.998
BASA					
Contrato 14/12/78	Cr \$	152.350.434	14.523	1.989	1.999
Contrato 29/10/85	Cr \$	498.289.503	47.501	1.989	1.998
BADEP					
Contrato 28/10/80	Cr \$	65.772.166	6.265	1.986	2.000
Contrato 4/12/80	Cr \$	6.235.628	594	1.989	2.000
J.P. MORGAN INTERFUNDING CORP.					
Contrato 18/5/77	US \$	10.000	10.000	1.984	1.989
DEUTSCHE BANK					
Contrato 17/2/78 2° línea	US \$	14.500	14.500	1.982	1.985
Contrato 19/2/79	DM	309.200	125.788	1.989	1.998
Contrato 19/2/79	DM	100.800	41.007	1.989	1.990

BANCO DO BRASIL Agencia Grand Cayman Contrato 17/10/77	US \$	62.000	62.000	1.981	1.988
Contrato 26/4/79	US \$	100.000	100.000	1.985	1.993
Contrato 5/1/81	US \$	120.000	120.000	1.987	1.995
EUROPEAN BRAZILIAN BANK LTD. INGLATERRA Contrato 15/3/78	US \$	25.000	25.000	1.983	1.985
CITICORP INTERN.BANK LTD. INGLATERRA. Contrato 10/7/78					
Adelanto A	US \$	100.000	100.000	1.984	1.988
Adelanto B	US \$	75.000	75.000	1.984	1.990
DEUTSCHE BANK Cie. FINANCIERE LUXEMBOUR Contrato 5/2/79					
Linea A	US \$	125.000	125.000	1.985	1.989
Linea B	US \$	75.000	75.000	1.985	1.991
Linea C	US \$	50.000	50.000	1.985	1.994
MORGAN GUARANTY Co. of N.Y. INGLATERRA Contrato 17/9/79					
1º línea	US \$	80.000	80.000	1.987	1.991
2º línea	US \$	80.000	80.000	1.987	1.994
Contrato 26/8/81					
1ª línea A	US \$	155.227	155.227	1.985	1.989
1ª línea B	US \$	22.500	22.500	1.986	1.991
2ª línea A	US \$	164.773	164.773	1.985	1.989
2ª línea B	US \$	57.500	57.500	1.986	1.991
Contrato 31/1/84	US \$	10.000	10.000	1.986	1.992
KREDITANSTALT FUR WIEDERAUFBAU RFA Contrato 19/2/79	DM	261.600	106.424	1.989	1.998
BANQUE DE PARIS ET DES PAYS BAS.FRANCIA Contrato 20/2/79	FF	613.474	81.347	1.989	1.998
THE SWISS BANK Co. SUIZA Contrato 22/2/79	Sw F	157.029	75.794	1.990	1.999
Contrato 22/2/79	Sw F	21.181	10.223	1.990	1.993
Contrato 1/7/80	Sw F	199.692	96.386	1.990	1.999
Contrato 1/7/80	Sw F	23.184	11.190	1.990	1.992
Contrato 8/2/82	Sw F	32.730	15.798	1.990	1.999
Contrato 8/2/82	Sw F	570	275	1.990	1.992
Contrato 8/2/82	Sw F	5.407	2.610	1.990	1.999
Contrato 8/2/82	Sw F	3.450	1.665	1.990	1.992
Contrato 9/6/82	Sw F	28.374	13.695	1.990	1.999
Contrato 9/6/82	Sw F	3.007	1.451	1.990	1.992
Contrato 19/7/82	Sw F	35.023	16.905	1.990	1.999
Contrato 19/7/82	Sw F	3.886	1.876	1.990	1.992

SWISS BANK Co.S.A.					
PANAMA					
Contrato 2/7/80					
1° línea	US \$	100.000	100.000	1.988	1.990
2° línea	US \$	100.000	100.000	1.985	1.990
Contrato 17/6/82					
	US \$	20.000	20.000	1.986	1.990
DRESDNER BANK INTERN					
LUXEMBURGO					
Contrato 12/11/80					
	US \$	20.000	20.000	1.984	1.988
Contrato 2/2/83					
	DM	30.000	12.205	1.985	1.991
Contrato 4/12/85					
	US \$	40.000	40.000	1.991	1.995
CITIBANK N.A. EUA.					
Contrato 19/12/80					
	US \$	266.500	266.500	1.984	1.988
Contrato 31/5/84					
Línea A	CAN \$	24.000	17.208	1.986	1.992
Línea B	US \$	69.000	69.000	1.986	1.992
Línea C	US \$	15.000	15.000	1.989	1.993
Contrato 19/2/85					
	US \$	20.000	20.000	1.990	1.994
THE ROYAL BANK OF					
CANADA. CANADA					
Contrato 1/7/81					
	US \$	10.000	10.000	1.985	1.989
AMERICAN EXPRESS					
INT. BANKING Co.					
Contrato 21/7/81					
1° línea	US \$	20.000	20.000	1.985	1.989
2° línea	US \$	10.000	10.000	1.986	1.991
BANK OF AMERICAN NAT					
TRUST&SAVINGS ASSOC					
Contrato 6/11/81					
	US \$	30.000	30.000	1.985	1.989
BANCO REAL S.A.					
INGLATERRA					
Contrato 22/10/81					
	US \$	25.000	25.000	1.985	1.989
BANCO DO BRASIL S.A.					
Contrato 10/3/82					
	Cr \$	5.000.000	477	1.986	1.990
Contrato 29/6/83					
	Cr \$	7.000.000	667	1.987	1.987
FINCANTIERI ITALIA					
Contrato 1/4/82					
	US \$	9.027	9.027	1.986	1.993
LIBRA BANK LTD. INGL					
Contrato 27/4/82					
Línea A	US \$	15.000	15.000	1.986	1.990
Línea B	US \$	10.000	10.000	1.986	1.990
THE FUJI BANK LTD.					
EUA					
Contrato 23/6/82					
	US \$	25.000	25.000	1.986	1.990
BANCO MITSUBISHI					
BRASILEIRO S.A.					
Contrato 26/11/82					
	US \$	10.000	10.000	1.985	1.990
Contrato 5/5/83					
	US \$	10.000	10.000	1.985	1.991
DRESDNER BANK A.G.					
Contrato 2/2/83					
	DM	33.150	13.486	1.989	1.998
Contrato 4/12/85					
	DM	9.000	3.661	1.991	1.995

BANCO ECONOMICO S.A. Contrato 22/6/83	Cr \$	2.208.119	210	1.988	1.998
ROYAL BANK OF CANADA LTD Barbados Contrato 27/6/83	US \$	20.000	20.000	1.986	1.991
BADERN Contrato 2/8/83	Cr \$	3.346.122	319	1.988	1.998
BANK OF MONTREAL Bahamas Contrato 14/2/84	CAN \$	19.065	13.670	1.986	1.992
THE BANK OF TOKIO LTD. EUA. Contrato 28/5/84	US \$	40.000	40.000	1.986	1.992
THE CHASE MANHATTAN BANK N.A. INGLATERRA Contrato 28/9/84	US \$	48.000	48.000	1.989	1.993
Contrato 28/9/84	CAN \$	10.000	7.170	1.989	1.993
Contrato 26/6/85	US \$	119.000	119.000	1.990	1.994
Contrato 26/6/85	Fr B	221.164	4.405	1.990	1.994
BARCLAYS BANK INTER. LTD. INGLATERRA. Contrato 14/11/84	US \$	32.000	32.000	1.989	1.993
BANCO SOGERAL S.A. Contrato 10/12/82	US \$	5.000	5.000	1.985	1.990
Contrato 25/10/85	US \$	416	416	1.986	1.990
BANCO LAR BRASILEÑO Contrato 1/7/83	US \$	12.000	12.000	1.986	1.991
BANCO NACIONAL S.A. Contrato 24/7/85	Cr \$	393.583.248	37.520	1.989	1.998
MORGAN GUARANTY T. Co of NY&EXIM BANK Contrato 15/11/85	US \$	8.500	8.500	1.990	1.994
MORGAN GUARANTY T. Co. de N.Y.&EXIMBANK Contrato 15/11/85	US \$	1.500	1.500	1.990	1.994
BANQ. NMB INTERUNION FRANCIA Contrato 5/12/85	US \$	12.000	12.000	1.991	1.995
SOCIETE GENERALE FRANCLIA Contrato 6/12/85	US \$	10.000	10.000	1.990	1.994
PRESTAMOS GARANTIZADOS POR LA ELETROBRAS.					
CITIBANK N.A. Filial San Pablo Contrato 4/8/77	US \$	22.000	22.000	1.980	1.985
Contrato 23/8/77	US \$	8.000	8.000	1.980	1.985
Filial Asunción Contrato 8/12/77	US \$	30.000	30.000	1.983	1.987

CONTRATOS CON OTRAS GARANTIAS

CITICORP N.A. EUA. Contrato 22/8/79	US \$	30.000	30.000	1.985	1.989
CITIBANK N.A.S.Pablo Contrato 12/2/80	US \$	1.833	1.833	1.982	1.988
Contrato 26/2/80	US \$	667	667	1.982	1.988
Contrato 26/2/81	US \$	2.500	2.500	1.983	1.989
Contrato 8/5/81	US \$	10.000	10.000	1.983	1.989
Contrato 4/6/82	US \$	5.000	5.000	1.984	1.990
Contrato 3/9/85	US \$	2.181	2.181	1.986	1.990
Contrato 12/11/85	US \$	1.333	1.333	1.989	1.991
CITIBANK N.A. Bahamas Contrato 15/9/80	US \$	40.000	40.000	1.984	1.988
BANCO DO COMMERCIO E INDUSTRIA DE S.P.S.A Contrato 24/4/80	US \$	20.000	20.000	1.982	1.988
BANCO NACIONAL S.A. Contrato 13/12/82	US \$	6.000	6.000	1.986	1.990
BANESPA Contrato 23/6/81	US \$	10.000	10.000	1.982	1.988
Contrato 22/7/82	US \$	5.000	5.000	1.985	1.990
LLOYDS BANK INTERN. LTD. INGLATERRA. Contrato 9/7/80	US \$	20.000	20.000	1.985	1.990
Contrato 28/6/82	US \$	10.000	10.000	1.986	1.990
Contrato 22/6/83	US \$	14.000	14.000	1.987	1.991
BANCO DE MONTREAL INVESTIMENTO S.A. Contrato 31/7/80	US \$	10.000	10.000	1.983	1.988
BANCO LAR BRASILEIRO Contrato 6/8/80	US \$	5.000	5.000	1.983	1.988
Contrato 7/11/80	US \$	5.000	5.000	1.983	1.988
Contrato 24/10/85	US \$	1.667	1.667	1.986	1.989
Contrato 7/11/85	US \$	133	133	1.986	1.989
Contrato 7/11/85	US \$	267	267	1.988	1.988
Contrato 2/12/85	US \$	833	833	1.988	1.988
BANCO BAMERINDUS DO BRASIL S.A. Contrato 14/1/81	US \$	5.000	5.000	1.983	1.989
Contrato 5/11/81	US \$	10.000	10.000	1.984	1.989
Contrato 5/11/85	US \$	833	833	1.989	1.989

BANCO DE INVESTIMENT CREDIBANCO S.A. Contrato 13/7/81	US \$	8.000	8.000	1.983	1.989
UNIBANCO BANCO DO INVESTIMENTO DO BRASIL S.A. Contrato 22/7/81	US \$	5.000	5.000	1.984	1.989
BANCO SAFRA S.A. Contrato 14/9/81	US \$	10.000	10.000	1.984	1.989
BANCO REAL S.A. DE INGLATERRA Contrato 8/10/82	US \$	15.000	15.000	1.986	1.990
Contrato 18/1/82	US \$	15.000	15.000	1.986	1.990
BANCO MERCANTIL DE S. PAULO S.A. Contrato 4/8/80	US \$	9.500	9.500	1.983	1.988
BANCO INTERATLANTICO DE INVESTIMENTOS Contrato 28/10/82	US \$	2.000	2.000	1.985	1.990
CITIBANK N.A. EUA Contrato 30/8/82	US \$	20.000	20.000	1.986	1.990
BANCO LATINO AMERIC. DE EXPORTACIONES Panamá Contrato 23/8/82	US \$	2.000	2.000	1.986	1.990
BANCO SOGERAL S.A. Contrato 22/7/82	US \$	5.000	5.000	1.985	1.990
MORGAN GUARANTY T. Co OF N.Y.INGLATERRA Contrato 1/4/83	US \$	3.000	3.000	1.987	1.991
LLOYDS BANK INTERN. LTD. SAO PAULO Contrato 6/10/81	US \$	10.000	10.000	1.984	1.989
Contrato 7/10/85	US \$	833	833	1.986	1.990
CITIBANK Asunción Contrato 1/4/83	US \$	29.600	29.600	1987	1991

ACREEDOR	SIGLA	TOTAL	EQUIVALENTE DOLARES	INICIO	TERMINO
1986		Monedas en miles	Monedas en miles		
PRESTAMOS GARANTIZADOS POR LA REPUBLICA FEDERATIVA DE BRASIL					
ELETROBRAS					
Contrato ECF 392/75	Cz \$	26.568.824	1.783.741	1.985	2.023
Contrato ECR 064/75	Cz \$	576.688	38.717	1.985	2.023
Contrato ECF 620/78	Cz \$	3.588.989	240.953	1.986	2.023
Contrato ECR 102/78	Cz \$	1.000	67	1.988	2.023
Contrato ECF 631/78	Cz \$	1.796.931	120.639	1.986	2.023
Contrato ECR 108/79	Cz \$	1.450	97	1.986	2.022
Contrato ECF 675/79	Cz \$	1.889.528	126.857	1.986	2.022
Contrato ECR 113/80	Cz \$	2.100	141	1.986	2.022
Contrato ECF 759/80	Cz \$	7.617	511	1.986	2.022
Contrato ECF 760/80	Cz \$	1.284.923	86.265	1.986	2.022
Contrato ECF 776/81	Cz \$	46.348	3.111	1.986	2.022
Contrato ECF 777/81	Cz \$	4.038.582	271.137	1.986	2.022
Contrato ECF 831/82	Cz \$	114.932	7.716	1.986	2.022
Contrato ECF 832/82	Cz \$	3.852.361	258.634	1.986	2.022
Contrato ECF 901/83	Cz \$	237.476	15.943	1.986	2.023
Contrato ECF 902/83	Cz \$	4.481.930	300.902	1.986	2.023
Contrato ECF 925/83	Cz \$	2.766.380	185.725	1.985	2.023
Contrato ECF 957/84	Cz \$	227.876	15.298	1.986	2.023
Contrato ECF 958/84	Cz \$	704.989	47.330	1.986	2.023
Contrato ECF 978/84	Cz \$	2.872.800	192.870	1.985	2.023
Contrato ECR 224/84	Cz \$	2.234.250	150.000	1.989	1.993
Contrato ECR 225/84	Cz \$	1.675.687	112.500	1.989	1.993
Contrato ECR 226/84	Cz \$	489.315	32.851	1.989	1.993
Contrato ECR 227/84	Cz \$	320.033	21.486	1.989	1.993
BADESP					
FINESP 033/76	Cz \$	141.211	9.480	1.985	1.988
FINESP 034/76	Cz \$	69.933	4.695	1.985	1.989
FINESP 040/77	Cz \$	62.304	4.183	1.985	1.997
FINESP 050/78	Cz \$	1.101.593	73.957	1.989	1.998
FINEP					
Contrato F159/75	Cz \$	400	27	1.985	1.995

CAIXA ECONOMICA CEF Contrato 14/3/77	Cz \$	205	14	1.985	1.987
Contrato 8/12/77	Cz \$	119	8	1.982	1.992
Contrato 13/2/78	Cz \$	295	20	1.986	1.988
Contrato 24/8/82	Cz \$	5.000	336	1.984	1.990
BNDES Contrato 22/12/78	Cz \$	220.209	14.784	1.989	1.998
Contrato 4/9/81	Cz \$	6.111.121	410.280	1.987	1.997
Contrato 14/12/86	Cz \$	1.223.706	82.155	1.991	1.999
Contrato 14/12/86	Cz \$	1.759	118	1.987	1.988
Contrato 14/12/86	YEN	605.892	3.796	1.987	1.994
BRDE Contrato 30/11/78	Cz \$	201.976	13.560	1.983	1.999
Contrato 27/12/79	Cz \$	817	55	1.990	1.999
Contrato 27/12/79	Cz \$	74.511	5.002	1.990	1.994
Contrato 17/4/80	Cz \$	62.275	4.181	1.985	1.990
Contrato 30/5/80	Cz \$	3.495	235	1.990	2.000
Contrato 30/5/80	Cz \$	85.120	5.715	1.990	1.995
Contrato 11/11/80	Cz \$	2.660	179	1.988	1.990
Contrato 11/11/80	Cz \$	125	8	1.991	2.000
Contrato 22/6/83	Cz \$	9.147	614	1.988	1.998
Contrato 25/11/86	Cz \$	354.636	23.809	1.990	1.998
BNB Contrato 27/11/78	Cz \$	3.170.754	212.874	1.989	1.999
Contrato 17/12/80	Cz \$	482.973	32.425	1.987	2.001
Contrato 30/6/81	Cz \$	51.671	3.469	1.986	1.997
Contrato 10/12/81	Cz \$	56.381	3.785	1.986	1.997
Contrato 24/4/83	Cz \$	103.087	6.921	1.987	1.997
Contrato 24/4/84	Cz \$	159.271	10.693	1.988	1.998
BASA Contrato 14/12/78	Cz \$	224.988	15.104	1.989	1.999
Contrato 29/10/85	Cz \$	750.818	50.407	1.989	1.998
BADEP Contrato 28/10/80	Cz \$	97.930	6.575	1.986	2.000
Contrato 4/12/80	Cz \$	9.277	623	1.989	2.000
J.P. MORGAN INTERFUNDING CORP. Contrato 18/5/77	US \$	10.000	10.000	1.984	1.989
DEUTSCHE BANK Contrato 19/2/79	DM	309.200	159.127	1.989	1.998
Contrato 19/2/79	DM	100.800	51.875	1.989	1.990

BANCO DO BRASIL					
Agencia Grand Cayman					
Contrato 17/10/77	US \$	62.000	62.000	1.981	1.988
Contrato 26/4/79	US \$	100.000	100.000	1.985	1.993
Contrato 5/1/81	US \$	120.000	120.000	1.987	1.995
CITIBANK N.A. EUA					
Contrato 10/7/78					
Adelanto A	US \$	100.000	100.000	1.984	1.988
Adelanto B	US \$	75.000	75.000	1.984	1.990
DEUTSCHE BANK Cie.					
FINANCIERE LUXEMBOUR					
Contrato 5/2/79					
Linea A	US \$	125.000	125.000	1.985	1.989
Linea B	US \$	75.000	75.000	1.985	1.991
Linea C	US \$	50.000	50.000	1.985	1.994
MORGAN GUARANTY Co.					
of N.Y. INGLATERRA					
Contrato 17/9/79					
1° línea	US \$	80.000	80.000	1.987	1.991
2° línea	US \$	80.000	80.000	1.987	1.994
Contrato 26/8/81					
1ª línea A	US \$	155.227	155.227	1.985	1.989
1ª línea B	US \$	22.500	22.500	1.986	1.991
2ª línea A	US \$	164.773	164.773	1.985	1.989
2ª línea B	US \$	57.500	57.500	1.986	1.991
Contrato 31/1/84	US \$	10.000	10.000	1.986	1.992
KREDITANSTALT FUR					
WIEDERAUFBAU RFA					
Contrato 19/2/79	DM	261.600	134.630	1.989	1.998
BANQUE DE PARIS ET					
DES PAYS BAS.FRANCIA					
Contrato 20/2/79	FF	613.474	95.405	1.989	1.998
THE SWISS BANK Co.					
SUIZA					
Contrato 22/2/79	Sw F	157.029	96.770	1.990	1.999
Contrato 22/2/79	Sw F	21.181	13.053	1.990	1.993
Contrato 1/7/80	Sw F	199.692	123.061	1.990	1.999
Contrato 1/7/80	Sw F	23.184	14.287	1.990	1.992
Contrato 8/2/82	Sw F	32.730	20.170	1.990	1.999
Contrato 8/2/82	Sw F	570	351	1.990	1.992
Contrato 8/2/82	Sw F	5.407	3.332	1.990	1.999
Contrato 8/2/82	Sw F	3.450	2.126	1.990	1.992
Contrato 9/6/82	Sw F	28.374	17.486	1.990	1.999
Contrato 9/6/82	Sw F	3.007	1.853	1.990	1.992
Contrato 19/7/82	Sw F	35.023	21.583	1.990	1.999
Contrato 19/7/82	Sw F	3.886	2.395	1.990	1.992
SWISS BANK Co.S.A.					
PANAMA					
Contrato 2/7/80					
1° línea	US \$	100.000	100.000	1.988	1.990
2ª línea	US \$	100.000	100.000	1.985	1.990
Contrato 17/6/82	US \$	20.000	20.000	1.986	1.990

