Examples of Reports

			,			Ü	Capacity of Power Generation	of Pov	ver Ge	neratio	u							
Compa	Company Sector	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992
All PC	Total	1304.4	1361.4	1368.3	1366.5	1369.8	1391.1	1324.7	1384.4	1465.5	1605.3	1740.1	1807.4	2031.6	2622.1	2659.8	2998.5	3153.4
	Thermal	514.0	569.0	575.0	567.0	567.0	562.6	562.6	552.5	638.5	776.5	911.0	962.0	954.0	944.0	944.0	898.0	898.0
	Hydro	277.6	277.6	283.6	276.7	276.7	276.7	276.7	7.77.2	7.77.7	290.6	290.9	291.1	501.6	1176.1	1176.1	1662.7	1650.3
	Diesel	4513	453.3	448.2	461.3	464.6	457.8	391.4	418.2	413,3	402.2	402.2	418.3	425.0	325.0	376.7	324.8	397.1
	Cas Turbine (O	\$ 1.9	519	61.5	27.5	27.5	77.0	77.0	102.0	102.0	102.0	102.0	102.0	117.0	143.0	129.0	79.0	174.0
	Gas Turbine (G	0.0	0.0	0.0	34.0	34.0	17.0	17.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0
PCI	Total	461.3	524.3	559.6	581.7	585.9	600.7	555.7	580.3	666.7	790.5	925.3	975.7	985.2	1437.7	1437.7	1824.7	1821.8
	Thermal (Coal)	281.0	336.0	342.0	334.0	334.0	329.6	329.6	319.5	405.5	543.5	678.0	729.0	721.0	711.0	711.0	693.0	693.0
	Hydro	113.8	113.8	119.8	112.9	112.9	112.8	112.8	113.8	113.8	126.7	127.0	127.2	137.2	607.2	607.2	1080.0	1086.6
	Diesel	\$ 99	74.5	97.8	100.8	105.0	91.3	46.3	38.0	38.4	11.3	11.3	10.5	18.0	10.5	10.5	17.7	8.7
	Gas Turbine (O	0.0	0.0	0.0	0.0	0.0	50.0	50.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	0.0	0.0
	Gas Turbine (G	0.0	0.0	0.0	34.0	34.0	17.0	17.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0
PC2	Total	771.9	735.9	709.0	684.6	684.6	9.999	9.999	9.999	9.999	9.999	9.999	9.999	881.3	980.1	1031.8	1034.7	1164.4
) !	Thermal (Oil)	233.0	233.0	233.0	233.0	233.0	233.0	233.0	233.0	233.0	233.0	233.0	233.0	233.0	233.0	233.0	205.0	205.0
	Hvdro	163.0	163.0	163.0	163.0	163.0	163.1	163.1	163.1	163.1	163.1	163.1	163.1	363.7	564.2	564.2	563.7	563.7
	Diesel	314.4	278.4	251.5	261.1	261.1	243.5	243.5	243.5	243.5	243.5	243.5	243.5	242.6	128.9	180.6	187.0	221.7
	Gas Turbine (O	61.5	61.5	61.5	27.5	27.5	27.0	27.0	27.0	27.0	27.0	27.0	27.0	42.0	54.0	54.0	79.0	174.0
PC	Total	71.2	101.2	7.66	100.2	99.3	123.8	102.4	137.5	132.2	148.2	148.2	165.1	165.1	204.3	190.3	139.1	167.2
	Hydro	8.0	8.0	8.0	0.8	8.0	8.0	8.0	8.0	8.0	8.0	9.0	8.0	0.7	4.7	4.7	19.0	
	Diesel	70.4	100.4	98.9	99.4	98.5	123.0	101.6	136.7	131.4	147,4	147.4	164.3	164.4	185.6	185.6	120.1	167.2
	Gas Turbine (O	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.0	0.0	0.0	
					Charles of the last													

Figure 1.1.2-1 Report: Capacity

								Trans	Transformer									
Compar	Company Type	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	9861	1987	1988	1989	1990	1991	1992
All PC	All PC Undefined												25.0	25.0	25.0	123.0	148.0	
	Tram 220 kV	196.0	196.0	196.0	196.0	196.0	196.0	196.0	196.0	196.0	446.0	446.0	446.0	1078.0	1203.0	1732.0	2922.0	3062.0
	Tram 110-66 k	1378.4	1441.4	1396.9	1427.9	1482.8	1083.3	1241.3	1158.3	1268.8	1443.3	1582.3	1594.5	2224.2	2120.3	2562.3	2922.8	2979.8
	Tram 35 kV	780.0	847.7	829.8	895.2	6.967	840.8	985.9	1075.1	650.3	769.3	1132.2	1366.5	2101.2	2409.7	2199.2	1616.9	1380.8
	Tram 15-10-6 k	1421.4	1558.1	1764.3	1793.3	1446.1	1614.1	1566.8	1916.4	2408.9	2531.4	2027.2	2482.3	3121.0	3384.4	3947.6	4375.8	1931.7
PCI	220/110/10 kV										250.0	250.0	250.0	500.0	500.0	750.0	2065.0	2065.0
	110/35/10-6 k	872.0	912.0	887.0	918.0	943.0	565.0	721.0	636.0	734.0	722.0	819.0	951.0	1396.0	1093.0	1442.5	1586.3	1643.3
	35/10-6 kV	531.7	488.9	500.6	528.6	419.1	437.3	544.1	560.1	562.8	768.3	675.0	910.6	1382.0	1498.1	1479.5	887.8	821.3
	35/0.4 kV	239.6	350.2	319.5	328.9	340.1	334,9	373.2	431.4			456.2	429.6	540.2	564.0	649.2	711.1	559.5
	10/0.4 kV	248.0	237.8	363.5	313.6	297.2	741.9	7.7.7	972.9	1405.7	1568.4	527.2	562.6	763.3	729.0	950.4	1121.6	887.8
	6/0.4 kV	363.2	365.0	417.3	461.2	446.1						715.4	706.8	829.8	942.0	1088.4	1089.8	1043.9
PC2	230/110-66 kV	196.0	196.0	196.0	196.0	196.0	196.0	196.0	196.0	196.0	196.0	196.0	196.0	578.0	703.0	919.0	794.0	934.0
] }	110/15-6.6 kV	506.4	507.9	488.4	488.4	518.3	518.3	520.3	522.3	534.8	534.8	576.8	104.0	314.0	374.0	490.5	655.5	655.5
	66/15-6.6 kV												524.3	499.0	617.0	611.0	662.7	662.7
N.	31.5/6.6 kV	8.7	8.7	9.7	9.7	7.6	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	18.0	
	15/6.6 kV	810.2	836.9	862.1	890.6	556.1	171.0	171.0	171.0	271.0	271.0	648.7	951.2	1291.0	1476.5	1696.6	1837.1	
	15,10,6/0.4 kV						581.9	382.7	603.0	556.1	556.1							
PC3	220/110 kV															63.0	63.0	63.0
	110/35/10 kV								•				25.0	25.0	25.0	123.0	148.0	
	66/15 kV		21.5	21.5	21.5	21.5					186.5	186.5	15.2	15.2	36.3	18.3	18.3	18.3
٠	35/15 kV				28.0	28.0												
	35/10-6.kV						9.29	9.29	82.6	86.5		v.	25.3	178.0	346.6	69.5		
	15/6 kV														,		1	
	6/4.16 kV		118.4	121.4	127.9	146.7	119.3	135.4	169.5	176.1	135.9	135.9	261.7	236.9	236.9	212.2	327.3	
	15,10,6/0.4 kV																	

Figure 1.1.2-2 Report: Transformer

					j			Trans	Transmission	ı								
Company Type	y Type	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992
Jana	V1 0cc	257.0	257.0	257.0	257.0	257.0	257.0	257.0	487.0	647.0	647.0	582.0	582.0	1187.0	1241.0	1420.0	1712.8	
7	220 CT 137	4 6 6 7 7	1503 3	0.7021	1728 1	1753.2	1911.1	1982.2	1955.7	1978.9	2166.1	2235.5	2356.0	2843.2	3245.2	3568.2	4478.3	
	110-00 KV	27/+1	10,40	2001	10000	0 0	0 7767	46173	8 27.64	44014	5008.8	6188.9	5446.4	6481.2	6568.3	6930.3	7726.9	
	35 kV	3272.0	3243.3	3577.1	4,083,4	3713.0									0 86171 0 36631		19743.8	
-	15,10,6 kV	0.9829	6705.8	7567.2	7730.0	8068.8	8818.4	10034.5	10971.7						0.0000			
	Low Voltage	7558.9	7968.9	8127.3	8436.4	8747.4	9436.0	0.9626	10028.0	10583.0	10983.0	11555.0	12403.0	13803.0	14864.0	07//01	16203.0	
7,76	V4 0ct								230.0	390.0	390.0	325.0	325.0	675.0	729.0	838.0	1076.0	
3	V4 017	0783	1014.1	1052.8	1074.9	1133.7	1219,3	1280.6	1240.0	1290.0	1477.2	1405.4	1502.9	1519.0	1779.0	1816.0	2419.0	
	35 1.47	17183	8 5916	3444.6	3905.9	3807.4	3969.0	4339.4	3996.0	3825.0	4432.4	4510.5	4707.1	5532.0	5532.0	5837.0	5837.0	
	33 KV	75637	2360 6	7984 1	2886.1	2979.0	3108.7	3977.8	4600.8	4753.0	5269.0	5345.6	5427.5	5727.4	6067.0	6381.0	7082.8	
٠	TORA	4.000.4	0000		13001	1366 4	1388 0	1562 4	15747	1630.0	1780.0	1902.0	2141.0	2600.0	2691.0	2691.0	2790.0	
•	6 KV	1343.8	7.0771	14.3	176661	+.00C1	0.0001	1 0		0 000	0 000	1000	0.000	0.0028	0 0000	0.0050	0.000	
	Low Voltage	4200.0	4400.0	4200.0	4800.0	5100.0	5400.0	5700.0	3900.0	0300.0	0,00,0	/000.0	7.500.0	0.0000	2000.0	2000	2000	
200	220.230 kV	257.0	257.0	257.0	257.0	257.0	257.0	257.0	257.0	257.0	257.0	257.0	257.0	512.0	512.0	512.0	266.8	
į	110 kV						52.0	52.0	52.0	109.0	109.0	135.0	135.0	521.5	777.0	963.0	1052.6	
	. W CTT	5447	580.2	580.2	580.2	546.5	546.5	556.3	570.4	444.9	444,9	444.9	444.9	496.5	383.0	483.0	331.7	
	36 1-87	,												40.9			704.6	
	33 KV	63.7	A 1.1	7.7	7.7.5	0.4.4	94.4	94.4	94.4	94.4	94.4	94.4	75.3	75.3	75.3	75.3	71.3	
	31.3 KV	7.55	0.405.0	A 0776	36838	2817.0	3177.2	3340 8	3546.9	3669.0	3669.0	4073.0	4480.3	5027.0	5753.0	6342.0	8119.2	
	Low Voltage	2732.0	2799.0	2799.0	2799.0	2799.0	2799.0	2799.0	2799.0	2799.0	2799.0	3005.0	3483.0	3483.0	3764.0	3577.0	4003.0	
1,70	320 00															70.0	70.0	
3	110 LV						20.3	20.3	20.3	\$9.8	59.8	175.0	198.0	231.0	231.0	231.0	527.0	
	V4 27			73.0	73.0	73.0	73.0	73.0	73.0	75.2	75.2	75.2	75.2	75.2	75.2	75.2	148.0	
	35 LV & 31 5	٠				12.0	183.4	183.4	183.4	482.0	482.0	581.0	664.0	833.0	961.0	1018.0	1114.0	
	15 157	F 29F	443.7	108	530.1	640.2	645.2	645.2	750.0	1310.0	1310,0	1250.0	1063.0	1063.0	1118.0	1114.0	1167.0	
	10 6 LV	1817	275.4	291.2	262.2	266.2	499,3	499.3	499.3	554.0	717.0	763.0	453.0	552.0	596.0	596.0	584.8	
	Low Voltage	626.9	769.9	828.3	837.4	848.4	1237.0	1297.0	1329.0	1484.0	1484.0	1550.0	1720.0	1820.0	2100.0	2500.0	2700.0	
	0																	

Figure 1,1,2-3 Report: Transmission

										-	!							
								Power	Power Generation	ration								
Сотра	Company Item	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992
All PC	Total	2964.6	3353.6	3705.4	3775.6	3559.1	3726.3	3974.4	4071.8	4778.6	5064.7	5526.7	6049.7	6783.1	7791.9	8678.5	9151.6	9652.1
	Thermal	1854.9	1955.2	2083.8	2022.3	1740.7	1844.4	1981.6	2242.4	2616.2	3017.7	3627.1	4155.2	4432.9	3462.0	2841.1	2424.7	1886.4
	Hydro	831.0	1133.1	1330.8	1447.5	1488.2	1506.9	1559.6	1223.2	1599.0	1472.1	1401.9	1375.7	1785.5	3825.3	5368.7	6316.5	7228.1
	Diesel	275.6	264.8	289.6	285.7	316.0	333.6	331.6	389.5	373.4	409.2	394.6	400.7	425.6	436.5	410.7	309.4	319.6
	Gas Turbine (O	3.1	0.5	1.2	20.1	14.2	25.8	65.4	7.96	76.6	92.5	36.7	51.9	75.1	40.7	52.4	8.59	212.5
	Gas Turbine (G						15.6	36.2	120.0	113.4	73.2	66.4	66.2	64.0	27.4	5.6	35.2	5.5
PC1	Total	1605.5	1839.1	2085.5	2187.6	1869.8	1995.9	2115.0	2144.4	2646.7	2848.9	3238.6	3537.3	3872.1	4358.6	4868.8	5121.1	5414.6
-	Thermal (Coal)	1202.1	1430.7	1559.8	1596.8	1420.7	1434.9	1522.5	1525.6	2016.1	2302.1	2656.0	3064.8	3438.7	2722.3	2000.5	1365.5	851.4
	Hydro	383.3	353.9	444.5	500.6	373.8	467.4	459.5	390.7	436.2	385.7	477,9	354.6	293.0	1589.5	2856.6	3709.9	4548.8
:	Diesel	20.1	54.5	80.4	70.3	61.5	52.4	32.8	19.6	6.2	2.6	7.7	10.1	11.3	8.9	6.1	10.5	8.9
	Gas Turbine (O	0.0	0.0	8.0	19.9	13.8	25.6	64.0	88.5	74.8	85.3	30.6	41.6	65.1	10.5			
	Gas Turbine (G						15.6	36.2	120.0	113.4	73.2	66.4	66.2	64.0	27.4	5.6	35.2	5.5
PC2	Total	1279.0	1418.1	1499.4	1451.0	1544.8	1575.5	1695.2	1732.9	1900.2	1966.4	2025.7	2233.9	2592.3	3068.7	3452.6	3793.1	4012.9
121	Thermal (Oil)	652.8	524.5	524.0	425.5	320.0	409.5	459.1	716.8	600.1	715.6	971.1	1090.4	994.2	739.7	840.6	1059.2	1035.0
-	Hydro	444.0	775.6	882.0	9.12.5	1110.3	1035.5	1096.1	828.8	1157.4	1081.3	6.916	1015.5	1489.4	2226.4	2484.0	2550.0	2618.6
	Diesel	179.1	117.5	93.0	87.8	114.1	130.3	138.6	179.1	140.9	162.3	131.6	117.7	98.7	76.3	75.9	118.1	146.8
	Gas Turbine (O	3.1	0.5	0.4	0.3	0.4	0.2	1.4	8.2	1.8	7.2	6.1	10.3	10.0	26.3	52.1	65.8	212.5
PCS	Total	80.1	96.4	120.5	137.0	144.5	154.9	164.2	194.5	231.7	249.4	262.4	278.5	318.7	364.6	357.1	237.4	224.6
	Hydro	3.7	3.6	4.3	4.4	4.1	4.0	4.0	3.7	5.4	5.1	7.1	5.6	3.1	6.4	28.1	9.99	60.7
	Diesel	76.4	92.8	116.2	132.6	140.4	150.9	160.2	190.8	226.3	244.3	255.3	272.9	315.6	351.3	328.7	180.8	163.9
	Gas Turbine (O														3.9	0.3		
Others	Total	97.6	149.3	111.7	95.0	6.97	124.1	150.0	201.8	177.5	154.3	159.0	163.4	171.8	156.6	167.0	195.0	
	Thermal (Coal)	8.61	74.4	8.69	6.3	45.2	92.3	118.0	166.8	139.9	116.3	118.0	120.0	136.0	135.2	150.0	180.0	
	Diesel	47.8	74.9	41.9	28.7	31.7	31.8	32.0	35.0	37.6	38.0	41.0	43.4	35.8	21.4	17.0	15.0	
PC+Others	hers	3062.2	3502.9	3817.1	3870.6	3636.0	3850.4	4124.4	4273.6	4956.1	5219.0	5685.7	6213.1	6954.9	7948.5	8845.5	9346.6	9652.1
			-								-							

Figure 1.1.2-4 Report: Generation

								Sale to	Sale to Sectors	S								
										, 00 -	300	700	1001	1988	1980	1990	1991	1992
Company Sector	y Sector	1976	1977	1978	1979	1980	1981	1982	1983	1984	585	1900	1201				(6.27)	2031.3
AN PC.	Total	2218.4	2498.5	2740.1	2726.1	2515.9	2799.1	2983.1	3104.1	3612.5	3866.5	4146.5	4599.9	5026.0	5663.4	6184.8	02/3./	7.1640
			1000 5	14910	1498.0	1377 4	1499.0	1659.4	1738.1	2027.4	2113.6	2197.0	2384.1	2589.7	2621.0	2845.0	3069.1	3196.9
	Industry	1117.7	1298.5		14200	4.000	211.2	256.1		307.0	308.5	332.2	387.2	441.0	462.3	8.985	9.808	975.0
	Agriculture	218.1	251.8	790.0	0.282	C.CC2	2.11.6	1.00.4	2277	382 4	7777	482.3	547.0	600.1	656.5	6.999	590.6	549.8
	Non-Industry	116.2	136.7	152.2	229.9	223.1	Z6U.1	217.4	3.05	7.85	35.0	40.6	38.2	38.4	414	51.1	53.8	56.1
	Transportation	27.7	21.1	24.8	42.9	34.4	4.4	7.15	30.00	0.00	000	3004.4	1243 4	1356.8	1882.2	2035.0	2051.6	2153.4
	Honse Hold	738.7	790.4	791.5	673.3	647.5	694.4	718.0	768.5	27/58	960.6	4.1-501	1.272.7	2,0001	3000	23.24	2641.1	1 67.75
104	Total	1229.0	1360.0	1514.8	1531.3	1259.8	1503.8	1603.9	1655.2	1991.4	2148.2	2380.3	2632.9	2874.8	2328.5	2,1,52	3341.1	
5			000	6070	040	6010	780 7	8913	944.2	1117.1	1142.5	1244.4	1344.3	1464.9	1384.6	1468.0	1433.8	1465.5
	Industry	701.6	5.06/	607.5	7.0	20170	2000	210.6	100 7	252.1	243.7	262.9	308.3	343.6	354.7	466.9	674.0	827.1
	Agriculture	215,2	747.5	2/2.8	0.007	6.001	2,007 2,007	1001	200.4	248 5	293.8	336.3	348.9	348.9	355.8	342.1	260.8	207.3
	Non-Industry	67.0	88.1	116.5	169.8	138.1	103.3	1.96.7	4.202	2.042	5 81	22.8	21.0	20.9	24.0	29.2	27.0	24.8
:	Transportation	27.7	20.9	23.3	33.3	24.3	24.5	0.07	0.01	0.02		6120	7019	646 5	879.4	8557	884.7	897.9
	House Hold	217.5	218.2	229.9	234.5	212.9	266.3	277.5	299.9	352.9	449.7	515.7	1010			697	260.8	349.5
	Sale to PC3					:											3,000	31100
100	Total	931.2	1063.9	1132.0	1086.9	1142.1	1173.1	1250.9	1297.6	1439.2	1522.4	1557.5	1749.2	1960.3	238/.1	6.7717	C.C.0K2	2110.7
3	Total		1007	0 133	K 703 3	630.6	6503	696.4	693.9	788.6	841.8	819.9	894.9	959.3	1054.8	1197.6	1448.1	1535.4
	Industry	407.7	486.1	267.3	0.700	220.0	33.4	26.5	26.5	29.3	32.6	34.9	41.6	52.4	65.8	71.5	79.2	87.0
	Agriculture	0.0	0.7	7.7	ָּטְּינָ בְּיִלְינָ	3 5		90	100	1103	1100	118.0	169.6	220.4	266.9	288.3	286.1	292.0
	Non-Industry	48.2	48.6	29.0	4. V. r	7.5	t:10	7.00	8 6	116	011	4	11.6	10.5	10.9	14.5	18.9	23.8
	Transportation	0.0	0.0	0.0	7.0	0.0	7.0	2008	300 5	4243	448.9	492.6	539,9	607.0	9.898	1016.8	992.0	1035.6
	House Hold	456.4	498.5	498.8 5.00	381.7	30.7	31.7	41.1	67.3	75.1	78.1	80.7	91.6	110.7	120.1	134.2	141.2	145.1
	Sale to PC3	4	-		325		1536	F 091	218 6	257.0	274.0	289.4	309.4	351.6	397.9	434.2	469.1	534.8
PC3	Total	77.6	100.7	£.771	130.0	7.44.	175.0	r./or					144.0	3 371	1816	179.4	187.2	0.961
	Industry	8.9	20.1	43.8	50.0	55.8	59.5	71.9	100.0	121.7	129.3	132.7	144.9	5.001	0.101	1.7.1	7:101	0.07
	Aoriculture	2.9	6.7	7.6	13.2	16.4	18.3	19.0	23.6	25.6	32.2	34.4	37.3	45.0	8.14	4.0.4	# t	200.7
	Againmine A	-	0 0	6.7	12.6	13.7	15.4	15.2	21.1	23.6	23.9	28.0	28.5	30.8	33.8	36.5	43.7	
	K mendurany	2				3.5	3.0	3.6	8.4	6.1	6.4	4.9	5.6	7.0	6.5	7.4	7.9	5.7
	ransportation	2.0		•	v)	55.3	57.4	59.7	69.1	80.0	82.2	87.9	93.1	103.3	134.2	162.5	174.9	219.9
	House Hoid	0.+0																

Figure 1.1.2-5 Report: Sale to Sectors

				1				Sale to Sectors / Ratio	Sectors	, / Rati	0							
Company Sector	Sector	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	9861	1987	1988	1989	1990	1991	1992
Total	Total	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.001	100.00	100.00	100.00	100.001	100.00	100.00	100.00	100.0
	Industry	50.38	51.97	54.05	54.95	54.75	53.55	55.63	55.99	56.12	54.66	52.98	51.83	51.53	46.28	46.00	46.69	46.1
	Agriculture	9,83	10.08	10.61	10.34	9.28	11.12	8.59	7.82	8.50	7.98	8.01	8.42	8.77	8.16	9.49	12.30	14.0
	Non-Industry	5.24	5.47	5.55	8.43	8.87	9.29	10.47	10.44	10.59	11.06	11.63	11.89	11.94	11.59	10.78	8.98	7.9
	Transportation	1.25	0.84	0.91	1.57	1.37	1.23	1.25	0.99	1.07	0.93	0.98	0.83	0.76	0.73	0.83	0.82	8.0
	House Hold	33.30	31.63	28.89	24.70	25.74	24.81	24.07	24.76	23.73	25.37	26.39	27.03	27.00	33.23	32.90	31.21	31.0
PCI	Total	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
	Industry	57.09	58.11	57.39	54.90	54.85	52.48	55.56	57.04	56.10	53.18	\$2.28	51.06	46.18	45.43	45.43	40.49	38.85
	Agriculture	17.51	17.83	18.21	16.52	15.36	17.32	13.13	11.64	12.66	11.34	11.04	11.71	11.83	14,45	14.45	19.03	21.93
	Non-Industry	5.45	6.48	7.69	11.09	10.96	10.86	12.39	12.23	12.48	13.68	14.13	13.25	11.87	10.59	10.59	7.36	5.50
	Transportation	2.25	1.54	1.54	2.17	1.93	1.63	1.62	0.97	1.04	98.0	96.0	08.0	08.0	06.0	06.0	0.76	0.66
	House Hold	17.70	16.04	15.18	15.31	16,90	17.71	17,30	18.12	17.72	20.93	21.59	23.18	29.33	26.48	26.48	24.98	23.80
	Sale to PC3)													2.14	2.14	7.36	9.27
PC2	Total	100.00	100.00 100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.001
	Industry	43.73	45.88	50.17	55.87	55.21	55.43	55.67	53.48	54.79	55.29	52.64	51.16	44.19	43.98	43.98	48.83	49.23
	Apriculture	000	0.24	0.64	1,45	2.07	2.76	2.12	2.04	2.04	2.14	2.24	2.38	2.76	2,63	2.63	2.67	2.79
	Non-Industry	5.18	4.57	2.56	4.37	6.24	6.94	7.87	7.75	7.66	7.23	7.58	9.70	11.18	10.59	10.59	9.65	9.36
	Transportation	00.00	0.00	000	0.52	0.58	0.59	19'0	0.76	0.81	0.72	0.73	99.0	0.46	0.53	0.53	0.64	0.76
	House Hold	49.01	46.86	44.06	35.12	33.21	31.60	30.44	30.79	29.48	29.49	31.63	30.87	36.39	37.34	37.34	33.45	33.20
	Sale to PC3	2.08	2.45	2.57	2.66	2.69	2.68	3.29	5.19	5.22	5.13	5.18	5.24	5.03	4.93	4.93	4.76	4.65
PC	Total	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	106.00
	Industry	11.47	19.96	35.78	36.55	38.56	38.74	42.44	45.75	47.35	47.19	45.85	46.83	45.64	41.32	41.32	39.91	36.65
	Agriculture	3.74	6.65	6.21	9.65	11.33	11.91	11.22	10.80	96.6	11.75	11.89	12.06	10.51	11,15	11.15	11.81	11.39
	Non-Industry	1.29	0.00	5.47	9.21	9.47	10.03	8.97	9.65	9.18	8.72	89.6	9.21	8.49	8.41	8.41	9.32	9.4
	Transportation	0.00	0.20	1.23	2.85	2.42	1.95	2.13	2.20	2.37	2.34	2.21	1.81	1.63	1.70	1.70	1.68	1.40
	House Hold	83.51	73.19	51.31	41.74	38,22	37.37	35.24	31.61	31.13	30.00	30,37	30.09	33.73	37.43	37.43	37.28	41.12
														1	:			

Figure 1.1.2-6 Report: Sale to Sectors / Ratio

C	Beering:	1074	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1993
	Provinces	1976						1558.7	1608.0	1938.5	2089.6	2374.8	2627.5	2856.8	3000.3	3038,3	3283.4	
CI	Total	1219.4	1379.8	1448.8	1556.0	1305.6					683.2	736.7	821.4	865.3	886.3	949.0	963.9	
	ION AII	446.3	168.7	126.5	476.7	410.5	465.4	490.5	517.7	604.7		104.7	207.7	233.0	282,6	233.0	320.3	
	HAIPHONG	158.7	176.2	183.6	202.3	147,7	153.2	155.8 108.5	149.7 107.6	175.3 132.2	189.2 127.5	146.7	156.4	182.4	123.7	259.0	239.3	
	HA-NAM-NINH(136.8	165.6	186,9	198.8	139.2	126.1	108.5	107.0	134.4	11113	140.7	150.4	131.4	245.1	107.0	207.3	
	NINII JINII		****	*10.3	126.7	101.6	101.1	106.0	95.9	118.2	134.7	151.9	163.6	174.2	[67,1	133,4	185.5	
	VINII EHU QUANG NINH	93.5 100.0	114.0 118.6	130,3 134.5	143.4	135.5	179.2	200.4	185,7	179.9	174.0	181.2	193.3	207.9	198.0	126,0	183.3	
	BAC TITAL	120.1	139.5	143.8	146.4	119.4	112.1	124.2	115.4	132.5	149.0	158.6	181.7	193.5	197.6	216.9	262.1	
	HA BAC	45.2	57.7	73.4	81.9	59.7	62.6	60.9	71.5	80.4	64.8	96.3	101.1	103.1	107.6	136.5	155.3	
	HALIEUNG	76.8	85.5	104.7	116.5	95,0	84.7	62,2	88.5	139.6	158.9	163.4	193.1	208.4	222.2	217.1	222.6	
	THANITHOA	35.4	46.5	56.6	59.8	49.0	52.7	105.0	110.5	157.4	155.8	175.8	200.0	122.4	235.8	273.9	288.9	
	HA SON DINBUT	20.1					67.8	89.7	100.0	136,0	163.2	201.1	219.1	246.8	238.4	215.8	160.9	
	IIOA BINII																	
	THAI BINIL					41.9	50.8	41.3	32.2	43.9	45.0	46.8	56.1	59.6	72.8	74.6	79.6	
	HOANG LIEN'S						13.1	11.3	11.8	13.6	14.9	15.4	18.9	30.5	34.7	36.9	35.3	
	EAO CAI																	
	LANG SON	6.6	7.5	8.5	3.5	5.1	6.4	8.7	0.01	11.6	15.3	15.5	19.5	21.5	25.5	23.5	24.8	
	HA THYEN(THE							3.2	11.5	13.2	14.1	14.9	17.1	18.1	19.8	19.7	24.9	
	ILA GIANG																	
	NGHE TINHING											58.2	69.7	82.1	79.8	109.8	120.0	
	HATINH																	
	CAO BANG											7.6	8.8	8,0	8.4	7.8	7.4	
	508 LA															3.3	5.5	
	LAI CHAD															2.1	3,8	
PC3	Total	950.5	1090.1	1159.8	1109.8	1175,8	1173.3	1250,7	1297.5	1439.2	1522,3	1567.5	1749.4	1960.4	2389,9	2722.0	2966.0	
	T.E. HO CHI MIN	679,8	760.J	778.2	747.9	777.8	758.1	787.3	786.9	B68.7	905.2	901.6	988.3	1076.7	1300.9	1421.7	1512.3	
	THUARIFAL	14.5	11.7	11.3	14.3	14.1	15.1	16.9	17.7	18.1	19,7	21.3	23.8	25.6	31.8	39.5	45.6	
	DROUM	1.11	11.2	16.0	11.1	17.6	19.4	20.3	21.7	27.5	29.0	30.9	36.4	10.0	43,7	44.1	47.5	
	SONG BE	8.7	21.0	22.3	18.8	19.8	20.7	23.5	23.0	26.1	26.6	27.2	32.5	34.7	44,9	48.5	58.0	
	TAY NINII	3.8	4.9	7.7	6.5	5.8	7.1	9.6	10.1	12.6	16.3	17.6	19.8	22.8	30.4	37.4	41.9	
	HONG NAI	126.6	146.7	165.1	163.4	160.1	160.2	176.2	176.4	195.7	206.5	233.9	253.7	279.8	297.8	369.4	383.5 61.8	
	LONG AN	7.5	7.4	9.7	10.3	10.4	11.6	12.1	14.7	18.0	19.2	20.2	25.7	30.7	45.4	54.1 46,7	55.6	
	DONG THAP	4.7	6,6	8.7	K.3	8.2		10,7	13.4	14.1	17.0	18.4 33,3	21.5 35.8	18.7 43.9	38.3 64.1	74.2	79.6	
	TIEN GIANG	12.5			21.8	25.5	30.6	19.2	30.2	31.7	32.1 14.7	33,3 [4,4]	17.1	21.3	24.9	28.6	35.3	
	BEN THE	2.2		5.2	4.3	4.7	7.4	9,2	10.2 [6.1	10.1 17.9	21.8	11.1	27.1	32.8	45.6		58.3	
	COUTONG	6.9	8.6	10.7	9.6	11.1	11.2	44.4	46.1	51.2	57.3	59.2		77.0	100.8		134,2	
	HAU GIANG	25.1	31.4	35.5		37,1 19.3	38.5 19.4	18.9	10.1	21.7	23.5	23.1	29.2				66.7	
	AN GIANG	13.8		19.7	17.9	14.5		13.8	15.5	17.4		19.5					120,1	
	KIEN GIANG	7.1	9.9	10.8	12.3	7.4		10.5	14.4	13.0		10.9	12.1				42.2	
	MINICITATI YUNG TAU-CON	6.8	6.1	7.1		11.3		12.9	13.6	20,3		31.1				78.4	82.2	
	San the ALTrung	19.4	26.1	29.1	28.9			41.1	67.3	75.1		80.7			120.2	134.2	141.2	
	 	17.4	100.7		136.7			169.3	218.8	256.9	274.2	289.5	308.7	351.5	398.2	433.6	469.1	
PC3	Total							23.9	34.3	39.1		42.6	47.4	55.0	62.1			
	BINII TRI THIE		17.3	22.2	23.5	40.1	20.3	,	-71.5	****	2.12		. •			13.2	18.4	
	-Quang Hinh -Quang Tri															10.2	12.4	
	-Quang 112 -Thua Thien Hue															40.0	14.1	
	QUANG NAM-D		35.7	41.5	48.9	48.	51.8	60.7	67.0	79.4	85.8	87.4	87.5	101.6	114.4	1 123.9	137.0	
	NGNIA BINII		13.7					22.8	27.6	34.1			46.1	48.5	62.2	t		
	Queng Ngal		. 19.1	10.0		• ''11		270								24.8	1 26.3	
	Blob Dish											•				45.9	47.3	
	THU KHANH		25,4	J0,1	30.0	32.	32.1	43,3	68.9	80.4	84.6	88.0	96.	109.7	117.0)		
	-Phu Ven		2.3,4													13.0	16.0	
	-Kiranh Here															115.0		
	GIA LALKON T		3.5	5 5.1	6.7	7.	6 8.6	8.4	10.0	11.0	11.8	13.9) 15.:	5 18.3	23.			
	DAKLAK		5.1					10.2		12.5	3.3	1 14.	1 15.	4 18.3	1 19.	2 24.5	34.5	

Figure 1.1.2-7 Reprot : Sale to Provinces

	Danilana.		1986			1987			1988			1989			1990			1991	
Company	Pruvince	Total	Gov.	Priv.	Total	Gov	Priv.	Total	Gov.	Priv.	Total	Gov.	Priv.	Total	Gov.	Priv.	Total	Gov.	Priv.
PC1	Total	374.8	1146.5	1228.3	2627.5	1360.9	1266.6	2856.8	1504.9	1351.9	3000.3	1444.9	1555.4	3038.3	1417.3	1621.0	3283.4	1407.0	1876.4
	IIA KOI	736.7	238.7	498.0	821.4	293.4	528.0	865.3	331.9	533.4	886.3	320.7	565.6	949.0	323.2	625.8	963.9	197.5	666.4
	HALFHONG	204,7	79.8	124.9	207.7	81.7	126.0	233.0	94.0	139.0	282.6	90.8	191.8	233.0	72.6	160.4	320.3	117.9	202.4
	IIA-NAM-NINIE	146.7	43.7	103.0	156.4	57.3	99.1	182.4	66.5	115.9	223,7	72.1	151.6	259.0	124.1	134.9	239.3	68.3	171.0
	VIND PIEU	151.9	103.0	48,9	163.6	117.3	46.3	174.2	124.2	59.8	167.1	110.1	57.0	133.4	72.9	60.5	185.5	125.9	59.6
	QUANG NINH	181,2	139.7	41.5	193.3	155.0	38.3	207.9	167.4	40.5	198.0	154.9	43.1	126.0	81.5	44.5	183,3	115.6	67,7
	BACTHAL	158.6	130.6	28.0	181.7	153.0	28,7	193.5	163.7	29.8	197.6	165.1	32,5	216.9	190.3	26.6	262.1	207.0	55.1
	HA BAC	96.3	45.3	51.0	1.101	50.5	50.6	193.1	51.8	48.3	107.6	52.4	55.2	136.5	67.7	68.8	155.3	66.7	88.6
	HAFBUNG	163,4	80.5	82.9	193.1	105.9	87.2	208.4	110.7	97.7	222.2	108.0	114.2	217.1	110.1	107.0	222.6	91,3	131.3
	TSIANH HOA	175.8	116,3	59.5	200.0	143.1	56.9	222,4	156.8	65.6	235.8	164.7	71,1	273.9	190.1	83.8	188.9	189.3	99,6
	HA SON BINH	201.1	153.1	48.0	219.1	169.8	49.3	246.8	190.3	56.5	238,4	159.5	78.9	215.8	133.2	82.6	160.9	68.4	92.5
	THAI DIVIL	46.8	5.0	41.8	56.1	5.0	51.1	59.6	5.6	54.0	72.8	5.4	67.4	74.6	3,4	71.2	79.6	2.5	77.1
	HOANG LIEN 5	15.4	1.9	13.5	18.9	5.2	13.7	30.5	14.8	15.7	34.7	17.7	17.0	36.9	17.5	19.4	35.3	17.1	18.7
	LANG SON	15.5	3.6	11.9	19.5	6.0	13.5	21.5	6.8	14.7	25.5	6.1	19.4	23.5	7.4	16.1	21.8	6.6	18.2
	BA TUYEN	14.9	2.7	12.2	17.1	5.5	11.6	18.1	4.8	-13.3	, 19.8	5.8	14.0	19.7	6.0	13.7	24.9	10.3	14.6
	NGHE TINH	58.2	1.4	56.8	69.7	12,2	57.5	82.1	12.6	69.5	79.8	11.6	68.2	169.8	17.3	92.5	120.9	15.1	104.9
	CAO BANG	7.6	1.2	6.4			8.8			8.0			8.4			7.8	7.4	6.0	1.4
	SON LA															3.3	5.5	1.5	4.8
	LAI CHAD															2. F			3,8
PC2	Total	1567.5	470.7	1096.8	1749,4	590.8	1158.6	1968.4	636,8	1323.6	2389.9	642.6	1747.3	2722.0	711.7	2010.3	2966.0	836.6	2129.4
101	T.J.JO CHI MIN	901.6	273.5		988.3	329.7	658.6	1076.7	359.6	117.1	1300.9	356.8	944.1	1421.7	363.6	105B.1	1512.3	442.1	1070,2
	TILUAN IIAE	21.3	1.2		23.8	2.6	21.2	25.6	2.5	23.1	31.8			39.5	2.2	37.3	43.6	2.9	42,7
	LAM DONG	. 30.9	1.7			5.2	31.2	49.0	3.1	36,9	43.7	3.3	40.4	44.1	3.3	40.8	47.5	4,0	43.5
	SONG BE	17.2				11.3	21.2	34.7	10.4	24,3	44.9	11.2	33.7	48.5	9.8	38.7	58,9	12.9	45.1
	TAY NINU	17.6				1.0	18.8	22,8	1.0	21.8	30.4	1.6	28.8	37.4	1.3	36.1	41.9	1.1	40.8
	DONG NAT	233.9				197.5	61.2	279.8	203,9	75.9	297.8	196.5	101.3	169.4	250.7	118.7	383.5	264,1	119.
	LONG AN	20.2				0.4	25.3	30.7	0.3	30.4	45.4	1.2	44.2	54.1	0.9	53.2	61.8	1.2	60.0
	DONGTHAP	18.4				0.2	21.3	28,7	0.1	28.6			38.3	46.7	0.1	46.6	55.6	0.4	55.7
	TIEN CIANG	33.3				1.8	14.0	43.9	2.3	41.6	64.1	2.4	61.7	74.2	3.1	71.1	79.6	2.3	77
	BEN TRE	14.4		14.3			17.7			21.3	24.9	0.1	24.8			28.6			35
	CUULONG	24.1			27.1	1.4	25.7	32.8	2,5	30.3	45.6	0.9	44,7	54.7	1.6	53.1	58.3	1.5	56.8
	RAU CIANG	59,2				15.3		77.0	16.0	61.0	100.8	15.9	#1.9	122,0	15.2	106.8	134.2	15.4	(18.1
	AN GIANG	23.1						35.2	0.2	35.0	49.7	0.3	49.4	58.3	0.4	57.9	66.7	0.0	66,
	KIEN GIANG	19.5								29.8	56.0	8.5			23.8			53.3	66.
	AUNU HAL			10.9)		12.1			12.5			. 19.3			28.9			42.
	VUNG TAU-CON	31.1	6.3	24.8	46.7	29.1	17.6	58.2	34.9			41.4			35.7			35.1	
	Hen the M.Trung			30.7			91.6			110.7			120.2			134.7		····	141.
l,C3	Total	189.5	63,9	215.6	308.7	83.0	225.7	351.5	88.8	262.7	398.2	84.3	314.0	433.8					
	DINH TRI THEE	42,6	3.6	39.6	47.4	7.1	40.3	55.0	6.3	48,7	62	J 6.	56.7						
	QUANG NAM-D	87.4	19,	68.4	87.5	22.5	65.2	101.6	23.6	78.0	114.								
	NGISSA DINI	42.5	2.5	9 40.0	3 46.1	5.5	40,6	48.8	5.7	43.1	61.	2 5.							
	PHŲ KILANII	88.0	37.	6 51.0	96.8	45.0	51.8	1 109.7	50.1	59.0	117.	9 46.							
	GIA LAT-KON T	13.9	0.	4 13,:	5 15.5	1,2	14.7	18.3	t 1.3	16.9	1 J.								
	DAKLAK	14.	0.0	6 13.5	5 15.4	1.6	3 13.0	18,3	1.8	16	19.	2 1.3	8 17	24.	5 2,9	21.	6 24.5	5 3.5	2 6

Figure 1.1.2-8 Report : Sale to Government and Private

							•	Fuel (Consumption	nption								
Company Fuel	y Fuel	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992
All PC Coal	Coal	837.5	837.5 984.3 1079.1	1079.1	1105.9	1012.2	1001.6	1043.0	1096.9	1268.1	1277.7	1417.0	1610.0	1788.1	1408.0	1056.3	726.2	
	Diesel Oil	72.8	70.6	74.2	72.0	82.2	91.4	90.2	106.7	103.1	112.4	108.4	110.5	118.1	121.9	117.9	85.2	
	Fuel Oil	192.6	154.7	148.8	121.3	95.4	122.4	132.7	206.4	169.2	199.7	268.7	303.7	274.4	207.4	233.7	298.3	
	Distillate Oil (1.4	0.3	0.7	9.7	2.6	8.6	23.0	62.6	41.5	36.0	16.1	21.2	32.5	15.9	22.2	27.9	
	Gas (Turbine)						7.4	17.4	20.5	36.7	34.5	34.6	37.4	33.2	13.2	2.8	17.6	
	Fuel Oil (with	5.3	11.3	25.1	16.1	23.9	23.0	19.6	23.3	23.3	28.8	32.4	36.6	37.2	18.3	9.6	7.3	
PC1	Coal	837.5	984.3	1079.1	1105.9	1012.2	1001.6	1043.0	1096.9	1268.1	1277.7	1417.0	1610.0	1788.1	1408.0	1056.3	726.2	
	Diesel Oil	5.5	14.6	16.5	13.1	12.3	14.1	8.6	5.2	1.8	8.0	2.1	2.8	3.2	2.6	1.9	3.4	
	Distillate Oil (0.5	9.6	7.4	8.5	22.3	58.8	40.6	32.3	13.1	16.1	28.0	4.8			
	Gas (Turbine)	٠			٠		7.4	17.4	20.5	36.7	34.5	34.6	37.4	33.2	13.2	2.8	17.6	
	Fuel Oil (with	5.3	11.3	25.1	16.1	23.9	23.0	19.6	23.3	23.3	28.8	32.4	36.6	37.2	18,3	9.6	7.3	
PC2	Diesel Oil	46.0	30.2	25.9	22.8	31.3	35.8	38.2	49.4	39.5	45.3	36.6	32.7	27.5	21.0	24.5	33.2	
	Fuel Oil	192.6	154.7	148.8	121.3	95.4	122,4	132.7	206.4	169.2	199.7	268.7	303.7	274.4	207.4	233.7	298,3	
	Distillate Oil (1.4	0.3	0.2	0.1	0.2	0.1	0.7	3.8	0.9	3.7	3.0	5.1	4.5	11.1	22.2	27.9	
PC3	Diesel Oil	21.3	25.8	31.8	36.1	38.6	41.5	43,4	52.1	61.8	6.99	7.69	75.0	87.4	98.3	91.5	48.6	

Figure 1.1.2-9 Report: Fuel Consumption

			-					Peak Load	Load									
Сошрапу	Month	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992
PC1	1-	225.8	292.7	259.7	367.7	366.4	309.4	391.5	326.0	391.8	514.4	482.0	598.0	593.0	775.0	936.0	902.0	
	2	225.6	299.6	287.7	371.5	309.0	336.1	338.8	358.1	394.0	460.8	575.0	550.0	591.0	785.0	871.0	1048.0	
	· "	231.0	291.7	323.0	327.2	278.1	294.2	366.0	332.4	373.6	441.5	497.0	543.0	529.0	718.0	797.0	864.0	
	. 4	230.5	292.9	296.9	313.0	303.5	291.6	327.0	325.4	349.9	445.2	454.0	503.0	519.0	648.0	743.0	847.0	
	· vo	234.1	267.8	290.3	329.0	287.6	308.6	290.6	293.2	358.8	416.6	461.0	472.0	538.0	620.0	790.0	882.0	
	, ve	244.7	208.7	304.3	335.7	278.5	291.1	291.8	295.0	372.5	406.8	422.0	488.0	535.0	628.0	785.0	983.0	
		261.8	241.4	297.0	320.7	259.5	372.5	288.7	310.0	370.2	412.0	479.0	481.0	564.0	640.0	762.0	968.0	
	. 00	246.0	274.5	304.7	305.5	284.7	283.6	300.8	306.7	371.0	427.4	483.0	461.0	560.0	663.0	817.0	964.0	
	 	257.9	264.4	325.3	323.3	285.8	323.8	297.9	324.8	422.0	399.5	536.0	482.0	547.0	677.0	870.0	998.0	
	. 01	257.0	272.2	335.4	328.0	288.8	333.5	319.7	354.9	423.5	440.5	526.0	506.0	542.0	685.0	848.0	1013.0	
	: Ξ	264.8	254.3	350.9	323.7	294.9	365.8	348.0	397.8	437.4	448.3	\$23.0	524.0	581.0	801.0	839.0	1006.0	
	1 21	270.6	294.0	348.2	306.7	270.5	385.7	340.3	444.5	414.9	473.0	594.0	564.0	567.0	786.0	870.0	1005.0	
PC2	-		197.4	225.7	232.6	228.5	270.6	249.9	284.2	288.0	320.6	286.0	347.0	399.0	490.0	611.3	650.4	
}	7		202.8	227.5	240.8	232.2	279.3	267.4	286.2	299.1	292.7	312.0	349.0	390.0	480.0	644.5	645.0	
			208.2	240.1	235.8	237.9	286.5	285.3	328.8	282.9	300.3	307.0	345.0	393.0	499.0	621.9	642.0	
	. 	204.5	208.1	233.4	216.7	234.5	273.7	269.4	294.3	284.2	294.5	304.0	360.0	381.0	532.6	9.909	622.9	
	v	205.3	216.7	233.1	216.2	238.0	275.0	267.2	265.9	292.8	296.1	315.0	349.0	408.0	519.0	637.9	664.8	
٠	9	204.0	215.6	240.9	223.3	211.5	257.2	274.7	265,3	276.0	220.0	309.0	348.0	415.0	339.0	563.3	639.7	
٠.		194.7	209.8	243.6	223.4	232.2	259.4	269.5	271.7	281.8	298.8	315.0	350.0	417.0	578.0	620.9	625.3	
	0 0	188.7	207.4	235.4	213.7	234.2	260.5	260.5	265.9	292.0	307.5	323.0	332.0	423.0	578.0	2.909	656.5	
	6	189.2	209.0	237.4	228.2	244.5	259.3	285.7	270.0	293.7	308.0	379.0	375.0	432.0	570.0	616.1	642.7	
	01	197.7	207.7	234.2	232.8	262.2	249.6	296.6	282.2	287.4	303.3	347.0	376.0	441.0	565.0	650.4	0.699	
-	=	203.2	227.9	239.7	240.8	266.6	259.0	293.2	283.6	334.0	305.4	356.0	380.0	470.0	589.0	645.0	711.5	
	12	688.9	227.0	245.1	236.2	265.7	261.1	280.8	288.3	320.2	285.0	346.0	374.0	490.0	590.0	655.0	678.7	

Figure 1.1.2-10 Report: Peak Load

								Own	Own Use and Loss	1 Loss			·					
Compa	Company Item	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992
Own Use	se																	
All PC	All PC Average	6.59	6.16	5.80	5.94	5.78	5.77	5.93	6.56	6.32	6.30	7.98	6.79	08.9	5.69	4.15	3.43	
֖֖֖֖֖֖֖֖֖֖֖֚֝֞֞֟֝֟֟֟֟֟	Average	8.18	8.08	7.66	8.00	8.78	8.48	8.58	9.28	9.13	8.94	9.33	9.41	9.32	8.12	5.80	4.19	
}	Thermal	8.01	8.03	7.56	7.97	11.26	11.51	11.73	12.93	12.03	10.93	11.30	10.79	10.40	12.00	12.60	12.80	
	Hydro	0.29	0.32	0.25	0.24	0.29	0.20	0.23	0.28	0.27	0.31	0.24	0.33	0.40	0.40	0.30	0.30	
	Diesel	4.48	4.24	3.54	3.05	3.12	3.24	3.08	2.46	3.40	4.66	4.58	3.42	3.80	3.70	3.70	3.80	
	Gas Turbine				0.85	0.48	0.18	0.17	0.11	0.22	0.49	0.72	0.70	0.50	1.00	5.10	1.00	
PC2	Average	4.86	3.69	3,48	3.14	2.40	2,66	2.97	3.60	2.94	3.23	3.42	3.35	3.03	2.65	2.50	2.58	
}	Thermal	8.16	8.76	8.86	9.34	9.49	8.53	8.37	96.9	7.29	7.26	6.05	5.83	6.50	98.9	9.90	6.59	
	Hydro	0.86	0.41	0.40	0.38	0.34	0.35	0.35	0.35	0.32	0.33	0.34	0.33	0.47	0.40	0.40	0.44	
	Diesel	2.68	2,55	2.18	2.54	2.32	2.55	2.50	2.73	2.12	1.74	1.92	1.99	1.90	1.70	2.50	2.52	
-	Gas Turbine	8.00	5.10	5.20		3.65	5.20	7.43	2.56	7.58	1,61	1.96	1,14	1.30	1.26	1.10	1.14	Ì
PC3	Average	2.52	1.99	2.47	2.58	3.10	2.47	2.34	2.25	2.19	2.28	2.18	2.50	2.60	2.40	2.80	2.55	
Loss																		
All PC	,.	19.80	20.60	21.50	21.86	23.53	20.55	20.50	20.30	19.86	18,30	19.98	18.30	20.60	22.70	25.68	24.34	
PC1		15.47	16.65	17.91	16.87	17.68	18.35	18.10	18.22	17.74	17.42	19.03	17.98	18.63	25.10	29.40	27.67	
PC2		23.23	22.98	21.78	22.66	24.26	23.50	23.94	22.30	21.99	19.99	20.38	19.11	22.15	19.97	19.15	19.76	
ຼິ		19.10	15.99	15.89	15,98	15.45	15.65	15.71	15.01	14.85	15.00	14.22	14.15	18.12	16.40	21.00	25.74	

Figure 1.1.2-11 Report: Own Use and Loss

									n Prov									
	Province	1980	1981	1982	198 J	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	199
All PC	Average	23.53	20.55	20.50	20.39	19,86	18,30	19.98	18,30	20,60	22.70	25.68	24.34					
PCI	Average	17.68	18.35	18.10	18.22	17.74	17.42	19.03	17.98	18.63	25.10	29.40	27.67					
	HA NOI	12.25	15,00	18.00	15.36	18.41	15.94	16,75	16.64	16.25	27.02	27.48	26.60					
	IIAI PHONG	14.30	19.35	17.95	14.60	£0.£1	14.20	14.87	14.61	15.20	24.25	44,65	40.69					
	IIA-MAM-AII	14.30	19.30	17.90	14.69	11.99	11.87	12.47	13.09	13.40	17.99	29.14	32.27					
	VINII PILU		3.89	1,94	5.10	5.75	6.02	6.32	6.51	6.67	10.12	16.32	15.48					
	QUARG NIN	2.50	7.35	5.84	6.20	4.59	7.15	8.02	8.53	8.87	9.69	13.87	14.40					
	BAC THAI	5.28	4.16	7.70	7.99	7.13	6.96	7.69	7.88	13,41	14.66	13.70	16.06					
	HA BAC	8.40	4,78	8.10	7.48	1.17	7.30	7.18	7.11	7.03	13,29	17,24	16.54					
	HALRUNG					7.42	12.10	13.51	15.64	13.90	17.29	47.05	33.47					
	AOH HOAHT	10.80	11.20	9.46	8.30	6.41	10.98	11,93	11.87	12.42	17.18	28.18	22.71					
	IIA SON BIN					4.58	17.47	13,47	13.95	14.42	14.19	16.44	17,60					
	THAI BINH					16.63	16,42	[6,12	15.74	15.42	15.39	15.74	19.83					
	HOANG LIE		4.18	4.00	10.65	13.74	10.54	10.66	9.30	11.52	16.37	29.17	24.74					
	LANG SON					9.41	11.63	11.92	12.61	13.17	14.04	31.40	35,30					
	IIA TUYEN					5.39	7.49	6.09	9.02	12.00	15.58	28.57	22.72					
	NGHE TINH	9.60	9.10	8.80	8.70	11.55	6.71	10.14	10.35	10.00	17.39	17.96						
	-Nghe An												20.38					
	-Ha Tinh																	
	CAO BANG							13.71	12,62		12.16	16.37	28.50					
	SON LA												27.62					
	LAI CHAU												12.05					
PC1	Average	24.16	23.50	23,94	22,30	21.99	19.99	20.38	19.11	22.15	19.97	19.15	19.76		• • • • • • • • • • • • • • • • • • • •			
	T.P.HO CHI	19.98	20.02	20.52	18.23	17.50	15.84	15.24	15.69	20.00	17.25	17.11	17.10					
	THUAN HAL	15.52	14.43	16.68	15.03	13.20	10.23	11.03	12.29	11.91	11.91	12.56	12.50					
	LAM DÖNG	16.46	18.39	19.18	18.76	14.68	21.21	19.23	14.77	15.22	15.66	18.81	18.80					
	SONG BE	14.59	14.18	18.33	15.50	15.91	13.09	13.14	. 14.25	13.05	16.12	19.78	19.70					
	TAY NINH	15.54	11.05	17.24	17.85	14.85	10.61	10.67	20.89	24.38	20.72	12.0 t	12.00					
	DONG NAI	10,75	13.65	13.21	11.40	10.00	10.94	10.12	10.12	8.03	9.48	10.32	10.30					
	LONG AN	13.51	13.09	13.96	11.19	10.40	9.22	10.66	9.66	12.03	13.52	15.15	. 15.10					
	DONG THAP	16,29	20.67	20.96	19.07	21.56	18.74	17.45	18,22	14.54	15.87	15.41	15,40					
	TIEN GIANG	15.80	10.36	13.93	10.95	11.68	10.45	11.96	12.69	11.27	10.91	10.91	10,90					
	BEN TRE	26.63	21.99	28,42	25.58	24,37	19.39	21.02	19.82	20.35	19.18	19.67	13.90					
	CUU LONG	23.59	15.60	14.45	12.42	7.33	4.74	7.07	10.42	8.64	8.57	17.76	9.50					
	HAU GIANG	24.08	23.12	15.35	24.14	26,66	14.01	19.05	16.60	15.23	14.74	13.96	12.70					
PC2	AN GIANG	17.45	11.93	12.91	14.47	13.30	10.05	7.92	7.56	9.42	8.98	9.52	19.60					
	KIEN GIANG	15.48	11.65	14.49	16.29	13.09	10.94	11,44	8.89	11.08	12.50	12.79	2.70					
	MINII IIAI	27.39	23,14	27.10	18.05	24.59	23.10	24.02	17.10	21.41	18.17	24,68	24.60					
	YUNG TAU	25.05	22.33	23.55	19.30	20.11	17.62	21.37	12.84	16.78	20.96	14.40	14.40					
PC3	Average	15,45	15.65	15.71	15.01	14.85	15.00	14.22	14.15	18.12	16.40	21.00	25.74					· · · · · ·
	BINH TRI T	15.30	14.70	17.50	15.78	16.77	17.60	17.30	19.60	19.30	21.20							
	-Quang Binh											21.36	13.97					
	-Quang Tri											38.91	19.63					
	-Thua Thien											23,97	24,17					
	QUANG NA	17.00	16.52	13.90	16.77	16.45	15.90	15.40	17.00	17.20	15.80	17.30	21.47					
	NGHIA BINII	13.90	12.80	17.81	14.03	12.49	12.00	11.40	13.60	22,00	14.20							
	-Quang Ngai											14.30	14.15					
	-Binh Dinh											15.80	19.30					
	PHU KHANII	15.00	17.40	14.39	13.03	13.39	14.50	12.80	13.00	18.40	14.00							
	-Phu Yen						5					19.03	18.97					
	-Khanh Hoa											17,70	17,90					
	GIA LAI-KO	12.00	12.90	13.71	11.73	13.92	14.70	13.90	14.60	13.80	16.30							
	-Gia Lai	- 24.4.5										34.10	33.38					
	-Ken Tum																	
	DAK LAK	17,00	16.10	12.24	15.00	14,65	[4.70	12.40	12.40	12.50	16.10	20.00	31.38					