DRESDNER BANK INTERN LUXEMBURGO Contrato 12/11/80	US \$	20.000	20.000	1.984	1.988
Contrato 2/2/83	DM	30.000	15.439	1.985	1.991
Contrato 4/12/85	US \$	40.000	40.000	1.991	1.995
CITIBANK N.A. EUA. Contrato 19/12/80	US \$	266.500	266.500	1.984	1.988
Contrato 31/5/84	CAN \$	24.000	17.407	1.986	1.992
Línea A	US \$	59.000	59.000	1.986	1.992
Línea A	Sw F	23.227	14.314	1.986	1.992
Línea C	US \$	15.000	15.000	1.989	1.993
Contrato 19/2/85	US \$	20.000	20.000	1.990	1.994
THE ROYAL BANK OF CANADA. CANADA Contrato 1/7/81	US \$	10.000	10.000	1.985	1.989
AMERICAN EXPRESS INT. BANKING Co. Contrato 21/7/81					
1ª línea	US \$	20.000	20.000	1.985	1.989
2ª línea	US \$	10.000	10.000	1.986	1.991
BANK OF AMERICAN NAT TRUST&SAVINGS ASSOC Contrato 6/11/81	US \$	30.000	30.000	1.985	1.989
BANCO REAL S.A. INGLATERRA Contrato 22/10/81	US \$	25.000	25.000	1.985	1.989
BANCO DO BRASIL S.A. Contrato 10/3/82	Cz \$	5.000	336	1.986	1.990
Contrato 29/6/83	Cz \$	7.000	470	1.987	1.987
FINCANTIERI ITALIA Contrato 1/4/82	US \$	9.027	9.027	1.986	1.993
LIBRA BANK LTD. INGL Contrato 27/4/82					
Línea A	US \$	15.000	15.000	1.986	1.990
Línea B	US \$	10.000	10.000	1.986	1.990
THE FUJI BANK LTD. EUA Contrato 23/6/82	US \$	25.000	25.000	1.986	1.990
BANCO MITSUBISHI BRASILEIRO S.A. Contrato 26/11/82	US \$	10.000	10.000	1.985	1.990
Contrato 5/5/83	US \$	10.000	10.000	1.985	1.991
Adelanto	US \$	833	833		
DRESDNER BANK A.G. Contrato 2/2/83	DM	33.150	17.060	1.989	1.998
Contrato 4/12/85	DM	9.000	4.632	1.991	1.995
BANCO ECONOMICO S.A. Contrato 22/6/83	Cz \$	2.028	136	1.988	1.998
ROYA^r BANK OF CANADA LTD Barbados Contrato 27/6/83	US \$	20.000	20.000	1.986	1.991

BADERN Contrato 2/8/83	Cz \$	3.346	225	1.988	1.998
BANK OF MONTREAL Bahamas Contrato 14/2/84	CAN \$	19.065	13.827	1.986	1.992
THE BANK OF TOKIO LTD. EUA. Contrato 28/5/84	US \$	40.000	40.000	1.986	1.992
THE CHASE MANHATTAN BANK N.A. INGLATERRA Contrato 28/9/84	US \$	48.000	48.000	1.989	1.993
Contrato 28/9/84	CAN \$	10.000	7.253	1.989	1.993
Contrato 26/6/85	US \$	119.000	119.000	1.990	1.994
Contrato 26/6/85	Fr B	221.164	5.472	1.990	1.994
BARCLAYS BANK INTER. LTD. INGLATERRA. Contrato 14/11/84	US \$	32.000	32.000	1.989	1.993
BANCO SOGERAL S.A. Contrato 10/12/82	US \$	5.000	5.000	1.985	1.990
Contrato 25/10/85	US \$	416	416	1.986	1.990
BANCO NACIONAL S.A. Contrato 24/7/85	Cz \$	393.583	26.424	1.989	1.998
MORGAN GUARANTY T. Co of NY&EXIM BANK Contrato 15/11/85	US \$	8.500	8.500	1.990	1.994
MORGAN GUARANTY T. Co of NY. EUA Contrato 15/11/85	US \$	1.500	1.500	1.990	1.994
BANQ. NMB INTERUNION FRANCIA Contrato 5/12/85	US \$	12.000	12.000	1.991	1.995
SOCIETE GENERALE FRANCIA Contrato 6/12/85	US \$	10.000	10.000	1.990	1.994
ELECTROCONSULT Sp A Contrato 10/3/86	US \$	8.500	8.500	1.990	1.995
Contrato 10/3/86	US \$	2.000	2.000	1.990	1.991
CHASE MANHATTAN S.A. Contrato 1/7/83	US \$	12.000	12.000	1.986	1.991
PRESTAMOS GARANTIZADOS POR LA ELETROBRAS.					
CITIBANK N.A. Filial Asunción Contrato 8/12/77	US \$	30.000	30.000	1.983	1.987

CONTRATOS CON OTRAS GARANTIAS

CITIBANK N.A. EUA. Contrato 22/8/79	US \$	30.000	30.000	1.985	1.989
CITIBANK N.A.S.Pablo Contrato 12/2/80	US \$	1.833	1.833	1.982	1.988
Contrato 26/2/80	US \$	667	667	1.982	1.988
Contrato 26/2/81	US \$	2.500	2.500	1.983	1.989
Contrato 8/5/81	US \$	10.000	10.000	1.983	1.989
Contrato 4/6/82	US \$	5.000	5.000	1.984	1.990
Contrato 3/9/85	US \$	2.181	2.181	1.986	1.990
Contrato 12/11/85	US \$	1.333	1.333	1.989	1.991
Contrato 22/4/86	US \$	187	187	1.987	1.988
Contrato 8/5/86	US \$	833	833	1.987	1.987
Contrato 9/6/86	US \$	417	417	1.987	1.989
Contrato 3/9/86	US \$	27	27	1.988	1.988
Contrato 3/9/86	US \$	28	28	1.987	1.987
Contrato 4/9/86	US \$	208	208	1.990	1.990
CITIBANK N.A. Bahamas Contrato 15/9/80	US \$	40.000	40.000	1.984	1.988
BANCO DO COMMERCIO E INDUSTRIA DE S.P.S.A Contrato 24/4/80	US \$	20.000	20.000	1.982	1.988
BANCO NACIONAL S.A. Contrato 13/12/82	US \$	6.000	6.000	1.986	1.990
BANESPA Contrato 23/6/81	US \$	10.000	10.000	1.982	1.988
Contrato 22/7/82	US \$	5.000	5.000	1.985	1.990
LLOYDS BANK INTERN. LTD. INGLATERRA. Contrato 9/7/80	US \$	20.000	20.000	1.985	1.990
Contrato 28/6/82	US \$	10.000	10.000	1.986	1.990
Contrato 22/6/83	US \$	14.000	14.000	1.987	1.991
BANCO DE MONTREAL INVESTIMENTO S.A. Contrato 31/7/80	US \$	10.000	10.000	1.983	1.988
BANCO BAMERINDUS DO BRASIL S.A. Contrato 14/1/81	US \$	5.000	5.000	1.983	1.989
Contrato 5/11/81	US \$	10.000	10.000	1.984	1.989
Contrato 5/11/85	US \$	833	833	1.989	1.989
Adelanto	US \$	4.165	4.165		

BANCO DE INVESTIMENT CREDIBANCO S.A. Contrato 13/7/81	US \$	8.000	8.000	1.983	1.989
UNIBANCO BANCO DO INVESTIMENTO DO BRASIL S.A. Contrato 22/7/81	US \$	5.000	5.000	1.984	1.989
BANCO SAFRA S.A. Contrato 14/9/81	US \$	10.000	10.000	1.984	1.989
BANCO REAL S.A. DE INGLATERRA Contrato 8/10/82	US \$	15.000	15.000	1.986	1.990
Contrato 18/1/82	US \$	15.000	15.000	1.986	1.990
BANCO MERCANTIL DE S.PAULO S.A. Contrato 4/8/80	US \$	9.500	9.500	1.983	1.988
BANCO INTERATLANTICO DE INVESTIMENTOS Contrato 28/10/82	US \$	2.000	2.000	1.985	1.990
CITIBANK N.A. EUA Contrato 30/8/82	US \$	20.000	20.000	1.986	1.990
BANCO LATINO AMERIC. DE EXPORTACIONES Panamá Contrato 23/8/82	US \$	2.000	2.000	1.986	1.990
BANCO SOGERAL S.A. Contrato 22/7/82	US \$	5.000	5.000	1.985	1.990
MORGAN GUARANTY T. Co OF N.Y.INGLATERRA Contrato 1/4/83	US \$	3.000	3.000	1.987	1.991
LLOYDS BANK INTERN. LTD. SAO PAULO Contrato 6/10/81	US \$	10.000	10.000	1.984	1.989
Contrato 7/10/85	US \$	833	833	1.986	1.990
Contrato 17/6/86	US \$	2.849	2.849	1.987	1.992
Contrato 8/7/86	US \$	3.105	3.105	1.987	1.988
Contrato 11/8/86	US \$	412	412	1.987	1.990
Adelanto	US \$	4.550	4.550		
CHASE MANHATTAN S.A. Contrato 6/8/80	US \$	5.000	5.000	1.983	1.988
Contrato 7/11/80	US \$	5.000	5.000	1.983	1.988
Contrato 24/10/85	US \$	1.667	1.667	1.986	1.989
Contrato 24/10/85	US \$	264	264	1.987	1.989
Contrato 7/11/85	US \$	133	133	1.986	1.989
Contrato 7/11/85	US \$	267	267	1.988	1.988
Contrato 2/12/85	US \$	833	833	1.988	1.988
CITIBANK Asunción Contrato 1/4/83	US \$	29.600	29.600	1.987	1.991

ACREEDOR	SIGLA	TOTAL	EQUIVALENTE DOLARES	INICIO	TERMINO
1987		Monedas en miles	Monedas en miles		
PRESTAMOS GARANTIZADOS POR LA REPUBLICA FEDERATIVA DE BRASIL					
ELETRORBRAS					
Contrato ECF 392/75	Cz \$	130.594.263	1.821.068	1.985	2.023
Contrato ECR 064/75	Cz \$	2.834.605	39.527	1.985	2.023
Contrato ECF 620/78	Cz \$	17.641.028	245.995	1.986	2.023
Contrato ECR 102/78	Cz \$	1.000	14	1.988	2.023
Contrato ECF 631/78	Cz \$	8.832.487	123.164	1.986	2.023
Contrato ECR 108/79	Cz \$	1.450	20	1.986	2.022
Contrato ECF 675/79	Cz \$	9.287.633	129.511	1.986	2.022
Contrato ECR 113/80	Cz \$	2.100	29	1.986	2.022
Contrato ECF 759/80	Cz \$	7.617	106	1.986	2.022
Contrato ECF 760/80	Cz \$	6.315.808	88.071	1.986	2.022
Contrato ECF 776/81	Cz \$	46.348	646	1.986	2.022
Contrato ECF 777/81	Cz \$	19.850.922	276.811	1.986	2.022
Contrato ECF 831/82	Cz \$	114.932	1.603	1.986	2.022
Contrato ECF 832/82	Cz \$	18.935.585	264.047	1.986	2.022
Contrato ECF 901/83	Cz \$	237.476	3.311	1.986	2.023
Contrato ECF 902/83	Cz \$	22.030.117	307.198	1.986	2.023
Contrato ECF 925/83	Cz \$	13.597.641	189.612	1.985	2.023
Contrato ECF 957/84	Cz \$	227.876	3.178	1.986	2.023
Contrato ECF 958/84	Cz \$	3.465.245	48.321	1.986	2.023
Contrato ECF 978/84	Cz \$	14.120.730	196.906	1.985	2.023
Contrato ECR 224/84	Cz \$	10.756.950	150.000	1.989	1.993
Contrato ECR 225/84	Cz \$	8.067.713	112.500	1.989	1.993
Contrato ECR 226/84	Cz \$	2.355.844	32.581	1.989	1.993
Contrato ECR 227/84	Cz \$	1.540.825	21.486	1.989	1.993
BADESP					
FINESP 033/76	Cz \$	692.389	9.655	1.985	1.988
FINESP 034/76	Cz \$	340.467	4.748	1.985	1.989
FINESP 040/77	Cz \$	303.763	4.235	1.985	1.997
FINESP 050/78	Cz \$	5.406.463	75.390	1.989	1.998
FINEP					
Contrato F159/75	Cz \$	400	6	1.985	1.995

CAIXA ECONOMICA CEF					
Contrato 14/3/77	Cz \$	205	3	1.985	1.987
Contrato 8/12/77	Cz \$	119	2	1.982	1.992
Contrato 13/2/78	Cz \$	295	4	1.986	1.988
Contrato 24/8/82	Cz \$	5.000	70	1.984	1.990
BNDES					
Contrato 22/12/78	Cz \$	1.014.590	14.148	1.989	1.998
Contrato 4/9/81	Cz \$	29.422.410	410.280	1.987	1.997
Contrato 14/12/86	Cz \$	2.694.866	37.578	1.991	1.999
Contrato 14/12/86	Cz \$	352.968	4.922	1.987	1.994
Contrato 14/12/86	Cz \$	8.646	121	1.988	1.991
Contrato 10/12/87	Cz \$	1.801.042	25.115	1.991	1.999
BRDE					
Contrato 30/11/78	Cz \$	977.068	13.625	1.983	1.999
Contrato 27/12/79	Cz \$	817	11	1.990	1.999
Contrato 27/12/79	Cz \$	366.124	5.105	1.990	1.994
Contrato 17/4/80	Cz \$	304.755	4.250	1.985	1.990
Contrato 30/5/80	Cz \$	3.495	49	1.990	2.000
Contrato 30/5/80	Cz \$	418.392	5.834	1.990	1.995
Contrato 11/11/80	Cz \$	13.075	182	1.988	1.990
Contrato 11/11/80	Cz \$	125	2	1.991	2.000
Contrato 22/6/83	Cz \$	9.147	131	1.988	1.998
Contrato 25/11/86	Cz \$	400.171	5.580	1.990	1.998
Contrato 10/12/87	Cz \$	1.164.189	16.234	1.991	1.999
BNB					
Contrato 27/11/78	Cz \$	15.510.254	216.282	1.989	1.999
Contrato 17/12/80	Cz \$	2.290.874	31.945	1.987	2.001
Contrato 30/6/81	Cz \$	233.054	3.250	1.986	1.997
Contrato 10/12/81	Cz \$	268.842	3.749	1.986	1.997
Contrato 24/4/83	Cz \$	476.452	6.644	1.987	1.997
Contrato 24/4/84	Cz \$	159.271	2.221	1.988	1.998
Contrato 10/12/87	Cz \$	1.449.690	20.215	1.989	1.998
BASA					
Contrato 14/12/78	Cz \$	1.070.559	14.928	1.989	1.999
Contrato 29/10/85	Cz \$	3.690.510	51.462	1.989	1.998
BADEP					
Contrato 28/10/80	Cz \$	472.861	6.594	1.986	2.000
Contrato 4/12/80	Cz \$	44.687	623	1.989	2.000
J. P. MORGAN INTERFUNDING CORP.					
Contrato 18/5/77	US \$	10.000	10.000	1.984	1.989

DEUTSCHE BANK Contrato 19/2/79	DM	309.200	194.369	1.989	1.998
Contrato 19/2/79	DM	100.800	63.365	1.989	1.990
BANCO DO BRASIL Agencia Grand Cayman Contrato 17/10/77	US \$	62.000	62.000	1.981	1.988
Contrato 26/4/79	US \$	100.000	100.000	1.985	1.993
Contrato 5/1/81	US \$	120.000	120.000	1.987	1.995
CITIBANK N. A. INGLATERRA Contrato 10/7/78					
Adelanto A	US \$	100.000	100.000	1.984	1.988
Adelanto B	US \$	75.000	75.000	1.984	1.990
DEUTSCHE BANK Cie. FINANCIERE LUXEMBOUR Contrato 5/2/79					
Linea A	US \$	125.000	125.000	1.985	1.989
Linea B	US \$	75.000	75.000	1.985	1.991
Linea C	US \$	50.000	50.000	1.985	1.994
MORGAN GUARANTY Co. of N.Y.INGLATERRA Contrato 17/9/79					
1° línea	US \$	80.000	80.000	1.987	1.991
2° línea	US \$	80.000	80.000	1.987	1.994
Contrato 26/8/81					
1ª línea A	US \$	155.227	155.227	1.985	1.989
1ª línea B	US \$	22.500	22.500	1.986	1.991
2ª línea A	US \$	164.773	164.773	1.985	1.989
2ª línea B	US \$	57.500	57.500	1.986	1.991
Contrato 31/1/84	US \$	10.000	10.000	1.986	1.992
KREDITANSTALT FUR WIEDERAUFBAU RFA Contrato 19/2/79	DM	261.600	164.447	1.989	1.998
BANQUE DE PARIS ET DES PAYS BAS.FRANCIA Contrato 20/2/79	FF	613.474	113.844	1.989	1.998
THE SWISS BANK Co. SUIZA Contrato 22/2/79	Sw F	157.029	122.163	1.990	1.999
Contrato 22/2/79	Sw F	21.181	16.478	1.990	1.993
Contrato 1/7/80	Sw F	199.692	155.353	1.990	1.999
Contrato 1/7/80	Sw F	23.184	18.036	1.990	1.992
Contrato 8/2/82	Sw F	32.730	25.463	1.990	1.999
Contrato 8/2/82	Sw F	570	443	1.990	1.992
Contrato 8/2/82	Sw F	5.407	4.206	1.990	1.999
Contrato 8/2/82	Sw F	3.450	2.684	1.990	1.992
Contrato 9/6/82	Sw F	28.374	22.074	1.990	1.999
Contrato 9/6/82	Sw F	3.007	2.339	1.990	1.992
Contrato 19/7/82	Sw F	35.023	27.247	1.990	1.999
Contrato 19/7/82	Sw F	3.886	3.023	1.990	1.992

SWISS BANK Co.S.A.					
PANAMA					
Contrato 2/7/80					
1° línea	US \$	100.000	100.000	1.988	1.990
2° línea	US \$	100.000	100.000	1.985	1.990
Contrato 17/6/82					
	US \$	20.000	20.000	1.986	1.990
DRESDNER BANK INTERN					
Luxemburgo.					
Contrato 12/11/80					
	US \$	20.000	20.000	1.984	1.988
Contrato 2/2/83					
	DM	30.000	11.099	1.985	1.991
Contrato 4/12/85					
	US \$	40.000	40.000	1.991	1.995
CITIBANK N.A. EUA.					
Contrato 19/12/80					
	US \$	266.500	266.500	1.984	1.988
Contrato 31/5/84					
Línea A	CAN \$	24.000	17.407	1.986	1.992
Línea A	US \$	59.000	59.000	1.986	1.992
Línea A	Sw F	23.227	18.070	1.986	1.992
Línea C	US \$	15.000	15.000	1.989	1.993
Contrato 19/2/85					
	US \$	20.000	20.000	1.990	1.994
THE ROYAL BANK OF					
CANADA. CANADA					
Contrato 1/7/81					
	US \$	10.000	10.000	1.985	1.989
AMERICAN EXPRESS					
INT. BANKING Co.					
Contrato 21/7/81					
1° línea	US \$	20.000	20.000	1.985	1.989
2° línea	US \$	10.000	10.000	1.986	1.991
BANK OF AMERICAN NAT					
TRUST&SAVINGS ASSOC					
Contrato 6/11/81					
	US \$	30.000	30.000	1.985	1.989
BANCO REAL S.A.					
INGLATERRA					
Contrato 22/10/81					
	US \$	25.000	25.000	1.985	1.989
BANCO DO BRASIL S.A.					
Contrato 10/3/82					
	Cz \$	5.000	70	1.986	1.990
Contrato 29/6/83					
	Cz \$	7.000	98	1.987	1.987
Contrato 12/6/87					
	US \$	29.000	29.000	1.992	1.997
FINCANTIERI ITALIA					
Contrato 1/4/82					
	US \$	9.027	9.027	1.986	1.993
LIBRA BANK LTD. INGL					
Contrato 27/4/82					
Línea A	US \$	15.000	15.000	1.986	1.990
Línea B	US \$	10.000	10.000	1.986	1.990
THE FUJI BANK LTD.					
EUA					
Contrato 23/6/82					
	US \$	25.000	25.000	1.986	1.990
BANCO MITSUBISHI					
BRASILEIRO S.A.					
Contrato 26/11/82					
	US \$	10.000	10.000	1.985	1.990
Contrato 5/5/83					
	US \$	10.000	10.000	1.985	1.991
Contrato 2/6/86					
	US \$	833	833	1.988	1.988

DRESDNER BANK A.G. Contrato 2/2/83	DM	33.150	20.839	1.989	1.998
Contrato 4/12/85	DM	9.000	5.658	1.991	1.995
BANCO ECONOMICO S.A. Contrato 22/6/83	Cz \$	2.028	31	1.988	1.998
ROYAL BANK OF CANADA LTD Barbados Contrato 27/6/83	US \$	20.000	20.000	1.986	1.991
BADERN Contrato 2/8/83	Cz \$	3.346	47	1.988	1.998
BANK OF MONTREAL Bahamas Contrato 14/2/84	CAN \$	19.065	14.664	1.986	1.992
THE BANK OF TOKIO LTD. EUA. Contrato 28/5/84	US \$	40.000	40.000	1.986	1.992
THE CHASE MANHATTAN BANK N.A.INGLATERRA Contrato 28/9/84	US \$	48.000	48.000	1.989	1.993
Contrato 28/9/84	CAN \$	10.000	7.692	1.989	1.993
Contrato 26/6/85	US \$	119.000	119.000	1.990	1.994
Contrato 26/6/85	Fr B	221.164	6.617	1.990	1.994
BARCLAYS BANK INTER. LTD. INGLATERRA. Contrato 14/11/84	US \$	32.000	32.000	1.989	1.993
BANCO SOGERAL S.A. Contrato 10/12/82	US \$	5.000	5.000	1.985	1.990
Contrato 25/10/85	US \$	416	416	1.986	1.990
Contrato 25/4/86	US \$	458	458	1.986	1.990
BANCO NACIONAL S.A. Contrato 24/7/85	Cz \$	393.583	5.488	1.989	1.998
MORGAN GUARANTY T. Co of NY&EXIM BANK Contrato 15/11/85	US \$	8.500	8.500	1.990	1.994
MORGAN GUARANTY T. Co of NY. EUA Contrato 15/11/85	US \$	1.500	1.500	1.990	1.994
BANQ. NMB INTERUNION FRANCIA Contrato 5/12/85	US \$	12.000	12.000	1.991	1.995
SOCIETE GENERALE FRANCIA Contrato 6/12/85	US \$	10.000	10.000	1.990	1.994
ELECTROCONSULT Sp A Contrato 10/3/86	US \$	8.500	8.500	1.990	1.995
Contrato 10/3/86	US \$	2.000	2.000	1.990	1.991
CHASE MANHATTAN S.A. Contrato 1/7/83	US \$	12.000	12.000	1.986	1.991