Figure 1.1.2-12 Report : Loss in Provinces

1976 1977 1978 1979 1980 1981 1982 1984 1983 1984 1983 1984 1983 1984 1983 1974 40718 4778 50647									Supply	Supply and Demand	eman	_	-			•			
Generation 2964.6 3353.6 3705.4 3775.6 3559.1 3726.3 3774.4 4071.8 4778.6 5064.7 Hydro 831.0 1333.1 1330.8 1475.1 1488.2 1506.9 1523.2 1509.0 1477.1 Hydro 275.6 264.8 289.6 285.7 316.0 333.6 330.6 150.0 1477.1 Own Use 195.5 264.8 289.6 285.7 31.6 335.6 270.8 302.0 150.7 Loss 550.7 648.4 750.4 324.1 265.8 270.8 302.0 335.9 Loss 550.7 648.4 750.4 324.1 265.9 166.7 366.5 Agriculture 218.1 250.6 282.0 233.2 310.4 362.3 302.0 Agriculture 218.1 226.1 235.9 137.4 1499.0 1659.4 137.4 304.1 366.5 House Hold 736.7 282.0 235.2	Compan	v Item	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987.	1988	1989	1990	1991	1992
Centeration 255.9 1955.2 2093.8 177.5 144.4 1881.6 2242.4 2616.2 3017.7 Hydro 831.0 1355.2 2083.8 2023.3 1447.5 1488.7 150.9 1523.2 150.0 157.4 402.2 Gas Turbine 3.1 0.5 1.2 20.1 14.2 41.4 101.6 216.7 130.0 147.1 Loss 550.7 648.4 750.4 825.4 827.4 87.7 69.6 86.1 87.3 Loss 550.7 648.4 750.4 250.7 648.4 750.4 87.4 71.2 101.6 216.7 101.8 101.6 216.7 101.8 101.6 216.7 101.8 101.7 101.8 101.7 101.8 101.7 101.8 101.7 101.8 101.7 101.8 101.8 101.7 101.8 101.8 101.8 101.7 101.8 101.8 101.8 101.8 101.8 101.8 101.8 101.8 <th></th> <th></th> <th>3 6300</th> <th>32536</th> <th>2705.4</th> <th>37756</th> <th>3550.1</th> <th>3726.3</th> <th>3974.4</th> <th>4071.8</th> <th>4778.6</th> <th>5064.7</th> <th>5526.7</th> <th>6049.7</th> <th>6783.1</th> <th>7791.9</th> <th>8678.5</th> <th>9151.6</th> <th>9652.1</th>			3 6300	32536	2705.4	37756	3550.1	3726.3	3974.4	4071.8	4778.6	5064.7	5526.7	6049.7	6783.1	7791.9	8678.5	9151.6	9652.1
Hydro 8310 1333, 1437, 263.0 1475, 1482, 1506, 1559, 1559, 1472, 1509, 1472, 1509, 1472, 1509, 1472, 1509, 1472, 1509, 1472, 1509, 1472, 1509, 1472, 1509, 1472, 1509, 1472, 1509, 1472, 1509, 1557, 1509, 1557, 1509, 1557, 1509, 1557, 1509, 1557, 1509, 1557, 1509, 1557, 1509, 1557, 1509, 1557, 1509, 1557, 1509, 1557, 1508, 1509, 1	All PC	Generation	0.+067	1066.3	3063.0	2000	1740 7	1844.4	1981.6	2242.4	2616.2	3017.7	3627.1	4155.2	4432.9	3462.0	2841.1	2424.7	1775.3
Hydro College 245.8 289.6 289.6 335.6 331.6 <	:	Ibermai	631.0	1333.1	1330.8	14.17 \$	14887	1506.9	1559.6	1223.2	1599.0	1472.1	1401.9	1375.7	1785.5	3825.3	5368.7	6316.5	7881.1
Diesel 77.50 202.0 202.1 71.0		Hydro	0.1.ce	1.55.1	0.000	306.7	316.0	YEEL	331 6	389.5	373.4	409.2	394.6	400.7	425.6	436.5	410.7	309.4	748.7
Own Use 195.5 206.7 21.0 205.1 21.0 205.2 21.0 225.0 235.0	. :	Diesel	9.0/7	8.407	0.707	70.7	147	41.4	101.6	216.7	190.0	165.7	103.1	118.1	139.1	68.1	58.0	101.0	13.4
Own Use 150.3 200.7 127.3 200.7 127.3 200.7 127.3 200.7 127.3 200.7 120.8 66.4 874.3 120.3 260.3 864.1 874.3 Demand 2138.4 498.5 1740.1 1726.1 2515.9 2799.1 298.1 3104.1 3612.5 386.5 Agriculture 218.1 251.8 199.6 182.4 1499.0 1659.4 1738.1 207.4 211.2 Transportatio 218.1 251.8 290.6 282.0 223.1 260.1 312.4 324.1 382.4 311.2 Transportatio 27.7 21.1 24.8 42.9 34.4 34.4 324.1 382.4 427.7 House Hold 738.7 790.4 791.5 673.3 647.5 694.4 718.4 427.7 30.6 38.5 35.0 38.5 35.0 38.5 35.9 House Hold 738.7 189.9 189.8 140.7 140.7	٠	Gas Jurbine	3.7	200	214.0	224.1	205.8	215.0	235.6	270.8	302.0	323.9	377.2	414.7	447.7	444.0	378.7	338.6	
Agriculture 218.4 2498.5 2740.1 2755.1 2799.1 396.1 3612.5 3866.5 Industry 1117.7 1298.5 1491.0 1498.0 1377.4 1499.0 1659.4 1738.1 2027.4 2113.6 Agriculture 218.1 251.8 290.6 282.0 232.1 260.1 312.4 324.1 382.4 477.7 Non-Industry 116.2 136.7 152.2 229.9 223.1 260.1 312.4 324.1 382.4 477.7 House Hold 738.7 790.4 791.5 673.3 647.5 694.4 718.0 768.5 857.2 306.8 38.7 Generation 1605.5 1839.1 2085.5 1430.7 1434.9 372.3 36.7 36.8 38.7 Generation 1605.5 1839.1 208.8 1420.7 1434.9 372.1 36.7 36.4 377.1 Hydro 383.3 353.9 444.5 500.6 373.8		Cwn Use	550.7	648.4	750.4	825.4	837.4	712.2	755.7	6.969	864.1	874.3	1003.0	1035.1	1309.4	1684.5	2115.0	2259.3	2453.2
Industry 1117.7 1298.5 1481.0 1377.4 1499.0 1659.4 1738.1 2027.4 2113.6 Industry 1117.7 1298.5 1481.0 1498.0 1377.4 1499.0 165.1 242.8 307.0 308.5 Non-Industry 116.2 136.7 152.2 229.9 223.1 260.1 312.4 324.1 382.4 427.7 Transportatio 27.7 21.1 24.8 42.9 34.4 34.4 37.2 30.6 38.5 38.9 38.4 44.7 36.1 36.4 37.2 30.0 38.5<		1,038	3318.4	2408.5	2740 1	2726.1	2515.9	2799.1	2983.1	3104.1	3612.5	3866.5	4146.5	4599.9	5026.0	5663.4	6184.8	6573.7	6931.2
Agriculture 218.1 251.8 290.6 282.0 233.5 311.2 256.1 242.8 307.0 308.5 Non-Industry 116.2 136.7 152.2 229.9 223.1 260.1 312.4 324.1 382.4 427.7 Transportatio 27.7 21.1 24.8 42.9 34.4 34.4 37.2 30.6 38.5 35.9 House Hold 738.7 790.4 791.5 673.3 647.5 694.4 718.0 768.5 857.2 980.8 House Hold 738.7 790.4 791.5 673.3 647.5 694.4 718.0 768.5 857.2 980.8 Hydro 1605.5 1839.1 2085.5 2187.6 1869.8 1995.9 2115.0 2144.4 2646.7 2848.9 Diesel 20.1 1430.7 1559.8 1596.8 1420.7 1434.9 1552.5 1552.6 2016.1 2302.1 Hydro 20.0 0.0 0.8 19.9 133.8 467.4 459.5 390.7 436.2 385.7 Diesel 20.1 34.8 159.7 175.0 164.2 169.3 181.5 204.0 241.6 254.7 150.0 Demand 1229.0 131.3 148.6 159.7 175.0 164.2 169.3 181.5 204.0 241.6 254.7 150.0 Demand 1229.0 1360.0 1514.8 1531.3 1259.8 1503.8 1603.9 1655.2 1991.4 2148.5 140.0 Physical 1229.0 1360.0 1514.8 1531.3 1259.8 1503.8 1603.9 1655.2 1991.4 2148.5 140.0 Physical 1229.0 1360.0 1514.8 1531.3 1269.8 1503.8 1603.9 1655.2 1991.4 2148.5 175.0 164.5 1691.0 1991.4 1991.4 110.5 1691.0 120.0 120.8 133.1 116.5 169.8 138.1 163.3 198.7 202.4 248.5 209.9 352.9 449.7 Physical Physical 120.0 20.9 23.3 33.3 24.3 24.5 260.5 277.5 299.9 352.9 449.7 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10		Yndustry	1117.7	1298.5	1481.0	1498.0	1377.4	1499.0	1659.4	1738.1	2027.4	2113.6	2197.0	2384.1	2589.7	2621.0	2845.0	3069.1	
Non-Industry 116.2 136.1 132.2 223.1 260.1 312.4 324.1 382.4 427.7 Transportatio 77.7 21.1 24.8 42.9 34.4 34.4 37.2 30.6 38.5 35.9 House Hold 738.7 790.4 791.5 673.3 647.5 694.4 718.0 768.5 857.2 980.8 Generation 1605.5 1839.1 2085.5 2187.6 1869.8 1995.9 2115.0 2144.4 2646.7 284.8 35.0 Hydro 383.3 353.9 444.5 500.6 373.8 467.4 459.5 390.7 466.7 284.8 Diesel 20.1 54.5 80.4 70.3 61.5 52.4 459.5 30.7 448.9 36.7 30.7 448.9 36.7 30.7 448.9 36.7 30.0 26.0 37.8 41.2 40.0 26.0 44.5 45.8 45.8 32.8 40.7 45.9	-	Agriculture	218.1	251.8	290.6	282.0	233.5	311.2	256.1	242.8	307.0	308.5	332.2	387.2	441.0	462.3	586.8	808.6	
House Hold 738.7 190.4 191.5 673.3 647.5 694.4 178.0 768.5 857.2 980.8 House Hold 738.7 190.4 191.5 673.3 647.5 694.4 718.0 768.5 857.2 980.8 House Hold 738.7 190.4 191.5 673.3 647.5 694.4 718.0 768.5 857.2 980.8 House Hold 738.7 190.4 191.5 673.3 647.5 694.4 718.0 768.5 857.2 980.8 House Hold 217.5 1839.1 2085.5 2187.6 1869.8 1995.9 2115.0 2144.4 2646.7 2848.9 Diesel 20.1 440.0 1559.8 1596.8 1420.7 1434.9 1522.5 1525.6 2016.1 2302.1 Hydro 383.3 353.9 444.5 500.6 373.8 467.4 459.5 390.7 436.2 246.0 Diesel 20.1 54.5 80.4 70.3 61.5 52.4 32.8 19.6 6.2 2.6 Comn Use 131.3 148.6 159.7 175.0 164.2 169.3 181.5 204.0 241.6 254.7 Demand 1229.0 1360.0 1514.8 1531.3 1259.8 1503.8 1603.9 1655.2 1991.4 248.6 Diesel 1229.0 1360.0 1514.8 1531.3 1259.8 1503.8 1603.9 1655.2 1991.4 248.5 Pagniculture 215.2 242.5 275.8 253.0 193.5 260.5 210.6 192.7 229.1 142.5 House Holds 217.5 218.2 229.3 234.5 212.9 266.3 277.5 299.9 352.9 449.7 E.C. Collection 20.0 160.0 20.8 18.5 20.4 20.4 248.5 20.4 20.4 20.4 20.4 20.4 20.4 20.4 20.4		Non-Industry	116.2	136.7	152.2	229.9	223.1	260.1	312.4	324.1	382.4	427.7	482.3	547.0	600.1	656.5	6.999	590.6	
House Hold 738.7 790.4 791.5 673.3 647.5 694.4 718.0 768.5 857.2 980.8 Generation 1605.5 1839.1 2085.5 2187.6 1869.8 1995.9 2115.0 2144.4 2646.7 2848.9 Thermal 1202.1 1430.7 1559.8 1596.8 1430.9 1522.5 1525.6 2016.1 2302.1 Thermal 1202.1 1430.7 1559.8 1596.8 1430.9 1522.5 1525.6 2016.1 2302.1 Hydro 383.3 353.9 444.5 500.6 373.8 467.4 459.5 390.7 436.2 385.7 Diesel 20.1 54.5 80.4 70.3 61.5 52.4 32.8 19.6 6.2 2.6 Comn Use 131.3 148.6 159.7 175.0 164.2 169.3 181.5 204.0 248.5 188.2 158.5 Demand 1229.0 1360.0 1514.8 1531.3 1259.8 1503.8 1603.9 1655.2 1991.4 2148.5 Agriculture 215.2 242.5 275.8 253.0 193.5 260.5 210.6 192.7 252.1 243.7 Agriculture 215.2 242.5 275.8 253.0 193.5 260.5 210.6 192.7 252.1 243.7 House Hold 217.5 218.2 229.9 234.5 212.9 266.3 277.5 299.9 352.9 449.7 Ed. Collection 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.		Transportatio	27.7	21.1	24.8	42.9	34.4	34,4	37.2	30.6	38.5	35.9	40.6	38.2	38.4	41.4	51.1	53.8	
Generation 1605.5 1839.1 2085.5 2187.6 1869.8 1995.9 2115.0 2144.4 2646.7 2848.9 Thermal 1202.1 1430.7 1559.8 1596.8 1420.7 1434.9 1525.6 2016.1 2302.1 Hydro 383.3 353.9 444.5 500.6 373.8 467.4 459.5 390.7 436.2 385.7 Diesel 20.1 54.5 80.4 70.3 61.5 52.4 32.8 19.6 6.2 2.6 Cas Turbine 0.0 0.0 0.8 19.9 13.8 41.2 100.2 208.5 188.2 158.5 Loss 131.3 148.6 159.7 175.0 164.2 169.3 181.5 204.0 241.6 254.7 Loss 131.3 148.6 159.7 175.0 164.2 169.3 181.5 204.0 241.6 254.7 Demand 1229.0 1514.8 1531.3 1259.8 150.8	٠	House Hold	738.7	790.4	791.5	673.3	647.5	694.4	718.0	768.5	857.2	8.086	1094.4	1243.4	1356.8	1882.2	2035.0	2051.6	
Thermal 1202.1 1430.7 1559.8 1596.8 1420.7 1434.9 1522.5 1525.6 2016.1 2302.1 Hydro 383.3 353.9 444.5 500.6 373.8 467.4 459.5 390.7 436.2 385.7 Eydelo 20.1 54.5 80.4 70.3 61.5 52.4 32.8 19.6 6.2 2.6 Cas Turbine 0.0 0.8 19.9 13.8 41.2 100.2 208.5 188.2 158.5 Own Use 131.3 148.6 159.7 175.0 164.2 169.3 181.5 204.0 241.6 254.7 Loss Demand 1229.0 1360.0 1514.8 1531.3 1259.8 1503.8 1603.9 1655.2 1991.4 2148.2 hydrostry 701.6 790.3 869.3 840.7 691.0 789.2 891.1 944.2 1117.1 1142.5 Non-Industry 67.0 88.1 116.5 169.8 138.1 163.3 198.7 202.4 248.5 293.8 Transportatio 27.7 20.9 23.3 33.3 24.3 26.3 277.5 299.9 352.9 449.7 503.0 202.4 248.5 202.4 249.5 202.4 248.5 202.4 249.5 202.4 249.5 202.4 249.5 202.4 249.5 202.4 249.5 202.4 249.5 202.4 249.5 202.4 249.5 202.4 249.5 202.4 249.5 202.4 249.5 202.4 249.5 202.4 249.5 202.4 249.5 202.4) Ja	Generation	1605.5	1839.1	2085.5	2187.6	1869.8	1995.9	2115.0	2144.4	2646.7	2848.9	3238.6	3537.3	3872.1	4358.6	4868.8	5121.1	\$414.6
Turbine 38.3.3 353.9 444.5 500.6 373.8 467.4 459.5 390.7 436.2 385.7 ro 383.3 353.9 444.5 500.6 373.8 467.4 459.5 390.7 436.2 385.7 Turbine 0.0 0.0 0.8 19.9 13.8 41.2 100.2 208.5 188.2 2.6 5.2 5.6 5.2 5.5 5.2 5.5 5.2 5.5 5.2 5.5 5.2 5.5 5.2 5.5 5.2 5.5 5.5	5.	Thermal	1202.1	1430.7	1559.8	1596.8	1420.7	1434.9	1522.5	1525.6	2016.1	2302.1	2656.0	3064.8	3438.7	2722.3	2000.5	1365.5	636.3
Turbine 0.0 0.8 19.9 13.8 41.2 100.2 208.5 188.2 158.5 Use 131.3 148.6 159.7 175.0 164.2 169.3 181.5 204.0 241.6 254.7 Use 131.3 148.6 159.7 175.0 164.2 169.3 181.5 204.0 241.6 254.7 Use 131.3 148.6 159.7 175.0 164.2 169.3 181.5 204.0 241.6 254.7 Use 131.3 148.6 159.7 175.0 164.2 169.3 181.5 204.0 241.6 254.7 Use 131.3 148.6 159.7 175.0 164.2 169.3 181.5 204.0 241.6 254.7 Use 131.3 148.6 159.7 175.0 164.2 169.3 160.3 160.5 160.0 241.6 254.7 Use 131.3 148.6 159.7 175.0 169.8 150.3 160.3 160.7 160.7 252.1 243.7 Use 132.9 242.5 275.8 253.0 193.5 260.5 210.6 192.7 252.1 243.7 Use 132.2 242.5 275.8 253.0 193.5 260.5 210.6 192.7 252.1 243.7 Use 132.2 242.5 275.8 253.0 193.5 260.5 210.6 192.7 252.1 243.7 Use 132.2 242.5 275.8 253.0 193.5 260.5 210.6 192.7 252.1 243.7 Use 132.2 242.5 275.8 275.8 275.8 275.5 299.9 352.9 449.7	-	Hydro	383.3	353.9	444.5	500.6	373.8	467.4	459.5	390.7	436.2	385.7	477.9	354.6	293.0	1589.5	2856.6	3709.9	5091.1
Turbine 0.0 0.8 19.9 13.8 41.2 100.2 208.5 188.2 158.5 Use 131.3 148.6 159.7 175.0 164.2 169.3 181.5 204.0 241.6 254.7 175.0 164.2 169.3 181.5 204.0 241.6 254.7 131.3 148.6 159.7 175.0 164.2 169.3 181.5 204.0 241.6 254.7 131.3 1259.8 1503.8 1603.9 1655.2 1991.4 2148.2 131.7 40.0 150.0 1514.8 1531.3 1259.8 1503.8 1603.9 1655.2 1991.4 2148.2 131.7 701.6 790.3 869.3 840.7 691.0 789.2 891.1 944.2 1117.1 1142.5 1104.1 116.5 169.8 138.1 163.3 198.7 202.4 248.5 293.8 185.4 116.5 169.8 138.1 163.3 198.7 202.4 248.5 293.8 185.4 10.0 20.8 18.5 10.0 20.8 20.0 20.0 20.0 20.0 20.0 20.0 2		Digeal	20.1	5.4.5	80.4	70.3	61.5	52.4	32.8	19.6	6.2	2.6	7.7	10.1	11.3	8.9	6.1	10.5	7.6
Use 131.3 148.6 159.7 175.0 164.2 169.3 181.5 204.0 241.6 254.7 175.0 164.2 169.3 181.5 204.0 241.6 254.7 175.0 146.8 322.8 329.6 285.2 413.7 446.0 1829.0 1360.0 1514.8 1531.3 1259.8 1503.8 1603.9 1655.2 1991.4 2148.2 1817.3 1701.6 790.3 869.3 840.7 691.0 789.2 891.1 944.2 1117.1 1142.5 iculture 215.2 242.5 275.8 253.0 193.5 260.5 210.6 192.7 252.1 243.7 1800rtatio 27.7 20.9 23.3 33.3 24.3 24.5 260.3 277.5 299.9 352.9 449.7 18.5 209.9 224.5 212.9 266.3 277.5 299.9 352.9 449.7		Gas Turbine	0.0	0.0	0.8	19.9	13.8	41.2	100.2	208.5	188.2	158.5	97.0	107.8	129.1	37.9	5.6	35.2	13.4
245.2 330.5 411.0 481.3 445.8 322.8 329.6 285.2 413.7 446.0 nod 1229.0 1360.0 1514.8 1531.3 1259.8 1503.8 1603.9 1655.2 1991.4 2148.2 significant 215.2 242.5 275.8 253.0 193.5 260.5 210.6 192.7 252.1 243.7 lindustry 67.0 88.1 116.5 169.8 138.1 165.3 198.7 202.4 248.5 293.8 nsportatio 27.7 20.9 23.3 33.3 24.3 24.5 260.3 277.5 299.9 352.9 449.7 lindustry 67.0 80.8 18.5 200.9 20.9 20.9 20.9 20.9 20.9 20.9 20.		Own Use	131.3	148.6	159.7	175.0	164.2	169.3	181.5	204.0	241.6	254.7	302.2	332.9	360.9	353.9	282.4	214.6	167.3
nad 1229.0 1360.0 1514.8 1531.3 1259.8 1503.8 1603.9 1655.2 1991.4 2148.2 nstry 701.6 790.3 869.3 840.7 691.0 789.2 891.1 944.2 1117.1 1142.5 iculture 215.2 242.5 275.8 253.0 193.5 260.5 210.6 192.7 252.1 243.7 Industry 67.0 88.1 116.5 169.8 138.1 163.3 198.7 202.4 248.5 293.8 Isportatio 27.7 20.9 23.3 33.3 24.5 26.0 16.0 20.8 18.5 Ise Hold 217.5 218.2 229.9 234.5 212.9 266.3 277.5 299.9 352.9 449.7		1068	245.2	330.5	411.0	481.3	445.8	322.8	329.6	285.2	413.7	446.0	556.1	571.5	686.4	1006.2	1355.3	1365.4	1475.2
y 701.6 790.3 869.3 840.7 691.0 789.2 891.1 944.2 1117.1 1142.5 ture 215.2 242.5 275.8 253.0 193.5 260.5 210.6 192.7 252.1 243.7 dustry 67.0 88.1 116.5 169.8 138.1 163.3 198.7 202.4 248.5 293.8 ortatio 27.7 20.9 23.3 33.3 24.3 24.5 26.0 16.0 20.8 18.5 Hold 217.5 218.2 229.9 234.5 212.9 266.3 277.5 299.9 352.9 449.7		Domand	1229.0	1360.0	1514.8	1531.3	1259.8	1503.8	1603.9	1655.2	1991.4	2148.2	2380.3	2632.9	2824.8	2998.5	3231.1	3541.1	3772.1
ustry 67.0 88.1 116.5 169.8 138.1 163.3 198.7 202.4 248.5 293.8 rtatio 27.7 20.9 23.3 33.3 24.3 24.5 26.0 16.0 20.8 18.5 (old 217.5 218.2 229.9 234.5 212.9 266.3 277.5 299.9 352.9 449.7		Industri	7016	790.3	869.3	840.7	691.0	789.2	891.1	944.2	1117.1	1142,5	1244.4	1344.3	1464.9	1384.6	1468.0	1433.8	1465.5
y 67.0 88.1 116.5 169.8 138.1 163.3 198.7 202.4 248.5 293.8 iio 27.7 20.9 23.3 33.3 24.3 24.5 26.0 16.0 20.8 18.5 217.5 218.2 229.9 234.5 212.9 266.3 277.5 299.9 352.9 449.7	-	Agriculture	215.2	242.5	275.8	253.0	193.5	260.5	210.6	192.7	252.1	243.7	262.9	308.3	343.6	354.7	166.9	674.0	827.1
io 27.7 20.9 23.3 33.3 24.3 24.5 26.0 16.0 20.8 217.5 218.2 229.9 234.5 212.9 266.3 277.5 299.9 352.9 4		Non-Industry	67.0	88.1	116.5	169.8	138.1	163.3	198.7	202.4	248.5	293.8	336.3	348.9	348.9	355.8	342.1	260.8	207.3
217.5 218.2 229.9 234.5 212.9 266.3 277.5 299.9 352.9		Transportation	27.7	20.9	23.3	33.3	24.3	24.5	26.0	16.0	20.8	18.5	22.8	21.0	20.9	24.0	29.2	27.0	24.8
		House Hold	217.5	218.2	229.9	234.5	212.9	266.3	277.5	299.9	352.9	449.7	513.9	610.4	646.5	879.4	855.7	884.7	897.9
Sale to P.C.3		Sale to PC3															69.2	260.8	349.5

Figure 1.1.2-13a Report: Supply and Demand (a)

Particular 1976 1971 1974 1974 1975 1980 1981 1972 1982 1984 1985 1986 1987 1986 1989 1									Suppl	Supply and Demand	eman)	771		;					
Ceneration 1779,0 1418.1 149,4 145,1 145,1 145,1 145,1 145,1 145,1 145,1 145,1 145,1 145,1 145,1 145,1 145,1 145,1 145,2 145,2 145,2 145,2 145,2 145,2 145,2 145,2 145,2 145,2 145,2 145,2 145,2 11,1 149,4 145,2 145,2 11,1 11,1 149,2 145,2 145,2 11,1 11,1 149,2 145,2 145,2 11,1 11,1 140,2 162,3 136,3 136,3 145,2 <th< th=""><th>Compa</th><th>ny Item</th><th>1976</th><th>1977</th><th>1978</th><th>1979</th><th>1980</th><th>1981</th><th>1982</th><th>1983</th><th>1984</th><th>1985</th><th>1986</th><th>1987</th><th>1988</th><th>1989</th><th>1990</th><th>1991</th><th>1992</th></th<>	Compa	ny Item	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992
Hydro 444,0 77,6 82,1 73,2 4,0 4,1 71,1 100,1 10	, () d	Conoration	1279.0	1418.1	1499.4	1451.0	1544.8	1575.5	1695.2	1732.9	1900.2	1966.4	2025.7	2233.9	2592.3	3068.7	3452.6	3793.1	4012.9
Hydro (44,6) (75,6) (82,0) (94,2) (110,3) (105,5) (106,1) (161,3) (161,3) (161,3) (161,4) (161,3) (161,4) (161,3) (161,4) (161,3) (161,4) (161,3) (161,4) (161	,	Thermal	8 653	574.5	524.0	425.5	326.0	409.5	459.1	716.8	600.1	715.6	971.1	1090.4	994.2	739.7	840.6	1059.2	1139.0
Cast Turbine 3.1 6.5 9.2 1.4 1.9 1.4 9.1 1.4 9.2 1.3 1.4 9.2 9.2 9.3 1.4 9.2 9.3 1.4 9.2 9.3 1.4 9.3 1.4 9.3 1.4 9.3 1.4 9.3 7.5 9.1 9.3 9.3 1.4 9.5 9.3 1.4 9.5 9.3 1.4 9.5 9.5 9.3 9.3 1.4 9.5 9.3 9.3 9.4 9.5 9.3 9.4 9.5 9.3 9.4 9.5 9.3 9.4 9.5 <t< td=""><th></th><td>Tuci mai</td><td>444.0</td><td>9 \$12</td><td>882.0</td><td>942.5</td><td>1110.3</td><td>1035.5</td><td>1096.1</td><td>828.8</td><td>1157.4</td><td>1081.3</td><td>916.9</td><td>1015.5</td><td>1489.4</td><td>2226.4</td><td>2484.0</td><td>2550.0</td><td>2790.0</td></t<>		Tuci mai	444.0	9 \$12	882.0	942.5	1110.3	1035.5	1096.1	828.8	1157.4	1081.3	916.9	1015.5	1489.4	2226.4	2484.0	2550.0	2790.0
Cast Turbine 3.1 6.5 6.4 6.2 6.4 6.2 6.4 6.2 6.4 6.2 6.4 6.2 6.4 6.2 6.4 6.2 6.4 6.2 6.4 6.2 6.4 6.2 6.4 3.1 6.2 6.4 6.2 6.4 6.2 6.4 6.2 6.4 6.2 6.4 6.2 6.4 6.2 6.4 6.2 6.4 6.2 6.4 6.2 6.2 6.2 6.2 6.4 7.2 6.7 6.4 7.2 6.7 6.4 7.2 6.4 7.2 6.7 6.4 7.2 6.7 6.7 6.4 6.7 6.7 6.7 6.7 6.7 6.7 6.7 6.7 6.7 6.7 6.7 6.7 6.7 6.7 6.7 6.7 6.7 6.7 6.7 7.2 7.2 7.2 7.2 7.2 7.2 7.2 7.2 7.2 7.2 7.2 7.2 7.2 7.2 <t< td=""><th></th><td>Diesel</td><td>179.1</td><td>117.5</td><td>93.0</td><td>82.8</td><td>114.1</td><td>130.3</td><td>138.6</td><td>1.6.1</td><td>140.9</td><td>162.3</td><td>131.6</td><td>117.7</td><td>7.86</td><td>76.3</td><td>75.9</td><td>118.1</td><td>739.0</td></t<>		Diesel	179.1	117.5	93.0	82.8	114.1	130.3	138.6	1.6.1	140.9	162.3	131.6	117.7	7.86	76.3	75.9	118.1	739.0
Oyn Use 62.2 56.2 56.2 55.2 45.6 37.1 41.9 50.3 62.4 55.3 63.5 63.4 63.5 63.4 63.5 63.4 63.5 63.4 63.5 63.4 63.5 39.4 63.5 63.4 63.5 39.4 93.2 63.5 60.3 49.5 58.5 58.9 409.9 58.5 60.3 63.4 73.7 73.2		Gas Turbine	3.1	0.5	0.4	0.2	0.4	0.2	1.4	8.2	1.8	7.2	6.1	10.3	10.0	26.3	52.1	65.8	
Loss 285.6 298.0 315.2 318.5 366.5 390.0 372.9 405.7 380.5 398.9 643.4 729.9 405.7 380.5 398.9 643.4 729.7 405.7 390.5 353.5 600.3 643.4 729.7 405.7 380.5 398.9 983.9 983.9 963.9 965.5 380.5 380.5 349.4 416.5 238.1 175.7 1748.1 170.7 1748.1 170.7 1748.1 170.7 1749.2 186.5 349.4 416.5 238.1 175.7 1748.1 170.7 1749.2 186.5 349.4 416.5 175.7 1749.2 186.5 349.3 175.7 186.5 340.6		Own Use	62.2	56.2	52.2	45.6	37.1	41.9	50.3	62.4	55.3	63.5	69.3	74.8	78.5	81.3	86.3	97.9	94.7
Demand 931.2 1063.9 1132.0 1086.9 1142.1 1173.1 1250.9 1522.4 1557.5 1749.2 1963.3 2387.1 272.29 2965.5 3 Industry 407.2 4881.1 567.9 607.3 650.4 693.9 786. 841.8 819.9 894.9 595.3 1197.6 1481.1 148.1 148.1 148.1 148.1 148.1 148.1 148.2 148.2 486.2 179.2 148.2 189.3 894.9 595.4 658.3 76.6 69.3 146.2 110.0 118.0 118.0 169.6 50.4 658.3 106.2 110.0 118.0 118.0 169.2 658.3 76.6 99.5 110.0 118.0 118.0 119.0 118.0 119.0 118.0 119.0 118.0 119.0 118.0 119.0 118.0 119.0 118.0 119.0 118.0 119.0 118.0 119.0 118.0 119.0 118.0 119.0 118.0		Loss	285.6	298.0	315.2	318.5	365.6	360.5	394.0	372.9	405.7	380.5	398.9	409.9	553.5	600.3	643.4	729.7	799.3
Agriculture 0.0 2.6 7.2 15.8 23.6 650.3 696.4 693.9 788.6 841.8 819.9 894.9 959.3 1054.8 1197.6 1448.1 13. Agriculture 0.0 2.6 7.2 15.8 23.6 32.4 26.5 26.5 25.3 32.6 34.9 41.6 52.4 66.8 288.3 1054. Agriculture 0.0 2.6 2.6 7.2 15.8 23.6 32.4 26.5 26.5 29.3 32.6 34.9 41.6 52.4 66.8 288.3 175.2 18.0 47.5 71.3 81.4 98.5 110.0 118.0 118.0 18.0 52.4 66.8 288.3 286.1 18.0 17.4 11.6 11.0 11.4 11.6 11.0 11.4 11.6 11.0 11.4 11.6 11.0 11.4 11.6 11.0 11.4 11.6 11.0 11.4 11.6 11.0 11.4 11.6 11.0 11.4 11.6 11.0 11.4 11.6 11.0 11.4 11.6 11.0 11.4 11.6 11.0 11.4 11.6 11.0 11.4 11.0 11.4 11.6 11.0 11.4 11.6 11.0 11.4 11.6 11.0 11.4 11.0 11.4 11.0 11.4 11.0 11.0		Demand	931.2	1063.9	1132.0	1086.9	1142.1	1173.1	1250.9	1297.6	1439.2	1522.4	1557.5	1749.2	1960.3	2387.1	2722.9	2965.5	3118.9
Agriculture 0.0 2.6 7.2 15.8 23.6 32.4 26.5 26.3 32.6 34.9 41.6 52.4 65.8 71.5 79.2 Non-Industry 48.2 48.6 29.0 47.5 71.3 81.4 98.5 100.6 110.3 110.0 118.0 169.6 220.4 266. 288.3 288.1 280.1 House Hold 6.0 0.0 0.0 2.0 4.5 71.3 81.4 98.5 100.6 110.3 110.0 118.0 169.6 520.4 266. 220.4 266. 288.3 288.1 Submitted 19.4 26.1 29.1 28.9 30.7 31.4 41.1 67.3 75.1 78.1 80.7 91.6 110.7 120.1 134.2 141.2 Submitted 19.4 26.1 29.1 28.9 30.7 31.4 41.1 67.3 75.1 78.1 80.7 91.6 110.7 120.1 134.2 141.2 130.1 Submitted 19.4 26.1 29.1 132.6 14.5 154.9 164.2 194.5 231.7 249.4 70.1 79.1 484.7 560.5 639.4 492.0 Submitted 19.4 26.1 29.1 132.6 140.4 150.9 160.2 190.8 226.3 244.3 70.1 78.1 80.7 91.6 110.7 120.1 134.2 141.2 130.8 141.4 150.6 141.5 120.3 141.5 120.1 134.5 141.5 120.1 134.5 141.5 14		Industry	407.2	488.1	567.9	607.3	630.6	650.3	696.4	633.9	788.6	841.8	819.9	894.9	959.3	1054.8	1197.6	1448.1	1535.4
Non-Industry 48.2 48.6 29.0 47.5 71.3 81.4 98.5 100.6 110.3 118.0 118.0 169.6 20.0 45.5 48.6 48.6 6.6 6.9 7.6 9.8 11.6 11.0 11.4 11.6 11.0 11.4 11.6 11.0 11.6 11.0 11.4 11.6 11.0 11.4 11.6 11.0 11.4 11.6 11.0 11.4 11.6 11.0 11.4 11.6 11.0 11.4 11.6 11.0 11.4 11.6 11.0 11.4 11.6 11.0 11.4 11.6 11.6 11.0 11.4 11.6 11.6 11.6 11.0 11.4 11.6 11.6 11.6 11.0 11.4 11.6 11.6 11.0 11.4 11.6 11.6 11.6 11.6 11.6 11.6 11.6 11.6 11.6 11.6 11.6 11.6 11.6 11.6 11.6 11.6 11.6 11.6		Agriculture	0.0	2.6	7.2	15.8	23.6	32.4	26.5	26.5	29.3	32.6	34.9	41.6	52,4	65.8	71.5	79.2	87.0
Transportatio 0.0 0.0 0.0 5.7 6.6 7.6 9.8 11.6 11.4 11.6 10.5 10.5 10.9 11.6 11.4 11.6 10.5 <		Non-Industry	48.2	48 6	29.0	47.5	71.3	81.4		100.6	110.3	110.0	118.0	169.6	220.4	506.9	288.3	286.1	292.0
House Hold 456, 498, 498, 498, 381.7 379.3 370.7 380, 399.5 424.3 448.9 539.6 539.9 607.0 868.6 1016.8 992.0 II Sale to PC3 19.4 26.1 29.1 28.9 30.7 31.4 41.1 67.3 75.1 78.1 80.7 91.6 110.7 120.1 134.2 141.2 141.2 Supply 99.5 122.5 149.6 165.9 175.2 186.3 205.3 261.8 306.8 377.5 343.1 370.1 429.4 484.7 560.5 639.4 Bought 19.4 26.1 29.1 28.9 30.7 31.4 41.1 67.3 75.1 78.1 80.7 91.6 110.7 120.1 130.1 130.3 40.2 0 50.0 19.6 80.1 96.4 120.5 137.0 144.5 154.9 164.2 134.5 21.7 249.4 26.4 278.5 348.7 364.6 357.4 40.2 0 Diesel 76.4 92.8 116.2 132.6 140.4 150.9 160.2 120.3 244.3 255.3 272.9 316.7 318.7 36.4 327.1 237.4 41.1 67.3 75.1 78.1 80.7 91.6 110.7 120.1 203.4 40.2 0 Diesel 76.4 92.8 116.2 132.6 140.4 150.9 160.2 120.3 244.3 255.3 272.9 316.7 318.7 36.4 327.1 237.4 41.1 67.3 75.4 75.1 77.1 56.0 120.3 132.8 44.7 47.8 48.0 52.7 57.0 31.5 35.1 328.7 180.8 10.0 Diemand 77.6 100.7 122.4 136.8 144.7 153.6 169.4 236.6 25.6 25.6 22.0 24.4 37.3 45.0 165.5 181.6 192.4 183.1 10.0 12.1 13.8 50.0 55.8 59.5 71.9 100.0 121.7 120.3 32.8 44.7 57.0 28.9 28.0 16.5 181.6 192.4 183.1 10.0 10.0 10.0 12.1 12.1 13.8 13.7 15.4 15.2 12.1 12.0 12.0 12.0 12.0 12.1 12.0 12.0		Transportatio	0.0	0.0	0.0	5.7	9.9	6.9		8.6	11.6	11.0	11.4	11.6	10.5	10.9	14.5	18.9	23.8
Sale to PC3 19.4 26.1 29.1 28.9 30.7 31.4 41.1 67.3 75.1 78.1 80.7 91.6 110.7 120.1 134.2 141.2 Supply 99.5 122.5 149.6 165.9 175.2 186.3 265.8 306.8 377.5 343.1 370.1 429.4 484.7 560.5 639.4 Bought 19.4 26.1 29.1 28.9 30.7 31.4 41.1 67.3 75.1 78.1 37.1 489.7 59.5 130.1 20.1 20.3 48.9 37.5 24.8 37.5 34.1 71.1 67.3 75.1 78.1 37.1 484.7 560.5 639.4 Bucked 30.1 36.4 14.6 14.6 16.2 19.2 244.3 25.5 31.7 37.1 48.7 56.2 31.7 34.4 51.7 37.1 48.7 56.2 31.2 31.4 31.7 249.4 26.2 47.2		House Hold	456.4	498.5	498.8	381.7	379.3	370.7		399.5	424.3	448.9	492.6	539.9	607.0	868.6	1016.8	992.0	1035.6
Supply 99.5 122.5 149.6 165.9 175.2 186.3 265.3 261.8 366.8 327.5 343.1 370.1 429.4 484.7 560.5 639.4 Bought 19.4 26.1 29.1 28.9 30.7 31.4 41.1 67.3 75.1 78.1 80.7 91.6 110.7 120.1 203.4 402.0 Generation 80.1 96.4 120.5 137.0 144.5 154.9 164.5 231.7 249.4 262.4 278.5 318.7 364.6 357.1 237.4 Bydrought 3.7 3.6 4.3 4.4 4.1 4.0 4.0 3.7 5.4 5.1 7.1 5.6 31.7 31.2 36.3 26.3 26.3 26.4 37.1 26.4 37.2 36.3 37.2 31.4 5.1 7.1 36.4 37.1 31.4 31.2 31.4 31.4 31.4 31.4 31.4 31.4 31.4 <		Sale to PC3	19.4	26.1	29.1	28.9	30.7	31.4		67.3	75.1	78.1	80.7	91.6	110.7	120.1	134.2	141.2	145.1
Bought 19.4 26.1 29.1 28.9 30.7 31.4 41.1 67.3 75.1 78.1 80.7 91.6 110.7 120.1 203.4 402.0 Generation 80.1 96.4 120.5 137.0 144.5 154.9 164.2 194.5 231.7 249.4 262.4 278.5 318.7 364.6 357.1 230.4 Bydro 3.7 3.6 4.3 4.4 4.0 4.0 3.7 5.4 5.1 7.1 5.6 31.8 364.6 357.1 230.4 Bydro 3.7 3.6 4.3 4.0 4.0 3.7 5.4 5.1 7.1 5.6 31.8 36.7 37.3 38.3 36.4 37.3 36.7 37.3 38.8 40.7 41.8 48.0 53.7 36.1 37.3 46.1 Down Use 19.9 24.2 26.0 28.9 32.1 37.4 48.0 53.7 36.2 37.2 <	524	Sunniv	99.5	122.5	149.6	165.9	175.2	186.3	205.3	261.8	306.8	327.5	343.1	370.1	429.4	484.7	560.5	639.4	719.2
tion 80.1 96.4 120.5 137.0 144.5 154.9 164.2 194.5 231.7 249.4 262.4 278.5 318.7 364.6 357.1 237.4 237.4 3.7 3.6 3.1 3.6 4.3 4.4 4.1 4.0 4.0 3.7 5.4 5.1 7.1 5.6 3.1 9.4 28.1 56.6 3.7 3.8 4.4 4.1 50.9 160.2 190.8 226.3 244.3 255.3 272.9 315.6 351.3 328.7 180.8 3.9 4.2 8.1 6.2 132.6 140.4 150.9 160.2 190.8 226.3 244.3 255.3 272.9 315.6 351.3 328.7 180.8 3.9 4.4 5.1 7.1 5.6 3.1 9.4 28.1 56.6 3.3 3.8 4.4 5.1 7.1 5.6 3.1 9.4 28.1 180.8 3.8 4.4 5.1 5.7 5.7 7.0 8.3 8.8 10.0 6.1 40.2 15.9 19.9 19.9 24.2 25.6 26.0 28.9 32.1 38.8 44.7 47.8 48.0 53.7 69.5 78.0 116.3 164.2 187.2 187.4 187.5 19.0 127.1 129.3 132.7 144.9 165.5 181.6 179.4 187.2 187.4 187.2 19.0 127.1 129.3 132.7 144.9 165.5 181.6 179.4 187.2 19.0 127.1 129.3 132.7 144.9 165.5 181.6 179.4 187.2 19.0 127.1 129.3 132.7 144.9 165.5 181.6 179.4 187.2 19.0 127.1 129.3 132.7 149.9 165.5 181.6 179.4 187.2 19.0 127.1 129.3 132.8 36.5 43.7 129.4 183.3 3.0 3.5 3.0 3.5 3.0 3.5 3.0 3.5 3.5 3.0 3.5 3.5 3.0 3.5 3.5 3.0 3.5 3.5 3.0 5.5 3.	}	Bought	19.4	26.1	29.1	28.9	30.7	31.4	41.1	67.3	75.1	78.1	80.7	91.6	110.7	120.1	203.4	402.0	494.6
ro 3.7 3.6 4.3 4.4 4.1 4.0 4.0 3.7 5.4 5.1 7.1 5.6 3.1 9.4 28.1 56.6 ct. 17.1 5.6 3.1 9.4 28.1 56.6 ct. 17.1 5.6 3.1 9.4 28.1 56.6 ct. 17.1 5.6 3.1 3.2 4.2 18.0 160.2 190.8 226.3 244.3 255.3 272.9 315.6 351.3 328.7 180.8 10.8 Turbine 2.0 1.9 3.0 3.5 4.5 3.8 3.8 4.4 5.1 5.7 5.7 7.0 8.3 8.8 10.0 6.1 Use 2.0 1.9 3.0 24.2 25.6 26.0 28.9 32.1 38.8 44.7 47.8 48.0 53.7 69.5 78.0 116.3 164.2 Ind 77.6 100.7 122.4 136.8 144.7 153.6 169.4 218.6 257.0 274.0 289.4 309.4 351.6 397.9 434.2 469.1 Istry 8.9 20.1 43.8 50.0 55.8 59.5 71.9 100.0 121.7 129.3 132.7 144.9 165.5 181.6 179.4 187.2 Industry 1.0 0.0 6.7 7.6 13.2 16.4 18.3 19.0 23.6 25.6 32.2 34.4 37.3 45.0 41.8 48.4 55.4 Industry 1.0 0.0 6.7 12.6 13.7 15.4 15.2 21.1 23.6 23.9 28.0 28.5 30.8 33.8 36.5 43.7 Instruction 0.0 0.2 1.5 3.9 3.5 3.0 3.6 4.8 6.1 6.4 5.6 5.0 7.0 6.5 7.4 7.9 Instruction 0.0 0.2 1.5 3.9 3.5 3.7 89.7 69.1 80.0 82.2 87.9 93.1 103.3 134.2 162.5 174.9 Instruction 0.0 0.2 1.5 2.3 57.4 59.7 69.1 80.0 82.2 87.9 13.1 103.3 134.2 162.5 174.9 Instruction 0.0 0.2 0.2 0.2 0.2 0.2 0.2 0.2 0.2 0.2		Generation	80.1	96.4	120.5	137.0	144.5	154.9	164.2	194.5	231.7	249.4	262.4	278.5	318.7	364.6	357.1	237.4	224.6
Turbine 1, 6, 4 92, 8 116, 2 132, 6 140, 4 150, 9 160, 2 190, 8 226, 3 244, 3 125, 3 15, 6 351, 3 328, 7 180, 8 Turbine 2, 0 1, 9 3, 0 3, 5 4, 5 3, 8 3, 8 4, 4 5, 1 5, 7 7, 0 8, 3 8, 8 10, 0 6, 1 10, 7, 6 13, 8 10, 1 12, 4 136, 8 144, 7 153, 6 169, 4 218, 6 257, 0 274, 0 289, 4 309, 4 351, 6 35, 8 181, 6 179, 4 187, 2 11, 1 129, 3 132, 7 14, 9 165, 5 181, 6 18, 1 18, 3 19, 0 23, 6 25, 0 32, 3 4, 4 37, 3 45, 0 18, 8 18, 4 15, 4 18, 3 18, 4 15, 3 18, 5 18, 6 18, 3 18, 3 18, 5 18, 6 18, 5	٠	Rydro	3.7	3.6	4.3	4.4	4.1	4.0	4.0	3.7	5.4	5.1	7.1	5.6	3.1	9.4	28.1	26.6	
Turbine Use 2.0 1.9 3.0 3.5 4.5 3.8 3.8 4.4 5.1 5.7 5.7 7.0 8.3 8.8 10.0 6.1 Use 19.9 19.9 24.2 25.6 26.0 28.9 32.1 38.8 44.7 47.8 48.0 53.7 69.5 78.0 116.3 164.2 Ind 77.6 100.7 122.4 136.8 144.7 153.6 169.4 218.6 257.0 274.0 289.4 309.4 351.6 397.9 434.2 469.1 Istry 8.9 20.1 43.8 50.0 55.8 59.5 71.9 100.0 121.7 129.3 132.7 144.9 165.5 181.6 179.4 187.2 Industry 1.0 0.0 6.7 12.6 13.7 15.4 15.2 21.1 23.6 23.9 28.0 28.5 30.8 33.8 36.5 43.7 Insportatio 0.0 0.2 1.5 3.9 3.5 3.0 3.6 4.8 6.1 6.4 5.6 7.0 6.5 7.4 7.9 Istry SEHold 64.8 73.7 62.8 57.1 55.3 57.4 59.7 69.1 80.0 82.2 87.9 93.1 103.3 134.2 162.5 174.9 SEHOLD 10.0 0.2 1.5 10.0 0.0 0.2 1.5 10.0 10.0 10.0 10.0 10.0 10.0 10.0	ē	Diesel	76.4	92.8	116.2	132.6	140.4	150.9	160.2	190.8	226.3	244.3	. 255.3	272.9	315.6	351.3	328.7	180.8	
Use 2.0 1.9 3.0 3.5 4.5 3.8 4.4 5.1 5.7 5.7 7.0 8.3 8.8 10.0 6.1 Hos 19.9 19.9 24.2 25.6 26.0 28.9 32.1 38.8 44.7 47.8 48.0 53.7 69.5 78.0 116.3 164.2 ind 77.6 100.7 122.4 136.8 14.7 153.6 169.4 218.6 257.0 274.0 289.4 309.4 351.6 397.9 434.2 469.1 isstry 8.9 20.1 43.8 50.0 55.8 59.5 71.9 100.0 121.7 129.3 132.7 144.9 165.5 181.1 181.3 190.0 23.6 25.6 32.7 45.9 41.4 45.1 48.4 55.4 45.1 45.1 48.4 48.4 55.4 48.4 48.4 55.4 48.4 48.4 55.4 48.4 45.6 41.8 <th< td=""><th>٠</th><td>Gas Turbine</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>3,9</td><td>0.3</td><td></td><td>٠</td></th<>	٠	Gas Turbine														3,9	0.3		٠
19.9 19.9 24.2 25.6 26.0 28.9 32.1 38.8 44.7 47.8 48.0 53.7 69.5 78.0 116.3 164.2 Lind 77.6 100.7 122.4 136.8 144.7 153.6 169.4 218.6 257.0 274.0 289.4 309.4 351.6 397.9 434.2 469.1 stry 8.9 20.1 43.8 50.0 55.8 59.5 71.9 100.0 121.7 129.3 132.7 144.9 165.5 181.6 179.4 187.2 Lindustry 1.0 0.0 6.7 12.6 13.7 15.4 15.2 21.1 23.6 25.6 32.2 34.4 37.3 45.0 41.8 48.4 55.4 strong 1.0 0.0 0.2 1.5 3.9 3.5 3.0 3.6 4.8 6.1 6.4 6.4 5.6 7.0 6.5 7.4 7.9 seHold 64.8 73.7 62.8 57.1 55.3 57.4 59.7 69.1 80.0 82.2 87.9 93.1 103.3 134.2 162.5 174.9 174.9		Own Use	2.0	1.9	3.0	3.5	4.5	3.8	3.8	4.4	5.1	5.7	5.7	7.0	8.3	86 87.	10.0	6.1	5.7
nd 77.6 100.7 122.4 136.8 144.7 153.6 169.4 218.6 257.0 274.0 289.4 309.4 351.6 397.9 434.2 469.1 sixty 8.9 20.1 43.8 50.0 55.8 59.5 71.9 100.0 121.7 129.3 132.7 144.9 165.5 181.6 179.4 187.2 civilture 2.9 6.7 7.6 13.2 16.4 18.3 19.0 23.6 25.6 32.2 34.4 37.3 45.0 41.8 48.4 55.4 lindustry 1.0 0.0 6.7 12.6 13.7 15.4 15.2 21.1 23.6 23.9 28.0 28.5 30.8 33.8 36.5 43.7 sixportatio 0.0 0.2 1.5 3.9 3.5 3.0 3.6 4.8 6.1 6.4 6.4 5.6 7.0 6.5 7.4 7.9 se Hold 64.8 73.7 62.8 57.1 55.3 57.4 59.7 69.1 80.0 82.2 87.9 93.1 103.3 134.2 162.5 174.9		1086	19.9	19.9	24.2	25.6	26.0	28.9	32.1	38.8	14.7	47.8	48.0	53.7	69.5	78.0	116.3	164.2	178.7
y 8.9 20.1 43.8 50.0 55.8 59.5 71.9 100.0 121.7 129.3 132.7 144.9 165.5 181.6 179.4 187.2 1ture 2.9 6.7 7.6 13.2 16.4 18.3 19.0 23.6 25.6 32.2 34.4 37.3 45.0 41.8 48.4 55.4 dustry 1.0 0.0 6.7 12.6 13.7 15.4 15.2 21.1 23.6 23.9 28.0 28.5 30.8 33.8 36.5 43.7 ortatio 0.0 0.2 1.5 3.9 3.5 3.0 3.6 4.8 6.1 6.4 6.4 5.6 7.0 6.5 7.4 7.9 Hold 64.8 73.7 62.8 57.1 55.3 57.4 59.7 69.1 80.0 82.2 87.9 93.1 103.3 134.2 162.5 174.9		Demand	77.6	100.7	122.4	136.8	144.7	153.6	169.4	218.6	257.0	274.0	289.4	309.4	351.6	397.9	434.2	1.691	534.8
2.9 6.7 7.6 13.2 16.4 18.3 19.0 23.6 25.6 32.2 34.4 37.3 45.0 41.8 48.4 55.4 y 1.0 0.0 6.7 12.6 13.7 15.4 15.2 21.1 23.6 23.9 28.0 28.5 30.8 33.8 36.5 43.7 io 0.0 0.2 1.5 3.9 3.6 4.8 6.1 6.4 6.4 5.6 7.0 6.5 7.4 7.9 64.8 73.7 62.8 57.1 55.7 59.7 69.1 80.0 82.2 87.9 93.1 103.3 134.2 162.5 174.9		Industry	8.9	20.1	43.8	50.0	55.8	59.5	71.9	100.0	121.7	129.3	132.7	144.9	165.5	181.6	179.4	187.2	196.0
y 1.0 0.0 6.7 12.6 13.7 15.4 15.2 21.1 23.6 23.9 28.0 28.5 30.8 33.8 36.5 43.7 io 0.0 0.2 1.5 3.9 3.5 3.0 3.6 4.8 6.1 6.4 6.4 5.6 7.0 6.5 7.4 7.9 64.8 73.7 62.8 57.1 55.3 57.4 59.7 69.1 80.0 82.2 87.9 93.1 103.3 134.2 162.5 174.9		Apriculture	2.9	6.7	7.6	13.2	16.4	18.3	19.0	23.6	25.6	32.2	34.4	37.3	45.0	41.8	48.4	55.4	6.09
io 0.0 0.2 1.5 3.9 3.5 3.0 3.6 4.8 6.1 6.4 6.4 5.6 7.0 6.5 7.4 7.9 64.8 73.7 62.8 57.1 55.3 57.4 59.7 69.1 80.0 82.2 87.9 93.1 103.3 134.2 162.5 174.9		Non-Industry	1.0	0.0	6.7	12.6	13.7	15.4	15.2	21.1	23.6	23.9	28.0	28.5	30.8	33.8	36.5	13.7	50.5
64.8 73.7 62.8 57.1 55.3 57.4 59.7 69.1 80.0 82.2 87.9 93.1 103.3 134.2 162.5 174.9		Transportatio	0.0	0.2	1.5	3.9	3.5	3.0	3.6	8.4	6.1	6.4	6,4	5.6	7.0	6.5	7.4	7.9	7.5
	•	House Hold	64.8	73.7	62.8	57.1	55.3	57.4	59.7	69.1	80.0	82.2	87.9	93.1	103.3	134.2	162.5	174.9	219.9

Figure 1.1.2-13b Report: Supply and Demand (b)

	-							Investment	ment									
	Item	1976	1976 1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992
			- 1					ı	177 3404 364 340 464 644	20.05.226	753 3501	\$070 000	5070 909 17407 199	132250.1 402729.7		315772.5	562872.3	
Total	n o	96.657		79,345 119,338	117330	147.376	198.355	1001.23	CC7.6867	077.0467	400.00							
10101	i	1		900	4	30.303	908 27	716147	1177 910	1332,901	2014,110	2848.153 12670.980	2670.980	90683.8	272640.1	174332.4	259516.2	
	building	26.767	ATR:75	45.780	37.101	30.433	940.00								:		4	
		CO1 CF	19.369	22.834	20.410	59.792	38.476	377,183	409,439	301.096	273.476	434,536	434,536 1451,870	17302.2	60741.9	71911.0	7,104.9	
	edmbment															49690	162258.0	
-	without servic																	
	others																	
Sec. 1	.l.	71.354	53.605	97.416	89.671	129.033	171.801	1486.256	1486,256 2025,338 2464,163 4177,302 4295,944 16411,406	2464.163	4177.302	4295.944	16411.406	95386.0 262430.4		207963.3 298446.6	298446.6	
Source					7000	000	48 130	A11 117	27 11 878 741 1883 848 1534.413 2244.822 11949.482	318 5001	1534.413	1244.872 3	1949,482	65511.7	176181.6	99765.2	129055.7	
-	huildine	15.347	15.247	79.369	17.784	74.030	10.100	244.0										
	equipment	34.453	13.243	15.095	14315	57.236	34.540	366.435	395.496	246.768	216.989	347.563	1319.151	10185.7	27586.3	52984.0	77470.0	
1		24,303	25.740	21.922	27.609	18.343	26.754	175.280	363.778	481.063	658.335	783.965	1080.793	36864.1 140299.3	140299.3	107809.2 162167.7	162167.7	
Network				010	12 707	13.605	18.698	138.686	307.669	329,053	479.697	603.331	721.498	25172.1	96458.5	7.4567.2	130460.5	
	pullding	075.11					1				,	1	4		733.66	0 1400	0 7777	
٠.	equipment	12.649	6.125	7.739	960'9	2.556	3.876	10.748	13.493	107.734	26.48	8/.033	132.713	C:011/	020100	7077	7.4004.7	

Figure 1.1.2-14 Report: Investment

								Expen	Expenditure									
Compan	Company Sector	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1861	1988	1989	1990	1991	1992
All PC	Total				100.00	100.00	80.55	227.19	262,32	298.76	1144	4195	13288	131430	421501	839884	657495	
	Material				61.03	00.09	59.32	177.60	206.20	208.70	844	3239	8268	75444	174985	412389	789066	
	Dower Plant				0.79	2.93	1,91	11.31	15.93	22.87	æ	m	36	146	1466	2278	3674	
	Salary				5.40	3.77	1.33	3.50	4.19	6.04	45	262	1229	5615	22037	39839	23906	
	Inquirance				0.22	0.26	0.00	0.00	0.00	0.00	3	12	83	603	3422	6151	7343	
	Amortization				28.58	27.65	7.57	22.78	16.93	36.49	153	460	1961	26926	178994	311637	558762	
	Others				3,98	5.39	10.42	12.00	19.07	24.66	96	219	1031	22696	40597	67590	244744	
PCI	Total	100.0	100.0	100.00	100.00	100.00	50.96	122.64	141.05	166.29	607	2161	7113	80154	216283	368387	646894	
;	Material	61.2	9.59	67.78	65.28	63.56	37.40	95.50	113.90	108.60	414	1614	4852	49340	108968	155676	152592	
	Power Plant		0.1	0.17	I	1.87		5.24	6.53	12.40	3	E.	21	110	152	37	435	
	Salary	9.9	A.	5.16	5.39	5.64	96.0	2.34	2,36	4,00	19	165	829	2683	9886	20960	29769	
	Insurance	0.3	0.3	0.21	0.27	0.28					-	9	32	159	1675	3320	3705	
	Amortization	27.6	25.4	24.09	25.13	24.42	4.09	11.90	5.77	24.09	95	276	944	12983	73119	158829	354937	
	Others	3.2	3,2	2.59	3.93	4.23	8.51	7.66	12.49	17.20	75	64	435	14879	22513	29565	105456	
PC2	Total				100.00	100.00	22.23	83.30	97.32	102.06	394	1527	4433	30734	148015	332801	781307	
	Material				49.37	52.83	15.92	64.30	73.00	76.40	318	1242	2995	14863	36437	173554	504338	
-	Power Plant					5.06	1.60	5.12	8.26	8.90			15	36	1314	2241	3239	
	Salary		-		5.60		0.26	0.87	1.40	1.50	18	7.9	253	1917	9823	15128	16423	
	Insurance				0.13	0.24		٠			-	ব	14	321	1437	2269	2461	
	Amortization				41.22	34.15	3.06	9.81	9.90	10.10	46	151	753	10754	87815	117423	165974	
	Others	:			3.68	7.72	1.39	3.20	4.76	5.16	11	99	403	2843	11189	22186	88872	
PC3	Total				100.00	100.00	7.36	21.25	23.95	30,41	143	507	1742	20542	57203	138696	229294	
	Material				68.31	66.31	6.00	17.80	19.30	23.70	112	383	1131	11241	29580	83159	132136	
	Power Plant				7.63	6.86	0.31	0.95	1.14	1.57								
	Salary				4.93	4.54	0.11	0.29	0.43	0.54	%	33	147	1015	2358	3751	7714	
	Insurance				0.23	0.22					-	7	7	123	310	\$62	1177	
	Amortization	٠			13.76	17.86	0.42	1.07	1.26	2.30	12	33	797	3189	18060	35385	37851	
	Others	٠.			5.14	4.23	0.52	1.14	1.82	2.30	10	26	193	4974	9895	15839	50416	

Figure 1.1.2-15 Report: Expenditure

about measure of or or	Diant Time Code	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989
1.		281 00	336.00	342.00	334.88	334.00	329,60	329.60	319.50	405.50	543.50	678.00	729.00	721.00	711.00
- 0		113.80	113.80	119.80	112.90	112.90	112.80	112.80	113.80	113.80	126.70	127.00	127.20	137.20	607.20
7 0	4	66.50	74.50	97.80	180.80	105.00	91.30	46.30	38.00	38.40	11.30	11.30	10.50	18.00	10.50
2	150	000	8	0.0	80	080	20.00	20.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00
, W	9	8	0.0	8	8.8	34.00	17.8	17.00	34.00	34.00	34.00	34.00	34.80	8.8	8
2	2	233.00	233.00	233.00	233.00	233.00	233.00	233.00	233.00	233.00	233.00	233.00	233.00	233.00	233.00
6	ल	163.00	163.00	163.00	163.00	163.00	ł	163.10	163.10	163.10	163.10	163.10	163.10	363.70	564.20
2	4	31440	278.40	251.50	261.10	261.10		243.50	243.50	243.50	243.50	243.50	243.50	242.60	128.90
0	3		61.50	61.50	27.50	27.50	ì	27.00	27.00	27.00	27.00	27.00	27.00	42.00	54.00
9	6	080	080	0.80	0.80	0.80		0.80	08.0	0.80	0.80	0.80		0.70	4,70
11	4	70.40	100.40	96.90	99.40	98.50	ł I	101.60	136.70	131.40	147.40	147.40	۲	164.40	185.60
12 3	5	0.0	0.00	8.0	0.00	0.0	i	0.00	0.00	0.00	0.0	9. 8.	8	0.0	8 4

Ì								╌	10000	2000	2000	2006	POOC	2004	2006	2007	2008
~	1992	1993	1994	1995	1996	1997	1898	1999	ZOOG	1007	7007	2002	4004	200			
۳	693.00																
1080.00	1086.60						- 										
	8.20																
ŀ	0.00																
ı	34.00														-		
	205.00																
	563.70																
	221.70			·													
	174.00																
	167.20																

Figure 1.1.3-1 Data Table: Capacity

1990	35	1442.5	1479.5	649.2	950.4	1088.4	919	490.5	144	2	1000	90	18	3	177	183		69.5		212.2																			
1989	8	1093	1498.1	564	729	942	703	374	1.0	5		14/0.0	+		27	38.3		346.6		236.9			2000								*****					-			
1988	200	1396	1382	540.2	763.3	829.8	578	314	1	3		1231		1	R	15.2		178		236.9			9																
1987	250	951	910.6	429.6	562.6	706.8	9	\$		5.4.2		951.2		7	123	15.2		25.3		261.7			1999											-					
1986	250	819	675	456.2	527.2	715.4	5	8778	2015	1		648.7				186.5				135.9			8	1		Ť	Ì		1	Ì	+	1							
1985	220	722	768.3		1568.4		8	2378	2,1			27.1	556.1			186.5				135.9			1998															-	
1984		734	l co	1	1405.7	1	3	27.0	0.1.0			271	556.1					86.5		176.1		-		+	T														
1983		989	580 1	4314	972 9		904	2 6	322.3		-	171	83					82.6		169.5			1997	200000								-							
1982		721	544 1	373.2	877.7		404	3 5	577.3		77	171	382.7					67.6		135.4				1	1					1	1		1						
1981		565	427.9	i e	741 0	2	18		518.3		-	171	581.9					67.6		119.3			1996				-												
1980		640	\$ 9	340.4	5/00	107	9 5	2 3	518.3	1	9,65	556.1				21.5	78			146.7				+	1			1	-	+		1						-	
1979	,	8,0	200	0,000	24.2 6	2 2	7107	2	488.4		9.65	890.8				21.5				127.9			1995																
1079	2	700	à	0.00	0,950	200	5.	5	488.4		9.65	962.1				21.5				121.4						+		+							-				
4077	161	5	7 8	200	2000	0: /3	ဂ္ဂ	98	507.9		8,65	836.9				21.5				1184			1994			ļ													
4076	0	0340	7/0	231.7	0.857	Q+7	363.2	196	506.4		8.65	810.2														-						_			-	-		-	
1	Code	5	2	3	100	3	8	53	202	203	204	205	902	301	300	303	300	300	300	307	308	1	1993																
	iranstormer Lode																						1992	2065	1643.3	821.3	559.5	897.8	1043.9	934	655.5	662.7				83		18.3	
⊢	٠,	-	-	-	-	+-	- -	2	7	2	0	2	,	1 60	c	Ö	3 6	2	2 6	7) 6	3 60		1991	2065	1586.3	887.8	711.1	1121.6	1089.8	794	655.5	662.7	1,00	1837.1	3	8	148	18.3	
	Company Code				-																		<u></u>			_										-			

Figure 1.1.3-2 Data Table: Transformer

327.3

		Ļ	0207	1107	4070	4070	4000	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
08-10	Company Code	Sode	18/	13/1		0161			0	c	c	C	00	00	0.0	0.0	0.0
_		0	0.0	0.0	0.0	0.0	D'O	0.0	2,0	2	5		+	1000	2 14	0000	0000
3	-	c						_		230.0	390.0	330.0	325.0	525.0	0.6/0	0.67	3
2 :		4	6 900	1014.1	1052 B	10749	1133.7	1219.3	1280.6	1240.0	1290.0	1477.2	1405.4	1502.9	1519.0	1779.0	1816.0
107		7 0	(246.6		30,705	3807.4	3969	4339.4	3996.0	3825.0	4432.4	4510.5	4707.1	5532.0	5532.0	5837.0
2		9;		9360	2087	2886 1	2079.0	31087	3977 8	4600.8	4753.0	5269.0	5345.6	5427.5	5727.4	0.7909	6381.0
		- 5		1.000.0	İ	1300	1366 4	1388.0	1562 4	1574.7	1630.0	1780.0	1902.0	2141.0	2600.0	2691.0	2691.0
113		2	Į	770007	1 2 2	0.008	2100	54000	5700 0	2900 0	6300.0	6700.0	7000.0	7200.0	8500.0	9000.0	9500.0
114		*	1		2 2	257	257.0	257.0	257.0	257.0	257.0	257.0	257.0	257.0	512.0	512.0	512.0
20			0.762	5.75	757	5. (5.)	2	200	52.0	52.0	109.0	1090	135.0	135.0	521.5	777.0	963.0
202					1	000	2 46 5	E 48 F	556.3	570.4	4440	2440	444 9	944	496.5	383.0	483.0
205	2	5	544.2	2000	2000	2000	240.0	2.0	3	5					904		
206	-	2 6		-						1	-				3 3	1000	0.01
000		8	53.7	77.5	77.5	77.5	94.4	94.4	4.4	94.4	94.4	94.4	94.4	(5.3	0.0	(3.3	(0.5)
1 8			,	2405 0	25.70	2652 5	2817.0	3177.2	3349.8	3546.9	3669.0	3669.0	4073.0	4480.3	5027.0	5753.0	6342.0
3	**************************************		L	2200	0000	0.0070	2700 0	2799.0	0 8626	0 6626	2799.0	2799.0	3005.0	3483.0	3483.0	3764.0	3577.0
214		14	Z(32.0	7/ 93.0	2,33.0	4100.0	20012				-						70.0
302		2						6 00	200	600	50 A	50 B	175.0	1980	231.0	231.0	231.0
304		3					1	5.03	202	2 2	2 4	2 97	75.0	75.2	75.2	75.2	75.2
305		3			73.0	73.0	73.0	3.0	0.5)	/3.0	72.6	75.6	7.07	7.0	7.7		3
200							12.0	183.4	183.4	183.4	482.0	482.0	5810	664.0	833.0	961.0	1018.0
3 8			4634	443.7	408 1	530 1	640.2	645.2	645.2	750.0	1310.0	1310.0	1250.0	1063.0	1063.0	1118.0	11140
310						2622		499.3	499.3	499.3	554.0	717.0	763.0	453.0	552.0	296.0	596.0
312	:		ŀ	ĺ	2 6	200		10270	12070	13200	14840	14840	1550 0	1720.0	1820.0	2100.0	2500.0
314	-	4	626.9	68.8	626.3	4./55	40.4	0.767	707	1020.01	2	2	5.55				

Figure 1.1.3-3 Data Table: Transmission

ā	On In Company Code	Plant Type Code	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1368
2 5	Contiguity Court	1	12021	14307	1559 8	1596.8	1420.7	1434.9	1522.5	1525.6	2016.1	2302.1	2656	3064.8	3438.7
		- 6	283.3	3530	1	500.6	373.8	467.4	459.5	390.7	436.2	385.7	477.9	354.6	293
3 5	-	7	200	545		70.3	61.5	52.4	32.8	19.6	6.2	2.6	7.7	10.1	11.3
3 5		1	C			19.9	13.8	25.6	2	88.5	74.8	85.3	30.6	41.6	8. 1.
3 6		9						15.6	36.2	128	113.4	73.2	66.4	66.2	8
3 5			8,53,8	5245	524	425.5	320	409.5	459.1	716.8	600.1	715.6		1090.4	994.2
7000	7	8	444	775.6	882	942.5	1110.3	1035.5	1096.1	828.8	1157.4	1081.3	916.9	1015.5	1489.4
2000	, ,		170.1	117.5	8	82.8	114.1	130,3	138.6	179.1	140.9	162.3	131.6	117.7	28.7
3 6	4 0	1 4	3	50	40	0.2		0.2	1.4	8.2	1.8	7.2	6.1	10.3	10
200	1 (1	3 6	2 4	9 6	43	44		4	4	3.7	5.4	5.1	7.1	5.6	3.1
335	1 60	2 4	76.4	92.8	116.2	132.6	140.4	150.9	160.2	190.8	226.3	244.3	255.3	272.9	315.6
8 8		5													
4101	4		49.8	74.4	69.8	66.3	45.2	92.3	118	166.8	139.9	116.3	118	120	136
5 8	4	4	47.8		41.9	28.7	31.7	31.8	32	35	37.6	38	41	43.4	35.8
3		T.													