UNION BANK SWITZERL. SUIZA Contrato 19/8/87	Sw F	25.000	19.449	1.992	1.994
EUROPEAN BRAZILIAN BANK EUROBRAZ. Contrato 17/8/87	US \$	15.000	15.000	1.992	1.994
PRESTAMOS GARANTIZADOS POR LA ELETROBRAS.					
CITIBANK N.A. Filial Asunción Contrato 8/12/77	US \$	30.000	30.000	1.983	1.987
CONTRATOS CON OTRAS GARANTIAS					
CITIBANK N.A. EUA. Contrato 22/8/79	US \$	30.000	30.000	1.985	1.989
CITIBANK N.A.S. Pablo Contrato 12/2/80	US \$	1.833	1.833	1.982	1.988
Contrato 26/2/80	US \$	667	667	1.982	1.988
Contrato 26/2/81	US \$	2.500	2.500	1.983	1.989
Contrato 8/5/81	US \$	10.000	10.000	1.983	1.989
Contrato 4/6/82	US \$	5.000	5.000	1.984	1.990
Contrato 3/9/85	US \$	2.181	2.181	1.986	1.990
Contrato 12/11/85	US \$	1.333	1.333	1.989	1.991
Contrato 22/4/86	US \$	187	187	1.987	1.988
Contrato 8/5/86	US \$	833	833	1.987	1.987
Contrato 9/6/86	US \$	417	417	1.987	1.989
Contrato 3/9/86	US \$	28	28	1.988	1.988
Contrato 3/9/86	US \$	28	28	1.987	1.987
Contrato 4/9/86	US \$	208	208	1.990	1.990
CITIBANK N.A. Bahamas Contrato 15/9/80	US \$	40.000	40.000	1.984	1.988
BANCO DO COMMERCIO E INDUSTRIA DE S.P.S.A Contrato 24/4/80	US \$	20.000	20.000	1.982	1.988
BANCO NACIONAL S.A. Contrato 13/12/82	US \$	6.000	6.000	1.986	1.990
BANESPA Contrato 23/6/81	US \$	10.000	10.000	1.982	1.988
Contrato 22/7/82	US \$	5.000	5.000	1.985	1.990

LLOYDS BANK INTERN. LTD. INGLATERRA. Contrato 9/7/80	US \$	20.000	20.000	1.985	1.990
Contrato 28/6/82	US \$	10.000	10.000	1.986	1.990
Contrato 22/6/83	US \$	14.000	14.000	1.987	1.991
BANCO DE MONTREAL INVESTIMENTO S.A. Contrato 31/7/80	US \$	10.000	10.000	1.983	1.988
Contrato 2/2/87	US \$	750	750	1.990	1.994
BANCO BAMERINDUS DO BRASIL S.A. Contrato 14/1/81	US \$	5.000	5.000	1.983	1.989
Contrato 5/11/81	US \$	10.000	10.000	1.984	1.989
Contrato 5/11/85	US \$	833	833	1.989	1.989
Contrato 5/11/86	US \$	4.165	4.165	1.987	1.989
BANCO DE INVESTIMENT CREDIBANCO S.A. Contrato 13/7/81	US \$	8.000	8.000	1.983	1.989
UNIBANCO BANCO DO INVESTIMENTO DO BRASIL S.A. Contrato 22/7/81	US \$	5.000	5.000	1.984	1.989
BANCO SAFRA S.A. Contrato 14/9/81	US \$	10.000	10.000	1.984	1.989
BANCO REAL S.A. DE INGLATERRA Contrato 8/10/82	US \$	15.000	15.000	1.986	1.990
Contrato 18/1/82	US \$	15.000	15.000	1.986	1.990
BANCO MERCANTIL DE S.PAULO S.A. Contrato 4/8/80	US \$	9.500	9.500	1.983	1.988
BANCO INTERATLANTICO DE INVESTIMENTOS Contrato 28/10/82	US \$	2.000	2.000	1.985	1.990
CITIBANK N.A. EUA Contrato 30/8/82	US \$	20.000	20.000	1.986	1.990
BANCO LATINO AMERIC. DE EXPORTACIONES Panamá Contrato 23/8/82	US \$	2.000	2.000	1.986	1.990
BANCO SOGERAL S.A. Contrato 22/7/82	US \$	5.000	5.000	1.985	1.990
Contrato 13/7/87	US \$	374	374	1.992	1.994
MORGAN GUARANTY T. Co OF N.Y.INGLATERRA Contrato 1/4/83	US \$	3.000	3.000	1.987	1.991

LLOYDS BANK INTERN. LTD. SAO PAULO					
Contrato 6/10/81	US \$	10.000	10.000	1.984	1.989
Contrato 7/10/85	US \$	833	833	1.986	1.990
Contrato 17/6/86	US \$	2.849	2.849	1.987	1.992
Contrato 8/7/86	US \$	3.105	3.105	1.987	1.988
Contrato 11/8/86	US \$	412	412	1.987	1.990
Contrato 1/10/86	US \$	1.667	1.667	1.987	1.987
Contrato 17/11/86	US \$	2.883	2.883	1.988	1.988
Contrato 12/6/87	US \$	2.497	2.497	1.988	1.988
Contrato 17/6/87	US \$	225	225	1.988	1.988
Contrato 17/8/87	US \$	3.052	3.052	1.987	1.991
Contrato 20/8/87	US \$	2.004	2.004	1.988	1.989
CHASE MANHATTAN S.A.					
Contrato 6/8/80	US \$	5.000	5.000	1.983	1.988
Contrato 7/11/80	US \$	5.000	5.000	1.983	1.988
Contrato 24/10/85	US \$	1.667	1.667	1.986	1.989
Contrato 24/10/85	US \$	264	264	1.987	1.989
Contrato 7/11/85	US \$	133	133	1.986	1.989
Contrato 7/11/85	US \$	267	267	1.988	1.988
Contrato 2/12/85	US \$	833	833	1.988	1.988
CITIBANK Asunción					
Contrato 1/4/83	US \$	29.600	29.600	1.987	1.991

ACREEDOR	SIGLA	TOTAL	EQUIVALENTE DOLARES	INICIO	TERMINO
1988		Monedas en miles	Monedas en miles		
PRESTAMOS GARANTIZADOS POR LA REPUBLICA FEDERATIVA DE BRASIL					
ELETRORBRAS					
Contrato ECF 392/75	Cz \$	1.293.334.932	1.709.516	1.985	2.023
Contrato ECR 064/75	Cz \$	28.072.402	37.105	1.985	2.023
Contrato ECF 620/78	Cz \$	174.707.205	230.926	1.986	2.023
Contrato ECR 102/78	Cz \$	1.000	1	1.988	2.023
Contrato ECF 631/78	Cz \$	87.472.181	115.619	1.986	2.023
Contrato ECR 108/79	Cz \$	1.450	2	1.986	2.022
Contrato ECF 675/79	Cz \$	91.979.691	121.577	1.986	2.022
Contrato ECR 113/80	Cz \$	2.100	3	1.986	2.022
Contrato ECF 759/80	Cz \$	7.617	10	1.986	2.022
Contrato ECF 760/80	Cz \$	62.548.346	82.675	1.986	2.022
Contrato ECF 776/81	Cz \$	46.348	61	1.986	2.022
Contrato ECF 777/81	Cz \$	196.592.793	259.854	1.986	2.022
Contrato ECF 831/82	Cz \$	114.932	151	1.986	2.022
Contrato ECF 832/82	Cz \$	187.527.790	247.872	1.986	2.022
Contrato ECF 901/83	Cz \$	237.476	313	1.986	2.023
Contrato ECF 902/83	Cz \$	218.174.359	288.380	1.986	2.023
Contrato ECF 925/83	Cz \$	134.663.687	177.997	1.985	2.023
Contrato ECF 957/84	Cz \$	227.876	301	1.986	2.023
Contrato ECF 958/84	Cz \$	34.317.921	45.361	1.986	2.023
Contrato ECF 978/84	Cz \$	139.844.070	181.844	1.985	2.023
Contrato ECR 224/84	Cz \$	113.482.500	150.000	1.989	1.993
Contrato ECR 225/84	Cz \$	85.111.875	112.500	1.989	1.993
Contrato ECR 226/84	Cz \$	24.853.258	32.850	1.989	1.993
Contrato ECR 227/84	Cz \$	16.255.387	21.486	1.989	1.993
BADESP					
FINESP 033/76	Cz \$	6.339.112	8.379	1.985	1.988
FINESP 034/76	Cz \$	3.112.044	4.113	1.985	1.989
FINESP 040/77	Cz \$	2.777.475	3.671	1.985	1.997
FINESP 050/78	Cz \$	49.509.185	65.440	1.989	1.998
CAIXA ECONOMICA CEF					
Contrato 8/12/77	Cz \$	119		1.982	1.992
Contrato 13/2/78	Cz \$	295		1.986	1.988
Contrato 24/8/82	Cz \$	5.000	7	1.984	1.990

BNDES					
Contrato 22/12/78	Cz \$	9.152.906	12.098	1.990	1.997
Contrato 4/9/81	Cz \$	310.397.148	410.280	1.987	1.997
Contrato 14/12/86	Cz \$	17.453.030	23.069	1.991	1.999
Contrato 14/12/86	Cz \$	3.653.953	4.830	1.987	1.994
Contrato 14/12/86	Cz \$	79.198	104	1.988	1.991
Contrato 10/12/87	Cz \$	20.326.004	26.866	1.991	1.999
BRDE					
Contrato 30/11/78	Cz \$	8.917.761	11.787	1.983	1.999
Contrato 27/12/79	Cz \$	817	1	1.990	1.999
Contrato 27/12/79	Cz \$	3.353.654	4.432	1.990	1.994
Contrato 17/4/80	Cz \$	2.788.922	3.686	1.985	1.990
Contrato 30/5/80	Cz \$	3.495	5	1.990	2.000
Contrato 30/5/80	Cz \$	3.832.712	5.066	1.990	1.995
Contrato 11/11/80	Cz \$	119.772	158	1.988	1.990
Contrato 11/11/80	Cz \$	125		1.991	2.000
Contrato 22/6/83	Cz \$	9.417	12	1.988	1.998
Contrato 25/11/86	Cz \$	3.665.792	4.845	1.990	1.998
Contrato 10/12/87	Cz \$	1.164.189	1.539	1.991	1.999
Contrato 12/12/88	Cz \$	1.441.669	1.906	1.991	2.000
BNB					
Contrato 27/11/78	Cz \$	141.926.525	187.597	1.989	1.999
Contrato 17/12/80	Cz \$	20.813.557	27.511	1.987	2.001
Contrato 30/6/81	Cz \$	2.091.311	2.764	1.986	1.997
Contrato 10/12/81	Cz \$	2.445.471	3.232	1.986	1.997
Contrato 24/4/83	Cz \$	4.301.514	5.685	1.987	1.997
Contrato 24/4/84	Cz \$	159.271	211	1.988	1.998
Contrato 10/12/87	Cz \$	1.449.690	1.916	1.989	1.998
Contrato 5/12/88	Cz \$	5.477.647	7.240	1.990	1.997
BASA					
Contrato 14/12/78	Cz \$	9.733.308	12.865	1.989	1.999
Contrato 29/10/85	Cz \$	33.807.196	44.686	1.989	1.998
Contrato 12/12/88	Cz \$	7.771.208	10.272	1.990	1.999
BADEP					
Contrato 28/10/80	Cz \$	4.313.970	5.702	1.986	2.000
Contrato 4/12/80	Cz \$	407.459	538	1.986	2.000
J.P. MORGAN INTERFUNDING CORP.					
Contrato 18/5/77	US \$	10.000	10.000	1.984	1.989

DEUTSCHE BANK Contrato 19/2/79	DM	309.200	173.348	1.989	1.998
Contrato 19/2/79	DM	100.800	56.511	1.989	1.990
BANCO DO BRASIL					
Agencia Grand Cayman					
Contrato 17/10/77	US \$	62.000	62.000	1.981	1.988
Contrato 26/4/79	US \$	100.000	100.000	1.985	1.993
Contrato 5/1/81	US \$	120.000	120.000	1.987	1.995
CITIBANK N.A. EUA.					
Contrato 10/7/78					
Adelanto A	US \$	100.000	100.000	1.984	1.988
Adelanto B	US \$	75.000	75.000	1.984	1.990
DEUTSCHE BANK Cie. FINANCIERE LUXEMBOUR					
Contrato 5/2/79					
Linea A	US \$	125.000	125.000	1.985	1.989
Linea B	US \$	75.000	75.000	1.985	1.991
Linea C	US \$	50.000	50.000	1.985	1.994
MORGAN GUARANTY Co. of N.Y.INGLATERRA					
Contrato 17/9/79					
1° línea	US \$	80.000	80.000	1.987	1.991
2° línea	US \$	80.000	80.000	1.987	1.994
Contrato 26/8/81					
1° línea A	US \$	155.227	155.227	1.985	1.989
1° línea B	US \$	22.500	22.500	1.986	1.991
2° línea A	US \$	164.773	164.773	1.985	1.989
2° línea B	US \$	57.500	57.500	1.986	1.991
Contrato 31/1/84	US \$	10.000	10.000	1.986	1.992
KREDITANSTALT FUR WIEDERAUFBAU RFA					
Contrato 19/2/79					
	DM	261.600	146.661	1.989	1.998
BANQUE DE PARIS ET DES PAYS BAS. FRANCIA					
Contrato 20/2/79					
	FF	613.474	100.809	1.989	1.998
THE SWISS BANK Co. SUIZA					
Contrato 22/2/79					
	Sw F	157.029	103.993	1.990	1.999
Contrato 22/2/79					
	Sw F	21.181	14.027	1.990	1.993
Contrato 1/7/80					
	Sw F	199.692	132.247	1.990	1.999
Contrato 1/7/80					
	Sw F	23.184	15.354	1.990	1.992
Contrato 8/2/82					
	Sw F	32.730	21.676	1.990	1.999
Contrato 8/2/82					
	Sw F	570	377	1.990	1.992
Contrato 8/2/82					
	Sw F	5.407	3.581	1.990	1.999
Contrato 8/2/82					
	Sw F	3.450	2.284	1.990	1.992
Contrato 9/6/82					
	Sw F	28.374	18.791	1.990	1.999
Contrato 9/6/82					
	Sw F	3.007	1.991	1.990	1.992
Contrato 19/7/82					
	Sw F	35.023	23.194	1.990	1.999
Contrato 19/7/82					
	Sw F	3.886	20.574	1.990	1.992

SWISS BANK Co.S.A.					
PANAMA					
Contrato 2/7/80					
1° línea	US \$	100.000	100.000	1.988	1.990
2° línea	US \$	100.000	100.000	1.985	1.990
Contrato 17/6/82					
	US \$	20.000	20.000	1.986	1.990
DRESDNER BANK INTERN					
LUXEMBURGO					
Contrato 12/11/80					
	US \$	20.000	20.000	1.984	1.988
Contrato 2/2/83					
	DM	30.000	16.819	1.985	1.991
Contrato 4/12/85					
	US \$	40.000	40.000	1.991	1.995
CITIBANK N.A.EUA					
Contrato 19/12/80					
	US \$	266.500	266.500	1.984	1.988
Contrato 31/5/84					
Línea A	CAN \$	24.000	20.158	1.986	1.992
Línea A	US \$	59.000	59.000	1.986	1.992
Línea A	Sw F	23.227	15.382	1.986	1.992
Línea C	US \$	15.000	15.000	1.989	1.993
Contrato 19/2/85					
	US \$	20.000	20.000	1.990	1.994
Contrato 17/2/88					
	US \$	30.000	30.000	1.987	1.990
THE ROYAL BANK OF					
CANADA. CANADA					
Contrato 1/7/81					
	US \$	10.000	10.000	1.985	1.989
AMERICAN EXPRESS					
INT. BANKING Co.					
Contrato 21/7/81					
1° línea	US \$	20.000	20.000	1.985	1.989
2° línea	US \$	10.000	10.000	1.986	1.991
BANK OF AMERICAN NAT					
TRUST&SAVINGS ASSOC					
Contrato 6/11/81					
	US \$	30.000	30.000	1.985	1.989
BANCO REAL S.A.					
INGLATERRA					
Contrato 22/10/81					
	US \$	25.000	25.000	1.985	1.989
BANCO DO BRASIL S.A.					
Contrato 10/3/82					
	Cz \$	5.000	7	1.986	1.990
Contrato 29/6/83					
	Cz \$	7.000	9	1.987	1.988
Contrato 12/6/87					
	US \$	29.000	29.000	1.992	1.997
FINCANTIERI ITALIA					
Contrato 1/4/82					
	US \$	9.027	9.027	1.986	1.993
LIBRA BANK LTD. INGL					
Contrato 27/4/82					
Línea A	US \$	15.000	15.000	1.986	1.990
Línea B	US \$	10.000	10.000	1.986	1.990
THE FUJI BANK LTD.					
EUA					
Contrato 23/6/82					
	US \$	25.000	25.000	1.986	1.990
BANCO MITSUBISHI					
BRASILEIRO S.A.					
Contrato 26/11/82					
	US \$	10.000	10.000	1.985	1.990
Contrato 5/5/83					
	US \$	10.000	10.000	1.985	1.991
Contrato 2/6/86					
	US \$	833	833	1.988	1.988

DRESDNER BANK A.G. Contrato 2/2/83	DM	33.150	18.585	1.989	1.998
Contrato 4/12/85	DM	9.000	5.046	1.991	1.995
BANCO ECONOMICO S.A. Contrato 22/6/83	Cz \$	59.142	78	1.988	1.998
ROYAL BANK OF CANADA LTD Barbados Contrato 27/6/83	US \$	20.000	20.000	1.986	1.991
BADERN Contrato 2/8/83	Cz \$	4.246	6	1.988	1.998
BANK OF MONTREAL Bahamas Contrato 14/2/84	CAN \$	19.065	16.013	1.986	1.992
THE BANK OF TOKIO LTD. EUA. Contrato 28/5/84	US \$	40.000	40.000	1.986	1.992
THE CHASE MANHATTAN BANK N.A.INGLATERRA Contrato 28/9/84	US \$	48.000	48.000	1.989	1.993
Contrato 28/9/84	CAN \$	10.000	8.399	1.989	1.993
Contrato 26/6/85	US \$	119.000	119.000	1.990	1.994
Contrato 26/6/85	Fr B	221.164	5.898	1.990	1.994
BARCLAYS BANK INTER. LTD. INGLATERRA. Contrato 14/11/84	US \$	32.000	32.000	1.989	1.993
BANCO SOGERAL S.A. Contrato 10/12/82	US \$	5.000	5.000	1.985	1.990
Contrato 25/10/85	US \$	416	416	1.986	1.990
Contrato 25/4/86	US \$	458	458	1.986	1.990
BANCO NACIONAL S.A. Contrato 24/7/85	Cz \$	393.583	520	1.989	1.998
MORGAN GUARANTY T. Co of NY&EXIM BANK Contrato 15/11/85	US \$	8.500	8.500	1.990	1.994
MORGAN GUARANTY T. Co of NY. EUA Contrato 15/11/85	US \$	1.500	1.500	1.990	1.994
BANQ. NMB INTERUNION FRANCIA Contrato 5/12/85	US \$	12.000	12.000	1.991	1.995
SOCIETE GENERALE FRANCIA Contrato 6/12/85	US \$	10.000	10.000	1.990	1.994
ELECTROCONSULT Sp A Contrato 10/3/86	US \$	8.500	8.500	1.990	1.995
Contrato 10/3/86	US \$	2.000	2.000	1.990	1.991
Contrato 13/1/88	US \$	1.125	1.125	1.992	1.993
Contrato 13/1/88	US \$	5.100	5.100	1.991	1.995
Contrato 13/1/88	US \$	1.275	1.275	1.992	1.993

CHASE MANHATTAN S.A. Contrato 1/7/83	US \$	12.000	12.000	1.986	1.991
UNION BANK SWITZERL. SUIZA Contrato 19/8/87	Sw F	25.000	16.556	1.992	1.994
EUROPEAN BRAZILIAN BANK EUROBRAZ. Contrato 17/8/87	US \$	15.000	15.000	1.992	1.994
CONTRATOS CON OTRAS GARANTIAS					
CITIBANK N.A. EUA. Contrato 22/8/79	US \$	30.000	30.000	1.985	1.989
CITIBANK N.A. San Pablo. Contrato 12/2/80	US \$	1.833	1.833	1.982	1.988
Contrato 26/2/80	US \$	667	667	1.982	1.988
Contrato 26/2/81	US \$	2.500	2.500	1.983	1.989
Contrato 8/5/81	US \$	10.000	10.000	1.983	1.989
Contrato 4/6/82	US \$	5.000	5.000	1.984	1.990
Contrato 3/9/85	US \$	2.181	2.181	1.986	1.990
Contrato 12/11/85	US \$	1.333	1.333	1.989	1.991
Contrato 22/4/86	US \$	187	187	1.987	1.988
Contrato 9/6/86	US \$	417	417	1.987	1.989
Contrato 3/9/86	US \$	28	28	1.987	1.987
Contrato 4/9/86	US \$	208	208	1.990	1.990
CITIBANK N.A. Bahamas Contrato 15/9/80	US \$	40.000	40.000	1.984	1.988
BANCO DO COMMERCIO E INDUSTRIA DE S.P.S.A Contrato 24/4/80	US \$	20.000	20.000	1.982	1.988
BANCO NACIONAL S.A. Contrato 13/12/82	US \$	6.000	6.000	1.986	1.990
BANESPA Contrato 23/6/81	US \$	10.000	10.000	1.982	1.988
Contrato 22/7/82	US \$	5.000	5.000	1.985	1.990
LLOYDS BANK INTERN. LTD. INGLATERRA. Contrato 9/7/80	US \$	20.000	20.000	1.985	1.990
Contrato 28/6/82	US \$	10.000	10.000	1.986	1.990
Contrato 22/6/83	US \$	14.000	14.000	1.987	1.991
BANCO DE MONTREAL INVESTIMENTO S.A. Contrato 31/7/80	US \$	10.000	10.000	1.983	1.988
Contrato 2/2/87	US \$	750	750	1.990	1.994