1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
2722.3	2000.5	1365.5	851.4	636.3							
1589.5	2856.6	3709.9	4548.8	5091.1							
8.9	6.1	10.5	8.9	9.7					- Commission of the Commission		
10.5											
27.4	5.6	35.2	5.5	13.4							
739.7	840.6	1059.2	1035	1139							
2226.4	ŀ	2550	2618.6	2790							
76.3			146.8	739							
26.3	52.1	65.8	212.5								
9.4		56.6	60.7								
351.3	328.7	180.8	163.9								
3.9	6.0	-									
135.2	150	180							-		
21.4	17	15									

Figure 1.1.3-4 Data Table: Generation

100																	T	T								
3880						-																				
7881					1	1																				_
1991	302	1048	864	770	\$	882	983	896	964	888	1013		1005	650.4	ļ		1 0			- !	Į		642.7	699	711.5	678.7
1990	936	871	6/	152	3	8	785	762	817	870	848	839	870	6113	1		ł		1		- 1	606.7	6161	650.4	645	655
1989	775	785	718		3	620	628	640	963	677	685	801	786	490				1		339	-	578	570	592	589	290
1988	593	50.	200	3	513	538	535	564	560	547	542	581	267	200	8	200	383	381	804	415	417	423	432	4	470	490
1987	598	250	3 2	5	203	472	488	481	461	482	88	524	564	3.47	2,0	ο c	5	360	349	348	320		375	376	380	374
1986	482	272	2 5	P	454	461	422	479	483	536	526	523	594	300	3 6	312	30/	304	315	8	315	323	379	347	356	346
1986	5144	0 000	200	1. U.	445.2	416.6	406.8	412	427.4	300 5	440.5	448.3	473		- 1	- 1	i	į	296.1	220	298.8	307.5	808	["	ļ	}
1984	9.05	3 3	5	3/3.0	349.9	358.8	372.5	370.2	371	CA	423.5	437.4	4149	2 6	007	299.1	282.9	284.2	292.8	276	281.8	292	793.7	287.4	334	3202
1983	306	2 2	200	332.4	325.4	293.2	295	310	306.7	304 B	3540	307.8	2 77	F	7847	286.2	328.8	294.3	265.9	265.3	271.7	265.9	270	080	283.6	288.2
1982	4 706	5 6	228	366	327	290.6	291.8	7887	200	0 700	340.7	348	2 6	2	249.9	267.4	285.3	269.4	267.2	274.7	269.5	260.5	285.7	300	2000	4 000
1981	┥	\$. 2000	336.1	294.2	291 6	308.6	2 5	3775	200	2 6	32.00	0.000 a 25c	2000	200	270.6	279.3	286.5	273.7	275	257.2	259.4	260.5	25070	240.0	250	3 50
1980	١.		99	278.1	303.5	287.6	278.5	250 5	2 7	7,407	0.007	0 007	1 6	2/20	228.5	232.2	237.9	234.5	238	2115	2322	234.2	1 24 5	2 6	7707	2000
1979	1 6	- 1	371.5	327.2	313	300	225.7	1 600	250	0.00	323.3	320	7 500	ş	232.6	240.8	235.8	216.7	216.2	2233	223.4	7437	2000	77077	0.25.0	97
1979	١,	259.7	287.7	323	1	1		- 1 _	ᆜ	- 1	_1_	- 1	- 1	_1	225.7	227.5	ı	⊢₌	1_	240.9	243.6	2 42.0	200	4 / 67	77.5	200
4077	+	292.7	299.6	291.7	2000	0.707	0 6	8	4.14	2/4.5	264.4	272.2	2543	38	197.4	202.8	208.2	208 1	246.7	2,470	2000	0.00	1. 6	3	20,10	227.9
F		225.8	225.6	231	١.	1	Ĺ	1			1	1	ď	270.6			, which is a second	2045	2000	3 5	1 5	1 6	188	189.7	197.7	232
+	Month	_	C/I	m	.L	Ĺ	ł		- }	L	.		_[12	٦	2	C	,	t u	3 6	1 0		Ø	6	=	=
r	7	_	-	-	-		+	+	=	-	+	-	-	-	7	6	10	1 0	V C	7 (7 (7	2	7	7	7
	Company Code										.	.														
				-	+	+							_				-	+	+	+	-	-		_	_	
	08 10	101	5	1 5	3	5	8	8	107	1 8	2	5	111	112	٤	5	3 6	3 3	8	8	မြ	20	8	50 00 00 00 00 00 00 00 00 00 00 00 00 0	210	21

Figure 1.1.3-5 Data Table: Peak

-					-			-		,		****	4004		000	4000	1001	1000
		250,	40.77	4070	4070	1990	1027	1982	1983	1984	1980	1886	138/	- 1	202	200	100	1
	Company Code	0/80	-	0/0	2				ł	١.						* (000	47.0	101
	,		000	1007	175	C 757	160.2	£	202	241.6	254.7	302.2	337.5	200	5000	4.707	2.4.0	3
<u> </u>			0.00		2		1	- 1	ì	1	}	-		1		4	1	1
,				-	1	ı					ď	ć,	770		2	000	ž Ž	7.4
	_	000	0 44	200	45.6						3	3		- 1				
2	•	7.70	3	1	2	1	١	•	ı	ı		1	1		č	ζ.		1
		[,	(ų e	¥	ď				25	2.7	_	n	Ö			·
t		~	7	י	o,		3		i	- 1				-				
2	,	1		-														

Figure 1.1.3-6 Data Table: Own Use

1991	3.43	4.19	12.8	0.3	ď	3	-	2.58	044	0.0	o 4	2.52	1.14	2000	3	
1990	4.15	5.8	12.6	0.3	3.7	5	2.5	2.5	33	0	0 4	2.5	11	0,0	7	
1989	5.69	8.12	12	4.0	2.7	3	=	2.65	0	0	0.4	7	12	,	7.7	
1988	6.8	9.32	10.4	0.4	a	2:0	0.5	3.03	,	0.0	0.47	9	-		200	
1987	6.79	9.41	10.79	0.327	2.40	3.42	0.7	3,35	i	283	0.33	1.39	114	1	C.7	
1986	7.98	9.33	113	0 242	0.5	00.4	0.718	3.42	1	6,05	0.34	1.92	8	3	7.10	
1985	6.3	8 94	10 93	908	100,	4.00	0.49	3.23		7.26	0.33	174	181	1	2.28	
1984	632	9 13	12 03	0 274		4.0	0.222	2 94		7.29	0.32	212	7 7.0	3	2.19	
1983	858	800	12.03	800		, 4 0	0.11	36		6.96	0.35	2.73	1 4 4	3	2.25	
1982	8	82.8	4 72	200	7.7	3.08	0.167	297	1	8.37	0.35	2	100	?	2.34	
1981	1,1	ξ α	1 2 2	2 6	1	3.24	0.18	2 66	3	8,53	0.35	2.55	3 6	7.0	2.47	
1980	47	2 4	1 20 5	2000	27.0	3.12	0.48	7,0	17	940	0.34	2 33	45.7	20.0	3.1	
1070	20 20	, a	2 6	18.7	7.0	3.05	0.85	2 4 4	7	9.34	8	2 12	5,7		2.58	
40.70	0 14	0.0	00.1	00.7	0.0	3.54		9,0	?	8.86	Č	20,00	1	700	2.67	
4077	1,12		9 8	30.0	0.318	4.24		000	20.0	8 76	1	7 0	8.7	ò	1.99	
3207	3/0	A 0	o c	20.0	0.289	4.48		100	00.4	8 15	2 0	3 8	8,7	80	2.52	
	Plant Type Code	2 6	0		n	4	4	5	5	+	- 0	2	4	2	0	The second secon
	Company Code	0	-	-	-	•			7	C	7	7	2	N	3	T
	DB-10	8	8	19	102	5	3	45	200		Ę	202	203	204	5	3

Figure 1.1.3-7 Data Table: Own Use / Rate

_	-		I	\neg	1	_	í	_		7		-	-	7	_		_
1994			_	_	_								_			_	_
1993																	
1992	1465.5	827.1	207.3	24.8	897.9	349.5	1535.4	87	292	23.8	1035.6	145.1	196	60.9	50.5	7.5	219.9
1981	1433.8	674	260.8	27	884.7	260.8	1448.1	79.2	286.1	18.9	992	141.2	187.2	55.4	43.7	7.9	174.9
1990	1468	466.9	342.1	29.2	855.7	69.2	1197.6	71.5	288.3	14.5	1016.8	134.2	179.4	48.4	36.5	7.4	162.5
1989	1384.6	354.7	355.8	24	879.4	-	1054.8	65.8	266.9	10.9	868.6	120.1	181.6	41.8	33.8	6.5	134.2
1988	1464.9	343.6	348.9	20.9	646.5		959.3	52.4	220.4	10.5	607	110.7	165.5	45	30.8	7	103.3
1987	1344.3	308.3	348.9	21	610.4		894.9	41.6	169.6	11.6	539.9	91.6	144.9	37.3	28.5	5.6	93.1
1986	1244.4	262.9	336.3	22.8	513.9		819.9	34.9	118	11.4	492.6	80.7	132.7	34.4	82	6.4	87.9
1985	1142.5	243.7	293.8	18.5	449.7		841.8	32.6	110	1.	448.9	78.1	129.3	32.2	23.9	6.4	82.2
1984	1117.1	252.1	248.5	20.8	352.9		788.6	29.3	110.3	11.6	424.3	75.1	121.7	25.6	23.6	6.1	8
1983	944.2	192.7	202.4	16	299.9		633.9	26.5	100.6	9.6	399.5	67.3	5	23.6	21.1	4.8	69.1
1982	891.1	210.6	198.7	58	277.5		696.4	26.5	98.5	7.6	380.8	41.1	71.9	<u>0</u>	15.2	3.6	59.7
1981	789.2	260.5	163.3	24.5	266.3		650.3	32.4	81.4	6.9	370.7	31.4	59.5	18.3	15.4	6	57.4
1980	691	193.5	138.1	24.3	212.9		630.6	23.6	71.3	9.9	379.3	30.7	85.8	16.4	13.7	3.5	55.3
1979	8407	253	169.8	33.3	234.5	-	607.3	15.8	47.5	5.7	381.7	28.9	22	13.2	12.6	3.9	57.1
1978	869.3		1165	23.3	229.9		567.9	1.	29	0	498.8	29.1	43.8	7.6	6.7	1.5	62.8
1977	790.3	242.5	88.1	20.9	218.2		488.1	26	48 6	0	498 5	26.1	8	6.7	0	0.2	73.7
1976	701 6	215.2	29	27.7	217.5		407.2	ă	48.2	0	456.4	19.4	8.9	2.9	-	0	64.8
Sector Code	-	2	8	4	5	9		2	67	4	10	9	-	2	6	4	5
Company Code	1						2		0	0	0		3	E			
C ac		7	l m	4	. G.	9	7	α	σ	100	1.	12	13	4	15	2	17

Figure 1.1.3-8 Data Table: Sale to Sectors

08 ID	Company Code	Code	Province	1976	1977	1971	1979	1880	1981	1982	1983	1984	1985	1586	1987	1911	1565	1990	1991
000			PC1 Total	1219 4	1379 8	1448.8	1556.0	1305.6	1475.2	1558.7	1608.0	1938.5	2089.6	2374.8	2627.5	2656.8	3000.3	3038 3	3283
210	i	10100	HA NOI	4463	468 7	426 5	476.7	4105	465.4	490 5	517.7	604.7	683.2	736.7	821 4	865.3	886.3	949.0	963
20			HAI PHONG	1587	176.2	183.6	202 3	147,7	153.2	155 8	149.7	1753	189 2	204.7	207.7	233.0	282.6	233.0	320
330			HA NAM-NINS(NAMHA)	135 8	165.6	156.9	198.8	139.2	126.1	106.5	107.6	132.2	127.5	146.7	156.4	182.4	223.7	259.0	
231		10301	NINH BINH	.~"	100.0	. 120.3	- 150.0	-105		100.0	101.0		- 45.77	1,287		., 205,7		234.5	
040			VINH PHU	67.6	114.0		126.7	102.6	101.1	106.0	ا مو	118 2	-::::	7.27.3	163.6	174 2	1671	1227	185
				93.5		130.3					95.9		134.7	151.9	163.6		167 1	133 4	
050	j !		OUANG NINH	100 0	1186	134.5	143.4	135.5	179.2	200.4	185.7	179.9	174.0	181.2	1933	207.9	1980	128.0	
050			BAC THAI	120.1	1395	143 6		519,4	112.1	124 2	115.4	132.5	149.0	158 6	181.7	1935	1976	2169	
070		10700	HA BAC	45 2	57 7	73.4	61.9	59.7	52.6	50.9	71.5	50.4	84.8	96.3	101.1	103 1	107.6	136 5	
080		10600	HAI HUNG	768	85.5	104.7	116.5	95.0	84.7	62.2	88.5	139.6	158.9	183.4	193 1	208.4	222 2	217.1	222
090	l <u>.</u> 1	10900	ТНАНН НОА	35.4	46.5	56.6	59.6	49.0	52,7	105.0	110.5	157.4	155 8	175.8	200 0	222.4	235.8		
100	1	11000	HA SON BINH(HA TAY)"						67.8	80.7	100.0	1360	153 2	201.1	219.I	246.8	238.4	2158	160
101	1	11001	HOA 8INH	i I															-
110	! 1	11100	THAI BINH			l	· `	41.9	50.8	41.3	32.2	439	45.0	46.8	56.1	59 6	728	746	75
120	i i	11200	HOANG LIEN SOM YENBAD			l · ·		/- ··	13.1	113	11.8	13.6	14.9	15.4	18.9	30.5	34.7	35.9	35
121		11201	LAO CAI	1		ļ		**** *** *				. 21321						1	
130			LANG SON	6.6	75	8.5	3.5	5.1	6.4	8.7	100	11.6	15.3	15.5	19.5	215	25.5	23.5	24
140								9:1		32	11.5	13.2	14.1	14.9	17.1	18.1	19.8		
		111401	HA GIANG	ł .							!!•.?	(3.2	-2.77		. '\$.'				ļ
141						į .								4				ء ممت	! :~
150											ļ	ļi		58.2	69.7	92 (79.8	109 6	ļ) <i>a</i>
151		11501	HA TINH					!			l					ļ		i	l
160	l !	11600	CAO BANG	1 :	-		l				[2		7.6	8.8	8.0	9.4	7.8	
170]	JF1700	SON LA			ļ	i	l	i		i	l		l				33	! :
180		11800	LAICHAU	1		ì	l	l						L		i		2.1	
00Ô		20000	PC2 Total	950 5	1090.1	1159 8	11098	1175.8	1173.3	1250 7	1297.5	1439.2	1522 3	1567.5	1749.4	1950.4	2309.9	2722.0	296
010		20100	F.P.HO CHI MINH	6798	760 3	778 2	747.9	777.0	758.1	787 3	786 9	558.7	905 2	9016	968.3	1076.7	1300.9	1421 7	151
020		20200	THUAN HAT	14.5	11.7	11 3		14,1	15.1	16.9		18.1	197	21.3	23.8	25.6	31.6	39.5	1
030		20300	LAM DONG	11.1	11.2		1	17.6	19.4	20.3	21.7	27.5	29.0	30.9	35.4	40.0		44.1	114
		1 - +	· · · · · · · · · ·		21.0				20.7	23.5			25.6	27.2	32.5	34 7	44.9		
040		20400		B7															4
2050		20500	TAY MINH	38	4.9	1 "			7.1	9.6		12.6	163	17.6	19 0	22.8	30 4		
060		50600		126 6	145.7	165.	163.4	_160.1	150.2	176.2		195.7	206.5		253.7				30
070		20700		7.5	7.4	9.7	10.3	10.4	11.5	12.1	14 7	18.0	192	20.2	25.7	30.7	45 4	54.1	, 6
080	1 1	20800	DONG THAP	47	6.6	8.7	8.3	8.2	9.1	10.7	13.4	_14.1	17.0	18,4	21.5	28 7	38.3	46.7	5
090		2120900	TIEN GIANG	12.5	17.5	22.7	21.8	25.5	30.6	29.7	30.2	31.7	32.1	33.3	35 8	43 9	64 1	74.2	7
100	1	21000	BEN TRE	2.2	33	5.7	4.3	4.7	7.4	9.3	10.2	10.1	14.7	14.4	17.7	21 3	24.9	28.6	3
110		21100	CUULONG	59	8 8	10.7	9.0	11.3	11.2	14.1	15.1	17.9	21 8	24.2	27.1	32.6	45.6	54.7	5
20		2,51,500		25 1	31.4				38.5	44.0		51.2	57.3	59.2	64.7	77.0	100.6		13
130		2,21300		138						18		21.7	23.5	23.1	29 2	35.2		58.3	
				71	9.9			14.5	12.4	13		17.4	19.1	19.5	22.8				
2140		21400												10 9		12.5			
2150		2 21500		6.8	8.	d .ei		7.4	6.7	10:								78	
160		2 21600		1			J	11.7		_129					46.7				
1170	i	2 21700	Ban cho M. Frung	19.4	26.	29	28.9	30.7	31.4	41.	i 67.	75.1	78.1	80.7	91.6	110.7	120.2	134.2	!4
	1	15 .	Province	1976	1977	1978	1 1979	1 1880	1981	1582	1983	1 1984	1985	1916	1887	1988	1989	1990	1 19:
	Company Code			740		122													
3000			PC3 Total	1 743															4-~
3010		3,30100		i	$\cup L$	22	25.8	- 307	26,5	23.	34	39.1	5			1-33.	- OZ.	13.	zl i
3011		330101		1	1		1	ļ								·}	ļ		
012	1	3 30102	-Quang Tri	1 .			l			.}				ļ		ļ	į	10.	
013		3/30103	-Thus Thien Hue	i					l:	1		.		1				40.	
020	1	3 30104	QUANG NAM-DA NANG	T	35	7 41.	5 48			60.	7 67					1			9 1
3030		3 30200		i	13.					22.	8 27	34.1	41.2	42 9	46	1 48.	82	2	.1
1031		3:30201		1 .	1	1	1	1	1	1	1	1	1	1	1	1	1	24	8
				1	1 .	1 1	1	1		1				1	1	1	1	45	
3032		3,30202		1	25.	4 3ò.	1 30	32	32	43.	3 68	9 80	841	88.8	96	109	7 117		1
3040		3;30300		i	1 55	.بنڊ. ٻ	1 30	7 32		· 79:	~ ~ ~ ~ · ~		1	ويحر. [4	-ĭ <u></u> -	4-775	13	ö! "
3041		3,30301		Į	1		4		-· ··			· •					· i ·	115	
3042		3 30302		1 .	4		_1			4	1		1-72	:	يهديا		d ==		
3050	1	3,30400	GIA LAI-KON TUM	.] 3														
,,,,,,,			DAKTAK		5	1 6.		7 8.	5 9.	4Í 10.	2 11.	Ol 12.1	13.	3 14.	11 15.	4: 18.			

Figure 1.1.3-9 Data Table : Sale to Provinces

					ļ	j.	i i	4	- 1	- t	} -	- }-	-		4000	1000	10	1000 D 19	1991 7 19	1991 G 19	1991 P
084D	Company Code	Code	Province	1986 T	- 1	- 1		-1	ודי	-1	7	1985	-1	2020	٦,	1_	5 5	4_	ĺ₩	-	1876 4
0001		- 1	PC1 Total	2374.B	146.0	1228.3	ic /797	ŧ	ĺ	7	2 6	1	288.2	i	1	1		L	ò	ļ	666.4
1001		110100	HA NOI	736.7	238.7	ξή (1)	821.4	3.5	8 8	200		Į	1	1	101					117.9	202.4
1002		110200	1110200 HAI PHONG	24.7	862	124.9	707	5 2	8		5 4	2,40	1	1	151.61	259		1	239.3	i	171
1003		1,10300	1 10300 HA-NAM-NINH	146.7	43.7	3	200	2,70	5 6	-	3 5	1	İ	1		1	l	į	185.5	125.9	59 6
1004		110400	1 10400 VINH PHU	151.9	103	5 E	629	571	0 0 0 0	1	167.4		ļ	154.9		1	81.5	l	183.3	115.6	67.7
1005		- 1	DOANG NINH	781.2	200	n e	2 6	i cu	200	ļ	1537	1	1	165.1	1	}	190.3	ł	262.11	202	8
1006		•	BAC THAI	128.0	0.00	9 ជ	3 6	3 6	3 5	103.1	8 8	483	107.6	52.4	55.23	136.5	67.7	68.8	155.3	66.7	88
1007		- 1	HA BAC	3	5 5	5	5 5	3 4	3 6	1	1107	1	ŀ	108	ı	l	10.1		222.6	91.3	313
900			HALHUNG	4.50	3	070	200	3 5	1 0	1	156.8		[164.7	ı		130.1		288.9	189.3	8
900			THANH HOA	0.6/1	0	n e		2 8	3 6	1	8	}.	į	50.5	ļ	Ì	133.2		160.9	68.4	92.5
1010	-		HA SON BINH	231.1	2	3	213	2	2 4	1	2 4	1.	!	24	1	1	3.4	1	79.6	2.5	77.1
1011		1,11100	THAI BINH	8.9	5	9	8	12 6	7	1	2 0		2,7	17.71	17	1	17.5		35.3	17.1	18.2
1012		111200		15.4	6	13.5	18.5	22	77		0 0		: ii		10.41	3 2	7.4	i .	24.8	6.6	18.2
1013			LANG SON	15.5	3.6	6	19.5	ة ا	D 0	0.5	0 0	1	200	á	1 4		ď	1	24.9	10.3	14.6
1014		111400	HA TUYEN	14.9	2.7	12.2	17.1	กั	ē.	9	0,4	1	5 6	5 0	000	100	12.	ı	8	151	[6
1015		1111500	1111500 NGHE TINH	58.2	4.	56.8	69.7	12.2	57,5	82.1	12.6	200	0	5	8 0	2 2		ļ	7.4	۳	4
1016		111800	CAO BANG	7.6	1.2	6.4	8.8		8.9	8	-	ŏ	6,4	. .	9	ō ē	-	1	y y	7	न
1017		1111700	1111700 ISON LA	-					,	-	-		-	- -	-	200	+	Т	2 6	1-	ď
1018		1111800	LAI CHAU				-	-		- 1	- 1	- 1	1	- 1	.l:	7.7	_	1	0.00		2,00
200		8 20000	PC2 Total	1567.5	470.7	1096.8	1749.4	590.8		1960.4	636.8	l	1	- 1	I.	77.77	_1	_L	0087	200	1020
200		2/20100	2)20100 IT P HO CHI MINH	901.6	273.51	628.1	968.3	329.7:	- 1	- 1	359.6		1300.9	356.8		421.7	-		517.3	- 1	200
3 6	-	2/20200	202020 THUAN HAI	21.3	121	20.1		2.6		52.6	2.5	23.1	31.8	2.5	8	39.5	-	37.3	45.6	2.5	42.1
200		0050016	SUCCESSION IN DAMA DOUGH	30.9	1.7	29.2	1	5.2	31.21	<u>ā</u>	3.1	36.9	43.7	3.3	64	4	-	8.0	0	4	?[
3 5		200000	SONGRE	27.2	7.5	19.7	32.5	11.3	21.2	34.7	10.4	24.3	9.4	11.2	33.7	8.5	9.8	88.7	8	12.9	5
5 0				17.6	-	16.6		=	18.81	22.8		21.8	30.4	1.6	28.8!	37.4	_	36.1	9	-	3
0000				233		65.8	1 .	1	61.2	279.8	203.9	75.9	297.8	196.5	101.31	369.4		118.7	383.5	264.1	119.4
2000				200		8	ı	ı	25.3	30.7	0.3	30.4	45.4	건	44.2	54.1]	53.21	8	1.2	9.09
200		200000		184		183	1	0 2	21.31	28.71	0.1	28.6	38.3		38.3	46.7	0	46.6	55.6	4	55.2
8007		200000	CANCO CONTRACTOR CONTR	33.3	ĺ	3	1	i	22	654	23	41.6	54.1	2.4	61 7	74.2		71.1	79.6	2.3	77.3
200		305150	DESCRIPTION OF THE PROPERTY OF	7 4	-	143	1	ı	17.71	21.3	 	21.3	24.9	0.1	24.8	28.6	-	28.6	35.3		35.3
2013		227.100	Size to the Control Only	24.2	ĺ	37	1	14	25.7	32.8	2.5	30.3	19:54	0.9	4.7	54.7		53.1	583	1.5	8.98
5 6		221120	2.2.1 00 COULDING	20.5	Ö	69.3	2		49.4	77	191	61	100.8	15.9	84.9i	122	15.2	106.8	134.2	15.4	118.8
1 6		22.20	2121300 IAN GIANG	8	Į	23	29.2		Ē2	35.2	0.2	35	49.7	03	49.41	88.3	1	57.9	96.7	03	4
2000		221400	221400 KREN GIANG	19.5		19.4	22.8	0.1	22.7	29.8		29.8	28	8.51	47.5	81.3		57.5	120.1	23.3	8
201		223500	222500 MINH HAI	10.9		10.9	12.1		12.1	12.5		12.5	19.3		19.3	28.9	_[688	42.2		42.2
2010		2012/600	2121600 MING TALL CON DAC	31.7	6.3	24.8	46.7	83.1	17.6	58.2	34.9	23.3	76.1	414	8	78.4	35.7	42.7	82.2	35.1	47.1
0102		2/21700	Ban cho M Tamo	208		20.7	9.16		91.6	110.7		110.7	120.2	-	120.2	134.2		134.2	141.2	- }	141.2
200	-	000000	PC3 Total	289.5	639	225.6	308.7	83	225.7	351.5	88.8	262.7	398.2	84.2	314	433.8	97.5	336.3	468.2	116.4	35.8
3 2	-	330400		42.6		39.6	47.4	7.1	40.3	53	6.3	48.7	62.3	6.1	28.2	63.6	7.5	26.1	74	10.9	3
3 8		33000	3 30000 OUTANG NAM-DA NANG	-		88	87.5	22.3	65,21	101.6	23.6	78	114.4	22.9:	91.5	123.9	19.8	104.1	137	23.5	13.5
200		30300	HAIR AIHON	-		4	46.1	5.5	40.6	48.8	5.7	43.1	62.2	5.7	26.5	207	66	8	73.61	13.4	602
388		330400	S SOADO PHILIKHANH	98.6	37.6	51	96.8	£	51.8	109.7	50.1	.59.6	117	46.4	70.6:	ž8	54.7	73.3	136.8	33.1	73.7
	٠Li				H		: ⊢		!	1000 T	1000	10000	1090 T	1080	1989 0	1990 T	1990 6	1990 P	1991 7	1991 G	1991 P
임	Company Code	ode Code	Province	1986 7	1386						-1-		<u>∃</u> -	ñ	+ ≂	1 :=	۰.	٠.;	177	4	20.3
8		330500	330500 GIA LALKON TUM	13.9	4 0	0.00	15.5	o a	13.6	787	5 6	16.5	19.2	0	17.4	24.5	2.9	21.6	24.5	3.5	23
3006		3:30600	DAK LAK	14.1	0.0		, 4.0	ō!	200	10,4	Ď.	ř	7.0	3	į			;	2	,	

Figure 1.1.3-10 Data Table: Sale to Government and Private

						1	-		ł					1001	0000	0000	0007	
000	Toda Company Code	apro-	197E	1977	1978	1979	1980	1981		1983	1984	1985	1986	/88	1350	1303	1330	1
֭֭֭֓֞֝֝֟֝֞֝֟֓֞	Collinally code	3	,		1				1	ľ	1	1	4 44.7	4010	17001	acri		
5	-	•	837.5	9843	1079.1	1105.9	1012.2	1001				1711.1	7 4	200	-	3	1	1
		- (2		l		123	141	8	5.2	1.8	0.8	2.1	2.8	3.2	2.6	1.9	3.4
107		7	0.0	3.5	2	-	1		1	ł				ĺ		c		
707	*	4			0.5	96	7.4	8				32.3	13.1	-		0.4		
5	-	r			25			ì		ļ		3 / 5	378			13.2	38	17.6
	***	v.						4				5.5	j	ļ		1	-	!
3 6		2	2	6.5	25.4	4	23.0	23	19.6		23.3	28.8	32.4			18.3	9.6	7.3
<u>s</u>		0	מ	2.1		2	2.07	2	1	l					ļ			000
1	,	C	A.C.	30.0	מאל	22.8	3.3	35.8				45.3	30.0			7	24.0	3.50
707	7	*	7	ı	3				١	1	Γ	100	7 030	ľ		207.4		208
203		m	1926	547	148.8	`	29 4.0	122.4				93.7	7.007					2
3		1		l		l	-	1	ŀ		l	10	~	ķ		-		27.9
200	-	4	4	03	0	0	0.77	5		0,0		2	י	3	١	-	1	
{	7							1		1		000	60.7	'n	7 70	ď	ð	48.5
300	~	 	23.9	25.8	31.8	9	38.6	<u>4</u>	43.4	27.1	0	00,0	è.	2	7.75	2.20	Ì	2
3	,																	

Figure 1.1.3-11 Data Table: Fuel Consumption

	Company Code				1977	1978	1979				1983			19.96	18.3	20.61	22.7	1990 25 68			1967
0		0,0000	Average	[9.8]	20 6	21.5	21.66	23.53	20.55	20.5	. 20.3	19.86				18.63	25.1				· ·
)		1,0000	Average	15.47	16.65	17.91	16.87	17.68	18.35	18.1	18 22	17.74			16.64	16 25	27.02	27.48	26.5		
10	Í	1 1010	HA NOI	0	0	ŷ	0		15	18	15.36	18.41		16.75	14.51	15.2	24.25	44 65	40 69		
20		1 1020	HAI PHONG	Ŏ	. 9	9	9	143	19.35	17.95	14.5	13 09		14.87			17.99	29.14	32.27		Ė
30		111030	HA-NAM-MINH	이	0	0	0	143	19.3	17.9	14.6	11 99		12.47	13.09	13.4	10.12	16 32	15,46		
40		11040	VINH PHU	위	9	Ö	o		3.09	4.94	5.1	5.75	6.02	6.32	6.51	6.67		13 87	14.4		į
50		1 1050	OUANG KINN	0	. 0	ó	인	2.5	7.35	5 84	5.2	4 59	7,15	6.02	6 53	0.87	9 69		16 06		ł
60		1 1060	BAC THAI	0	0	ō	0	5.26	4.16	7.7	7.99	7.13	6.96	7.69	7 86	13 41	1466	13.7	16 54		1
70		1 1070	HA BAC	0	, o	0	0	8.4	4.7	8.1	7.48	7.17	7.3	7.18	.7.19.	7.03	13.29	47.05	33 47	• • • •	ļ.,
60		1 1060	HAI HUNG	.0	0	. 0	, o	i				7.42	12.1	13.51	15 64	13.9	17 29				-
90		11090	AOH HIVAHT	이	0	Ō	. 0	10.8	112	9.46	8.3	6 41	10 98	11.93	11.07	12.42	4	28 18			1
00		11100	HA SON BINH		. 0	Ġ	9					4.58	12.17	13.47	13.95	14 42	14 19	16.44			
ŧÖ		1 1110	THAI BINH	Q	0	. 0	0			· -i		16.63	16.42	16.12	15.74	15.42	15,39	15.74			
20		111120	HOANG LIEN SON	. 0	0	. 0	0		4.18	4	10.55	13.74	10.54	10.66	9.3	11.52	16 37		24.74		į
30		11130	LANG SON	0	0	. 0	. 0		İ		l	_ 9 41	11.63	11 92	12.61	13.17	14.94		35.3		i
40		11140	HA TUYEN	0	0	0	0					5.39	7.49	6.09	9.02	12	15 58		22.72	1	
50	1	111150	NGHE TINH	ĺÖ	o	O	ė	9.6	9.1	8.8	87	11.55	6.71	10.14	10.35	10	17.39	17.96		ļ	ļ
151		111151	-Nohe An	0	Ö	0	0												20.38	Į. .	.ļ
52		1 1152	Ha Tinh	o	i		0							l	, }	i				i	. <u> </u>
160		11160	CAO BANG	0	o	·	0					[13.71	12.62		12.16	16 37			.
70		11170	SON LA		Ö	Ō	Ö											L l	27 62		.i
180		1 1180	CALCHAU		- ō		- ` a									. 1		l!	22.05	ł	d
)O		2:0000	Average	23 23	22.98	21.78	22.66	24,26	23.5	23.94	22.3	21.99	19.99	20.38	19.11	22.15	19 97	19.15	19.76	1	1
	i	2 2010	T P HO CHI MINH	1 .0 .0	ó		0		20.02		18.23	17.5	15.84	15.24	15.69	20	17.25	17.11	17.1	!	
XO!	ļ.,		THUAN HAI	· č	1		} <u>*</u>	*****	14.43	16 68	15.03	13.2	10.23	11.03	12.29	11,91	11,91	12.56	32.5	,	T
002	j	2,2020		·-· 🖔] ×	1 3] š	16.46		19.18	18.76		21.21	19.23	14.77	15.22		16.81	18 8	si	1
003		2 2030	LAM DONG	1	i i	ز ا		14.59	14,18	18.33	15.5	15.94	13.09	13.14	14.25	13.05					1
204		2 2040	SONG 8E	1	j y	}	j ;	15.54		17.24	17.65			10.67	20.69	24.38			12	2	1.
005	.1	2,2050	TAY NINH	1 . 9	ļ <u>X</u>		3 5	10.75		13.21	31.4	10			10.12	8.03					1
00 6 _	. j	2,2060	DONG HAL	ļ9	} <u>Y</u>	J }	٧ ا				11.19		9.22	10.66	9.56				15.1		1-
007	l	2,5010	LONG AN	S	١ ١	<u>}</u>	<u> </u>	13.51		13.96	19.07	21.56		17.45	18.22	14,54			15.4		
008	.l	2 2000	DONG THAP	1 9	¶9		1	15.29			10.95			11.96	12.69				10.9		1
009		2 2090	TIEN GIANG	j 9	9[١ ا	١	15.5	10.36					100.01	19.82						
010	1	2 2100	BEN IRE	9	9 9	· 9	2 9	26 63			25.58		19 39		10.42			1 17.76			·j
01 F	1	2 2110	CUULONG	19) <u>o</u>	9	?9				12.42			7.07							
012	1	2 2120	HAU GIANG	15) 0	·	2				24.14				16.6						111
013	1	2 2130	AN GIANG	1	} 9	1 1	0 0	17.45			14.47	13.3	10.05	7.92	7.58						. .
014		2 2140	KIEN GIANO	•) o	ا ا	9	15.4					10.94		5.89					••••	- 1
015	1	2 2150	MINH HAI) 0		99	22.39		27.1	18,05		23.1	24.02	17.1						-i
016	1	2:2(60	VUNG TAU	1) o		0 (25.05	22.33	23.55	19.3		17,62		12.84			(- -
000	****	3 0000	Average	19.	1 15 99	15.8	15.90	15.45	15.65	15,71	15.01		15		14.15				25.7	<u> </u>	
010		010010	BINH TRI THIEN	1 " (0 0	ર્ગ વ	0	15.3	14.7	17,5	15,78	16.77	17,6	173	19.6	19.3	21			.i	
011	· • · · · · · · · · · · · · · · · · · ·	3 3011	-Quano Binh		o i	a	0 (3	1		<u> </u>	<u> </u>	<u> </u>			<u>i</u>	!	21.36	23.9	<i>r</i>	
	Company Cod			1974	1977	l sezi	1	1 1000	1981	1992	Tinis	1084	l'isaé	1984	1987	1982	1089	1990	1991	1 1992	1 15
DB-10	Company Coc				0 0			1369	1391	1344	+1535	1//	1222		100.	1	1 1999		29.6		
012	.	3:3012	Quang Tri))	<u> </u>]			·	<u> </u>					1		24 1		-1
013	.	3 3013	-Thus Thien Hue		9 9	(· · - · ·	<u> </u>	2] []	16 52	136	16.77	16.45	15.9	15.4	17	17 2	151		21.4		-h
020	1	3.3020	OUANG NAM-DA NANG		99	<u>'</u>]'	<u>"</u> <u>'</u>	-)							13.6					1	+
030		3,3030		.)'	٥, (1	ا ۔۔۔۔۔ ا	13.9	12.5	17.84	14.03	4.43	' <u> ! </u>	- *1.4	1.1929	′) <u>-</u>	1		141	 S	
031		3 3031	-Quang Ngat	'	٧ اؤ		의 <u>.</u> .	P	+		+		·			·					}
Q32		3 3032	Binh Dinh	1 . 1	양 9		9[9	Pl			1		·	!		J- 22 .	J		19	4	
040	1	3 3040	РНИ КНАМН	1,	0 0	2	9 9	0] 15	5 17.4	14.3	13.0	13,39	14.5	12.0	13	18.4	:	7	ي نيدا.	1	j
041	1	3.3041	Phu Yen	A^{-1}	ol c	oj	0	0			I	1	ļ	l	ļ	-1			18.9		- i -
042	-1	3,3042	Khanh Hos	1	ó, i	0	0	ol	1		1	l	1		ļ				17:	9.	į.
2050 3050		3,3050		1 **	o, i	ol	ol	ó 1:	2 12.9	13.7	11.7	139	14.7	13.9	14.6	13.6	16			.1	
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3052 3060		3,3050		1	0			ol i	7 16.	12.2	4	14.69	14.7	12.4	12.	12.	5, 16	15 20	31.3	8	
			OAK LAK	1	v: 1	~1	VI.	v: '							J						_

Figure 1.1.3-12 Data Table : Loss

											<u></u>
1988	132250.1	90683.8	17302.2			95386	65511.7	10185.7	36864.1	25172.1	7116.5
1887	17492.199	12670.98	1451.87			16411.406	11949.482	1319.151	1080.793	721.498	132.719
1986	5079.909	2848.153	434.536			4295.944	2244.822	347.563	783.965	603.331	87.033
1985	4835.637	2014.11	273.476		-	4177.302	1534.413	216.989	658,335	479.697	56.487
1984	2945.226	1332,901	301.096			2464.163	1003.848	246.768	481.063	329.053	107.734
1983	2389.233	1177.91	409.439			2025.338	870.241	395.496	363.778	307.669	13.493
1982	1661.539	716.147	3777.183				577.416			138.686	10.748
1981		63.828				171.801	45.13	34.54	26.754	18.698	3.876
1980	147.376	38.293	59.792			129.033	24.69	57.236	18.343	13.605	2.556
1979	117.33	37.781	20.41			89.671	19.984	14.315	27.609	17 797	960'9
1978	119.338	43.988	22.834			97.416	29.969	15.095	21.922	14.019	7.739
1977	79 345	32,849	19,369			53,605	15.247	13,243	25.74	17.602	6.125
1976	96.657	26.767	47.102			71.354	15.347	34.453	25.303	11.42	12.649
Code	C	-	7	8	4	c		2	0	-	2
DB-ID SN Code Code	c	C	0	0	O	-	=	-	2	2	2
0840	٤	E	902	903	400	8	Ē	102	8	50	202

1989	1890	1891	1992	1993	1994	1995	1996	1997	1998	1999	2000
402729.7	315772.5	562872.3									
272640.1	174332.4	259516.2									
60741.9	71911	92104.9									
-	29690	102258				-					
262430.4	207963.3	298446.6									
176181.6	99765.2	129055.7									
27586.3	52984	77470					-				
140299.3	107809.2										
96458.5	74567.2	130460.5									
33155.6	18927	14634.9									

Figure 1:1.3-13 Data Table: Investment

!			4010	4077	4070	4070	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991
08-10	Company Code	Code	0/61	1361	0,00	5	100	80.55	27719	262.32	298.76	1.4	4195	13288	131430	421501	839884	1657495
8	5 6	2 4				34 53	8 8	50.32	177.6	206.2	208.7	448	3239	8978	75444	174985	412389	789066
9						27.0	2 93	19	1131	15.93	22.87	3	6	99	146	1466	2278	3674
22		7 0) Y	3.77	1 33	3.5	4 19	6.04	45	262	1229	5615	22037	39839	23906
) 		2				000	0.00	9	0	0	ō	e	12	53	603	3422	6151	7343
3 8		5 4				28.58	27.65	7.57	22.78	16.93	36.49	153	460	1961	26926	178994	311637	558762
3 8		2 2				3.98	5.39	10.42	12	19.07	24.66	96	219	1031	22696	40597	67590	244744
3 5			100	1001	100	18	8	50.96	122.64	141.05	166.29	209	2161	7113	80154	216283	368387	646894
3 5) -	61.0		9	G	63.56	37.4	95.5	113.9	108.6	414	1614	4852	49340	108968	155676	152592
2 8		- 0	4 -				1.87		5.24	6.53	12.4	Э	Э	21	110	152	37	435
22 5		3 6	. 6		5.16	5.39	5.64	96.0	2.34	2.36	4	19	165	829	2683	9826	20960	29769
3 3		> 4					0.28					***	တ	32	159	1675	3320	3705
2 5		- 4			24 00		24 42	4 09	11.9	5.77	24.09	95	276	944	12983	73119	158829	354937
9) «					4 23	8.51	7,66	12.49	17.2	75	97	435	14879	22513	29565	105456
9 8						133	ç	22.23	83.3	97.32	102.06	394	1527	4433	30734	148015	332801	781307
3 8		V C		-		49.37	52.83	15.92	643	2	76.4	318	1242	2995	14863	36437	173554	504338
3 8							5.06	1.6	5.12	8.26	8.9			15	36	1314	2241	3239
3 8		1 0				5.00		0.26	0.87	4	5.5	9	64	253	1917	9823	15128	16423
3 8						0.13	0.24					7	4	14.	321	1437	2269	2461
200						41 22	34.15	3.06	9.81	9.9	10.1	46	151	753	10754	87815	117423	165974
3 6						3.68	7.72	1.39	3.2	4.76	5.16	11	99	403	2843	11189	22186	88872
3 6						100	100	7.36	21.25	23.95	30.41	143	202	1742	20542	57203	138696	229294
3 8		-				68.31	66.31	9	17.8	19.3	23.7	112	383	1131	11241	79580	83159	132136
§ §		6				7.63	6.86	0.31	0.95	1.14	1.57							
3 6						4.93	454	0.11	0.29	0.43	0.54	89	8	147	1015	2358	3751	7714
3 3						0.73						-	2	7	123	310	562	1177
3 8						13.76	-	0.42	1.07	1.26	2.3	12	33	264	3189	18060	35385	37851
c) C)		2				2 0	l		7.7	1	6.0	ů,	5.5	193	4974	6895	15839	50416
306		3 6	أسور			0.0		20.0	1									

Figure 1.1.3-14 Data Table: Expenditure

DB-ID	Company Code	Company Name	Company Name in Vietnamese
1	0	All PC	Toan Nganh Dien
2	1	PC1	Cong Ty Dien Luc I
3	2	PC2	Cong Ty Dien Luc II
4	3	PC3	Cong Ty Dien Luc III
5	4	Others	Outside

Figure 1.1.5-1 Code Table : Company Code

DB-ID	Code	Name	Name in Vietnamese	Code 2	Name 2	Code 3	Name 3
0	0	Total		0	Total	0	Total
1	1	Thermal (Coal)	Nhlet Dien (than)	1	Thermal	1	Thermal
2	2	Thermal (Oil)	Nhiet Dien (Do)	1	Thermal	1	Thermal
3	- 3	Hydro	Thuy Dien	3	Hydro	3	Hydro
4	4	Diesel	Diedel	4	Diesel	4	Diesel
5	5	Gas Turbine (Oil)	Tuabin Khi (Do)	5	Gas Turbine (Oil)	5	Gas Turbine
6	6	Gas Turbine (Gas)	Tuabin Khi (Gaz)	6	Gas Turbine (Gas)	5	Gas Turbine

Figure 1.1.5-2 Code Table : Plant Type Code

DB-ID	Code	Name	Name in Vietnamese
0	0	Total	
1	.1	Thermal	Nhiet Dien
3	3	Hydro	Thuy Dien
4	4	Diesel	Diedel
5	5	Gas Turbine (Oil)	Tuabin Khi (Do)
6		Gas Turbine (Gas)	

Figure 1.1.5-3 Code Table : Plant Type Code 2

DB-ID	Code	Name	Name in Vietnamese
Q	0	Total	
1	1	Thermal	Nhiet Dien
3	3	Hydro	Thuy Dien
4	4	Diesel	Diedel
5	. 5	Gas Turbine	Tuabin Khi

Figure 1.1.5-4 Code Table : Plant Type Code 3

DB ID	Code	Name	Super Code
101	101	220/110/10 kV.	1
102	102	110/35/10-6 kV	2
103	103	35/10-6 kV	3
104	104	35/0.4 kV	3
105	105	10/0.4 kV	4
106	106	6/0.4 kV	4
201	201	230/110-66 kV	1
202	202	110/15-6.6 kV	2
203	203	66/15-6.6 kV	2
204	204	31.5/6.6 kV	3
205	205	15/6.6 kV	4
206	206	15,10,6/0.4 kV	4
301	301	220/110 kV	1
302	302	110/35/10 kV	0
303	303	66/15 kV	2
304	304	35/15 kV	3
305	305	35/10-6 kV	3
306	306	15/6 kV	4
307	307	6/4.16 kV	4
308	308	15,10,6/0.4 kV	0

Figure 1.1.5-5 Code Table : Transformer Code

DB-ID	Code	Name
0	0	Undefined
1	1	Tram 220 kV
2	2	Tram 110-66 kV
3'	3	Tram 35 kV
4	4	Tram 15-10-6 kV

Figure 1.1.5-6 Code Table: Transformer Code 2

DB_ID	Code	Name	Total Code
1	1	220,230 kV	2
2	2	220 kV	2
. 3	3	110-66 kV	, 3
4	4	110 kV	3
5	5	66 kV	3
6	- 6	35 kV	6
7	7	35 kV & 31.5 kV	6
- 8	- 8	31.5 kV	6
9	9	15,10,6 kV	9
10	10	15 kV	9
11	11	10 kV	9
12	12	10,6 kV	9
13	13	6 kV	9
14	14	Low Voltage	14

Figure 1.1.5-7 Code Table : Transmission Code

DB4D	Sector Code	Sector Name	Sector Name in Vietnamese
1	1	Industry	Cong Nghiep
2	2	Agriculture	Nong Nghlep
3	3	Non-Industry	Dong Luc P.C.N
4	4	Transportation	Glao Thong Van Tal
5		House Hold	Anh Sang Sinh Hoat
6	6	Sale to PC3	Ban cho Mien Trung

Figure 1.1.5-8 Code Table : Sector Code

DB-ID	Code	Name	Name in Vietnamese	Unit
1	1	Coal	-Than tieu chuan	1000tan
2	2	Diesel Oil	-Dau diesel(DO)	-nt-
3	3	Fuel Oil	-Dau nhiet dien(FO)	-nt-
4	4	Distiliate Oil (Turbin	-Dau tuabin khi(DO)	-nt-
5		Gas (Turbine)	-Khi tuabin khi	1000m3
6		Fuel Oil (with Coal)	Dau phun lo(FO)	-nt-

Figure 1.1.5-9 Code Table: Fuel Code

DB-ID	Çode	Name	Name In Vietnamese
0	0	all	
1	1	building	-Xay lap
2	2	egulpment	-Thiet bl
3	3	without service part	(Khong ke nganh phuc vu)
4	4	others	Trong do :

Figure 1.1.5-10 Code Table : Investment Code

DB-ID	Code	Name	Name in Vietnamese
000	0	Total	TOAN NGANH DIEN
100	1	Source	NGUON
200	2	Network	LUOI

Figure 1.1.5-11 Code Table : Investment Code 2

DB4D	Code	Name	Name in Vietnamese
0	0	Total	TOAN NGANH
1	1	Material	-Nguyen nhien vat lieu
2	2	Power Plant	-Dong luc
3	3	Salary	-Tien luong
4	4	Insurance	-Bao hlem xa hoi
5	5	Amortization	-Khau hao tai san co dinh
6	6	Others	-Chi phi khac

Figure 1.1.5-12 Code Table : Expenditure Code

Energy Balance Table			·		Indonesia	ia					Unit: 000Toe	90	
And the state of t	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992
Coal and coal products Indigenous production	187	215	296	299	199	1230	1574	1862	2837	5419	6449	8435	
	25	23	20	16	18	29	801	1004	858	\$69	492	439	
	69	-97	-130	-261	-542	-665	-579	-549	-638	-1566	-2989	4678	
Stock change	25	46	17	126	74	0	0	0	-354	-1146	0	-108	
Total primary energy supply	167	186	203	180	216	594	1796	2317	2704	3402	3952	4088	
Statistical difference	0	0	6-	0	0	-221	-180	-206	-186	0	0	0	
Public service electricity	0	0	0	0	0	-100	-1387	-1876	-2029	-2442	-2812	-3200	
Coal transformation	H	1	. 3	2	2		2	7	6	2	2	6	
Own use by energy sectors	-38	4.	-28	-22	-13	-49	-31	-31	0	0	0	0	
Total final consumption	130	154	167	, 161	205	, 225	199	206	491	962	1142	891	
Total industry sector	116	143	158	154	198	3 195	199	206	491	895	1142	891	
Iron & steel	23	20	20	17	19	21	21	21	23	29	33	27	
Chemical incl petrochemical	42	46	50	44	0	0	0	0	0	0	0	0	
Non-metallic minerals	29	62	78	818	175	148	160	991	467	865	1110	864	

Figure 2.6-1a Report of Energy Balance Table(a)

International Energy Agency

19 Coal and coal products	-						:						
Coal and coal products	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991 1992	92
Mining and quarrying	23	15	10	12	4	26	18	18	0	0	0	0	
Non-specified industry	0		. 0	0	0	0	0	0	0	0	0	0	
Total transport sector	14	Ξ	σ	9	5	70	0	0	0	0	0	0	
Rail	14	11	δ.	φ	7	20	0	0	0	0	0	0	
Total other sectors	0	0	0	0	4	10	0	0	0	89	0	0	
Non-specified other	0	0	0	0	4	10	0	0	0	89	0	0	
Electricity output (GWh)	0	0	0	0	0	373	5163	0869	7552	9324	10635	12008	
of which: public (GWh)	0	0	0	0	0	373	5163	0869	7552	9324	10635	12008	
Crude oll, NGL and feedstocks Indigenous production	80045	81224	66999	67050	75561	67266	72563	71748	68983	73511	76360	82945	
Imports	0		1214	3459	396	594	3861	4181	4320	3889	6327	6158	
Exports	-60922	-63287	-54884	-58481	-53868	-42914	45640	-40413	-38301	-40332	-39915	-45757	
Stock change	459	-860	1083	745	274	-1055	2708	-2135	7	454	-2391	† † ††	
Total primary energy supply	18663	17071	14107	12773	22363	23891	33491	33380	35008	36615	40381	41901	
Oil refineries	-18408	-16873	-13917	-12619	-22199	-23724	-33327	-33217	-35008	-36615	-40381	41901	

Figure 2.6-1b Report of Energy Balance Table(b)

International Energy Agency

Energy Balance Table					Indonesia	7		-			Unit: 000Toe	ຍ	
	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992
Crude oil, NGL and feedstocks. Own use by energy sectors	-255	-204	-190	-154	-164	-167	-164	-163	0	0	0	٥	
Petroleun products Imports	10815	14158	15356	16973	9944	6102	3909	1679	2040	2552	3329	3488	
Exports	-7944	-7464	-5355	-6260	-9919	-7194	-7898	-9244	-9961	-10252	-10456	-10362	
International marine bunkers	-247	-228	-215	-147	-259	-212	-158	-169	-232	-243	-346	437	
Stock change	-240	-667	-343	-520	573	899	-72	228	304	269	-33	118	
Total primary energy supply	2383	5799	9443	10047	339	405	4220	-7506	-7848	-7675	-7506	-7193	
Public service electricity	-2193	-2302	-2672	-2608	-2887	-3027	-2401	-3125	-3022	-2909	-3998	4667	
Autoproducers of electricity	-261	435	-362	-363	-328	-301	-355	-212	-194	-237	-243	-279	
Manufactured gases	-39	-37	48	-53	0		0	0	0	φ	0	0	
Oil refineries	17606	15808	12807	11753	20891	22353	25620	30210	32256	34112	36806	39302	
Own use by energy sectors	0	0	0	0	-10	6-	0	0	0	0	0	0	
Total final consumption	17495	18833	19167	18775	18005	18611	18645	19367	21192	23284	25058	27162	
Total industry sector	5726	6140	6156	6233	5627	6064	5527	5477	9009	4975	5155	6609	
Iron & steel	132	137	138	145	104	104	104	104	104	254	448	732	

Figure 2.6-1c Report of Energy Balance Table(c)

International Energy Agency

Energy Balance Table				-	Indonesia	7					Unit: 000Toe	90	
	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992
Petroleun products Chemical incl petrochemical	434	445	456	523	518	877	883	894	894	1128	954	1397	
Non-metallic minerals	0	0	0	0	0	0	0	0		601	889	922	
Machinery	0	0	٥	0	0	0	0	0	0	61	25	52	
Mining and quarrying	0	0	0	0	0	0	0	0	0	831	930	719	
Food beverages & tobacco	0	0	0	0	0	0	0	0	0	200	518	528	
Construction	0	0	0	0	0	0	0	0	0	255	268	286	
Textiles & leather	0	0	0	0	0	0	0	0	0	802	891	1045	
Non-specified industry	5160	5557	5562	5565	5006	5084	4541	4480	5008	542	404	419	
Total transport sector	6188	9219	7138	6901	7034	7224	7666	8434	9142	9946	11108	11838	
Air transport	865	562	536	515	528	530	520	287	754	828	696	944	
Road	5409	6022	6414	6194	6321	6508	6969	7560	8204	8462	9386	10059	
Internal waterways	180	185	188	192	185	185	771	188	184	929	753	835	
Total other sectors	5327	5707	5632	5440	5250	5113	5206	5206	5437	7508	9961	8311	
Agriculture	0 ,	0	Φ	0	0	0	0	0	0	186	992	196	

Figure 2.6-1d Report of Energy Balance Table(d)

Energy Balance Table					Indonesia	74					Unit: 000Toe	96	***************************************
	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992
													·
Petroleum products Commercial & public services	. 0	0	0	0	0	0	0	0	0	265.	319	362	
Residential	5327	5707	5632	5440	5250	5113	\$206	5206	5437	6262	6655	6982	
Non-energy use	254	216	241	202	94	210	245	250	809	855	829	915	
Electricity output (GWh)	7075	8209	10450	11367	12442	13308	8927	9832	11388	11804	16464	18724	
of which: public (GWh)	6157	7169	9175	10086	11287	12247	7674	9085	10705	10968	15608	17824	
of which; autoproducers (GWh)	918	1532	1275	1281	1155	1061	1253	747	683	836	856	006	
Natural gas Indigenous production	13491	14264	14445	16067	22724	24182	25153	26507	31017	32818	36291	38526	
Exports	-9792	-10177	-10608	-11311	-16737	-17659	-17748	-19127	-22613	-21875	-24317	-26516	
Total primary energy supply	3699	4087	3837	4757	2987	6523	7405	7381	8404	10943	11974	12010	
Statistical difference	0	0	0	0	0	0	0	0	-503	0	0	0	
Public service electricity	0	0	0	0	0	7	9	-123	-175	-248	-273	-275	
Manufactured gases	0	0	0	0	.0	0	0	40	-36	-207	-297	-441	
Oil refineries	-243	3 -252	-189	-170	-119	02-	-158	-291	-104	-694	-774	-723	
Own use by energy sectors	-1388	8 -1287	-1096	-1530	-1834	-1782	1971	-1799	-2104	-2145	-2302	-2086	

Figure 2.6-1e Report of Energy Balance Table(e)

Energy Balance Table					Indonesia	3					Unit: 000Toe	90	
	1980	1861	1982	1983	1984	1985	1986	1987	1988	6861	1990	1991	1992
Noture ec.	-					•							
Distribution losses	0	0	0	0	0	0	0	0	0	-2720	-3073	-3009	
Total final consumption	2069	2548	2552	3056	4034	4670	5216	5129	5483	4929	5257	5477	
Total industry sector	2069	2523	2542	3039	4015	4639	5186	2090	5447	4925	5252	5472	
Iron & steel	006	1314	1282	1467	1483	1582	1936	1979	1829	1304	1319	1255	
Chemical incl petrochemical	1169	1198	1217	1419	2495	3021	3214	3058	3368	3621	3933	4217	
Non-metallic minerals	0	0	0	0	0	0	0	53	53	0	0		
Non-specified industry		Ξ.	43	153	37	37	36	0	197	0	0	0	
Total other sectors	0	24	11	17	19	31	30	9	36	4	4	4	
Residential	0	24	13	17	19	31	30	64	36	4	4	4	
Electricity output (GWh.)	0	0	0	0	0	4	198	318	444	804	696	1348	
of which: public (GWh)	0	0	0	0	Q	4	198	318	444	804	696	1348	
Hydro energy Indigenous production	116	140	113	156	182	257	424	383	449	570	488	471	
Total primary energy supply	116	140	113	156	182	257	424	383	449	570	488	471	
Public service electricity	-116	-140	-113	-156	-182	-257	424	-383	-449	-570	488	174	

Figure 2.6-1f Report of Energy Balance Table(f)

Energy Balance Table	le				7	Indonesia	H					Unit: 000Toe	oe	1997
	1980		1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1661	1992
Hydro energy Electricity output (GWh)		1345	1629	1318	1816	2118	2990	4935	4457	5227	6630	5675	5474	
of which: public (GWh)		1345	1629	1318	1816	21,18	2990	4935	4457	5227	9630	5675	5474	
Geothermal Indigenous production		0	0	19	180	187	193	199	819	870	998	896	941	•
Total primary energy supply		Q ,	0	67	180	187	193	199	618	870	866	896	941	
Public service electricity		0	0	-67	-180	-187	-193	-199	-618	-870	998-	896-	-941	
Electricity output (GWh)		0	0	78	209	217	224	232	719	1012	1001	1125	1094	
of which: public (GWh)		0	0	78	209	217	224	232	719	1012	1007	1125	1094	
Electricity Public service electricity		645	740	606	1042	1172	1362	1565	1854	2145	2471	2925	3246	
Autoproducers of electricity		79	132	110	110	66	91	108	64	59	72	74	11	
Own use by energy sectors		-30	-34	4	43	9	-73	-73	06-	-109	-125	-144	-160	
Distribution losses		-138	-163	-195	-233	-262	-287	-330	-359	-372	402	-469	-570	
Total final consumption		557	675	780	876	950	1093	1269	1469	1722	2015	2386	2594	
Total industry sector		147	193	260	296	345	419	532	637	782	982	1218	1361	
Non-specified industry		147	193	260	296	345	419	532	637	782	982	1218	1361	

Figure 2.6-1g Report of Energy Balance Table(g)

Energy Balance Table					Indonesia						Unit: 000Toe	e o	
	1980	1861	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992
Electricity Total other sectors	409	482	521	580	605	674	738	832	941	1034	1168	1234	
Commercial & public services	95	107	97	103	108	118	132	150	173	196	228	239	
Residential	249	295	338	369	393	432	486	549	626	683	774	878	
Non-specified other	65	80	85	108	104	123	120	132	142	154	165	117	
Total Indigenous production	93838	95843	81615	83752	99321	93128	99913	101119	104156	113184	120555	131317	
Ітроиз	10839	14180	16590	20448	10358	6725	8571	6864	7219	7136	10148	10085	
Exports	-78727	-81024	-70977	-76312	-81066	-68433	-71865	-69332	-71512	-74025	-77677	-87312	
International marine bunkers	-247	-228	-215	-147	-259	-212	-158	-169	-232	-243	-346	437	
Stock change	-675	-1481	757	351	921	-156	2636	-1907	-42	-1330	-2423	-1434	
Total primary energy supply	25028	27289	27770	28092	29274	31053	36068	36574	39588	44721	50257	52218	
Statistical difference		0	6-	0	0	-221	-180	-206	889	0	0	0	
Public service electricity	-1663	-1702	-1944	-1902	-2084	-2216	-2907	-4271	4402	-4564	-5614	-6307	
Autoproducers of electricity	-182	-303	-253	-253	-229	-210	-247	-148	-135	-165	-170	-202	
Manufactured gases	-39	-37	4	-53	0	0	0	-40	-36	-213	-297	7	
											Internat	International Energy Agency	gy Agency