BANCO BAMERINDUS DO BRASIL S.A. Contrato 14/1/81	US \$	5.000	5.000	1.983	1.989
Contrato 5/11/81	US \$	10.000	10.000	1.984	1.989
Contrato 5/11/85	US \$	833	833	1.989	1.989
Contrato 2/11/86	US \$	4.165	4.165	1.987	1.989
BANCO DE INVESTIMENT CREDIBANCO S.A. Contrato 13/7/81	US \$	8.000	8.000	1.983	1.989
UNIBANCO BANCO DO INVESTIMENTO DO BRASIL S.A. Contrato 22/7/81	US \$	5.000	5.000	1.984	1.989
BANCO SAFRA S.A. Contrato 14/9/81	US \$	10.000	10.000	1.984	1.989
BANCO REAL S.A. DE INGLATERRA Contrato 8/10/82	US \$	15.000	15.000	1.986	1.990
Contrato 18/1/82	US \$	15.000	15.000	1.986	1.990
BANCO MERCANTIL DE S. PAULO S.A. Contrato 4/8/80	US \$	9.500	9.500	1.983	1.988
BANCO INTERATLANTICO DE INVESTIMENTOS Contrato 28/10/82	US \$	2.000	2.000	1.985	1.990
CITIBANK N.A. EUA Contrato 30/8/82	US \$	20.000	20.000	1.986	1.990
BANCO LATINO AMERIC. DE EXPORTACIONES Panamá Contrato 23/8/82	US \$	2.000	2.000	1.986	1.990
BANCO SOGERAL S.A. Contrato 22/7/82	US \$	5.000	5.000	1.985	1.990
Contrato 13/7/87	US \$	374	374	1.992	1.994
MORGAN GUARANTY T. Co OF N.Y. INGLATERRA Contrato 1/4/83	US \$	3.000	3.000	1.987	1.991

LLOYDS BANK INTERN. LTD. SAO PAULO					
Contrato 6/10/81	US \$	10.000	10.000	1.984	1.989
Contrato 7/10/85	US \$	833	833	1.986	1.990
Contrato 17/6/86	US \$	2.849	2.849	1.987	1.992
Contrato 8/7/86	US \$	3.105	3.105	1.987	1.988
Contrato 11/8/86	US \$	412	412	1.987	1.990
Contrato 1/10/86	US \$	1.667	1.667	1.987	1.988
Contrato 17/11/86	US \$	2.883	2.883	1.988	1.988
Contrato 12/6/87	US \$	2.497	2.497	1.988	1.988
Contrato 17/6/87	US \$	225	225	1.988	1.988
Contrato 17/8/87	US \$	3.052	3.052	1.987	1.991
Contrato 20/8/87	US \$	2.004	2.004	1.988	1.989
CHASE MANHATTAN S.A.					
Contrato 6/8/80	US \$	5.000	5.000	1.983	1.988
Contrato 7/11/80	US \$	5.000	5.000	1.983	1.988
Contrato 24/10/85	US \$	1.667	1.667	1.986	1.989
Contrato 24/10/85	US \$	264	264	1.987	1.989
Contrato 7/11/85	US \$	133	133	1.986	1.989
Contrato 7/11/85	US \$	267	267	1.988	1.988
Contrato 2/12/85	US \$	833	833	1.988	1.988
CITIBANK Asunción					
Contrato 1/4/83	US \$	29.600	29.600	1.987	1.991

ACREEDOR	SIGLA	TOTAL	EQUIVALENTE DOLARES	INICIO	TERMINO
1989		Monedas en miles	Monedas en miles		
PRESTAMOS GARANTIZADOS POR LA REPUBLICA FEDERATIVA DE BRASIL					
ELETRORBRAS					
Contrato ECF 392/75	NCz \$	19.384.754	1.706.705	1.985	2.023
Contrato ECR 064/75	NCz \$	420.755	37.045	1.985	2.023
Contrato ECF 620/78	NCz \$	2.618.545	230.546	1.986	2.023
Contrato ECR 102/78	NCz \$	1		1.988	2.023
Contrato ECF 631/78	NCz \$	1.311.050	115.430	1.986	2.023
Contrato ECR 108/79	NCz \$	1		1.986	2.022
Contrato ECF 675/79	NCz \$	1.378.609	121.378	1.986	2.022
Contrato ECR 113/80	NCz \$	2		1.986	2.022
Contrato ECF 759/80	NCz \$	8	1	1.986	2.022
Contrato ECF 760/80	NCz \$	937.487	82.540	1.986	2.022
Contrato ECF 776/81	NCz \$	46	4	1.986	2.022
Contrato ECF 777/81	NCz \$	2.946.571	259.427	1.986	2.022
Contrato ECF 831/82	NCz \$	115	10	1.986	2.022
Contrato ECF 832/82	NCz \$	2.810.703	247.465	1.986	2.022
Contrato ECF 901/83	NCz \$	237	21	1.986	2.023
Contrato ECF 902/83	NCz \$	3.270.040	287.906	1.986	2.023
Contrato ECF 925/83	NCz \$	2.018.365	177.704	1.985	2.023
Contrato ECF 957/84	NCz \$	228	20	1.986	2.023
Contrato ECF 958/84	NCz \$	514.364	45.286	1.986	2.023
Contrato ECF 978/84	NCz \$	2.096.010	184.540	1.985	2.023
Contrato ECR 224/84	NCz \$	1.703.700	150.000	1.989	1.993
Contrato ECR 225/84	NCz \$	1.277.775	112.500	1.989	1.993
Contrato ECR 226/84	NCz \$	373.119	32.851	1.989	1.993
Contrato ECR 227/84	NCz \$	244.040	21.486	1.989	1.993
BADESP					
FINESP 034/76	NCz \$	36.806	3.241	1.985	1.989
FINESP 040/77	NCz \$	32.850	2.892	1.985	1.997
FINESP 050/78	NCz \$	585.672	51.565	1.989	1.998
CAIXA ECONOMICA CEF					
Contrato 8/12/77	NCz \$			1.982	1.992
Contrato 24/8/82	NCz \$	5		1.984	1.990

BNDES					
Contrato 22/12/78	NCz \$	108.074	9.515	1.990	1.997
Contrato 4/9/81	NCz \$	4.659.957	410.279	1.987	1.997
Contrato 14/12/86	NCz \$	206.179	18.153	1.991	1.999
Contrato 14/12/86	NCz \$	48.046	4.230	1.987	1.994
Contrato 14/12/86	NCz \$	937	82	1.988	1.994
Contrato 10/12/87	NCz \$	240.457	21.171	1.991	1.999
Contrato 4/10/88	NCz \$	22.555	1.986	1.992	1.998
BRDE					
Contrato 30/11/78	NCz \$	105.453	9.284	1.983	1.999
Contrato 27/12/79	NCz \$	1		1.990	1.999
Contrato 27/12/79	NCz \$	39.673	3.493	1.990	1.994
Contrato 17/4/80	NCz \$	32.989	2.904	1.985	1.990
Contrato 30/5/80	NCz \$	3		1.990	2.000
Contrato 30/5/80	NCz \$	45.341	3.992	1.990	1.995
Contrato 11/11/80	NCz \$	1.417	125	1.988	1.990
Contrato 11/11/80	NCz \$			1.991	2.000
Contrato 22/6/83	NCz \$	9	1	1.988	1.998
Contrato 25/11/86	NCz \$	43.366	3.818	1.990	1.998
Contrato 10/12/87	NCz \$	1.164	102	1.991	1.999
Contrato 12/12/88	NCz \$	17.055	1.502	1.991	2.000
BNB					
Contrato 27/11/78	NCz \$	1.678.787	147.807	1.989	1.999
Contrato 17/12/80	NCz \$	245.994	21.658	1.987	2.001
Contrato 30/6/81	NCz \$	24.680	2.173	1.986	1.997
Contrato 10/12/81	NCz \$	28.907	2.545	1.986	1.997
Contrato 24/4/83	NCz \$	50.803	4.473	1.987	1.997
Contrato 24/4/84	NCz \$	159	14	1.988	1.998
Contrato 10/12/87	NCz \$	1.450	128	1.989	1.998
Contrato 5/12/88	NCz \$	64.801	5.705	1.990	1.997
BASA					
Contrato 14/12/78	NCz \$	115.048	10.129	1.989	1.999
Contrato 29/10/85	NCz \$	399.940	35.212	1.989	1.998
Contrato 12/12/88	NCz \$	91.934	8.094	1.990	1.999
BADEP					
Contrato 28/10/80	NCz \$	51.011	4.491	1.986	2.000
Contrato 4/12/80	NCz \$	4.817	424	1.986	2.000
J.P. MORGAN INTERFUNDING CORP.					
Contrato 18/5/77	US \$	10.000	10.000	1.984	1.989

DEUTSCHE BANK Contrato 19/2/79	DM	309.200	183.426	1.989	1.998
Contrato 19/2/79	DM	100.800	59.797	1.989	1.990
BANCO DO BRASIL Agencia Grand Cayman					
Contrato 26/4/79	US \$	100.000	100.000	1.985	1.993
Contrato 5/1/81	US \$	120.000	120.000	1.987	1.995
CITIBANK N.A. EUA. Contrato 10/7/78					
Adelanto B	US \$	75.000	75.000	1.984	1.990
DEUTSCHE BANK Cie. FINANCIERE LUXEMBOUR Contrato 5/2/79					
Linea A	US \$	125.000	125.000	1.985	1.989
Linea B	US \$	75.000	75.000	1.985	1.991
Linea C	US \$	50.000	50.000	1.985	1.994
MORGAN GUARANTY Co. of N. Y. INGLATERRA Contrato 17/9/79					
1º línea	US \$	80.000	80.000	1.987	1.991
2º línea	US \$	80.000	80.000	1.987	1.994
Contrato 26/8/81					
1ª línea A	US \$	155.227	155.227	1.985	1.989
1ª línea B	US \$	22.500	22.500	1.986	1.991
2ª línea A	US \$	164.773	164.773	1.985	1.989
2ª línea B	US \$	57.500	57.500	1.986	1.991
Contrato 31/1/84	US \$	10.000	10.000	1.986	1.992
KREDITANSTALT FUR WIEDERAUFBAU RFA Contrato 19/2/79	DM	261.600	155.189	1.989	1.998
BANQUE DE PARIS ET DES PAYS BAS.FRANCIA Contrato 20/2/79	FF	613.474	106.486	1.989	1.998
THE SWISS BANK Co. SUIZA Contrato 22/2/79	Sw F	157.029	102.086	1.990	1.999
Contrato 22/2/79	Sw F	21.181	13.770	1.990	1.993
Contrato 1/7/80	Sw F	199.692	129.822	1.990	1.999
Contrato 1/7/80	Sw F	23.184	15.072	1.990	1.992
Contrato 8/2/82	Sw F	32.730	21.278	1.990	1.999
Contrato 8/2/82	Sw F	570	371	1.990	1.992
Contrato 8/2/82	Sw F	5.407	3.515	1.990	1.999
Contrato 8/2/82	Sw F	3.450	2.243	1.990	1.992
Contrato 9/6/82	Sw F	28.374	18.440	1.990	1.999
Contrato 9/6/82	Sw F	3.007	1.955	1.990	1.992
Contrato 19/7/82	Sw F	35.023	22.916	1.990	1.999
Contrato 19/7/82	Sw F	3.886	2.526	1.990	1.992

SWISS BANK Co.S.A.					
PANAMA					
Contrato 2/7/80					
1° línea	US \$	100.000	100.000	1.988	1.990
2° línea	US \$	100.000	100.000	1.985	1.990
Contrato 17/6/82					
	US \$	20.000	20.000	1.986	1.990
DRESDNER BANK INTERN					
LUXEMBURGO					
Contrato 2/2/83					
	DM	30.000	17.797	1.985	1.991
Contrato 4/12/85					
	US \$	40.000	40.000	1.991	1.995
CITIBANK N.A. EUA.					
Contrato 31/5/84					
Línea A	CAN \$	24.000	20.768	1.986	1.992
Línea A	US \$	59.000	59.000	1.986	1.992
Línea A	Sw F	23.227	15.100	1.986	1.992
Línea C	US \$	15.000	15.000	1.989	1.993
Contrato 19/2/85					
	US \$	20.000	20.000	1.990	1.994
Contrato 17/2/88					
	US \$	30.000	30.000	1.987	1.990
THE ROYAL BANK OF					
CANADA. CANADA					
Contrato 1/7/81					
	US \$	10.000	10.000	1.985	1.989
AMERICAN EXPRESS					
INT. BANKING Co.					
Contrato 21/7/81					
1° línea	US \$	20.000	20.000	1.985	1.989
2° línea	US \$	10.000	10.000	1.986	1.991
BANK OF AMERICAN NAT					
TRUST&SAVINGS ASSOC					
Contrato 6/11/81					
	US \$	30.000	30.000	1.985	1.989
BANCO REAL S.A.					
INGLATERRA					
Contrato 22/10/81					
	US \$	25.000	25.000	1.985	1.989
BANCO DO BRASIL S.A.					
Contrato 10/3/82					
	NCz \$	5		1.986	1.990
Contrato 29/6/83					
	NCz \$	7	1	1.987	1.987
Contrato 12/6/87					
	US \$	29.000	29.000	1.992	1.997
FINCANTIERI ITALIA					
Contrato 1/4/82					
	US \$	9.027	9.027	1.986	1.993
LIBRA BANK LTD. INGL					
Contrato 27/4/82					
Línea A	US \$	15.000	15.000	1.986	1.990
Línea B	US \$	10.000	10.000	1.986	1.990
THE FUJI BANK LTD.					
EUA					
Contrato 23/6/82					
	US \$	25.000	25.000	1.986	1.990
BANCO MITSUBISHI					
BRASILEIRO S.A.					
Contrato 26/11/82					
	US \$	10.000	10.000	1.985	1.990
Contrato 5/5/83					
	US \$	10.000	10.000	1.985	1.991

DRESDNER BANK A.G. Contrato 2/2/83	DM	33.150	19.666	1.989	1.998
Contrato 4/12/85	DM	9.000	5.339	1.991	1.995
BANCO ECONOMICO S.A. Contrato 22/6/83	NCz \$	700	62	1.988	1.998
ROYAL BANK OF CANADA LTD Barbados Contrato 27/6/83	US \$	20.000	20.000	1.986	1.991
BADERN Contrato 2/8/83	NCz \$	3.346	295	1.988	1.998
BANK OF MONTREAL Bahamas Contrato 14/2/84	CAN \$	19.065	16.498	1.986	1.992
THE BANK OF TOKIO LTD. EUA. Contrato 28/5/84	US \$	40.000	40.000	1.986	1.992
THE CHASE MANHATTAN BANK N.A. INGLATERRA Contrato 28/9/84	US \$	48.000	48.000	1.989	1.993
Contrato 28/9/84	CAN \$	10.000	8.654	1.989	1.993
Contrato 26/6/85	US \$	119.000	119.000	1.990	1.994
Contrato 26/6/85	Fr B	221.164	6.228	1.990	1.994
BARCLAYS BANK INTER. LTD. INGLATERRA. Contrato 14/11/84	US \$	32.000	32.000	1.989	1.993
BANCO SOGERAL S.A. Contrato 10/12/82	US \$	5.000	5.000	1.985	1.990
Contrato 25/10/85	US \$	416	416	1.986	1.990
Contrato 25/4/86	US \$	458	458	1.986	1.990
BANCO NACIONAL S.A. Contrato 24/7/85	NCz \$	394	35	1.989	1.998
Contrato 12/1/89	NCz \$	41.815	3.682	1.990	1.999
MORGAN GUARANTY T. Co of NY&EXIM BANK Contrato 15/11/85	US \$	8.500	8.500	1.990	1.994
MORGAN GUARANTY T. Co of NY. EUA Contrato 15/11/85	US \$	1.500	1.500	1.990	1.994
BANQ. NMB INTERUNION FRANCIA Contrato 5/12/85	US \$	12.000	12.000	1.991	1.995
SOCIETE GENERALE FRANCIA Contrato 6/12/85	US \$	10.000	10.000	1.990	1.994

ELECTROCONSULT Sp A Contrato 10/3/86	US \$	8.500	8.500	1.990	1.995
Contrato 10/3/86	US \$	2.000	2.000	1.990	1.991
Contrato 13/1/88	US \$	1.125	1.125	1.992	1.993
Contrato 13/1/88	US \$	5.100	5.100	1.991	1.995
Contrato 13/1/88	US \$	1.275	1.275	1.992	1.993
CHASE MANHATTAN S.A. Contrato 1/7/83	US \$	12.000	12.000	1.986	1.991
UNION BANK SWITZERL. SUIZA Contrato 19/8/87	Sw F	25.000	16.253	1.992	1.994
EUROPEAN BRAZILIAN BANK EUROBRAZ. Contrato 17/8/87	US \$	15.000	15.000	1.992	1.994

CONTRATOS CON OTRAS GARANTIAS

CITIBANK N.A. EUA. Contrato 22/8/79	US \$	30.000	30.000	1.985	1.989
CITIBANK N.A. San Pablo. Contrato 26/2/81	US \$	2.500	2.500	1.983	1.989
Contrato 8/5/81	US \$	10.000	10.000	1.983	1.989
Contrato 4/6/82	US \$	5.000	5.000	1.984	1.990
Contrato 3/9/85	US \$	2.181	2.181	1.986	1.990
Contrato 12/11/85	US \$	1.333	1.333	1.989	1.991
Contrato 9/6/86	US \$	417	417	1.987	1.989
Contrato 4/9/86	US \$	208	208	1.990	1.990
CITIBANK N.A. Bahamas Contrato 15/9/80	US \$	40.000	40.000	1.984	1.988
BANCO NACIONAL S.A. Contrato 13/12/82	US \$	6.000	6.000	1.986	1.990
BANESPA Contrato 22/7/82	US \$	5.000	5.000	1.985	1.990
LLOYDS BANK INTERN. LTD. INGLATERRA. Contrato 9/7/80	US \$	20.000	20.000	1.985	1.990
Contrato 28/6/82	US \$	10.000	10.000	1.986	1.990
Contrato 22/6/83	US \$	14.000	14.000	1.987	1.991
BANCO DE MONTREAL INVESTIMENTO S.A. Contrato 2/2/87	US \$	750	750	1.990	1.994

BANCO BAMERINDUS DO BRASIL S.A. Contrato 14/1/81	US \$	5.000	5.000	1.983	1.989
Contrato 5/11/81	US \$	10.000	10.000	1.984	1.989
Contrato 5/11/85	US \$	833	833	1.989	1.989
Contrato 2/11/86	US \$	4.165	4.165	1.987	1.990
BANCO DE INVESTIMENT CREDIBANCO S.A. Contrato 13/7/81	US \$	8.000	8.000	1.983	1.989
UNIBANCO BANCO DO INVESTIMENTO DO BRASIL S.A. Contrato 22/7/81	US \$	5.000	5.000	1.984	1.989
BANCO SAFRA S.A. Contrato 14/9/81	US \$	10.000	10.000	1.984	1.989
BANCO REAL S.A. DE INGLATERRA Contrato 8/10/82	US \$	15.000	15.000	1.986	1.990
Contrato 18/1/82	US \$	15.000	15.000	1.986	1.990
BANCO INTERATLANTICO DE INVESTIMENTOS Contrato 28/10/82	US \$	2.000	2.000	1.985	1.990
CITIBANK N.A. EUA Contrato 30/8/82	US \$	20.000	20.000	1.986	1.990
BANCO LATINO AMERIC. DE EXPORTACIONES Panamá Contrato 23/8/82	US \$	2.000	2.000	1.986	1.990
BANCO SOGERAL S.A. Contrato 22/7/82	US \$	5.000	5.000	1.985	1.990
Contrato 13/7/87	US \$	374	374	1.992	1.994
MORGAN GUARANTY T. Co OF N.Y. INGLATERRA Contrato 1/4/83	US \$	3.000	3.000	1.987	1.991
LLOYDS BANK INTERN. LTD. SAO PAULO Contrato 6/10/81	US \$	10.000	10.000	1.984	1.989
Contrato 7/10/85	US \$	833	833	1.986	1.990
Contrato 17/6/86	US \$	2.849	2.849	1.987	1.992
Contrato 11/8/86	US \$	412	412	1.987	1.990
Contrato 17/8/87	US \$	3.052	3.052	1.987	1.991
Contrato 20/8/87	US \$	2.004	2.004	1.988	1.989
CHASE MANHATTAN S.A. Contrato 24/10/85	US \$	1.667	1.667	1.986	1.989
Contrato 24/10/85	US \$	264	264	1.987	1.989
Contrato 7/11/85	US \$	133	133	1.986	1.989
CITIBANK Asunción Contrato 1/4/83	US \$	29.600	29.600	1.987	1.991

BANCO CREFISUL DE INVESTIMENTO SA. SP					
Contrato 1/10/87	US \$	500	500	1.988	1.989
Contrato 1/10/87	US \$	250	250	1.989	1.989
Contrato 22/10/87	US \$	172	172	1.989	1.989
Contrato 5/11/87	US \$	42	42	1.989	1.989
Contrato 1/12/87	US \$	750	750	1.990	1.990
Contrato 8/12/87	US \$	375	375	1.990	1.990
Contrato 14/12/87	US \$	118	118	1.990	1.990
Contrato 17/12/87	US \$	581	581	1.990	1.990
Contrato 28/12/87	US \$	224	224	1.990	1.990