Figure 2.6-1h Report of Energy Balance Table(h)

	1992															
	1991		-3322	7	-2245	-3579	36124	13822	0	0	0	0	0	0	0	0
Unit: 000Toe	1990		4349	7	-2446	-3542	33843	12768	0	0	0	0	0	0	• .	
U	1989		-3198	7	-2270	-3122	31191	11777	1588	4750	1466	61	831	200	255	802
	1988		-2857	2	-2213	-372	28888	12724	1956	4262	520	0		0	0	0
	1987		-3298	2	-2083	-359	26170	11409	2104	3952	219	0	18	0	0	0
	1986		-7865	. 2	-2240	-330	25329	11444	2060	4097	160	0	18	0	0	0
u u	1985		-1441	. 73	-2081	-287	24598	11318	1707	3897	148	Q	26	0	0	0
Indonesia	1984		-1427	7	-2080	-262	23194	10185	1605	3012	175	0	₹	0	0	0
	1983		-1036	~1	-1749	-233	22868	9722	1629	1987	81	0	12	0	0	0
į	1982		-1299	2	-1358	-195	22667	9115	1440	1724	78	0	10	0	0	0
	1981		-1318	-	-1558	-163	22209	6668	1471	1690	62	0	15		0	0
	1980		-1045		-1711	-138	20251	8059	1054	1645	29		23	0	0	9
able				٠.	ι. ·					cal				o		
Energy Balance Table		Add to the second secon	Total Oil refineries	Coal transformation	Own use by energy sectors	Distribution losses	Total final consumption	Total industry sector	Iron & steel	Chemical incl perrochemical	Non-metallic minerals	Machinery	Mining and quarrying	Food beverages & tobacco	Construction	Textiles & leather

Figure 2.6-li Report of Energy Balance Table(i)

					Indonesia	2					Unit: 000Toe	96	
	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992
						·							
Non-specified industry	5308	5761	5864	6014	5389	5540	\$109	5116	5987	1524	0	0	
Total transport sector	6202	6781	7148	6907	7037	7243	7666	8434	9142	9946	11108	11838	
Air transport	899	295	536	\$15	528	530	520	687	754	828	696	944	
Road	5409	6022	6414	6194	6321	6508	6969	7560	8204	8462	9386	10059	
Rail	41	#4.	6	9	7	20	0	0	0	0	0	0	
Internal waterways	180	185	188	192	185	185	177	188	184	929	753	835	
Total other sectors	\$736	6213	6163	6037	5878	5827	5974	6077	6414	8613	9138	9549	
Agriculture	0	0	0	0	0	0	٥	0	0	981	992	196	
Commercial & public services	95	107	97	103	108	118	132	150	173	460	547	601	
Residential	5576	6026	5981	5826	2995	5576	5722	5795	6609	6949	7434	7864	
Non-specified other	\$9	80	85	108	108	133	120	132	142	222	165	117	
Non-energy use	254	216	241	202	94	210	245	250	809	855	829	915	
Electricity output (GWh)	8420	10138	11846	13392	14777	66891	19455	22306	25623	29569	34868	38648	
of which: public (GWh)	7502	8606	10571	12111	13622	15838	18202	21559	24940	28733	34012	37748	

Figure 2.6-1j Report of Energy Balance Table(j)

Energy Balance Table				-	Indonesia	.				1	Unit: 000Toe	92		
	0801	1081	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	
	noer													
Total of which: autoproducers (GWh)	918	1532	1275	1281	1155	1061	1253	747	683	836	856	900		
Traditional fuels Indigenous production	27676	28222	29110	29498	30213	30756	31542	32411	33018	33606	34326	34891		
Exports	-30	-28	-28	-23		0	0	0	.0	0	0	0		
Total primary energy supply	27646	28194	29082	29475	30213	30756	31542	32411	33018	33606	34326	34891		

			Vietn	Vietnam energy balance table	rgy b	alance	table						Unh	Unit: TOE
product	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
Coal PRODUCTION OF PRIMARY ENERGY	0	2589	2878	2705	2712	2797	3061	3166	3026	2565	2562	2599	2745	2505
-Losses production & flared	0	0	0	0	. •	0	0	0	0	0	0	0	•	0
-Net production	0	2589	2878	2705	2712	2797	3061	3166	3026	2565	2562	2599	2745	2505
IMPORT	0	ω	0	0	0	0	0	0	0	0	0	0	0	m
EXPORT	0	467	-337	-201	-235	-302	-310	-100	-157	-263	-372	472	-784	-320
PRIMARY ENERGY REQUIREMENT	0	2125	2542	2504	2478	2495	2750	3066	2868	2303	2190	2127	1961	2188
OIL REFINING	0	0	0	0	0	0	0	0	0	0	0	0	0	0
POWER GENERATION	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Input	0	-692	-720	-795	888-	-891	-991	-1126	-1429	-984	-775	481	-349	-616
-Output	0	124	131	132	174	198	229	264	296	235	172	118	73	122
TRANSM. & DISTRIB. LOSSES	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ENERGY SECTOR OWN USE	Q	0	0	0	0	٥.	0	•	0	0	0	0	0	0
NET SUPPLY	0	1433	1822	1709	1590	1604	1760	1940	1440	1319	1415	1646	1612	1572
NET DOMESTIC CONSUMPTION	0	1433	1822	1709	1590	1604	1760	1940	1440	1319	1415	1646	1612	1572
-Industry	0	1192	1454	1320	1244	1288	1425	1573	1159	1080	1177	1422	1395	1268
-Agriculture		10	. 15	15	13	13	13	13	13	13	E	13	12	6

Figure 2.6-2a Report of Energy Balance Table of Vietnam(a)

			Vietns	ım ene	Vietnam energy balance table	alance	table						r S	Unit: TOE
to desire	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
Coal	0	44	92	86	1.7	52	44	59	40	16	14	15	10	99
- iransport - Konceholdkervice	0	188	261	276	262	251	77.2	296	228	210	211	196	195	239
Crude oil PRODITCTION OF PRIMARY ENERGY	0	0	. 0	0	0	0	42	285	869	1517	2749	3258	3258	0
I osses production & flared		0	0	0	0	0	0	0	0	0	0	Φ,	0	0
-Net production	0		0	0	0	0	4	285	869	1517	2749	3258	3258	0
MPORT	0	0	0	0	0	0	0	0	0	0		0	0	0
FXPORT		0	0	0	0	0		-285	-658	-1476	-2708	-3217	-3217	0
PRIMARY ENERGY REQUIREMENT	0	0	0	0	0	٥	0	0	41	41	41	41	14	0
OIL REFINING	0	0	0	0		0	0	0	4.	4	4	7	7	0
POWFR GENERATION	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-[non]t	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Output	0	0	0	0	0	0	0	0	0	0	0	٥	0	0
TRANSM. & DISTRIB. LOSSES	0	0	0	0	0	0	0	0	0	0	.0	0	0	0
ENERGY SECTOR OWN USE	0	0	Q ,	0	0	0	-	0	0	0	0	0	0	0
NET SUPPLY	٥	0	0	0	0	0	0	0	0	0	0	٥	Φ	0
NET DOMESTIC CONSUMPTION	0	0	0	0	0	0	0	0	0		0	0	0	0
										Source:	nstitue of E	nergy, The	Source: Institue of Energy, The Socialist of Vietnam	Vietnam

Figure 2.6-2b Report of Energy Balance Table of Vietnam(b)

			Vietn	am en	ergy b	Vietnam energy balance table	table						C _n	Unit: TOE
product	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
Crude oil -Industry	0	0	0	0	0	0	0	. 0	O ₂	0	0	0	0	٥
-Agriculture	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Transport	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Household/service	0	0	٥	0	0	0	0		0	0	0	0	0	0
Gasoline PRODUCTION OF PRIMARY ENERGY	0	0	0		0	0	0	0	0	O	0	0	0	0
-Losses production & flared	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Net production	0	0	0	0	0	0	0	0	0	0	0	0	0	0
IMPORT	0	293	324	354	350	353	367	371	454	378	307	443	759	390
EXPORT	0	0	0	0	0	0	0	0	0	0	0	0	0	٥
PRIMARY ENERGY REQUIREMENT		293	324	354	350	353	367	371	454	378	307	443	759	390
OIL REFINING	0	0	0	0	0	0	0	0	7	7	7	7	7	0
POWER GENERATION	0	0	O	0	0	Û	0	0	0	0	0	0	0	0
-Input	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Output	Ф		0	0	0	0	0	0	0	0	0	0	0	0
TRANSM & DISTRIB. LOSSES	0	0	0	O	0	0	0	0	0	0	0	•	0	0
ENERGY SECTOR OWN USE	0	0	0	0	0	0	0	0	O ·	0	0	0	0	0
										Source: In	stitue of En	ergy, The	Source: Institue of Energy, The Societist of Vietnem	lietnem

Figure 2.6-2c Report of Energy Balance Table of Vietnam(c)

			Vietna	ım en	Vietnam energy balance table	alance	table						ร์	Unit: TOE
product	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
Gasoline NET SUPPLY	0	293	324	354	350	353	367	371	461	384	314	450	766	390
NET DOMESTIC CONSUMPTION		293	324	354	350	353	367	371	461	384	314	450	766	390
-Industry	0	20	21	37	35	39	32	33	34	22	24	14	23	27
-Agriculture	0	14	13	14	16	14	15	23	23	6	Π	34	24	14
-Transport	0	169	200	190	195	219.	239	232	301	264	209	354	613	200
-Household/service	0	16	8	113	104	80	80	83	103	90	70	48	17	149
Jet fuel PRODUCTION OF PRIMARY ENERGY	0	0	O .	0	0	0	0	0	0	0	0	0	0	0
-Losses production & flared	0	0	0	0	Q	0	0	0	0	0	0	0	0	0
-Net production		0	0	0	0	0	0	0	0	0	0	0	0	0
IMPORT		102	88	104	8	83	89	128	139	116	96	19	105	100
EXPORT	0	0	0	0		0	0	0	0	0	0		.0	0
PRIMARY ENERGY REQUIREMENT	0	102	88	104	96	8	83	128	139	116	96	19	105	100
OIL REFINING	0	0	0	0	0	0	0		N	7	2	7	4	٥
POWER GENERATION	0	0	0	0	0	0	0	0	0	0	0	• .	•	0
-Input	0	0	0	0	0	· 0	0	0	0	0	0	0	0	0
-Output	0	0	0	0	0	0	0	0	0	0	0 .	0	0	0

Figure 2.6-2d Report of Energy Balance Table of Vietnam(d)

			Vietn	am en	ergy b	Vietnam energy balance table	table						ລັ	Unit: TOE
product	1980	1981	1982	1983	1984	1985	1986	1987	1988 ·	1989	1990	1991	1992	1993
Jet fuel TRANSM. & DISTRIB. LOSSES	0	0	0	0	0	0	0	0	Ó	O	0	0	0	0
ENERGY SECTOR OWN USE	٥	0	0	0	0	0	0	0	Ó	0	0	0	0	0
NET SUPPLY		102	86	104	96	83	88	128	141	118	86	69	107	100
NET DOMESTIC CONSUMPTION		102	89	104	06	83	83	128	141	118	86	69	107	100
-Industry	0		0	Q	0	0	0	0	0	0	0	0	0	0
-Agriculture	0		0	0	٥	0	0	0	0	O,	0	0	0	0
-Transport	0	102	89	104	8	83	68	128	141	118	86	69	107	100
-Household/service	0	0		0	0	0	0	0	0	0	0		0	0
Kerosince PRODUCTION OF PRIMARY ENERGY	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Losses production & flared	0	0	0	0	0	0	0	0	0	0	0	0	0	٥
-Net production		0	0	0	0	0	0	0	0	0	0		0	0
IMPORT	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EXPORT		0	•	0	0	0	0	0	0	0	0	0	0	0
PRIMARY ENERGY REQUIREMENT	•	0	0	0	0	0	0	0	0	0	0	0	0	0
OIL REFINING	•	0	0	0	0	.0	0	0	0	0	0		0	0
POWER GENERATION	0	0	0	0	0	0	0	0	0		0	0	•	0

Figure 2.6-2e Report of Energy Balance Table of Vietnam(e)

			Vietna	am ene	Vietnam energy balance table	alance	table						Unit	Unit: TOE
product	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
Kerosince	0	0	0	0	0	0	0	0	0	0	0	0	0	0
night. Pumui	0	0	0	0	0	0	0	0	0	0	0	0	o	0
TRANSM. & DISTRIB. LOSSES	0	0		0	0	0	0	0	0	0		0	0	0
ENERGY SECTOR OWN USE	0	0	0	0	0	0	0	0 .	0	0	•	0	0	0
NET SUPPLY	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NET DOMESTIC CONSUMPTION	0	0	0	0	0	0	0	0	0	0	0	0	0	0
knisnpuj-	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Agriculture	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Transport	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Household/service	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DO PRIMARY ENERGY	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Losses production & flared	0	0	. 0	0	0	0	0	0	0	0	0	0	0	0
-Net production	0	0	0	0	0	0	0	0	0	0	0	0	0	0
IMPORT	0	745	748	843	862	871	853	0+6	982	820	808	853	1567	608
EXPORT		0	0	0	0	0	0	0	0	0	0	0	0	0
PRIMARY ENERGY REQUIREMENT	0	745	748	843	862	871	853	940	982	820	868	853	1567	808

(A)

Figure 2.6-2f Report of Energy Balance Table of Vietnam(f)

			Vietn	am en	Vietnam energy balance table	alance	table		i				Cu	Unit: TOE
product	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
DO OIL REFINING	0	0	0	0	0	0	0	0	18	18	18	18	. 82	0
POWER GENERATION	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Input	0	86-	-110	-143	-132	-156	-123	-136	-153	-135	-142	-116	-168	-93
-Output	0	31	34	42	39	. 43	37	39	43	41	40	32	46	28
TRANSM. & DISTRIB. LOSSES	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ENERGY SECTOR OWN USE		0	0	0	0	0	0	O,	0	0	0	0	0	0
NET SUPPLY	0	648	639	700	729	715	729	804	848	703	774	755	1418	716
NET DOMESTIC CONSUMPTION	0	648	639	700	729	715	729	804	848	703	774	755	1418	716
-Industry	0	78	95	150	166	146	136	151	159	113	127	49	\$	107
-Agriculture	0	43	36	34	37	44	35	56	51	19	28	29	47	38
-Transport	0	429	428	439	445	450	483	517	558	488	534	605	1134	486
-Household/service	0	86	80	77	82	76	75	80	80	84	8	72	142	85
FO PRODUCTION OF PRIMARY ENERGY	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Losses production & flared	0	0	0	0	Ö	0	0	0	0	0,	0	0	0	0
-Net production	0	0	0	0	0	0	0	0	0	0	0	•	0	0
IMPORT	0	293	334	445	445	417	524	571	595	458	499	593	814	346

Figure 2.6-2g Report of Energy Balance Table of Vietnam(g)

			Vietna	ım ene	rgy b	Vietnam energy balance table	table						Uni	Unit: TOE
product	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
FO EXPORT	0	0	0	0	0	0	0	0	, 0,	0	0	0	0	0
PRIMARY ENERGY REQUIREMENT	0	293	334	445	445	477	524	57.1	565	458	499	593	814	346
OIL REFINING	0	٥	0	0	0	0	0	0	10	10	01	10	10	0
POWER GENERATION	0	0	0	. 0	0	0	0	0	0	0	0	0	0	Ö
-Input	0	-121	-131	-205	-168	-203	-,766	-301	-309	-210	-238	-297	-296	-95
Output	0	35	40	62	52	62	84	\$	98	40	72	16	68	28
TRANSM. & DISTRIB. LOSSES	0	0	0	0	0	0	0	0	0	0	0	0	0	ø
ENERGY SECTOR OWN USE	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NET SUPPLY	0	172	203	241	277	275	258	270	266	259	272	307	528	251
NET DOMESTIC CONSUMPTION		172	203	241	772	275	258	270	266	259	272	307	528	251
-Industry	0	155	183	212	256	246	228	203	196	961	219	216	370	224
-Agnoulture	0		0	0	0	0	0	36	37	24	22	86	50	2
-Transport	0	13	81	28	18	27	28	28	30	35	27	2	10	24
-Household/service	0	2	2	1	7	2	2	4	4	m	m	м	66	7
LPG PRODUCTION OF PRIMARY ENERGY	0	0		0	0	0	0	0	0	0	0	0	0	C
-Losses production & flared	0	0	0	0	0		Q	0	0	0	0	0	0	0

Figure 2.6-2h Report of Energy Balance Table of Vietnam(h)

			Vietn	am en	ergy b	Vietnam energy balance table	table						Cn	Unit: TOE
product	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
LPG -Net production	0	0	0	0	0	0	0	0	0	0	0	0	0	0
IMPORT	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EXPORT	0	0	0	0	0	0	0	0	٥	0	0	0	0	0
PRIMARY ENERGY REQUIREMENT	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OIL REFINING	0	0	0	0	0	0	0	0	0	0	•	0	0	0
POWER GENERATION	Φ.	0	0	0	0	0	0	0	0	0	0	0	0	0
-Input	0	0		0	0		0	0	٥	0	0	0	٥	0
-Output	0	٥	0	0	0	0	0	0	0	0	Ο,	0	0	٥
TRANSM. & DISTRIB, LOSSES	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ENERGY SECTOR OWN USE	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NET SUPPLY	0	0	0	0	0		0	0	0	0	0	0	0	•
NET DOMESTIC CONSUMPTION	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Industry	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Agriculture	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Transport	0	0	0	0	0	0	0	0	0	0	٥	0	0	0
-Household/service	O	0	0			0	0	0	0	0	0	0	0	0

Figure 2.6-2i Report of Energy Balance Table of Vietnam(i)

		ŕ	Vietna	ım en	ergy b	Vietnam energy balance table	table		1				Ωn	Unit: TOE
Arodict	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
Sub total PRODUCTION OF PRIMARY ENERGY	0	0	0	0	0	0	0	0	0	0	0	0	3258	0
I osses production & flared	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Net production	, 0	0	0	0	0	0	0	0	0	0	0	0	3258	0
TAPORT	0	1593	1655	1912	1911	1944	1989	2201	2328	2046	2018	2136	3349	1806
FXPORT	0	0	0	0	0	0	0	0	0	0	0	0	-3217	O
PRIMARY ENERGY REQUIREMENT		1593	1655	1912	1911	1944	1989	2201	2369	2087	2059	2176	3389	1806
OIL REFINING	0	0	0	0	0	0	0	0	tavd I	-1	7	7	-	0
POWER GENERATION		0	0	0	0	0	0	0	0	0	0	0	•	0
-Input	0	-218	-241	-348	300	-359	-389	437	462	-345	-380	413	464	-187
Outout	0	99	74	104	91	105	121	133	129	105	112	124	135	35
TRANSM. & DISTRIB. LOSSES	0	0	0	0	0	0	0	0	0	•	0	0	0	0
ENERGY SECTOR OWN USE	0	0	0	Q	0	0	0	0	0	0	0	0	0	0
NET SUPPLY		1375	1414	1564	1611	1585	1601	1764	1906	1742	1679	1763	2925	1619
NET DOMESTIC CONSUMPTION	0	1375	1414	1564	1611	1585	1601	1764	1906	1741	1679	1763	2925	1619
-Industry	0	253	299	399	457	431	396	387	388	331	37.1	278	487	357
-Agriculture	0	28	49	48	53	28	51	115	111	51	61	150	150	54
										Source: 1	nstitue of E	nergy, The	Source: Institue of Energy, The Socialist of Vietnam	Vietnam

Figure 2.6-2j Report of Energy Balance Table of Vietnam(j)

			Vietn	am en	ergy b	Vietnam energy balance table	table						Cni	Unit: TOE
product	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
Sub total -Transport	0	713	734	761	749	977	839	905	1030	\$06	898	1030	1863	810
-Household/service	0	351	332	356	353	318	314	357	377	454	378	304	424	397
Natural Gas PRODUCTION OF PRIMARY ENERGY	. •	0	17	0	50	32	32	32	31	17	m	17	ŗ	0
-Losses production & flared	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Net production	0	0	17	0	20	32	32	32	31	11	m	17	m	0
IMPORT	0	0	0	0	0	0	0	O	0	0	0	0	0	0
EXPORT	0	0	0	0	٥	0	0	0	0	Q	0	0	0	0
PRIMARY ENERGY REQUIREMENT	0	0	17	0	20	32	32	32	31	17	m -	17	m	0
OIL REFINING	0	0	0	0	0	0	0	0	0	0	0	0	0	0
POWER GENERATION	0	0	0	G	0	0	0 .	0	0	O	0	0	0	0
-Input	0	0	-17	0	-50	-32	-32	-32	-31	-17	ψ	-17	Ϋ́	0
-Output	0	0	3	0	10	9	9	9	9	2	0	E.	0	0
TRANSM. & DISTRIB. LOSSES	0	0	0	0	0	0	0	0	0	0	0	• .	0	0
ENERGY SECTOR OWN USE	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NET SUPPLY	0	0		0		0	0	0	0	0	0	0	0	0
NET DOMESTIC CONSUMPTION	0	0	0	0	9	0	0	0	0	O	0	0	0	0

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Figure 2.6-2k Report of Energy Balance Table of Vietnam(k)

			Vietn	am en	ergy b	Vietnam energy balance table	table		-				Cun	Unit: TOE
						1007	2007	4987	1988	1989	1990	1991	1992	1993
product	1980	1981	1982	1983	1984	1303	1300							
Natural Gas	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(neaph)	0	0	0	0	0	0	0	0	0	0	0	•	0	0
-Agnounae	0	0	0	0	0	0	0			0	0	0	0	φ
-1 ransport	. 0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Household/service Associal Gas PRODITICATION OF PRIMARY ENERGY	. 0	Ф	0	0	0	0	0	0	0	0	0	0	•	0
I osses woduction & flared	0		0	0	0	0	0	0	0	0	•	0	0	0
-Losses production	0	0	0	0		0	Q	0	0	0	0	0	0	0
-Nel production	0	0	0	0	0	0	Ф	0	0		0 0	•	0	
INFORT	0	Ü	0	0	0		0	0	0		0	0	0	0
EXPORT	· C		0	-		0	0	0		٥	0	0	0	0
PRIMARY ENERGY RECOLDERMENT	· C		, ,	0		0	0	0		0	0	0	0	0
OIL REFINING	•				ç	0	0	0		0	٥	0	0	0
POWER GENERATION	3						c		0	0	•	0	0	0
-Input	_	_	• •	, ,						c	c	c	0	0
-Output	J	0	0	0	0	0	0	- -	- -	5				c
TRANSM. & DISTRIB. LOSSES	Ū	0		0	0	0	0	0	0	0	0	9		
ENERGY SECTOR OWN USE	Ť		0	0	0	0	0	٥	0	0	0	0	0	5
		į								Source	: Institue of	Energy, Th	Source: Institue of Energy, The Socialist of Vietnem	f Vietnem

Figure 2.6-21 Report of Energy Balance Table of Vietnam(1)

			Vietn	am en	ergy b	Vietnam energy balance table	table						Cn	Unit: TOE
product	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
Associal Gas NET SUPPLY	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NET DOMESTIC CONSUMPTION	0	. 0	0	0	0	0	0	0	0	0	0	0		0
-Industry	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Agriculture	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Transport	0	0	0	0	0	0	0	0	0	0	0	0	0	Q
-Household/service	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hydro PRODUCTION OF PRIMARY ENERGY	0	624	631	515	622	525	480	470	989	1297	1877	2030	2317	577
-Losses production & flared	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Net production	٥	624	631	515	622	525	480	470	989	1297	1877	2030	2317	577
IMPORT	0	0	0	0	0	0	0	0	Ο.	0	0	0	0	,0
EXPORT	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PRIMARY ENERGY REQUIREMENT		624	631	515	622	525	480	470	989	1297	1877	2030	2317	577
OIL REFINING	0	0	0	0	0	0	0	0	0	0	0	0	0	0
POWER GENERATION	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Input	0	-624	-631	-515	-622	-525	480	470	-686	-1297	-1877	-2030	-2317	-577
-Output	0	130	134	105	138	127	121	119	154	330	463	544	623	128

Figure 2.6-2m Report of Energy Balance Table of Vietnam(m)

			Vietn	am en	ergy b	Vietnam energy balance table	table						5	Unit: TOE
product	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
Hydro TRANSM. & DISTRIB. LOSSES	0	0	٥	0	0	0	0	0	0	0	0	0	0	0
ENERGY SECTOR OWN USE	0		0	0	0	0	0	0	0	0	0	0	0	0
NET SUPPLY	0	O	•	0	0	0	0	0	0	0	0	0	0	0
NET DOMESTIC CONSUMPTION	0	0	.0	0	0	0	0	0,	0	0	0	0	0	0
-Industry	0	٥	0	0	0	0	0	0	0	0	0	0	0	0
-Agriculture	0	0		o	0	0	0	0	0	0	0	0	0	0
-Transport		0	0	٥	0	0	O	0	0	0	0	0	0	0
-Household/service	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Elect PRODUCTION OF PRIMARY ENERGY	٥	0	0	O.		0	0	O	0	0	0	0	0	0
-Losses production & flared	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Net production	0	0	. 0	0	0	0	0	0	0	0	0	0	0	0
IMPORT	0	Φ	0	0	_		0	0	0	0	0	0	0	0
EXPORT	0		0	-	0	0	0	0	0	0	0	0	0	0
PRIMARY ENERGY REQUIREMENT	0		0		0	0	0	0	0	0	0	0	0	0
OIL REFINING			0 0	0	0	0	0	0	0	0	0	0	0	0
POWER GENERATION	Φ		0	0	0	0	0	0	0	0	0	0	0	0

Figure 2.6-2n Report of Energy Balance Table of Vietnam(n)

			Vietn	am en	ergy b	Vietnam energy balance table	table						S	Unit: TOE
product	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
Elect -Input	°	C	0	0	0	0	0	0	0	0	0	0	•	0
-Output	0	321	343	351	412	437	476	521	585	672	748	789	832	307
TRANSM. & DISTRIB. LOSSES	٥,	61	99-	-65	-67	-76	-85	-71	-104	-147	-179	-194	-206	9
ENERGY SECTOR OWN USE	0	-19	-20	-23	-26	-28	-33	-36	-39	-38	-33	-27	-29	-18
NET SUPPLY	0	241	256	263	318	332	359	414	442	487	536	267	597	229
NET DOMESTIC CONSUMPTION	0	241	256	263	318	332	359	414	442	487	536	567	597	229
-Industry	0	122	135	143	185	187	193	224	231	223	238	253	276	115
-Agriculture	0	27	21	16	26	26	28	33	38	40	53	70	\$	25
-Transport	0	0	0	0	0	-			7		. 73	2	40	0
-Household/service	٥	92	100	104	106	118	136	156	171	223	243	242	233	6 8
Total PRODUCTION OF PRIMARY ENERGY	0	3222	3526	3277	3384	3354	3615	3954	4441	5396	7694	8407	8825	3082
-Losses production & flared	٥	0	0	0	0	0	0	0	0	•	-503	-503	-503	0
-Net production	0	3222	3526	3277	3384	3354	3531	3954	4441	5396	7191	7904	8323	3082
IMPORT	0	1597	1656	1912	1161	1944	1989	2201	2328	2046	2018	2136	3349	6081
EXPORT	0	-467	-337	-201	-235	-302	-310	-385	-815	-1739	-3080	-3689	4001	-320
PRIMARY ENERGY REQUIREMENT	0	4352	4845	4988	5061	4996	5252	5769	5954	5704	6129	6350	7670	4571

Figure 2.6-20 Report of Energy Balance Table of Vietnam(o)

			Vietn	Vietnam energy balance table	ergy b	alance	table						Unit	Unit: TOE
	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
Product Total Or permine		°	0		٥	0	0	0	7	7	-1	1-	-1	0
OUL REFUNDA		0	0	0	0	0	0	0	0	0	0	0	0	0
-Inout	0	-1544	-1609	-1715	-1859	-1807	-1892	-2066	-2608	-2643	-3035	-2941	-3133	-1380
Output		321	343	351	412	437	476	521	585	672	748	789	832	307
TRANSM & DISTRIB. LOSSES	0	41	. 99	\$9-	-61	-76	-85	-71	-104	-147	-179	-194	-206	Ŷ
ENERGY SECTOR OWN USE	0	-19	-20	-23	-26	-28	-33	-36	-39	-38	-33	-27	-29	-18
NET SUPPLY	0	3049	3492	3536	3519	3522	3719	4118	3788	3547	3629	3976	\$134	3420
NET DOMESTIC CONSUMPTION		3049	3492	3536	3520	3522	3719	4118	3788	3547	3629	3976	5134	3420
-Industry	0	1567	1888	1862	1886	1906	2014	2184	1778	1633	1786	1954	2157	1741
-Agriculture	0	95	85	79	92	26	93	160	162	104	127	232	246	88
-Transport		757	826	859	820	831	884	965	1072	923	884	1047	1878	867
-Household/service	0	631	693	737	721	687	727	808	776	886	832	743	852	724

Source: Institue of Energy, The Socialist of Vietnam Figure 2.6-2p Report of Energy Balance Table of Vietnam(p)

China

		1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991
Population		981234944 9	981234944 993861120 1,009E+09 1,023E+09 1,037E+09 1,051E+0¢ 1,067E+09 1,084E+09 1,102E+09 1,119E+09 1,134E+09	009E+09 1.	023E+09 1.	037E+09 1	.051E+051	.067E+09 1	.084E+09.1	.102E+09 1	.119E+09.1	134E+09	0
GNP per capita (L	(US\$, curr. pr.)	300	320	320	320	330	320	300	300	330	350	370	0
GDP (billion 1987 US dollars)	ลเร)	1.578E+11	[.578E+1] 1.649E+11 1.792E+11 1.973E+11 2.258E+11 2.535E+112.745E+11 3.044E+11	792E+11 1.	973E+11 2.	258E+11 2	.535E+112	.745E+11 3		3,346+11 3,4546+11 3,6096+11	.454E+11 3	.609E+11	C
Gross National Product	(local.cum.pr.)	4.470E+11	4,470E+11 4,773E+11 5,193E+11 5,809E+11 6,962E+11 8,568E+119,696E+11 1,130E+12 1,398E+12 1,579E+12	193E+11 5.	809E+11 6.	962E+11 8	.368E+119	.696E+11 1	.130E+12 1	.398E+12 1		1,74E+12	9
Gross Domestic Product	(local.curr. pr.)	4.467E+11	4,467E+11 4,770E+11 5,189E+11 5,798E+11 6,938E+11 8,559E+119,699E+11 1,133E+12 1,401E+12 1,586E+12 1,745E+12	189E+11 5.	798E+11 6.	938E+11 8	.559E+119	.699 E +11 1	.133E+12 1	.401E+12	.\$86E+12_1	.745E+12	0
Gross National Product	(local.const. pr.)	5.877E+11 (5.877E+11 6.141E+11 6.675E+11 7.363E+11 8.434E+11 9.445E+111.021E+12 1.130E+12 1.241E+12 1.24E+12 1.339E+12	675E+11 7.	363E+11 8.	434E+11 9	.445E+111	.021E+12 1	.130E+12 1	.2+1E+12	1.28E+12 1	.339E+12	0
GDP at market prices	(local.const. pr.)	5.873E+11 (5.873E+11 6.137E+11 6.670E+11 7.345E+11 8.406E+11 9.436E+111.022E+12 1.133E+12 1.243E+12 1.286E+12 1.343E+12	670E+11 7.	345E+11 8.	406E+11 9	.436E+111	.022E+12 1	.133E+12	.243E+12 1	.286E+12 1	.343E+12	©
GDP at factor cost (1	(local const. pr.)	0	0	С	0	0	J	÷	a		0	Þ	0
GDP Deflator	(1987=100 Index)	76.065521	76.065521 77.724197 77.798508 78.936798 82.543701 90.71080¢ 94.930573	7,798508 7	8.936798 8	2.543701 9	90.71080C 5	7.930573	100	100 112,69695 123,34656 129,95024	123.34656	129.95024	С
Conversion Factor (Ann. av., local per USS)		1.4980001	1,4980001 1,7049999 1,8924999 1,9757004 2,3199997 2,9366995 3,4527998 3,7221003 3,7220001 3,7639999 4,7831993	8924999	9757004 2	. 7999918.	2.9366995	3,4527998	3.7221003	3,7220001	3.7639999	1,7831993	0