ACREEDOR	SIGLA	TOTAL	EQUIVALENTE DOLARES	INICIO	TERMINO
1.990		Monedas en miles	Monedas en miles		
PRESTAMOS GARANTIZADOS POR LA REPUBLICA FEDERATIVA DE BRASIL					
ELETRORBRAS					
Contrato ECF 392/75	Cr \$	313.457.197	1.843.215	1.985	2.023
Contrato ECR 064/75	Cr \$	6.803.726	40.008	1.985	2.023
Contrato ECF 620/78	Cr \$	42.342.652	248.987	1.986	2.023
Contrato ECR 102/78	Cr \$	1		1.988	2.023
Contrato ECF 631/78	Cr \$	21.200.065	124.662	1.986	2.023
Contrato ECR 108/79	Cr \$	1		1.986	2.022
Contrato ECF 675/79	Cr \$	22.292.521	131.086	1.986	2.022
Contrato ECR 113/80	Cr \$	2		1.986	2.022
Contrato ECF 759/80	Cr \$	8		1.986	2.022
Contrato ECF 760/80	Cr \$	15.159.436	89.142	1.986	2.022
Contrato ECF 776/81	Cr \$	46		1.986	2.022
Contrato ECF 777/81	Cr \$	47.646.920	280.177	1.986	2.022
Contrato ECF 831/82	Cr \$	115	1	1.986	2.022
Contrato ECF 832/82	Cr \$	45.449.894	267.258	1.986	2.022
Contrato ECF 901/83	Cr \$	237	1	1.986	2.023
Contrato ECF 902/83	Cr \$	52.877.504	310.934	1.986	2.023
Contrato ECF 925/83	Cr \$	32.637.564	191.918	1.985	2.023
Contrato ECF 957/84	Cr \$	228	1	1.986	2.023
Contrato ECF 958/84	Cr \$	8.317.412	48.909	1.986	2.023
Contrato ECF 978/84	Cr \$	33.893.100	199.301	1.985	2.023
Contrato ECR 224/84	Cr \$	25.509.000	150.000	1.989	1.993
Contrato ECR 225/84	Cr \$	19.131.750	112.500	1.989	1.993
Contrato ECR 226/84	Cr \$	5.586.641	32.851	1.989	1.993
Contrato ECR 227/84	Cr \$	3.653.909	21.486	1.989	1.993
Adelanto ECF 1140/90	Cr \$	367.739.275	2.162.409	1.990	2.023
ECF 1141/90	Cr \$	444.926.245	2.616.290	1.992	2.023
BADESP					
FINESP 040/77	Cr \$	407.122	2.394	1.985	1.997
FINESP 050/78	Cr \$	7.258.403	42.681	1.989	1.998
CAIXA ECONOMICA CEF					
Contrato 24/8/82	Cr \$	5		1.984	1.990

BNDES					
Contrato 22/12/78	Cr \$	1.339.416	7.876	1.990	1.997
Contrato 4/9/81	Cr \$	69.772.175	410.280	1.987	1.997
Contrato 14/12/86	Cr \$	2.664.416	15.668	1.991	1.999
Contrato 14/12/86	Cr \$	765.060	4.499	1.987	1.994
Contrato 14/12/86	Cr \$	11.612	68	1.988	1.994
Contrato 10/12/87	Cr \$	2.980.064	17.524	1.991	1.999
Contrato 4/10/88	Cr \$	22.555	133	1.992	1.998
BRDE					
Contrato 30/11/78	Cr \$	1.306.875	7.685	1.983	1.999
Contrato 27/12/79	Cr \$			1.990	1.999
Contrato 27/12/79	Cr \$	491.686	2.891	1.990	1.994
Contrato 17/4/80	Cr \$			1.985	1.990
Contrato 30/5/80	Cr \$	3		1.990	2.000
Contrato 30/5/80	Cr \$	561.983	3.305	1.990	1.995
Contrato 11/11/80	Cr \$	17.560	103	1.988	1.990
Contrato 11/11/80	Cr \$			1.991	2.000
Contrato 22/6/83	Cr \$	9		1.988	1.998
Contrato 25/11/86	Cr \$	531.133	3.123	1.990	1.998
Contrato 10/12/87	Cr \$	1.164	7	1.991	1.999
Contrato 12/12/88	Cr \$	211.368	1.243	1.991	2.000
BNB					
Contrato 27/11/78	Cr \$	20.805.538	122.342	1.989	1.999
Contrato 17/12/80	Cr \$	3.048.472	17.926	1.987	2.001
Contrato 30/6/81	Cr \$	13.681.990	80.454	1.986	1.997
Contrato 10/12/81	Cr \$	358.228	2.106	1.986	1.997
Contrato 24/4/83	Cr \$	629.535	3.702	1.987	1.997
Contrato 24/4/84	Cr \$	159	1	1.988	1.998
Contrato 10/12/87	Cr \$	1.450	9	1.989	1.998
Contrato 5/12/88	Cr \$	803.096	4.722	1.990	1.997
BASA					
Contrato 14/12/78	Cr \$	1.425.720	8.384	1.989	1.999
Contrato 29/10/85	Cr \$	4.956.587	29.146	1.989	1.998
Contrato 12/12/88	Cr \$	1.139.363	6.700	1.990	1.999
BADEP					
Contrato 28/10/80	Cr \$	632.170	3.717	1.986	2.000
Contrato 4/12/80	Cr \$	59.706	351	1.986	2.000

DEUTSCHE BANK Contrato 19/2/79	DM	309.200	207.054	1.989	1.998
Contrato 19/2/79	DM	100.800	67.500	1.989	1.990
BANCO DO BRASIL Agencia Grand Cayman Contrato 26/4/79	US \$	100.000	100.000	1.985	1.993
Contrato 5/1/81	US \$	120.000	120.000	1.987	1.995
CITIBANK N.A. EUA. Contrato 10/7/78 Adelanto B	US \$	75.000	75.000	1.984	1.990
DEUTSCHE BANK Cie. FINANCIERE LUXEMBOUR Contrato 5/2/79					
Línea B	US \$	75.000	75.000	1.985	1.991
Línea C	US \$	50.000	50.000	1.985	1.994
MORGAN GUARANTY Co. of N.Y. INGLATERRA Contrato 17/9/79					
1º línea	US \$	80.000	80.000	1.987	1.991
2º línea	US \$	80.000	80.000	1.987	1.994
Contrato 26/8/81					
1ª línea B	US \$	22.500	22.500	1.986	1.991
2ª línea B	US \$	57.500	57.500	1.986	1.991
Contrato 31/1/84	US \$	10.000	10.000	1.986	1.992
KREDITANSTALT FUR WIEDERAUFBAU RFA Contrato 19/2/79	DM	261.600	155.189	1.989	1.998
BANQUE DE PARIS ET DES PAYS BAS. FRANCIA Contrato 20/2/79	FF	613.474	120.865	1.989	1.998
THE SWISS BANK Co. SUIZA Contrato 22/2/79	Sw F	157.029	123.215	1.990	1.999
Contrato 22/2/79	Sw F	21.181	16.620	1.990	1.993
Contrato 1/7/80	Sw F	199.692	156.691	1.990	1.999
Contrato 1/7/80	Sw F	23.184	18.192	1.990	1.992
Contrato 8/2/82	Sw F	32.730	25.682	1.990	1.999
Contrato 8/2/82	Sw F	570	447	1.990	1.992
Contrato 8/2/82	Sw F	5.407	4.243	1.990	1.999
Contrato 8/2/82	Sw F	3.450	2.707	1.990	1.992
Contrato 9/6/82	Sw F	28.374	22.264	1.990	1.999
Contrato 9/6/82	Sw F	3.007	2.359	1.990	1.992
Contrato 19/7/82	Sw F	35.023	27.481	1.990	1.999
Contrato 19/7/82	Sw F	3.886	3.049	1.990	1.992
SWISS BANK Co.S.A. PANAMA Contrato 2/7/80					
1º línea	US \$	100.000	100.000	1.988	1.990
2ª línea	US \$	100.000	100.000	1.985	1.990
Contrato 17/6/82	US \$	20.000	20.000	1.986	1.990

DRESDNER BANK INTERN LUXEMBURGO					
Contrato 2/2/83	DM	30.000	20.089	1.985	1.991
Contrato 4/12/85	US \$	40.000	40.000	1.991	1.995
CITIBANK N.A. EUA.					
Contrato 31/5/84					
Línea A	CAN \$	24.000	20.709	1.986	1.992
Línea A	US \$	59.000	59.000	1.986	1.992
Línea A	Sw F	23.227	18.225	1.986	1.992
Línea C	US \$	15.000	15.000	1.989	1.993
Contrato 19/2/85	US \$	20.000	20.000	1.990	1.994
Contrato 17/2/88	US \$	30.000	30.000	1.987	1.990
AMERICAN EXPRESS INT. BANKING Co.					
Contrato 21/7/81					
2ª línea	US \$	10.000	10.000	1.986	1.991
BANCO REAL S.A. INGLATERRA					
Contrato 22/10/81	US \$	25.000	25.000	1.985	1.989
BANCO DO BRASIL S.A.					
Contrato 10/3/82					
	Cr \$	5		1.986	1.990
Contrato 29/6/83	Cr \$	7		1.987	1.987
Contrato 27/3/90	US \$	11.000	11.000	1.992	1.997
Contrato 27/3/90	US \$	18.000	18.000	1.992	1.997
FINCANTIERI ITALIA					
Contrato 1/4/82					
	US \$	9.027	9.027	1.986	1.993
LIBRA BANK LTD. INGL					
Contrato 27/4/82					
Línea A	US \$	15.000	15.000	1.986	1.990
Línea B	US \$	10.000	10.000	1.986	1.990
THE FUJI BANK LTD. EUA					
Contrato 23/6/82					
	US \$	25.000	25.000	1.986	1.990
BANCO MITSUBISHI BRASILEIRO S.A.					
Contrato 26/11/82					
	US \$	10.000	10.000	1.985	1.990
Contrato 5/5/83	US \$	10.000	10.000	1.985	1.991
DRESDNER BANK A.G.					
Contrato 2/2/83					
	DM	33.150	22.199	1.989	1.998
Contrato 4/12/85	DM	9.000	6.027	1.991	1.995
BANCO ECONOMICO S.A.					
Contrato 22/6/83					
	Cr \$	700	4	1.988	1.998
ROYAL BANK OF CANADA LTD Barbados					
Contrato 27/6/83					
	US \$	20.000	20.000	1.986	1.991
BADERN					
Contrato 2/8/83					
	Cr \$	3.346	20	1.988	1.998
BANK OF MONTREAL Bahamas					
Contrato 14/2/84					
	CAN \$	19.065	16.451	1.986	1.992

THE BANK OF TOKIO LTD. EUA. Contrato 28/5/84	US \$	40.000	40.000	1.986	1.992
THE CHASE MANHATTAN BANK N. A. INGLATERRA Contrato 28/9/84	US \$	48.000	48.000	1.989	1.993
Contrato 28/9/84	CAN \$	10.000	8.629	1.989	1.993
Contrato 26/6/85	US \$	119.000	119.000	1.990	1.994
Contrato 26/6/85	Fr B	221.164	7.133	1.990	1.994
BARCLAYS BANK INTER. LTD. INGLATERRA. Contrato 14/11/84	US \$	32.000	32.000	1.989	1.993
BANCO SOGERAL S. A. Contrato 10/12/82	US \$	5.000	5.000	1.985	1.990
Contrato 25/10/85	US \$	416	416	1.986	1.990
Contrato 25/4/86	US \$	458	458	1.986	1.990
BANCO NACIONAL S. A. Contrato 24/7/85	Cr \$	394	2	1.989	1.998
Contrato 12/1/89	Cr \$	41.815	246	1.990	1.999
MORGAN GUARANTY T. Co of NY&EXIM BANK Contrato 15/11/85	US \$	8.500	8.500	1.990	1.994
MORGAN GUARANTY T. Co of NY. EUA Contrato 15/11/85	US \$	1.500	1.500	1.990	1.994
BANQ. NMB INTERUNION FRANCIA Contrato 5/12/85	US \$	12.000	12.000	1.991	1.995
SOCIETE GENERALE FRANCIA Contrato 6/12/85	US \$	10.000	10.000	1.990	1.994
ELECTROCONSULT Sp A Contrato 10/3/86	US \$	8.500	8.500	1.990	1.995
Contrato 10/3/86	US \$	2.000	2.000	1.990	1.991
Contrato 13/1/88	US \$	1.125	1.125	1.992	1.993
Contrato 13/1/88	US \$	5.100	5.100	1.991	1.995
Contrato 13/1/88	US \$	1.275	1.275	1.992	1.993
CHASE MANHATTAN S. A. Contrato 1/7/83	US \$	12.000	12.000	1.986	1.991
UNION BANK SWITZERL. SUIZA Contrato 19/8/87	Sw F	25.000	19.617	1.992	1.994
EUROPEAN BRAZILIAN BANK EUROBRAZ. Contrato 17/8/87	US \$	15.000	15.000	1.992	1.994
BANK OF AMERICAN NAT TRUST&SAVINGS ASSOC Contrato 6/11/81	US \$	15.000	15.000	1.985	1.994

CONTRATOS CON OTRAS GARANTIAS

CITIBANK N. A. S. Pablo Contrato 4/6/82	US \$	5.000	5.000	1.984	1.990
Contrato 3/9/85	US \$	2.181	2.181	1.986	1.990
Contrato 12/11/85	US \$	1.333	1.333	1.989	1.991
Contrato 4/9/86	US \$	208	208	1.990	1.990
BANCO NACIONAL S.A. Contrato 13/12/82	US \$	6.000	6.000	1.986	1.990
BANESPA Contrato 22/7/82	US \$	5.000	5.000	1.985	1.990
LLOYDS BANK INTERN. LTD. INGLATERRA. Contrato 9/7/80	US \$	20.000	20.000	1.985	1.990
Contrato 28/6/82	US \$	10.000	10.000	1.986	1.990
Contrato 22/6/83	US \$	14.000	14.000	1.987	1.991
BANCO DE MONTREAL INVESTIMENTO S.A. Contrato 2/2/87	US \$	750	750	1.990	1.994
BANCO BAMERINDUS DO BRASIL S.A. Contrato 2/11/86	US \$	4.165	4.165	1.987	1.990
BANCO REAL S.A. DE INGLATERRA Contrato 8/10/82	US \$	15.000	15.000	1.986	1.990
Contrato 18/1/82	US \$	15.000	15.000	1.986	1.990
BANCO INTERATLANTICO DE INVESTIMENTOS Contrato 28/10/82	US \$	2.000	2.000	1.985	1.990
CITIBANK N.A. EUA Contrato 30/8/82	US \$	20.000	20.000	1.986	1.990
BANCO LATINO AMERIC. DE EXPORTACIONES Panamá Contrato 23/8/82	US \$	2.000	2.000	1.986	1.990
BANCO SOGERAL S.A. Contrato 22/7/82	US \$	5.000	5.000	1.985	1.990
Contrato 13/7/87	US \$	374	374	1.992	1.994
MORGAN GUARANTY T. Co OF N.Y. INGLATERRA Contrato 1/4/83	US \$	3.000	3.000	1.987	1.991
LLOYDS BANK INTERN. LTD. SAO PAULO Contrato 7/10/85	US \$	833	833	1.986	1.990
Contrato 17/6/86	US \$	2.849	2.849	1.987	1.992
Contrato 11/8/86	US \$	412	412	1.987	1.990
Contrato 17/8/87	US \$	3.052	3.052	1.987	1.991

CITIBANK Asunción Contrato 1/4/83	US \$	29.600	29.600	1.987	1.991
BANCO CREFISUL DE INVESTIMENTO SA. SP Contrato 1/12/87	US \$	750	750	1.990	1.990
Contrato 8/12/87	US \$	375	375	1.990	1.990
Contrato 14/12/87	US \$	118	118	1.990	1.990
Contrato 17/12/87	US \$	581	581	1.990	1.990
Contrato 28/12/87	US \$	224	224	1.990	1.990

ACREEDOR	SIGLA	TOTAL	EQUIVALENTE DOLARES	INICIO	TERMINO
1991		Monedas en miles	Monedas en miles		
PRESTAMOS GARANTIZADOS POR LA REPUBLICA FEDERATIVA DE BRASIL					
ELETOBRAS					
Contrato ECF 392/75	Cr \$	1.548.675.323	1.448.985	1.985	2.023
ECF 1140/90	Cr \$	2.311.182.739	2.162.409	1.990	2.023
ECF 1141/90	Cr \$	444.926.245	416.286	1.992	2.023
BADESP					
FINESP 040/77	Cr \$	1.981.555	1.854	1.985	1.997
FINESP 050/78	Cr \$	35.328.268	33.054	1.989	1.998
CAIXA ECONOMICA CEF					
Contrato 24/8/82	Cr \$	5		1.984	1.990
BNDDES					
Contrato 22/12/78	Cr \$	6.519.174	6.100	1.990	1.997
Contrato 4/9/81	Cr \$	438.507.002	410.280	1.987	1.997
Contrato 14/12/86	Cr \$	13.950.823	13.053	1.991	1.999
Contrato 14/12/86	Cr \$	75.749.798	70.874	1.987	1.994
Contrato 14/12/86	Cr \$	56.516	53	1.988	1.994
Contrato 10/12/87	Cr \$	14.504.640	13.571	1.991	1.999
Contrato 4/10/88	Cr \$	22.555	21	1.992	1.998
BRDE					
Contrato 30/11/78	Cr \$	6.360.857	5.951	1.983	1.999
Contrato 27/12/79	Cr \$			1.990	1.999
Contrato 27/12/79	Cr \$	2.393.146	2.239	1.990	1.994
Contrato 30/5/80	Cr \$	3		1.990	2.000
Contrato 30/5/80	Cr \$	2.735.080	2.559	1.990	1.995
Contrato 11/11/80	Cr \$			1.988	1.990
Contrato 11/11/80	Cr \$			1.991	2.000
Contrato 22/6/83	Cr \$	9		1.988	1.998
Contrato 25/11/86	Cr \$	2.585.141	2.419	1.990	1.998
Contrato 10/12/87	Cr \$	1.164	1	1.991	1.999
Contrato 12/12/88	Cr \$	1.028.776	963	1.991	2.000

BNB					
Contrato 27/11/78	Cr \$	101.265.142	94.747	1.989	1.999
Contrato 17/12/80	Cr \$	14.837.524	13.883	1.987	2.001
Contrato 30/6/81	Cr \$	66.593.291	62.307	1.986	1.997
Contrato 10/12/81	Cr \$	1.743.578	1.631	1.986	1.997
Contrato 28/4/83	Cr \$	3.064.055	2.867	1.987	1.997
Contrato 24/4/84	Cr \$	159		1.988	1.998
Contrato 10/12/87	Cr \$	1.450	1	1.989	1.998
Contrato 5/12/88	Cr \$	3.908.850	3.657	1.990	1.997
BASA					
Contrato 14/12/78	Cr \$	6.939.262	6.493	1.989	1.999
Contrato 29/10/85	Cr \$	24.124.821	22.572	1.989	1.998
Contrato 12/12/88	Cr \$	5.545.536	5.189	1.990	1.999
BADEP					
Contrato 28/10/80	Cr \$	3.076.904	2.879	1.986	2.000
Contrato 4/12/80	Cr \$	290.597	272	1.986	2.000
DEUTSCHE BANK					
Contrato 19/2/79	DM	309.200	203.728	1.989	1.998
Contrato 19/2/79	DM	100.800	66.416	1.989	1.990
BANCO DO BRASIL					
Agencia Grand Cayman					
Contrato 26/4/79	US \$	100.000	100.000	1.985	1.993
Contrato 5/1/81	US \$	120.000	120.000	1.987	1.995
CITIBANK N.A. EUA.					
Contrato 10/7/78					
Adelanto B	US \$	75.000	75.000	1.984	1.990
DEUTSCHE BANK Cie.					
FINANCIERE LUXEMBOUR					
Contrato 5/2/79					
Línea B	US \$	75.000	75.000	1.985	1.991
Línea C	US \$	50.000	50.000	1.985	1.994
MORGAN GUARANTY Co.					
of N.Y.INGLATERRA					
Contrato 17/9/79					
1° línea	US \$	80.000	80.000	1.987	1.991
2° línea	US \$	80.000	80.000	1.987	1.994
Contrato 26/8/81					
1° línea B	US \$	22.500	22.500	1.986	1.991
2° línea B	US \$	57.500	57.500	1.986	1.991
Contrato 31/1/84	US \$	10.000	10.000	1.986	1.992
KREDITANSTALT FUR					
WIEDERAUFBAU RFA					
Contrato 19/2/79	DM	261.600	172.105	1.989	1.998
BANQUE DE PARIS ET					
DES PAYS BAS.FRANCIA					
Contrato 20/2/79	FF	613.474	118.286	1.989	1.998

THE SWISS BANK Co.					
SUIZA					
Contrato 22/2/79	Sw F	157.029	115.906	1.990	1.999
Contrato 22/2/79	Sw F	21.181	15.634	1.990	1.993
Contrato 1/7/80	Sw F	199.692	147.396	1.990	1.999
Contrato 1/7/80	Sw F	23.184	17.112	1.990	1.992
Contrato 8/2/82	Sw F	32.730	24.159	1.990	1.999
Contrato 8/2/82	Sw F	570	421	1.990	1.992
Contrato 8/2/82	Sw F	5.407	3.991	1.990	1.999
Contrato 8/2/82	Sw F	3.450	2.547	1.990	1.992
Contrato 9/6/82	Sw F	28.374	20.943	1.990	1.999
Contrato 9/6/82	Sw F	3.007	2.220	1.990	1.992
Contrato 19/7/82	Sw F	35.023	25.851	1.990	1.999
Contrato 19/7/82	Sw F	3.886	2.868	1.990	1.992
SWISS BANK Co.S.A.					
PANAMA					
Contrato 2/7/80					
1ª línea	US \$	100.000	100.000	1.988	1.990
2ª línea	US \$	100.000	100.000	1.985	1.990
Contrato 17/6/82	US \$	20.000	20.000	1.986	1.990
DRESDNER BANK INTERN					
LUXEMBURGO					
Contrato 2/2/83	DM	30.000	19.767	1.985	1.991
Contrato 4/12/85	US \$	40.000	40.000	1.991	1.995
CITIBANK N.A. EUA.					
Contrato 31/5/84					
Línea A	CAN \$	24.000	20.781	1.986	1.992
Línea A	US \$	59.000	59.000	1.986	1.992
Línea A	Sw F	23.227	17.144	1.986	1.992
Línea C	US \$	15.000	15.000	1.989	1.993
Contrato 19/2/85	US \$	20.000	20.000	1.990	1.994
Contrato 17/2/88	US \$	30.000	30.000	1.987	1.990
AMERICAN EXPRESS					
INT. BANKING Co.					
Contrato 21/7/81					
2ª línea	US \$	10.000	10.000	1.986	1.991
BANCO REAL S.A.					
INGLATERRA					
Contrato 22/10/81	US \$	25.000	25.000	1.985	1.989
BANCO DO BRASIL S.A.					
Contrato 10/3/82					
	Cr \$	5		1.986	1.990
Contrato 29/6/83	Cr \$	7		1.987	1.987
Contrato 27/3/90	US \$	11.000	11.000	1.992	1.997
Contrato 27/3/90	US \$	18.000	18.000	1.992	1.997
FINCANTIERI ITALIA					
Contrato 1/4/82					
	US \$	9.027	9.027	1.986	1.993

LIBRA BANK LTD. INGL					
Contrato 27/4/82					
Línea A	US \$	15.000	15.000	1.986	1.990
Línea B	US \$	10.000	10.000	1.986	1.990
THE FUJI BANK LTD.					
EUA					
Contrato 23/6/82	US \$	25.000	25.000	1.986	1.990
BANCO MITSUBISHI BRASILEIRO S.A.					
Contrato 5/5/83	US \$			1.985	1.991
DRESDNER BANK A.G.					
Contrato 2/2/83	DM	33.150	21.842	1.989	1.998
Contrato 4/12/85	DM	9.000	5.930	1.991	1.995
BANCO ECONOMICO S.A.					
Contrato 22/6/83	Cr \$	700	1	1.988	1.998
ROYAL BANK OF CANADA LTD Barbados					
Contrato 27/6/83	US \$	20.000	20.000	1.986	1.991
BADERN					
Contrato 2/8/83	Cr \$	3.346	3	1.988	1.998
BANK OF MONTREAL Bahamas					
Contrato 14/2/84	CAN \$	19.065	16.508	1.986	1.992
THE BANK OF TOKIO LTD. EUA.					
Contrato 28/5/84	US \$	40.000	40.000	1.986	1.992
THE CHASE MANHATTAN BANK N.A. INGLATERRA					
Contrato 28/9/84	US \$	48.000	48.000	1.989	1.993
Contrato 28/9/84	CAN \$	10.000	8.659	1.989	1.993
Contrato 26/6/85	US \$	119.000	119.000	1.990	1.994
Contrato 26/6/85	Fr B	221.164	7.085	1.990	1.994
BARCLAYS BANK INTER. LTD. INGLATERRA.					
Contrato 14/11/84	US \$	32.000	32.000	1.989	1.993
BANCO NACIONAL S.A.					
Contrato 24/7/85	Cr \$	394		1.989	1.998
Contrato 12/1/89	Cr \$	41.815	39	1.990	1.999
MORGAN GUARANTY T. Co of NY&EXIM BANK					
Contrato 15/11/85	US \$	8.500	8.500	1.990	1.994
MORGAN GUARANTY T. Co of NY. EUA					
Contrato 15/11/85	US \$	1.500	1.500	1.990	1.994
BANQ. NMB INTERUNION FRANCIA					
Contrato 5/12/85	US \$	12.000	12.000	1.991	1.995
SOCIETE GENERALE FRANCIA					
Contrato 6/12/85	US \$	10.000	10.000	1.990	1.994

ELECTROCONSULT Sp A Contrato 10/3/86	US \$	8.500	8.500	1.990	1.995
Contrato 10/3/86	US \$			1.990	1.991
Contrato 13/1/88	US \$	1.125	1.125	1.992	1.993
Contrato 13/1/88	US \$	5.100	5.100	1.991	1.995
Contrato 13/1/88	US \$	1.275	1.275	1.992	1.993
CHASE MANHATTAN S.A. Contrato 1/7/83	US \$	12.000	12.000	1.986	1.991
UNION BANK SWITZERL. SUIZA Contrato 19/8/87	Sw F	25.000	18.453	1.992	1.994
EUROPEAN BRAZILIAN BANK EUROBRAZ. Contrato 17/8/87	US \$	15.000	15.000	1.992	1.994
BANK OF AMERICAN NAT TRUST&SAVINGS ASSOC Contrato 6/11/81	US \$	15.000	15.000	1.985	1.994
CONTRATOS CON OTRAS GARANTIAS					
CITIBANK N.A.S.Pablo Contrato 12/11/85	US \$	1.333	1.333	1.989	1.991
BANCO NACIONAL S.A. Contrato 13/12/82	US \$	6.000	6.000	1.986	1.990
LLOYDS BANK INTERN. LTD. INGLATERRA. Contrato 9/7/80	US \$	20.000	20.000	1.985	1.990
Contrato 28/6/82	US \$	10.000	10.000	1.986	1.990
Contrato 22/6/83	US \$	14.000	14.000	1.987	1.991
BANCO DE MONTREAL INVESTIMENTO S.A. Contrato 2/2/87	US \$	750	750	1.990	1.994
BANCO REAL S.A. DE INGLATERRA Contrato 8/10/82	US \$	15.000	15.000	1.986	1.990
Contrato 18/1/82	US \$	15.000	15.000	1.986	1.990
BANCO INTERATLANTICO DE INVESTIMENTOS Contrato 28/10/82	US \$			1.985	1.990
CITIBANK N.A. EUA Contrato 30/8/82	US \$	20.000	20.000	1.986	1.990
BANCO LATINO AMERIC. DE EXPORTACIONES Panamá Contrato 23/8/82	US \$	2.000	2.000	1.986	1.990
BANCO SOGERAL S.A. Contrato 13/7/87	US \$	374	374	1.992	1.994

MORGAN GUARANTY T. Co OF N.Y.INGLATERRA Contrato 1/4/83	US \$	3.000	3.000	1.987	1.991
LLOYDS BANK INTERN. LTD. SAO PAULO Contrato 17/6/86	US \$	2.849	2.849	1.987	1.992
Contrato 17/8/87	US \$	3.052	3.052	1.987	1.991
CITIBANK Asunción Contrato 1/4/83	US \$	29.600	29.600	1.987	1.991

	POTENCIA CONTRATADA POR EMPRESAS					POTENCIA ADQUIRIDA POR EMPRESAS.				
	ANDE	FURNAS	LETROSU	TOTAL	POTENCIA	ANDE	FURNAS	LETROSU	TOTAL	POTENCIA
	(MW)	(MW)	(MW)	(MW)	INSTALADA (MW)	(MW)	(MW)	(MW)	(MW)	INSTALADA (MW)
mar-85	30	478	96	604	1.400	28,796	460,921	92,570	582,287	1.400
abr-85	30	478	96	604	1.400	30,029	478,000	96,000	604,029	1.400
may-85	30	478	96	604	1.400	29,921	472,464	94,888	597,273	1.400
jun-85	30	478	96	604	1.400	30,202	477,734	95,947	603,883	1.400
jul-85	30	480	96	606	1.400	29,922	479,129	95,826	604,877	1.400
ago-85	30	1.017	202	1.249	1.400	29,990	1.015,164	201,635	1.246,789	1.400
sep-85	30	1.017	202	1.249	2.100	29,978	1.014,473	201,498	1.245,949	2.100
oct-85	30	1.017	202	1.249	2.100	30,501	1.014,228	201,450	1.246,179	2.100
nov-85	30	1.556	309	1.895	2.100	30,166	1.530,055	303,848	1.864,069	2.100
dic-85	30	1.556	309	1.895	2.100	29,857	1.554,733	308,748	1.893,338	2.100
SUBTOT. 85	300	8.555	1.704	10.559	16.800	299,362	8.496,901	1.692,410	10.488,673	16.800
ene-86	50	1.554	306	1.910	2.800	49,966	1.552,563	305,717	1.908,246	2.800
feb-86	50	1.554	306	1.910	2.800	49,893	1.552,571	305,719	1.908,183	2.800
mar-86	50	1.554	306	1.910	2.800	55,285	1.551,157	305,440	1.911,882	2.800
abr-86	50	1.554	306	1.910	2.800	49,999	1.549,839	305,181	1.905,019	2.800
may-86	50	1.554	306	1.910	2.800	50,008	1.553,817	305,964	1.909,789	2.800
jun-86	50	2.093	413	2.556	2.800	52,391	2.092,590	412,919	2.557,900	2.800
jul-86	50	2.093	413	2.556	2.800	50,080	2.090,599	412,526	2.553,205	2.800
ago-86	50	2.093	413	2.556	2.800	50,030	2.092,263	412,855	2.555,148	2.800
sep-86	50	2.093	413	2.556	2.800	49,996	2.027,784	400,132	2.477,912	2.800
oct-86	50	2.093	413	2.556	2.800	50,000	2.086,721	411,761	2.548,482	2.800
nov-86	50	2.093	413	2.556	2.800	49,957	2.090,945	412,595	2.553,497	2.800
dic-86	50	2.093	413	2.556	2.800	49,694	2.087,196	411,855	2.548,745	2.800
SUBTOT. 86	600	22.421	4.421	27.442	33.600	607,299	22.328,045	4.402,664	27.338,008	33.600
ene-87	90	2.638	531	3.259	4.200	90,000	2.628,382	529,064	3.247,446	4.200
feb-87	90	2.638	531	3.259	4.200	90,000	2.622,876	527,956	3.240,832	4.200
mar-87	90	2.638	531	3.259	4.200	91,357	2.636,078	530,613	3.258,048	4.200
abr-87	90	2.638	531	3.259	4.200	90,354	2.637,004	530,800	3.258,158	4.200
may-87	90	3.187	642	3.919	4.900	91,485	3.184,580	641,512	3.917,577	4.900
jun-87	90	3.187	642	3.919	4.900	91,461	3.181,338	640,859	3.913,658	4.900
jul-87	90	3.733	753	4.576	5.600	90,789	3.731,522	751,700	4.574,011	5.600
ago-87	90	4.270	861	5.221	5.600	97,641	4.270,000	861,000	5.228,641	5.600
sep-87	90	4.270	861	5.221	5.600	98,020	4.264,727	859,937	5.222,684	5.600
oct-87	90	4.270	861	5.221	5.600	95,680	3.697,121	744,772	4.537,573	5.600
nov-87	90	4.270	861	5.221	6.300	102,042	4.256,827	858,344	5.217,213	6.300
dic-87	90	4.380	973	5.443	6.300	103,969	4.818,406	970,664	5.893,039	6.300
SUBTOT. 87	1.080	42.119	8.578	51.777	61.600	1.132,798	41.928,861	8.447,221	51.508,880	61.600
ene-88	90	3.721	715	4.526	6.300	97,030	3.718,373	714,495	4.529,898	6.300
feb-88	90	3.721	715	4.526	7.000	94,928	3.716,316	714,100	4.525,344	7.000

mar-88	90	3.721	715	4.526	7.000	109,848	3.707,921	712,487	4.530,256	7.000
abr-88	100	4.269	821	5.190	7.000	106,505	4.259,638	819,200	5.185,343	7.000
may-88	100	4.269	821	5.190	7.000	108,723	4.263,025	819,851	5.191,599	7.000
jun-88	100	4.269	821	5.190	7.700	122,319	4.250,542	817,451	5.190,312	7.700
jul-88	100	4.269	821	5.190	7.700	105,507	4.269,000	821,000	5.195,507	7.700
ago-88	110	4.783	920	5.813	8.400	111,043	4.782,790	919,960	5.813,793	8.400
sep-88	110	4.783	920	5.813	8.400	110,042	4.781,181	919,650	5.810,873	8.400
oct-88	110	4.802	923	5.835	8.400	110,067	4.801,346	922,874	5.834,287	8.400
nov-88	110	4.802	923	5.835	8.400	110,194	4.802,000	923,000	5.835,194	8.400
dic-88	110	4.802	923	5.835	8.400	110,375	4.802,000	923,000	5.835,375	8.400
SUBTOT.88	1.220	52.211	10.038	63.469	91.700	1.296,581	52.154,132	10.027,068	63.477,781	91.700
ene-89	120	4.723	992	5.835	9.100	121,124	4.723,000	992,000	5.836,124	9.100
feb-89	120	4.741	996	5.857	9.100	120,223	4.741,000	996,000	5.857,223	9.100
mar-89	150	5.228	1.105	6.483	9.100	150,000	5.257,255	1.104,844	6.512,099	9.100
abr-89	150	5.272	1.108	6.530	9.800	149,968	5.261,029	1.105,694	6.516,691	9.800
may-89	150	5.278	1.109	6.537	9.800	150,000	5.278,000	1.109,000	6.537,000	9.800
jun-89	150	5.278	1.109	6.537	9.800	150,000	5.278,000	1.109,000	6.537,000	9.800
jul-89	150	5.826	1.224	7.200	10.500	150,000	5.826,000	1.224,000	7.200,000	10.500
ago-89	150	5.826	1.224	7.200	10.500	149,993	5.826,000	1.224,000	7.199,993	10.500
sep-89	160	5.826	1.224	7.210	10.500	159,989	5.826,000	1.224,000	7.209,989	10.500
oct-89	160	6.341	1.332	7.833	10.500	160,000	6.341,000	1.332,000	7.833,000	10.500
nov-89	160	6.341	1.332	7.833	10.500	160,000	6.341,000	1.332,000	7.833,000	10.500
dic-89	160	6.341	1.332	7.833	10.500	160,148	6.341,000	1.332,000	7.833,148	10.500
SUBTOT.89	1.780	67.021	14.087	82.888	119.700	1.781,445	67.039,284	14.084,538	82.905,267	119.700
ene-90	160	6.831	1.430	8.421	10.500	160,704	6.831,000	1.430,000	8.421,704	10.500
feb-90	160	6.847	1.433	8.440	10.500	160,378	6.847,000	1.433,000	8.440,378	10.500
mar-90	160	6.871	1.438	8.469	10.500	160,000	6.871,000	1.438,000	8.469,000	10.500
abr-90	160	6.871	1.438	8.469	10.500	160,244	6.871,000	1.438,000	8.469,244	10.500
may-90	160	6.877	1.439	8.476	10.500	160,083	6.877,000	1.439,000	8.476,083	10.500
jun-90	160	6.889	1.442	8.491	10.500	164,493	6.889,000	1.442,000	8.495,493	10.500
jul-90	160	6.872	1.439	8.471	11.200	164,026	6.871,767	1.438,951	8.474,744	11.200
ago-90	160	6.872	1.439	8.471	11.200	163,096	6.872,000	1.439,000	8.474,096	11.200
sep-90	160	7.401	1.549	9.110	11.200	163,486	7.401,000	1.549,000	9.113,486	11.200
oct-90	160	7.405	1.550	9.115	11.200	166,155	7.405,000	1.550,000	9.121,155	11.200
nov-90	160	7.377	1.544	9.081	11.200	171,304	7.377,000	1.544,000	9.092,304	11.200
dic-90	160	7.369	1.542	9.071	11.200	164,614	7.369,000	1.542,000	9.075,614	11.200
SUBTOT.90	1.920	84.482	17.683	104.085	130.200	1.958,583	84.481,767	17.682,951	104.123,301	130.200
ene-91	160	7.941	1.699	9.800	11.900	163,176	7.941	1.699	9.803,176	11.900
feb-91	160	7.941	1.699	9.800	11.900	164,263	7.941	1.699	9.804,263	11.900
mar-91	160	7.941	1.699	9.800	11.900	170,123	7.941	1.699	9.810,123	11.900
abr-91	170	8.518	1.822	10.510	12.600	179,327	8.518	1.822	10.519,327	12.600
may-91	170	8.518	1.822	10.510	12.600	179,066	8.518	1.822	10.519,066	12.600
jun-91	170	8.518	1.822	10.510	12.600	178,070	8.518	1.822	10.518,070	12.600
jul-91	175	8.514	1.821	10.510	12.600	181,304	8.514	1.821	10.516,304	12.600
ago-91	175	8.506	1.819	10.500	12.600	177,691	8.506	1.819	10.502,691	12.600

sep-91	175	8.506	1.819	10.500	12.600	178,228	8.506	1.819	10.503,228	12.600
oct-91	180	8.501	1.819	10.500	12.600	181,546	8.501	1.819	10.501,546	12.600
nov-91	180	8.449	1.807	10.436	12.600	180,633	8.449	1.807	10.436,633	12.600
dic-91	180	8.449	1.807	10.436	12.600	181,332	8.449	1.807	10.437,332	12.600
SUBTOT.91	2.055	100.302	21.455	123.812	149.100	2.114,759	100.302	21.455	123.871,759	149.100
TOTAL	8.955	377.111	77.966	464.032	602.700	9.190,827	376.730,990	77.791,852	463.713,669	#1 VALOR!

	POTENCIA ADQUIRIDA POR PAIS			POTENCIA NO CONTRATADA					
	PARAGUA	BRASIL	TOTAL	PARAGUA	BRASIL	POTENCIA	POTENCIA	POT. NO	OTENC. NO
	(MW)	(MW)	(MW)	(porcentaje)	(porcentaje)	INSTALAD.	CONTRAT.	CONTRAT.	CONTRAT.
						(MW)	(MW)	(MW)	COMO % DE POTENCIA INSTALADA
mar-85	28,796	553,491	582,287	4,95%	95,05%	1.400	604	796	56,86%
abr-85	30,029	574,000	604,029	4,97%	95,03%	1.400	604	796	56,86%
may-85	29,921	567,352	597,273	5,01%	94,99%	1.400	604	796	56,86%
jun-85	30,202	573,681	603,883	5,00%	95,00%	1.400	604	796	56,86%
jul-85	29,922	574,955	604,877	4,95%	95,05%	1.400	604	796	56,86%
ago-85	29,990	1.216,799	1.246,789	2,41%	97,59%	1.400	1.249	151	10,79%
sep-85	29,978	1.215,971	1.245,949	2,41%	97,59%	2.100	1.249	851	40,52%
oct-85	30,501	1.215,678	1.246,179	2,45%	97,55%	2.100	1.249	851	40,52%
nov-85	30,166	1.833,903	1.864,069	1,62%	98,38%	2.100	1.895	205	9,76%
dic-85	29,857	1.863,481	1.893,338	1,58%	98,42%	2.100	1.895	205	9,76%
SUBTOT. 85	299,362	10.189,311	10.488,673	2,85%	97,15%	16.800	10.559	6.241	37,15%
ene-86	49,966	1.858,280	1.908,246	2,62%	97,38%	2.800	1.910	890	31,79%
feb-86	49,893	1.858,290	1.908,183	2,61%	97,39%	2.800	1.910	890	31,79%
mar-86	55,285	1.856,597	1.911,882	2,89%	97,11%	2.800	1.910	890	31,79%
abr-86	49,999	1.855,020	1.905,019	2,62%	97,38%	2.800	1.910	890	31,79%
may-86	50,008	1.859,781	1.909,789	2,62%	97,38%	2.800	1.910	890	31,79%
jun-86	52,391	2.505,509	2.557,900	2,05%	97,95%	2.800	2.556	244	8,71%
jul-86	50,080	2.503,125	2.553,205	1,96%	98,04%	2.800	2.556	244	8,71%
ago-86	50,030	2.505,118	2.555,148	1,96%	98,04%	2.800	2.556	244	8,71%
sep-86	49,996	2.427,916	2.477,912	2,02%	97,98%	2.800	2.556	244	8,71%
oct-86	50,000	2.498,482	2.548,482	1,96%	98,04%	2.800	2.556	244	8,71%
nov-86	49,957	2.503,540	2.553,497	1,96%	98,04%	2.800	2.556	244	8,71%
dic-86	49,694	2.499,051	2.548,745	1,95%	98,05%	2.800	2.556	244	8,71%
SUBTOT. 86	607,299	26.730,709	27.338,008	2,22%	97,78%	33.600	27.442	6.158	18,33%
ene-87	90,000	3.157,446	3.247,446	2,77%	97,23%	4.200	3.259	941	22,40%
feb-87	90,000	3.150,832	3.240,832	2,78%	97,22%	4.200	3.259	941	22,40%
mar-87	91,357	3.166,691	3.258,048	2,80%	97,20%	4.200	3.259	941	22,40%
abr-87	90,354	3.167,804	3.258,158	2,77%	97,23%	4.200	3.259	941	22,40%
may-87	91,485	3.826,092	3.917,577	2,34%	97,66%	4.900	3.919	981	20,02%
jun-87	91,461	3.822,197	3.913,658	2,34%	97,66%	4.900	3.919	981	20,02%
jul-87	90,789	4.483,222	4.574,011	1,98%	98,02%	5.600	5.113	487	8,70%
ago-87	97,641	5.131,000	5.228,641	1,87%	98,13%	5.600	5.221	379	6,77%
sep-87	98,020	5.124,664	5.222,684	1,88%	98,12%	5.600	5.221	379	6,77%
oct-87	95,680	4.441,893	4.537,573	2,11%	97,89%	5.600	5.221	379	6,77%
nov-87	102,042	5.115,171	5.217,213	1,96%	98,04%	6.300	5.221	1.079	17,13%
dic-87	103,969	5.789,070	5.893,039	1,76%	98,24%	6.300	5.443	857	13,60%
SUBTOT. 87	1.132,798	50.376,082	51.508,880	2,20%	97,80%	61.600	52.314	9.286	15,07%