Figure 2.6-3a Report of Economy Data(a)

				France	:									
		1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	
Population		53880000	54182000 54480000	24180000	54728000 54947008	8002+6+9	55170000	5517000(55394000 55630000	55630000	55884000	25884000 56160000	56440000	c	
GNP per capita (US	(US\$, curr. pr.)	11850	12420	11890	10630	9950	9750	08201	12970	16240	17910	19520	0	
GDP (billion 1987 US dollars)		7.872E+11 7.964E+11 8.153E+11 8.213E+11 8.334E+11 8.485E+11 8.69E+11 8.879E+11 9.22E+11 9.552E+11 9.799E+11	7,964E+11 {	(153E+11 8	3.213E+11 8	8.334E+11	8.485E+13	8,69E+11 8	8.879E+11	9.22E+11	9.552E+11 9	799E+11	C	
Gross National Product	(local,curr. pr.)	2.821E+12 3	1.175E+12 .	3.628E+12	3,995E+12 -	4.338E+12	4.674E+12:	5.053E+12 :	5.324E+12	5.712E+12	12 3.175E+12 3.628E+12 3.995E+12 4.338E+12 4.674E+125.053E+12 5.324E+12 5.712E+12 6.126E+12 6.467E+12	5.467E+12	0	
Gross Domestic Product	(local.curr.pr.)	2.808E+12 3.165E+12 3.626E+12 4.006E+12 4.362E+12 4.700E+125.069E+12 5.337E+12 5.723E+12 6.136E+12 6.48+E+12	3.165E+12.	3.626E+12 -	4.006E+12 ·	4,362E+12	4.700E+12.	5,069E+12	5.337E+12	5.723E+12	6,136E+12	6.484E+12	0	_
Gross National Product	(local.const. pr.)	4.753E+12 -	4.803E+12	4.903E+12 ·	4.923E+12	4.983E+12	5.073E+12.	5.206E+12	5.324E+12	5.531E+12	4.753E+12 4.803E+12 4.903E+12 4.923E+12 4.983E+12 5.073E+125.206E+12 5.324E+12 5.531E+12 5.732E+12 5.875E+12	5.875E+12	3	
GDP at market prices	(local,const. pr.)	4.732E+12 4.787E+12 4.901E+12 4.937E+12	4.787E+12	4.901E+12 ·	4.937E+12		5.100E+12	5.223E+12	5.337E+12	5.542E+12	5.01E+12 5.100E+125.223E+12 5.337E+12 5.542E+12 5.742E+12 5.890E+12	5.890E+12	0	
GDP at factor cost (4	(local.const. pr.)	4.142E+12.	4.215E+12	4,297E+12	4.331E+12	4.391E+12	4.465E+12	4.578E+12	4.669E+12	4.825E+12	4.142E+12 4.215E+12 4.297E+12 4.331E+12 4.391E+12 4.465E+124.578E+12 4.669E+12 4.825E+12 5.005E+12 5.141E+12	5,141E+12	0	_
GDP Deflator	(1987=100.Index)	59.348251	66.11319	66.11319 73.992081 81.154541 87.072647 92.152675 97.051666	81.154541	87.072647	92.152675	97.051666		103.27249	100 103.27249 106.86899 110.08549	110.08549	С	_
Conversion Factor (Ann.	(Ann. av., local per US\$)	4.2255697	5,4346104	4.2255697 5.4346104 6.5720997 7.6212902 8.7391005	7.6212902	8,7391005		6.9260902	6.0107098	5.9569397	8.98522 6.9260902 6.0107098 5.9569397 6.3801403 5.4452696	5,4452696	0	_

Figure 2.6-3b Report of Economy Data(b)

Indonesia

		1980	1981	1982	1983	1984	1985	1986	1987	1988	6861	1990	1991
Population		148303008	148303008 151305008 154245008 157157008 160075008 16303600C 166015008 168990000 171994000 175063008 178232000	\$4245008 1	57157008 1	60075008 1	1.)0098089	66015008 1	68990000 1	1 00016612	75063008	178232000	0
GNP per capita	(US\$, curr. pr.)	0.25	550	610	610	590	55(530	200	06†	210	570	0
GDP (billion 1987 US dollars)	ollars)	5.359E+10.	5.359E+10 5.757E+10 5.737E+10 6.242E+10 6.666E+10 6.843E+10 7.24E+10 7.593E+10 8.034E+10 8.634E+10 9.256E+10	,737E+10 C	.242 E +10 6	;,666E+10 6	3.843E+10	7.24E+10 7	.593E+10 8	.034E+10 8	8.634 E +10	9.256E+10	c
Gross National Product	(local.curr. pr.)	4.690E+13	4.690E+13 5.65E+13 5.961E+13 7.430E+13 8.572E+13 9.306E+139.856E+13 1.188E+14 1.352E+14 1.594E+14 1.884E+14	5.961E+13.7	7,430E+13 \$	3,572E+13 9).306E+135	.856E+13	.188E+14-1	.352E+14)	1.594E+14	1.884E+14	G
Gross Domestic Product	(local.curr. pr.)	4.891E+13	4.891E+13 5.842E+13 6.265E+13 7.762E+13 8.988E+13	5.265E+13 7	7.762E+13 8	3.988E+13	9.7 E +13.1	.027E+14.	9.7E+131.027E+14-1.248E+14-1.421E+14-1.675E+14-1.977E+14	.421E+14	1.675E+14	1.977E+14	
Gross National Product	(local,const. pr.)	7,930E+13	7.930E+13 8.589E+13 8.674E+13 9.435E+13 1.012E+14 1.048E+1411.121E+14 1.188E+14 1.272E+14 1.371E+14 1.471E+14	3.674E+13 9),435E+13 1	1.012E+14	1.048E+141	.121E+14	1.188E+14 1	.272E+14	1,371E+14	1.4715+14	Φ
GDP at market prices	(local,const. pr.)	8.809E+13	8.809E+13 9.463E+13 9.430E+13 1.026E+14 1.096E+14 1.125E+141.190E+14 1.248E+14 1.321E+14 1.419E+14 1.522E+14).430E+13	1.026E+1+ 1	1.096E+14	1.125E+14	.190E+14	1.248E+14 1	.321E+14	I.419E+14	1.522E+14	C
GDP at factor cost	(local,const. pr.)	0	0	0	0	0	Ÿ	5	O	0	0	0	0
GDP Deflator	(1987=100.Index)	55,525116	55.525116 61.735062 66.432648 75.649841 82.029724 86.235515 86.285629	66.432648	75,649841	82.029724	86.235519	86.285629	100	100 107.60544 118.01231 129.94524	118.01231	129.94524	9
Conversion Factor (Ar	(Ann. av., local per US\$)		626.98999 631.76001 661.41992 909.26001 1025.8999 1110.6001 1282.6001 1643.8000	661,41992	909,26001	1025.8999	1110.6001	1282.6001	0008:8191	1685.7	1685.7 1770,0601 1842.8101	1842.8101	0

Figure 2.6-3c Report of Economy Data(c)

Japan

		0861	1861	1982	1983	1984	1985	1986	1987	1988	1989	1990	1661
Population		116782000	117648000 1	18449008 1	116782000 117648000 118449008 119259008 120018000 12075400C 121492000 122091008 122613008 123116000 123537008	0018000 12	2075400C1	21492000 1	22091008 1	22613008 1	23116000 1	23537008	9
GNP per capita	(US\$. curr. pr.)	9830	10350	10310	10340	10570	11350	13010	16020	21+00	24240	25890	0
GDP (billion 1987 US dollars)	ılars)	1.877E+12	1.944E+12.2	2.006E+12 2	1.877E+12 1.944E+12 2.006E+12 2.059E+12 2.147E+12 2.254E+122.314E+12 2.409E+12 2.559E+12 2.677E+12 2.828E+12	1476+12 2	.254E+122	314E+12 2	.409E+12 2	.559E+12 2	.677E+12	828E+12	Đ
Gross National Product	(local.curr. pr.)	2.401E+14	2.574E+14 2	2.707E+14 2	2.401E+14 2.574E+14 2.707E+14 2.821E+14 3.010E+14 3.216E+143.358E+14 3.505E+14 3.737E+14 3.987E+14 4.292E+14	010E+14 3	.216E+143	.358E+14 3	.505E+14 3	.737E+14 3	:987E+14 -	1.292E+14	Đ
Gross Domestic Product	(local.cum. pr.)	2.402E+14	2.58E+14.2	2.706E+14 2	2.58E+14.2.706E+14.2.818E+14.3.005E+14.3.204E+143.346E+14.3.484E+14.3.714E+14.3.958E+14.4.261E+14	005E+143	.204E+143	.346E+14	1484E+14 3	.714E+14 3	.958E+11 -	1.261E+14	0
Gross National Product	(local.const. pr.)	2,7146+14	2.806E+14	2,902E+14 2	2.714E+14 2.806E+14 2.902E+14 2.982E+14 3.111E+14 3.272E+143.359E+14 3.505E+14 3.724E+14	111E+143	.272E+143	3.359E+14	.505E+14 3	.724E+14	3.9E+14.	3.9E+14 4.119E+14	0
GDP at market prices.	(local,const. pr.)	2,715E+14	2.812E+14	2.901E+14.2	2.715E+14 2.812E+14 2.901E+14 2.979E+14 3.106E+14 3.261E+143.347E+14 3.484E+14 3.701E+14 3.872E+14 4.09E+14	106E+14 3	.261E+143	3.347E+14	184E+14 3	.701E+143	872E+14	4.09E+14	
GDP at factor cost	(local.const. pr.)	2,559E+14	2.644E+14	2.728E+14.2	2.559E+j4 2.644E+j4 2.728E+j4 2.806E+j4 2.911E+j4 3.048E+j43.132E+j4 3.235E+j4 3.426E+j4 3.587E+j4 3.787E+j4	9116+143	.048E+143	3.132E+14.	3.235E+14	.,426E+14 3	3:587E+14	3.787E+14	c
GDP Deflator	(1987=100, Index)	88.461578	91.722031	93,267792	88.461578 91.722031 93.267792 94.595428 96.774719 98.267883 99.969208	6.774719	98.267883	99.969208	100	100 100.35983 102.23984	102.23984	104.1915	0
Conversion Factor (A)	(Ann. av., local per US\$)	226.741	220.536	249.077	249.077 237.51199 237.52200	37.52200	238.536	168.52000	144,63699	238.536 168.52000 144.63699 128.15199 137.96400 144.79201	137.96400	144,79201	0

Figure 2.6-3d Report of Economy Data(d)

Korea. Rep. of

				•	•									ļ
		1980	1981	1982	1983	1984	1985	1986	1987	1988	6861	1990	1991	ŀ
Population		38124000	38723008	39326000	38124000 38723008 39326000 39910000 40406000 4080600K 41184000 41575008	00090101	40806000.	000+8111	41575008	11975008 42380000 42793008	42380000	42793008		c
GNP per capita	(US\$, curr. pr.)	1620	1830	1930	2110	2240	232(2570	2950	3600	0011	2400		c
GDP (billion 1987 US dollars)	lars)	C	. 0	c	0	0)	0	0	0	0	0		0
Gross National Product	(local.curr. pr.)	3.675E+13 4.553E+13 5.218E+13 6.172E+13 7.008E+13 7.809E+13.9.054E+13 1.056E+14 1.236E+14 1.411E+14 1.677E+14	1.553E+13 :	5.218E+13	5.172E+13.7	,008E+13	7.809E+139	(054E+13	1.056E+14	1,236E+14 B	1.411E+14 1	1.677E+14		=
Gross Domestic Product	(local.curr. pr.)	3.804E+13	4.748E+13 3	5.444E+13	3.804E+13 4.748E+13 5.444E+13 6.383E+13 7.264E+13 8.085E+129.337E+13 1.080E+14 1.253E+14 1.423E+14 1.673E+14	7.264E+13 8	3.085E+13.9	,337E+13	1.080E+14	1,253E+1+ 1	1,423E+14	1.673E+14		၁
Gross National Product	(local.const. pr.)	5.55E+13.	5.885E+13	6.31E+13	E+13.5.885E+13 6.31E+13.7.127E+13.7.775E+13.8.315E+129.382E+13.1.056E+14.1.185E+14 1.27E+14.1.402E+14	7.775E+13 t	8,315E+129	,382E+13	1.056E+14	1.185E+14	1.27E+14	1,402E+14		9
GDP at market prices	(local,const. pr.)	5.739E+13	6.134E+13	6.585E+13	5.739E+13 6.134E+13 6.585E+13 7.379E+13 8.060E+13 8.618E+139.678E+13 1.080E+14 1.202E+14 1.279E+14 1.399E+14	3.060E+13	8,618E+139),678E+13	1.080E+1+	1.202E+14	1.279E+14	1.399E+14		=
GDP at factor cost	(local.const. pr.)	5.055E+13	5,404E+13	5.786E+13	5.055E+13 5.404E+13 5.786E+13 6.438E+13 7.092E+13 7.618E+1?8.553E+13 9.549E+13 1.062E+14 1.136E+14 1.242E+14	7.092E+13	7.618E+138	3.553E+13	9.549E+13	1.062E+14	1,136E+14	1,242E+14		0
GDP Deflator	(1987=100.index)	66.282227	77.412048	82.673065	66.282227 77.412048 82,673065 86,505951 90,126587 93,814452 96,479996	90.126587	93.814452	96.479996	100	100 104,25276 111,19319 119,63705	111,19319	119,63705		0
Conversion Factor (Ann. av., local per US\$)	nn. av., local per US\$)	607,43188	681.02808	731.08398	607,43188 681,02808 731,08398 775,74805 805,97607 870,02002 881,45410 822,56689 731,46802 671,45605 707,76392	805.97607	870.02002	881,45410	822.56689	731.46802	671,45605	707.76392		a

Figure 2.6-3e Report of Economy Data(e)

			Malaysia										
	1980	1861	1982	1983	1984	1985	1986	1987	1988	1989	1990	1661	
Population	00019261	14130000	14510000	14887000	13764000 14130000 14510000 14887000 15272000 1568200(16109000 16528000 16942000 17353008 17861008	15682000	16109000	16528000	16942000	17353008	80019841	O .	
GNP per capita (US\$. curr. pr.)	1690	1880	0061	1900	2040	0261	0+81	1830	1930	2120	2320	5	5
GDP (billion 1987 US dollars)	2.116E+10	2,261E+10	2.395E+10	2.549E+10	2.116E+10.2.261E+10.2.395E+10.2.549E+10.2.75E+10.2.717E+1C.2.750E+10	2.717E+1C	2.750E+10	2.9E+10	2.9E+10 3.163E+10 3.441E+10 3.785E+10	.441E+10 3	1.785E+10	J	a
Gross National Product (local.curr. pr.)	5,139E+10	5.560E+10	5.969E+10	6.553E+10	5.139E+10 5.560E+10 5.969E+10 6.553E+10 7.418E+10 7.196E+1C6.681E+10 7.468E+10 8.578E+10 9.56E+10 1.097E+11	7.196E+1C	6.681E+10	7,468E+10	8.578E+10	9.56E+10	1.097E+11	Ü	o
Gross Domestic Product (tocal curr. pr.)	5.331E+10	5.761E+10	6.258E+10	6,994E+10	5.331E+10 5.761E+10 6.258E+10 6.994E+10 7.955E+10 7.747E+107.159E+10 7.962E+10 9.086E+10 1.015E+11 1.146E+11	7.747E+10	7.159E+10	7.962E+10	9,086E+10	1.015E+11	1,146E+11	•	0
Gross National Product (local.const. pr.)	5.139E+10	5.521E+10	5.773E+10	6.001E+10	5.139E+10 5.521E+10 5.773E+10 6.001E+10 6.409E+10 6.322E+10.6.488E+10 6.851E+10 7.514E+10 8.168E+10 9.126E+10	6.322E+10	6.488E+10	5.851E+10	7.514E+10	8.168E+10	9.126E+10		5
GDP at market prices (local const. pr.)	5.331E+10	5.696E+10	6.035E+10	6,422E+10	5,331E+10 5,696E+10 6,035E+10 6,422E+10 6,928E+10 6,845E+1C 6,93E+10 7,306E+10 7,968E+10 8,67E+10 9,537E+10	6.845E+1C	6.93E+10	7,306E+10	7.968E+10	8.67E+10	9.537E+10	_	=
GDP at factor cost (local coust, pr.)	4,417E+10	4.819E+10	5.158E+10	5,378E+10	4,417E+10 4,819E+10 5,158E+10 5,378E+10 5,761E+10 5,719E+106,012E+10 6,378E+10 6,916E+10 7,558E+10	5.719E+1C	6.012E+10	6.378E+10	6.916E+10	7.558E+10	0		=
GDP Deflator (1987=100 Index)	001		103.68509	108.91623	101.1465 103.68509 108.91623 114.82080 113.17888 103.31369 108.99135 114.02876 117.02931 120.18608	113,17888	103.31369	108,99135	114.02876	117,02931	120.18608		\$
Conversion Factor (Aun. av., local per US\$)		2,3041000	2.3353996	2.3212996	2.1768999 2.3041000 2.3353996 2.3212996 2.3436003 2.4829998 2.5813999 2.5195999 2.6188002 2.7088003 2.7048998	2,4829998	2.5813999	2,5195999	2.6188002	2.7088003	2.7048998		0

Figure 2.6-3f Report of Economy Data(f)

Phillipp

				-									
		1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991
Population		+8323008 +	9540000	20800000	52055008	53351008	\$4700000	\$600,4000	57356000	58721008	49540000 50800000 52035008 53331008 54700000 56004000 57356000 58721008 60097008 61480000	00008119	9
GNP per capita	(US\$, curr. pr.)	050	720	760	710	610)†¢	550	570	620	089	730	0
GDP (billion 1987 US dollars)	oltars)	3.28E+10 3.3	391E+10 3	.513E+10 3	.577E+10	3.314E+10	3.073E+IC	. i79E+10 .	3,331E+10	3.541E+10	-10-3.391E+10-3.513E+10-3.577E+10-3.314E+10-3.073E+1(.3.179E+10-3.331E+10-3.541E+10-3.751E+10-3.832E+10	3.832E+10	0
Gross National Product	(local.curr. pr.)	2,433E+11 2.8	805E+11 3	.135E+11 3	.633E+11	5,085E+11	5.561E+115	.963E+11 (5.731E+11	7.957E+11	:11 2.805E+11 3.135E+11 3.633E+11 5.085E+11 5.561E+115.963E+11 6.731E+11 7.957E+11 9.112E+11 1.069E+12	1.069E+12	С
Gross Domestic Product	(local.cum.pr.)	2.437E+11.2.816E+11.3.172E+11.3.691E+11.5.245E+11.5.719E+116.089E+11.6.851E+11.8.030E+11.9.226E+11.1.066E+12	816E+113	172E+11 3	.691E+11 :	5.245E+11	5.719E+110	.089E+11	5.851E+11	8.030E+11	9.226E+11	L.066E+12	0
Gross National Product	(local.const. pr.)	6.737E+11 6.5	953E+11 7	.148E+11.7	.245E+11 (5.615E+11	6.149E+110	5.404E+11 (5.731E+11	7.216E+11	6.953E+117.148E+117.245E+116.615E+116.149E+116.404E+116.731E+117.216E+117.621E+117.899E+11	7.899E+11	0
GDP at market prices	(local.const. pr.)	6.746E+11 6.975E+11 7.226E+11 7.356E+11 6.817E+11 6.321E+116.538E+11 6.851E+11 7.283E+11 7.715E+11 7.881E+11	975E+11 7	.226E+11 7	.356E+11 (5.817E+11	6.321E+110	5.538E+11	5.851E+11	7.283E+11	7.715E+H	7.881E+11	5
GDP at factor cost	(local.const. pr.)	6.033E+11 6.333E+11 6.573E+11 6.664E+11 6.246E+11 5.776E+115.976E+11 6.148E+11 6.702E+11 7.059E+11 7.205E+11	333E+11 6	573E+11 (,664E+11 (5.246E+11	5.776E+11	5.976E+11 (5. I +8E+11	6.702E+11	7.059E+11	7.205E+11	0
GDP Deflator	(1987=100.Index)	36.134964 40	0.371597	13.893921	50.172104	40.371597 43.893921 50.172104 76.935455 90.470428 93.136292	90.470428	93,136292	100	110.25308	100 110,25308 119,57538	135,3006	0
Conversion Factor (As	(Ann. av., local per US\$)	7,5114002 7,8997002	8997002	8.54	11.113	16.699005	366909.81	11.113 16,699005 18.606995 20,386002 20,567993 21,095001	20,567993	21.095001	21.737	21.737 24.311005	3

Figure 2.6-3g Report of Economy Data(g)

Singapore

1.													
		0861	1861	1982	1983	1984	1985	1986	1987	8861	6861	1990	1661
Population		2414000	2481000 2546000	2546000	2610000 2671000	2671000	273100C	2789000	2845000	2900000 2952000	2952000	3003000	5
GNP per capita	(US\$. curr. pr.)	4550	5360	5990	0899	7330	7120	6850	7260	\$190	9420	11160	0
GDP (billion 1987 US dollars)	ollars)	1.348E+10 1,477E+10 1,578E+10 1,707E+10 1.85E+10 1,816E+1(1,848E+10 2,023E+10 2,25E+10 2,457E+10 2,66E+10	.477E+10 1	.578E+10 1	.707E+10	1. 85E +10 1	.816E+1C1	.848E+10 2	.023E+10	2.25E+10 2	.457E+10	2.66E+10	0
Gross National Product	(local.curr.pr.)	2.419E+10 2.819E+10 3.178E+10 3.656E+10 4.082E+10 4.033E+1C3.960E+10 4.319E+10 4.994E+10 5.634E+10 6.391E+10	.819E+10 3	.178E+10 3	.656E+10 4	.082E+10 +	1.033E+1C3	.960E+10 4	.319E+10 4	.994E+10 5	.634E+10 6	.391E+10	ο,
Gross Domestic Product (local.curr. pr.)	(local.curr. pr.)	2.509E+10 2.934E+10 3.267E+10 3.673E+10 4.005E+10 3.892E+1(3.865E+10 4.261E+10 4.969E+10 5.624E+10 6.271E+10	.934E+10 3	.267E+10 3	,673E+10 4	.005E+10 3	3.892E+1(3	.865E+10 4	.261E+10 4	.969E+10 5	.624E+10 6	.271E+10	2
Gross National Product	(local.const. pr.)	2.737E+10 2.987E+10 3.229E+10 3.578E+10 3.972E+10 3.965E+1(3.989E+10 4.319E+10 4.76E+10 5.182E+10	.987E+10 3	.229E+10 3	.578E+10 3	.972E+10	3.965E+1C3	:,989E+10 4	.319E+10	4.76E+10 5		5.71E+10	0
GDP at market prices	(local.const. pr.)	2.839E+10 3	.111E+10 3	.324E+10 3	.596E+10 3	896E+10	3.824E+1(.3	.892E+10 4	.261E+10 4	5+10 3.111E+10 3.324E+10 3.596E+10 3.896E+10 3.824E+1(.3.892E+10 4.261E+10 4.738E+10 5.174E+10 5.602E+10	.174E+10 5	.602E+10	0
GDP at factor cost	(local.const. pr.)	2,591E+10 2.847E+10 3,031E+10 3,270E+10 3,543E+10	.847E+10 3	.031E+10 3	.270E+10 3	543E+10	3.5E+1C	3.629E+10 3	.974E+10	3.5E+1(.3.629E+10.3.974E+10.4.416E+10.4.768E+10.5.146E+10	1,768E+10 5	5,146E+10	0
GDP Deflator	(1987=100.Index)	88.389450 94.321442 98.276474 102.16075 102.80049 101.78492 99.312744	94.321442	38.276474	102.16075	102.80049	101,78492	99.312744	100	100 104,88963 108,69275 111.94588	108.69275	111.94588	0
Conversion Factor (A	(Ann. av., local per US\$)	2.1412001 2.1127005 2.1400003 2.1131001 2.1330996 2.2002001 2.173996 2.1059999 2.0123997 1.9503002	2.1127005	2.1400003	2.1131001	2.1330996	2.2002001	2.1773996	2.1059999	2.0123997	1.9503002	1.8125	0

Figure 2.6-3h Report of Economy Data(h)

Thailand

		0861	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1661	í
Population		46700000	46700000 47727008 48740000 49739008 50720000 51683008 52654000 53605008	00001287	49739008	50720000	51683008	52654000		24536000 55448000		\$5801008		0
GNP per capita	(US\$. curr. pr.)	670	750	. 780	810	8+0	308	800	098	1030	1220	1420		C
GDP (billion 1987 US dollars)	skars)	3.223E+10 3.425E+10 3.563E+10 3.818E+10 4.092E+10 4.23E+1C4.444E+10 4.872E+10 5.525E+10 6.201E+10 6.839E+10	3 425E+10 3	.563E+10 .	3.818E+10 ·	t.092E+10	4.23E+104	;444E+10 ·	1.872E+10	5,525E+10 (5.201E+10 (S.839E+10		0
Gross National Product	(local.curr. pr.)	6.531E+11.7	:+11 7,482E+11 8.071E+11 9,034E+11 9,62E+11 9,968E+111.073E+12 1,231E+12 1,482E+12 1,753E+12 2,030E+12	3.071E+11	9.034E+11	9.62E+11	9.968E+111	.073E+12	1.231E+12	1.482E+12	1.753E+12	2.030E+12		5
Gross Domestic Product	(local.curr. pr.)	6.585E+11 7.602E+11	7.602E+11	8.2E+11	8.2E+11 9.101E+11 9.734E+11 1.014E+121.095E+12 1.253E+12 1.507E+12 1.776E+12 2.051E+12	9.734E+11	1.014E+12	1.095E+12	1.253E+12	1,507E+12	1.776E+12	2.051E+12		=
Gross National Product	(local.const. pr.)	8.236E+11 8.663E+11 9.009E+11 9.783E+11 1.043E+12 1.070E+121.120E+12 1.231E+12 1.398E+12 1.575E+12 1.743E+12	8.663E+11 \$).009E+11	9.783E+11	1,043E+12	1.070E+12	1.120E+12	1.231E+12	1.398E+12	1.575E+12	1.743E+12		0
GDP at market prices	(local const. pr.)	8.291E+11 8.811E+11 9.166E+11 9.822E+11 1.053E+12 1.088E+121.143E+12 1.253E+12 1.421E+12 1.595E+12 1.759E+12	8.811E+11).166E+11	9.822E+11	1.053E+12	1.088E+12	1.143E+12	1.253E+12	1,421E+12	1.595E+12	1.759E+12	٠	0
GDP at factor cost	(local.const. pr.)	11+380+11	7.408E+11.7.909E+11.8.273E+11.8.782E+11.9.375E+11.9.754E+111.019E+12.1.103E+12.1.259E+12.1.431E+12.1.576E+12	8.273E+11	8.782E+11	9.375E+I1	9.754E+11	1.019E+12	1.103E+12	1.259E+12	1.431E+12	1.576E+12		- - -
GDP Deflator	(1987=100.lndex)	79.42215	79.42215 86,282440 89,464828 92.663605 92,466827 93,232178 95,829269	89,464828	92.663605	92.466827	93.232178	95,829269	001	106.03651	100 106.03651 111.33353 116.59248	116.59248		0
Conversion Factor (A	(Ann. av local per US\$)	20.475998 21.820007	21.820007	23		23,639008	23 23.639008 27.158997 26.298996 25.723007 25.293701 25.701996 25.585007	26.298996	25,723007	25.293701	25,701996	25.585007		0

Figure 2.6-3i Report of Economy Data(i)

United States

		1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1661
Population		227757008 230138000 232520000 234799008 237001008 23927900£241625008 243942000 246307008 248762000 249975008	30138000 23	12520000 27	34799008 2	37001008 2	392790082	241625008 2	43942000 2	46307008 2	.48762000	249975008	2
GNP per capita (US	(US\$, cum. pr.)	11990	13310	13650	14520	15930	16790	17520	18450	19700	20850	21790	0
GDP (billion 1987 US dollars)	rs)	3.629E+12 3.713E+12 3.615E+12 3.749E+12 4.016E+12 4.167E+124.301E+12 4.453E+12 4.655E+12 4.785E+12 4.829E+12	.713E+12 3.	.615E+12 3	749E+12	.016E+12	t,167E+12	4.301E+12 -	1,453E+12 4	.655E+12 4	t,785E+12	4.829E+12	0
Gross National Product	(local.curr. pr.)	2.736E+12.3.062E+12.3.173E+12.3.403E+12.3.77E+12.4.008E+124.216E+12.4.488E+12.4.85E+12.5.176E+12.5.441E+12	1,062E+12 3.	.173E+12 3	.403E+12	3,77E+12 -	1.008E+12	4.216E+12 -	1,488E+12	4.85E+12	5.176E+12	5.441E+12	c
Gross Domestic Product	(local,curr. pr.)	2.686E+12 3.007E+12 3.119E+12 3.349E+12 3.718E+12 3.962E+124.176E+12 4.453E+12 4.809E+12 5.132E+12 5.392E+12	3.007E+12 3.	.119E+12 3	.349E+12 .	1,718E+12	3.962E+12	4.176E+12	1,453E+12 -	1.809E+12 ;	5.132E+12	5.392E+12	0
Gross National Product	(local.const. pr.)	3.696E+12.3.780E+12.3.678E+12.3.81E+12.4.072E+12.4.216E+124.343E+12.4.488E+12.4.694E+12.4.826E+12.4.872E+12	3.780E+12 3	.678E+12	3.81E+12 -	1.072E+12	4.216E+12	4.343E+12	1.488E+12	1.694E+12	4.826E+12	4.872E+12	0
GDP at market prices ((local.const. pr.)	3,629E+12	3,629E+12 3,713E+12 3,615E+12 3,749E+12 4,016E+12 4,167E+124,301E+124,453E+124,655E+124,785E+124,829E+12	.615E+12 3	.749E+12	1.016E+12	4.167E+12	4.301E+12	1.453E+12 -	1.655E+12	4.785E+12	4.829E+12	C
GDP at factor cost (le	(local.const.pr.)	3,357E+12	3,357E+12 3,419E+12 3,333E+12 3,457E+12	.333E+12 3	,,457E+12	3.7E+12	3.839E+12	3.7E+12 3.839E+123.968E+12 4.116E+12 4.309E+12 4.425E+12 4.46E+12	4.116E+12 ·	t,309E+12 -	4,4258+12	4.46E+12	0
GDP Deflator (1	(1987=100,Index)	74.014786	74,014786 80,986008 86,265732 89,331528 92,583755 95,084244 97,091095	36.265732	89.331528	92.583755	95,084244	97.091095	100	100 103.31183 107.26228 111.66844	107.26228	111.66844	: :
Conversion Factor (Aun.	(Aun. av., local per US\$)			-	-	-	_	=		_	-		9

Figure 2.6-3j Report of Economy Data(j)