ene-88	97,030	4.432,868	4.529,898	2,14%	97,86%	6.300	4.526	1.774	28,16%
feb-88	94,928	4.430,416	4.525,344	2,10%	97,90%	7.000	4.526	2.474	35,34%
mar-88	109,848	4.420,408	4.530,256	2,42%	97,58%	7.000	4.526	2.474	35,34%
abr-88	106,505	5.078,838	5.185,343	2,05%	97,95%	7.000	5.190	1.810	25,86%
may-88	108,723	5.082,876	5.191,599	2,09%	97,91%	7.000	5.190	1.810	25,86%
jun-88	122,319	5.067,993	5.190,312	2,36%	97,64%	7.700	5.190	2.510	32,60%
jul-88	105,507	5.090,000	5.195,507	2,03%	97,97%	7.700	5.190	2.510	32,60%
ago-88	111,043	5.702,750	5.813,793	1,91%	98,09%	8.400	5.803	2.597	30,92%
sep-88	110,042	5.700,831	5.810,873	1,89%	98,11%	8.400	5.803	2.597	30,92%
oct-88	110,067	5.724,220	5.834,287	1,89%	98,11%	8.400	5.825	2.575	30,65%
nov-88	110,194	5.725,000	5.835,194	1,89%	98,11%	8.400	5.825	2.575	30,65%
dic-88	110,375	5.725,000	5.835,375	1,89%	98,11%	8.400	5.825	2.575	30,65%
SUBTOT.88	1.296,581	62.181,200	63.477,781	2,04%	97,96%	91.700	63.419	28.281	30,84%
ene-89	121,124	5.715,000	5.836,124	2,08%	97,92%	9.100	5.835	3.265	35,88%
feb-89	120,223	5.737,000	5.857,223	2,05%	97,95%	9.100	5.857	3.243	35,64%
mar-89	150,000	6.362,099	6.512,099	2,30%	97,70%	9.100	6.483	2.617	28,76%
abr-89	149,968	6.366,723	6.516,691	2,30%	97,70%	9.800	6.530	3.270	33,37%
may-89	150,000	6.387,000	6.537,000	2,29%	97,71%	9.800	6.537	3.263	33,30%
jun-89	150,000	6.387,000	6.537,000	2,29%	97,71%	9.800	6.537	3.263	33,30%
jul-89	150,000	7.050,000	7.200,000	2,08%	97,92%	10.500	7.200	3.300	31,43%
ago-89	149,993	7.050,000	7.199,993	2,08%	97,92%	10.500	7.200	3.300	31,43%
sep-89	159,989	7.050,000	7.209,989	2,22%	97,78%	10.500	7.210	3.290	31,33%
oct-89	160,000	7.673,000	7.833,000	2,04%	97,96%	10.500	7.833	2.667	25,40%
nov-89	160,000	7.673,000	7.833,000	2,04%	97,96%	10.500	7.833	2.667	25,40%
dic-89	160,148	7.673,000	7.833,148	2,04%	97,96%	10.500	7.833	2.667	25,40%
SUBTOT.89	1.781,445	81.123,822	82.905,267	2,15%	97,85%	119.700	82.888	36.812	30,75%
ene-90	160,704	8.261,000	8.421,704	1,91%	98,09%	10.500	8.421	2.079	19,80%
feb-90	160,378	8.280,000	8.440,378	1,90%	98,10%	10.500	8.440	2.060	19,62%
mar-90	160,000	8.309,000	8.469,000	1,89%	98,11%	10.500	8.469	2.031	19,34%
abr-90	160,244	8.309,000	8.469,244	1,89%	98,11%	10.500	8.469	2.031	19,34%
may-90	160,083	8.316,000	8.476,083	1,89%	98,11%	10.500	8.476	2.024	19,28%
jun-90	164,493	8.331,000	8.495,493	1,94%	98,06%	10.500	8.491	2.009	19,13%
jul-90	164,026	8.310,718	8.474,744	1,94%	98,06%	11.200	8.471	2.729	24,37%
ago-90	163,096	8.311,000	8.474,096	1,92%	98,08%	11.200	8.471	2.729	24,37%
sep-90	163,486	8.950,000	9.113,486	1,79%	98,21%	11.200	9.110	2.090	18,66%
oct-90	166,155	8.955,000	9.121,155	1,82%	98,18%	11.200	9.115	2.085	18,62%
nov-90	171,304	8.921,000	9.092,304	1,88%	98,12%	11.200	9.081	2.119	18,92%
dic-90	164,614	8.911,000	9.075,614	1,81%	98,19%	11.200	9.071	2.129	19,01%
SUBTOT.90	1.958,583	102.164,718	104.123,301	1,88%	98,12%	130.200	104.085	26.115	20,06%
ene-91	163,176	9.640	9.803,176	1,66%	98,34%	11.900	9.800	2.100	17,65%
feb-91	164,263	9.640	9.804,263	1,68%	98,32%	11.900	9.800	2.100	17,65%
mar-91	170,123	9.640	9.810,123	1,73%	98,27%	11.900	9.800	2.100	17,65%
abr-91	179,327	10.340	10.519,327	1,70%	98,30%	12.600	10.510	2.090	16,59%
may-91	179,066	10.340	10.519,066	1,70%	98,30%	12.600	10.510	2.090	16,59%

jun-91	178,070	10.340	10.518,070	1,69 %	98,31 %	12.600	10.510	2.090	16,59 %
jul-91	181,304	10.335	10.516,304	1,72 %	98,28 %	12.600	10.510	2.090	16,59 %
ago-91	177,691	10.325	10.502,691	1,69 %	98,31 %	12.600	10.500	2.100	16,67 %
sep-91	178,228	10.325	10.503,228	1,70 %	98,30 %	12.600	10.500	2.100	16,67 %
oct-91	181,546	10.320	10.501,546	1,73 %	98,27 %	12.600	10.500	2.100	16,67 %
nov-91	180,633	10.256	10.436,633	1,73 %	98,27 %	12.600	10.436	2.164	17,17 %
dic-91	181,332	10.256	10.437,332	1,74 %	98,26 %	12.600	10.436	2.164	17,17 %
SUBTOT.91	2.114,759	121.757	123.871,759	1,71 %	98,29 %	149.100	123.812	25.288	16,96 %

	ENERGIA GENERADA POR EMPRESA				ENERGIA GENERADA POR EMPRESA.		
	ANDE	FURNAS	ELETROSUL	TOTAL	ANDE	FURNAS	ELETROSUL
	(MWh)	(MWh)	(MWh)	(MWh)	(porcentaje)	(porcentaje)	(porcentaje)
mar-85	44.427,010	236.116,324	36.557,166	317.100,500	14,01%	74,46%	11,53%
abr-85	28.287,010	509.836,852	51.148,288	589.272,150	4,80%	86,52%	8,68%
may-85	33.376,359	143.194,330	27.972,161	204.542,850	16,32%	70,01%	13,68%
jun-85	33.174,798	158.450,750	31.823,342	223.448,890	14,85%	70,91%	14,24%
jul-85	30.582,610	248.521,750	49.004,070	328.108,430	9,32%	75,74%	14,94%
ago-85	27.513,800	664.308,756	120.661,014	812.483,570	3,39%	81,76%	14,85%
sep-85	23.816,420	787.590,724	135.567,856	946.975,000	2,51%	83,17%	14,32%
oct-85	24.704,178	699.534,411	124.872,868	849.111,457	2,91%	82,38%	14,71%
nov-85	23.794,450	725.315,380	140.897,438	890.007,268	2,67%	81,50%	15,83%
dic-85	45.076,900	755.354,441	149.998,950	950.430,291	4,74%	79,47%	15,78%
SUBTOT. 85	314.753,535	4.928.223,718	868.503,153	6.111.480,406	5,15%	80,64%	14,21%
ene-86	46.238,500	875.933,810	172.455,740	1.094.628,050	4,22%	80,02%	15,75%
feb-86	41.650,867	981.581,665	192.356,971	1.215.589,503	3,43%	80,75%	15,82%
mar-86	47.940,367	1.275.021,476	227.558,267	1.550.520,110	3,09%	82,23%	14,68%
abr-86	44.760,073	1.230.421,036	219.735,281	1.494.916,390	2,99%	82,31%	14,70%
may-86	51.988,490	1.330.931,939	227.642,551	1.610.562,980	3,23%	82,64%	14,13%
jun-86	50.629,180	1.641.384,144	297.293,676	1.989.307,000	2,55%	82,51%	14,94%
jul-86	51.286,500	1.668.251,840	306.911,160	2.026.449,500	2,53%	82,32%	15,15%
ago-86	50.614,320	1.789.788,656	307.155,524	2.147.558,500	2,36%	83,34%	14,30%
sep-86	48.957,120	1.589.346,479	288.086,801	1.926.390,400	2,54%	82,50%	14,95%
oct-86	50.524,000	1.756.344,874	305.930,126	2.112.799,000	2,39%	83,13%	14,48%
nov-86	48.929,040	1.745.568,814	297.060,042	2.091.557,896	2,34%	83,46%	14,20%
dic-86	50.559,264	2.152.488,599	306.633,568	2.509.681,431	2,01%	85,77%	12,22%
SUBTOT. 86	584.077,721	18.037.063,332	3.148.819,707	21.769.960,760	2,68%	82,85%	14,46%
ene-87	80.352,000	2.522.734,532	393.621,869	2.996.708,401	2,68%	84,18%	13,14%
feb-87	71.731,500	1.970.518,132	355.312,645	2.397.562,277	2,99%	82,19%	14,82%
mar-87	83.654,129	2.196.624,960	394.774,394	2.675.053,483	3,13%	82,12%	14,76%
abr-87	80.635,000	2.188.046,941	382.174,012	2.650.855,953	3,04%	82,54%	14,42%
may-87	84.104,500	1.885.216,550	379.770,354	2.349.091,404	3,58%	80,25%	16,17%
jun-87	81.197,000	1.833.029,659	369.257,486	2.283.484,145	3,56%	80,27%	16,17%
jul-87	82.286,849	2.016.300,174	406.176,697	2.504.763,720	3,29%	80,50%	16,22%
ago-87	86.036,904	2.844.059,978	573.459,823	3.503.556,705	2,46%	81,18%	16,37%
sep-87	83.534,400	2.939.501,858	592.704,172	3.615.740,430	2,31%	81,30%	16,39%
oct-87	88.196,000	2.564.795,861	515.246,221	3.168.238,082	2,78%	80,95%	16,26%
nov-87	90.746,500	2.785.125,272	559.441,706	3.435.313,478	2,64%	81,07%	16,29%
dic-87	91.670,500	3.299.839,639	662.969,192	4.054.479,331	2,26%	81,39%	16,35%
SUBTOT. 87	1.004.145,282	29.045.793,556	5.584.908,571	35.634.847,409	2,82%	81,51%	15,67%
ene-88	102.558,500	2.407.899,973	460.231,115	2.970.689,588	3,45%	81,06%	15,49%

feb-88	91.658,500	1.972.450,193	378.526,556	2.442.635,249	3,75%	80,75%	15,50%
mar-88	114.095,500	1.923.594,343	369.392,527	2.407.082,370	4,74%	79,91%	15,35%
abr-88	104.221,500	2.543.385,853	487.999,054	3.135.606,407	3,32%	81,11%	15,56%
may-88	108.455,000	2.419.742,850	463.259,988	2.991.457,838	3,63%	80,89%	15,49%
jun-88	114.303,500	2.141.241,290	409.022,122	2.664.566,912	4,29%	80,36%	15,35%
jul-88	104.727,000	2.617.513,271	500.121,605	3.222.361,876	3,25%	81,23%	15,52%
ago-88	97.421,500	2.981.604,359	573.256,932	3.652.282,791	2,67%	81,64%	15,70%
sep-88	112.124,500	3.085.955,452	593.230,430	3.791.310,382	2,96%	81,40%	15,65%
oct-88	107.725,500	3.191.293,492	613.481,326	3.912.500,318	2,75%	81,57%	15,68%
nov-88	104.574,500	2.780.843,428	534.577,424	3.419.995,352	3,06%	81,31%	15,63%
dic-88	108.817,000	3.049.935,972	586.080,327	3.744.833,299	2,91%	81,44%	15,65%
SUBTOT.88	1.270.682,500	31.115.460,476	5.969.179,406	38.355.322,382	3,31%	81,12%	15,56%
ene-89	117.981,000	3.008.651,240	555.979,211	3.682.611,451	3,20%	81,70%	15,10%
feb-89	107.394,000	1.666.922,222	307.595,623	2.081.911,845	5,16%	80,07%	14,77%
mar-89	133.102,500	2.206.236,753	412.123,632	2.751.462,885	4,84%	80,18%	14,98%
abr-89	128.165,000	2.974.821,776	558.971,164	3.661.957,940	3,50%	81,24%	15,26%
may-89	125.412,500	3.032.955,940	566.506,780	3.724.875,220	3,37%	81,42%	15,21%
jun-89	111.781,500	3.408.316,248	636.617,973	4.156.715,721	2,69%	82,00%	15,32%
jul-89	126.421,000	3.772.136,874	792.575,309	4.691.133,183	2,69%	80,41%	16,90%
ago-89	123.579,500	3.361.538,784	634.326,876	4.119.445,160	3,00%	81,60%	15,40%
sep-89	125.380,000	3.290.279,524	620.937,315	4.036.596,839	3,11%	81,51%	15,38%
oct-89	136.230,500	3.693.194,127	703.092,149	4.532.516,776	3,01%	81,48%	15,51%
nov-89	132.370,500	3.855.200,767	733.950,482	4.721.521,749	2,80%	81,65%	15,54%
dic-89	141.085,000	3.973.942,553	756.202,372	4.871.229,925	2,90%	81,58%	15,52%
SUBTOT.89	1.508.903,000	38.244.196,808	7.278.878,886	47.031.978,694	3,21%	81,32%	15,48%
ene-90	140.546,000	2.876.553,750	602.124,399	3.619.224,149	3,88%	79,48%	16,64%
feb-90	130.115,000	3.103.169,108	649.559,857	3.882.843,965	3,35%	79,92%	16,73%
mar-90	143.152,000	4.484.390,326	938.679,084	5.566.221,410	2,57%	80,56%	16,86%
abr-90	137.833,000	3.392.077,718	710.034,625	4.239.945,343	3,25%	80,00%	16,75%
may-90	143.837,000	3.289.909,808	688.648,691	4.122.395,499	3,49%	79,81%	16,71%
jun-90	143.540,500	3.469.618,639	726.265,604	4.339.424,743	3,31%	79,96%	16,74%
jul-90	144.319,631	3.798.413,030	795.089,322	4.737.821,983	3,05%	80,17%	16,78%
ago-90	139.758,500	3.518.768,734	736.553,773	4.395.081,007	3,18%	80,06%	16,76%
sep-90	138.012,000	3.594.949,945	725.500,134	4.458.462,079	3,10%	80,63%	16,27%
oct-90	157.183,564	3.489.203,130	730.365,057	4.376.751,751	3,59%	79,72%	16,69%
nov-90	162.003,573	3.329.240,575	696.881,464	4.188.125,612	3,87%	79,49%	16,64%
dic-90	160.292,500	3.875.270,109	811.177,157	4.846.739,766	3,31%	79,96%	16,74%
SUBTOT.90	1.740.593,268	42.221.564,872	8.810.879,167	52.773.037,307	3,30%	80,01%	16,70%
ene-91	164.713,867	4.531.589,213	969.380,965	5.665.684,045	2,91%	79,98%	17,11%
feb-91	152.427,393	2.739.975,304	586.125,480	3.478.528,177	4,38%	78,77%	16,85%
mar-91	175.705,500	3.945.467,343	630.083,563	4.751.256,406	3,70%	83,04%	13,26%
abr-91	166.702,000	2.763.070,711	591.065,965	3.520.838,676	4,73%	78,48%	16,79%
may-91	167.274,500	3.266.006,466	698.652,139	4.131.933,105	4,05%	79,04%	16,91%
jun-91	161.589,000	3.782.746,656	809.191,308	4.753.526,964	3,40%	79,58%	17,02%
jul-91	168.882,000	4.200.799,706	898.619,685	5.268.301,391	3,21%	79,74%	17,06%

ago-91	155.601,000	4.429.428,264	947.527,069	5.532.556,333	2,81 %	80,06 %	17,13 %
sep-91	146.260,500	4.403.462,843	941.972,641	5.491.695,984	2,66 %	80,18 %	17,15 %
oct-91	159.279,300	4.283.258,004	916.258,862	5.358.796,166	2,97 %	79,93 %	17,10 %
nov-91	164.047,000	4.297.319,197	919.266,781	5.380.632,978	3,05 %	79,87 %	17,08 %
dic-91	173.538,000	3.947.221,749	844.375,217	4.965.134,966	3,50 %	79,50 %	17,01 %
SUBTOT. 91	1.956.020,060	46.590.345,456	9.752.519,675	58.298.885,191	3,35 %	79,92 %	16,73 %
TOTAL	8.379.175,366	210.182.648,218	41.413.688,565	201.676.626,958			

PORCENTAJE DE ENERGIA GENERADA POR PAIS.

	PARAGUAY	BRASIL		PARAGUAY	BRASIL
			ene-88	3,45%	96,55%
			feb-88	3,75%	96,25%
mar-85	14,01%	85,99%	mar-88	4,74%	95,26%
abr-85	4,80%	95,20%	abr-88	3,32%	96,68%
may-85	16,32%	83,68%	may-88	3,63%	96,37%
jun-85	14,85%	85,15%	jun-88	4,29%	95,71%
jul-85	9,32%	90,68%	jul-88	3,25%	96,75%
ago-85	3,39%	96,61%	ago-88	2,67%	97,33%
sep-85	2,51%	97,49%	sep-88	2,96%	97,04%
oct-85	2,91%	97,09%	oct-88	2,75%	97,25%
nov-85	2,67%	97,33%	nov-88	3,06%	96,94%
dic-85	4,74%	95,26%	dic-88	2,91%	97,09%
UBTOT.8	5,15%	94,85%	SUBTOT.88	3,31%	96,69%
ene-86	4,22%	95,78%	ene-89	3,20%	96,80%
feb-86	3,43%	96,57%	feb-89	5,16%	94,84%
mar-86	3,09%	96,91%	mar-89	4,84%	95,16%
abr-86	2,99%	97,01%	abr-89	3,50%	96,50%
may-86	3,23%	96,77%	may-89	3,37%	96,63%
jun-86	2,55%	97,45%	jun-89	2,69%	97,31%
jul-86	2,53%	97,47%	jul-89	2,69%	97,31%
ago-86	2,36%	97,64%	ago-89	3,00%	97,00%
sep-86	2,54%	97,46%	sep-89	3,11%	96,89%
oct-86	2,39%	97,61%	oct-89	3,01%	96,99%
nov-86	2,34%	97,66%	nov-89	2,80%	97,20%
dic-86	2,01%	97,99%	dic-89	2,90%	97,10%
UBTOT.8	2,68%	97,32%	SUBTOT.89	3,21%	96,79%
ene-87	2,68%	97,32%	ene-90	3,88%	96,12%
feb-87	2,99%	97,01%	feb-90	3,35%	96,65%
mar-87	3,13%	96,87%	mar-90	2,57%	97,43%
abr-87	3,04%	96,96%	abr-90	3,25%	96,75%
may-87	3,58%	96,42%	may-90	3,49%	96,51%
jun-87	3,56%	96,44%	jun-90	3,31%	96,69%
jul-87	3,29%	96,71%	jul-90	3,05%	96,95%
ago-87	2,46%	97,54%	ago-90	3,18%	96,82%
sep-87	2,31%	97,69%	sep-90	3,10%	96,90%
oct-87	2,78%	97,22%	oct-90	3,59%	96,41%
nov-87	2,64%	97,36%	nov-90	3,87%	96,13%
dic-87	2,26%	97,74%	dic-90	3,31%	96,69%
UBTOT.8	2,82%	97,18%	SUBTOT.90	3,30%	96,70%

ene-91	2,91%	97,09%
feb-91	4,38%	95,62%
mar-91	3,70%	96,30%
abr-91	4,73%	95,27%
may-91	4,05%	95,95%
jun-91	3,40%	96,60%
jul-91	3,21%	96,79%
ago-91	2,81%	97,19%
sep-91	2,66%	97,34%
oct-91	2,97%	97,03%
nov-91	3,05%	96,95%
dic-91	3,50%	96,50%
UBTOT.9	3,36%	96,64%

AÑOS	ENERGIA DESPERDIC.	POTENCIA ADQUIRIDA	ENERGIA GENERADA	POTENCIA ADQUIRIDA	ENERGIA POTENCIAL	ENERGIA GENERADA	FACTOR DE CARGA
	(GWh)	(MW)	(MWh)	(GW)	(GWh)	(GWh)	(porcentaje)
mar-85	116,121	582,287	317.100,500	0,582287	433,222	317,101	73,2
abr-85	(154,371)	604,029	589.272.150	0,604029	434,901	589,272	135,5
may-85	239,828	597,273	204.542,850	0,597273	444,371	204,543	46,0
jun-85	211,347	603,883	223.448,890	0,603883	434,796	223,449	51,4
jul-85	121,920	604,877	328.108,430	0,604877	450,028	328,108	72,9
ago-85	115,127	1.246,789	812.483,570	1,246789	927,611	812,484	87,6
sep-85	(49,892)	1.245,949	946.975,000	1,245949	897,083	946,975	105,6
oct-85	78,046	1.246,179	849.111,457	1,246179	927,157	849,111	91,6
nov-85	452,122	1.864,069	890.007,268	1,864069	1.342,130	890,007	66,3
dic-85	458,213	1.893,338	950.430,291	1,893338	1.408,643	950,430	67,5
SUBTOT.85	1.696,462	10.488,673	6.003.480,406	10,488673	7.699,942	6.003,480	
ene-86	334,325	1.908,246	1.085.410,421	1,908246	1.419,735	1.085,410	76,5
feb-86	79,570	1.908,183	1.202.729,233	1,908183	1.282,299	1.202,729	93,8
mar-86	(1,857)	1.911,882	1.424.296,805	1,911882	1.422,440	1.424,297	100,1
abr-86	(0,050)	1.905,019	1.371.663,679	1,905019	1.371,614	1.371,664	100,0
may-86	0,000	1.909,789	1.420.883,016	1,909789	1.420,883	1.420,883	100,0
jun-86	0,000	2.557,900	1.841.688,000	2,5579	1.841,688	1.841,688	100,0
jul-86	0,000	2.553,205	1.899.584,520	2,553205	1.899,585	1.899,585	100,0
ago-86	0,000	2.555,148	1.901.030,112	2,555148	1.901,030	1.901,030	100,0
sep-86	0,000	2.477,912	1.784.096,640	2,477912	1.784,097	1.784,097	100,0
oct-86	2,548	2.548,482	1.893.522,126	2,548482	1.896,071	1.893,522	99,9
nov-86	0,000	2.553,497	1.838.517,840	2,553497	1.838,518	1.838,518	100,0
dic-86	(1,542)	2.548,745	1.897.807,848	2,548745	1.896,266	1.897,808	100,1
SUBTOT.86	412,995	27.338,008	19.561.230,240	27,338008	19.974,225	19.561,230	
ene-87	0,000	3.247,446	2.416.099,824	3,247446	2.416,100	2.416,100	100,0
feb-87	(3,151)	3.240,832	2.180.989,936	3,240832	2.177,839	2.180,990	100,1
mar-87	0,000	3.258,048	2.423.987,712	3,258048	2.423,988	2.423,988	100,0
abr-87	(0,090)	3.258,158	2.345.964,114	3,258158	2.345,874	2.345,964	100,0
may-87	90,586	3.917,577	2.824.091,744	3,917577	2.914,677	2.824,092	96,9
jun-87	549,695	3.913,658	2.268.139,065	3,913658	2.817,834	2.268,139	80,5
jul-87	818,000	4.574,011	2.585.063,887	4,574011	3.403,064	2.585,064	76,0
ago-87	399,944	5.228,641	3.490.164,705	5,228641	3.890,109	3.490,165	89,7
sep-87	157,552	5.222,684	3.602.780,430	5,222684	3.760,332	3.602,780	95,8
oct-87	232,216	4.537,573	3.143.738,000	4,537573	3.375,954	3.143,738	93,1
nov-87	349,304	5.217,213	3.407.089,177	5,217213	3.756,393	3.407,089	90,7
dic-87	353,631	5.893,039	4.030.790,000	5,893039	4.384,421	4.030,790	91,9
SUBTOT.87	2.947,687	51.508,880	34.718.898,594	51,50888	37.666,586	34.718,899	
ene-88	439,834	4.529,898	2.930.410,000	4,529898	3.370,244	2.930,410	86,9
feb-88	735,446	4.525,344	2.414.193,000	4,525344	3.149,639	2.414,193	76,7

mar-88	997,068	4.530,256	2.373.442,259	4,530256	3.370,510	2.373,442	70,4
abr-88	631,604	5.185,343	3.101.842,609	5,185343	3.733,447	3.101,843	83,1
may-88	909,280	5.191,599	2.953.270,000	5,191599	3.862,550	2.953,270	76,5
jun-88	1.112,901	5.190,312	2.624.124,000	5,190312	3.737,025	2.624,124	70,2
jul-88	686,569	5.195,507	3.178.888,000	5,195507	3.865,457	3.178,888	82,2
ago-88	699,963	5.813,793	3.625.498,791	5,813793	4.325,462	3.625,499	83,8
sep-88	425,878	5.810,873	3.757.950,503	5,810873	4.183,829	3.757,951	89,8
oct-88	455,539	5.834,287	3.885.170,429	5,834287	4.340,710	3.885,170	89,5
nov-88	807,896	5.835,194	3.393.443,247	5,835194	4.201,340	3.393,443	80,8
dic-88	625,780	5.835,375	3.715.739,291	5,835375	4.341,519	3.715,739	85,6
SUBTOT.88	8.527,759	63.477,781	37.953.972,129	63,477781	46.481,731	37.953,972	
ene-89	1.050,080	5.836,124	3.291.996,327	5,836124	4.342,076	3.291,996	75,8
feb-89	2.083,910	5.857,223	1.852.143,863	5,857223	3.936,054	1.852,144	47,1
mar-89	2.365,499	6.512,255	2.479.619,003	6,512255	4.845,118	2.479,619	51,4
abr-89	1.372,516	6.518,997	3.321.161,857	6,518997	4.693,678	3.321,162	70,6
may-89	1.502,551	6.537,000	3.360.976,789	6,537	4.863,528	3.360,977	69,1
jun-89	954,680	6.537,000	3.751.959,821	6,537	4.706,640	3.751,960	79,7
jul-89	692,952	7.200,000	4.663.848,398	7,2	5.356,800	4.663,848	87,1
ago-89	1.607,095	7.199,993	3.749.700,054	7,199993	5.356,795	3.749,700	70,0
sep-89	1.515,934	7.209,989	3.675.257,957	7,209989	5.191,192	3.675,258	70,8
oct-89	1.669,366	7.833,000	4.158.386,321	7,833	5.827,752	4.158,386	71,4
nov-89	1.306,701	7.833,000	4.333.058,519	7,833	5.639,760	4.333,059	76,8
dic-89	1.358,811	7.833,148	4.469.051,199	7,833148	5.827,862	4.469,051	76,7
SUBTOT.89	17.480,095	82.907,729	43.107.160,108	82,907729	60.587,255	43.107,160	
ene-90	2.673,308	8.421,704	3.592.440,139	8,421704	6.265,748	3.592,440	57,3
feb-90	1.813,282	8.440,378	3.858.651,965	8,440378	5.671,934	3.858,652	68,0
mar-90	761,535	8.469,000	5.539.401,410	8,469	6.300,936	5.539,401	87,9
abr-90	1.890,310	8.469,244	4.207.545,343	8,469244	6.097,856	4.207,545	69,0
may-90	2.217,290	8.476,083	4.088.915,499	8,476083	6.306,206	4.088,915	64,8
jun-90	1.809,730	8.495,493	4.307.024,743	8,495493	6.116,755	4.307,025	70,4
jul-90	1.607,716	8.474,744	4.697.493,826	8,474744	6.305,210	4.697,494	74,5
ago-90	1.949,822	8.474,096	4.354.905,007	8,474096	6.304,727	4.354,905	69,1
sep-90	2.115,128	9.113,486	4.446.582,079	9,113486	6.561,710	4.446,582	67,8
oct-90	2.456,197	9.121,155	4.329.942,751	9,121155	6.786,139	4.329,943	63,8
nov-90	2.403,693	9.092,304	4.142.765,612	9,092304	6.546,459	4.142,766	63,4
dic-90	1.952,389	9.075,614	4.799.867,766	9,075614	6.752,257	4.799,868	71,1
SUBTOT.90	23.650,400	104.123,301	52.365.536,140	104,123301	76.015,936	52.365,536	
ene-91	1.628,102	9.803,476	5.665.684,045	9,803476	7.293,786	5.665,684	78,0
feb-91	3.109,937	9.804,263	3.478.528,177	9,804263	6.588,465	3.478,528	53,0
mar-91	3.547,475	9.810,123	3.751.256,306	9,810123	7.298,732	3.751,256	51,7
abr-91	4.071,077	10.519,327	3.502.838,676	10,519327	7.573,915	3.502,839	46,7
may-91	3.697,252	10.519,066	4.128.933,105	10,519066	7.826,185	4.128,933	53,1
jun-91	2.819,483	10.518,070	4.753.526,964	10,51807	7.573,010	4.753,527	63,1
jul-91	2.555,829	10.516,304	5.268.301,391	10,516304	7.824,130	5.268,301	67,6
ago-91	2.281,446	10.502,691	5.532.556,333	10,502691	7.814,002	5.532,556	71,0

sep-91	2.067,628	10.503,228	5.494.695,984	10,503228	7.562,324	5.494,696	73,0
oct-91	2.454,354	10.501,546	5.358.796,166	10,501546	7.813,150	5.358,796	68,9
nov-91	2.133,743	10.436,633	5.380.632,978	10,436633	7.514,376	5.380,633	71,9
dic-91	2.800,240	10.437,332	4.965.134,966	10,437332	7.765,375	4.965,135	64,1
SUBTOT.91	33.166,566	123.872,059	57.280.885,091	123,872059	90.447,451	57.280,885	
TOTAL	87.881,963	463.716,431	250.991.162,708	463,716	338.873,126	250.991,163	

AÑOS	ROYALTIES.		RESARCIMIEN	COMPENSACION POR LA ENERGIA CEDIDA.			
	ENERGIA	VALOR	VALOR	FURNAS	VALOR	ELETROSUL	VALOR
	Gwh	US\$	US \$	Gwh	US\$	Gwh	US\$
ene-86	1.085,410421	2.469.308,71	189.046,82	422,360628	443.478,66	83,169879	87.328,37
feb-86	1.202,729233	2.736.209,00	210.477,62	474,416056	498.136,86	93,422464	98.091,49
mar-86	1.424,296805	3.240.275,23	249.251,94	560,620751	588.651,79	110,395612	115.915,39
abr-86	1.371,663679	3.120.534,87	240.041,14	542,880334	570.024,35	106,902227	112.247,34
may-86	1.420,883016	3.232.508,86	248.654,53	562,478842	590.598,58	110,760714	116.298,75
jun-86	1.841,688000	4.189.840,20	322.295,40	739,583895	774.463,09	145,538585	152.815,51
jul-86	1.899,584520	4.321.554,78	332.427,29	762,147344	800.254,71	150,385396	157.904,66
ago-86	1.901,030112	4.324.843,50	332.680,27	762,782093	800.921,20	150,510643	158.036,18
sep-86	1.784,096440	4.058.819,86	312.216,91	714,973962	750.722,66	145,566177	148.131,10
oct-86	1.893,522126	4.307.762,84	331.366,37	759,707160	797.692,52	149,903903	157.399,10
nov-86	1.838,517840	4.182.628,09	321.740,62	737,723708	774.609,89	145,566172	152.844,48
dic-86	1.897,807848	4.317.512,85	322.116,37	761,482458	799.556,58	150,254202	157.766,91
UBTOTAL	19.561,230040	44.501.798,79	3.412.315,28	7.801,157231	8.189.110,89	1.542,38	1.614.779,28
ene-87	2.416,099824	5.622.264,29	432.481,87	949,888886	1.020.180,66	191,201026	205.349,90
feb-87	2.180,989936	5.075.163,58	390.397,20	857,425660	920.875,16	172,589308	185.360,92
mar-87	2.423,987712	5.640.619,41	433.893,80	952,331545	1.022.804,08	191,692703	205.877,96
abr-87	2.345,964114	5.459.058,49	419.927,58	922,207685	990.451,05	185,629138	199.365,69
may-87	2.824,091744	6.571.661,49	505.512,42	1.118,635732	1.201.414,78	225,343300	242.020,85
jun-87	2.268,139065	5.277.959,60	405.996,89	889,108957	954.903,67	179,108047	192.362,04
jul-87	2.585,063887	6.015.443,67	462.726,44	1.019,591705	1.095.041,49	205,393223	220.592,32
ago-87	3.490,164705	8.121.613,27	624.739,48	1.391,802445	1.494.795,83	280,635004	301.401,99
sep-87	3.602,780430	8.383.670,06	644.897,70	1.440,384921	1.546.973,41	290,430894	311.922,78
oct-87	3.143,738000	7.315.478,33	562.729,10	1.249,222910	1.341.665,41	251,886090	270.525,66
nov-87	3.407,089177	7.928.296,51	609.868,96	1.356,847665	1.457.254,39	273,586924	293.832,36
dic-87	4.030,790000	9.379.648,33	721.511,41	1.613,569088	1.732.973,20	325,047912	349.101,46
UBTOTAL	34.718,898594	80.790.877,03	6.214.682,85	13.761,017198	14.779.333,13	2.772,55	2.977.713,93
ene-88	2.930,410000	6.971.445,39	536.265,03	1.168,717001	1.283.251,27	224,569999	246.577,86
feb-88	2.414,193000	5.743.365,15	441.797,32	957,407758	1.051.233,72	183,966742	201.995,48
mar-88	2.373,442259	5.646.419,13	434.339,93	927,206572	1.018.072,82	178,163558	195.623,59
abr-88	3.101,842609	7.379.283,57	567.637,20	1.236,655857	1.357.848,13	237,835447	261.143,32
may-88	2.953,270000	7.025.829,33	540.448,41	1.170,979173	1.285.725,13	225,137827	247.201,33
jun-88	2.624,124000	6.242.791,00	480.214,69	1.026,912997	1.127.550,47	197,439004	216.788,03
jul-88	3.178,888000	7.562.574,55	581.736,50	1.268,085135	1.392.357,48	243,807865	267.701,04
ago-88	3.625,498791	8.625.061,62	663.466,28	1.461,178931	1.604.374,47	280,932964	308.464,39
sep-88	3.757,950503	8.940.164,25	687.704,94	1.509,518131	1.657.450,91	290,226881	318.669,11
oct-88	3.885,170429	9.242.820,45	710.986,19	1.561,494180	1.714.520,61	300,220034	329.641,60
nov-88	3.393,443247	8.073.001,48	621.000,11	1.357,317529	1.490.334,65	260,964095	286.538,58
dic-88	3.715,739291	8.839.743,77	679.980,29	1.490,031378	1.636.054,45	286,480268	314.555,33
UBTOTAL	37.953,972129	90.292.499,69	6.945.576,89	15.135,504641	16.618.774,11	2.909,744683	3.194.899,66
ene-89	3.291,996327	8.002.843,06	615.603,33	1.285,573277	1.442.413,22	270,151630	303.110,13

feb-89	1.852,143863	4.502.561,73	346.350,89	698,498843	783.715,70	146,783232	164.690,79
mar-89	2.479,619003	6.027.953,79	463.688,75	936,660289	1.050.932,84	196,830712	220.844,06
abr-89	3.321,161857	8.073.744,49	621.057,26	1.287,760643	1.444.867,44	270,611285	303.625,86
may-89	3.360,976789	8.170.534,56	628.502,66	1.307,169924	1.466.644,65	274,689971	308.202,15
jun-89	3.751,959821	9.121.014,31	701.616,48	1.479,264349	1.659.734,60	310,854062	348.778,26
jul-89	4.663,848398	11.337.815,46	872.139,65	1.844,650527	2.069.697,89	387,636672	434.928,35
ago-89	3.749,700054	9.115.520,85	701.193,90	1.469,295358	1.648.549,39	308,759169	346.427,79
sep-89	3.675,257957	8.934.552,09	687.273,25	1.436,335935	1.611.568,92	301,833043	338.650,67
oct-89	4.158,386321	10.109.037,15	777.618,26	1.627,670404	1.826.246,19	342,040256	383.768,17
nov-89	4.333,058519	10.553.665,27	810.281,96	1.702,346083	1.910.032,31	357,732677	401.376,06
dic-89	4.469,051199	10.864.263,47	835.712,57	1.752,047597	1.965.797,40	368,177002	413.094,60
UBTOTAL	43.107,160108	104.813.506,23	8.061.038,96	16.827,273230	18.880.200,55	3.536,099711	3.967.496,89
ene-90	3.592,440139	8.920.028,86	686.156,06	1.391,241402	1.594.362,64	291,216667	333.734,30
feb-90	3.858,651965	9.581.032,83	737.002,52	1.507,790160	1.727.927,52	315,612822	361.692,29
mar-90	5.539,401410	13.754.333,70	1.058.025,67	2.194,097116	2.514.435,30	459,271589	526.325,23
abr-90	4.207,545343	10.447.335,08	803.641,16	1.652,447058	1.893.704,33	345,892614	396.392,93
may-90	4.088,915499	10.152.777,18	780.982,86	1.599,327251	1.832.829,03	334,773499	383.650,43
jun-90	4.307,024743	10.694.342,43	822.641,72	1.688,857724	1.935.430,95	353,514147	405.127,21
jul-90	4.697,493826	11.663.877,16	897.221,32	1.856,210720	2.127.217,48	388,544719	445.272,25
ago-90	4.354,905007	10.813.229,13	831.786,85	1.718,211485	1.969.070,36	359,658519	412.168,66
sep-90	4.446,582079	11.040.863,30	849.297,17	1.756,488351	2.012.935,64	367,670688	421.350,61
oct-90	4.329,942751	10.751.247,85	827.019,08	1.698,866649	1.947.015,77	355,630162	407.552,17
nov-90	4.142,765612	10.286.487,01	791.268,23	1.616,393419	1.852.386,86	338,345814	387.744,30
dic-90	4.799,867766	11.918.071,66	916.774,74	1.890,740782	2.166.788,93	395,772602	453.555,40
UBTOTAL	52.365,536140	130.023.626,19	10.001.817,38	20.570,672118	23.574.104,81	4.305,903841	4.934.565,78
ene-91	5.612,116045	14.226.714,17	1.094.362,63	2.220,014736	2.597.417,24	474,897420	555.629,98
feb-91	3.430,144177	8.695.415,49	668.878,11	1.327,133219	1.552.745,86	283,895477	332.157,71
mar-91	3.697,616306	9.373.457,34	721.035,18	1.422,456063	1.664.273,59	304,286590	356.015,31
abr-91	3.468,998676	8.793.911,64	676.454,74	1.334,224864	1.561.043,07	285,412492	333.932,62
may-91	4.075,365105	10.311.050,54	794.696,20	1.587,404333	1.857.263,07	339,571720	397.298,91
jun-91	4.701,686964	11.918.776,45	916.828,96	1.846,168812	2.160.017,51	394,925670	462.063,03
jul-91	5.211,013391	13.209.918,95	1.016.147,61	2.054,435400	2.403.689,42	439,477295	514.188,43
ago-91	5.475,268333	13.879.805,22	1.067.677,32	2.174,219991	2.543.837,38	465,101176	544.168,38
sep-91	5.439,255984	13.788.513,92	1.060.654,92	2.163,087696	2.530.812,61	462,719796	541.382,16
oct-91	5.298,613166	13.431.984,38	1.033.229,57	2.100,812227	2.457.950,30	449,398056	525.795,73
nov-91	5.322,312978	13.492.063,40	1.037.851,03	2.105,111704	2.462.980,69	450,317785	526.871,81
dic-91	4.904,870966	12.433.847,90	956.449,84	1.926,954447	2.254.536,71	412,207037	482.282,23
UBTOTAL	56.637,262091	143.555.459,40	11.044.266,11	22.262,023491	26.046.567,45	4.762,210513	5.571.786,30
Ajuste 87		2.553.713,83	196.439,48		467.154,56		94.120,90
Ajuste 88		6.365.621,21	489.663,18		1.171.634,25		225.230,47
Ajuste 89		12.935.833,68	995.064,15		2.330.594,17		489.753,35
Ajuste 90		22.691.845,81	1.745.526,60		4.114.174,97		861.185,67
Ajuste 91		26.167.170,60	2.243.627,89		5.291.326,98		1.131.901,27
TOTAL	244.344,059102	664.691.952,46	51.350.018,77	96.357,647908	121.462.975,87	19.828,880291	25.063.433,50

ACTUALIZ. DE LAS CANTIDADES PERCIBIDAS				
AÑOS	FACTORES	ROYALTIES	COMPENSAC.	RESARCIM.
	DE			
	AJUSTE	US\$/Gwh	US\$/Gwh	US\$/Gwh
1985	3,50	2.275	1.050	175
1986	3,50	2.275	1.050	175
1987	3,58	2.327	1.074	179
1988	3,66	2.379	1.098	183
1989	3,74	2.431	1.122	187
1990	3,82	2.483	1.146	191
1991	3,90	2.535	1.170	195
1992	4,00	2.600	1.200	200

APLAZAM. PAGOS EN VIRTUD N.R.n° 4, 28/1/86.		
	AL CONTADO	APLAZADO
1985	0	100
1986	28,6	71,4
1987	41,9	58,1
1988	54,7	45,3
1989	66,9	33,1
1990	78,5	21,5
1991	89,8	10,2
1992	100	0

AÑOS	ROYALTIES A	ROYALTIES	TOTAL DE LO	COMPENSAC.	COMPENSAC.	TOTAL DE LAS
	CONTADO	APLAZADOS	ROYALTIES	AL CONTADO	APLAZADAS	COMPENSAC.
	US \$	US \$	US \$	US \$	US \$	US \$
1986	12.727.514,45	31.774.284,34	44.501.798,79	2.803.912,59	6.999.977,58	9.803.890,17
1987	33.851.377,48	46.939.499,55	80.790.877,03	7.440.202,72	10.316.844,34	17.757.047,06
1988	49.389.997,33	40.902.502,36	90.292.499,69	10.838.079,55	8.975.594,22	19.813.673,77
1989	70.120.235,67	34.693.270,56	104.813.506,23	15.285.109,59	7.562.587,85	22.847.697,44
1990	102.068.546,56	27.955.079,63	130.023.626,19	22.379.306,41	6.129.364,18	28.508.670,59
1991	128.912.802,54	14.642.656,86	143.555.459,40	28.393.281,67	3.225.072,08	31.618.353,75
TOTAL	397.070.474,03	196.907.293,30	593.977.767,33	87.139.892,53	43.209.440,25	130.349.332,78