

PETROBRAS ENERGIA PARTICIPACIONES SA

Form 20-F

June 30, 2004

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**UNITED STATES  
SECURITIES AND EXCHANGE COMMISSION  
Washington, D.C. 20549**

**FORM 20-F**

ANNUAL REPORT PURSUANT TO SECTION 13  
OF THE SECURITIES EXCHANGE ACT OF 1934

**For the fiscal year ended: December 31, 2003**

**Commission file number 333-11130**

**PETROBRAS ENERGÍA PARTICIPACIONES S.A.**

(Exact name of Registrant as specified in its charter)

**N/A**  
(Translation of Registrant's name into English)

**REPUBLIC OF ARGENTINA**  
(Jurisdiction of incorporation of organization)

**Maipú 1, 22nd Floor  
(C1084ABA) Buenos Aires  
Argentina**  
(Address of principal executive offices)

**Securities registered or to be registered pursuant to Section 12(b) of the Act:**

<b>Title of each Class</b>	<b>Name of Each Exchange On Which Registered</b>
American Depositary Shares, each representing 10 Class B shares	New York Stock Exchange

**Securities registered or to be registered pursuant to Section 12(g) of the Act:**

None

**Securities for which there is a reporting obligation pursuant to Section 15(d) of the Act:**

None

**The number of outstanding shares of each of the issuer's classes of capital or common stock as of December 31, 2003 was:**

Class B Ordinary Shares, par value Ps.1.00 per share	2,132,043,387
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**Indicate by check mark whether the registrant (1) has filed all reports required to be filed by Section 13 or 15(d) of the Securities Exchange Act of 1934 during the preceding 12 months (or for such shorter period that the Registrant was required to file such reports) and (2) has been subject to such filing requirements for the**

past 90 days:

Yes  No

Indicate by check mark which financial statement item the Registrant has elected to follow:

Item 17  Item 18

The following disclosure item is omitted from Item 18 in this annual report: the financial statements for Compañía de Inversiones de Energía S.A., a company of which we held 50% of the share capital as of December 31, 2003 and over which we exercised joint control.

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**INTRODUCTION**

All references in this annual report to:

Petrobras Energía Participaciones, we, us, our, and similar terms refer to Petrobras Energía Participaciones S.A. and its subsidiaries, but excludes affiliates and companies under joint control. Prior to July 2003, our corporate name was Perez Companc S.A.

Petrobras Energía refers to Petrobras Energía S.A., a 98.21% owned subsidiary of Petrobras Energía Participaciones together with its controlled subsidiaries, but excludes affiliates and companies under joint control. Prior to July 2003, the corporate name of Petrobras Energía was Pecom Energía S.A.

Argentine pesos , pesos or P\$ refer to the currency of the Republic of Argentina.

U.S. dollars or U.S.\$ refer to the currency of the United States of America.

**FORWARD-LOOKING STATEMENTS**

Some of the information included in this annual report contains information that is forward looking, including statements regarding, among other items, future earnings and operating results, capital expenditures, competition and sales, oil and gas reserves and prospects and trends in the oil and gas, refining and petrochemicals and electricity industries.

Certain statements contained in this annual report are forward-looking statements and are not based on historical fact, such as statements containing the words believe, may, will, estimate, continue, anticipate, intend, expect, similar words. These forward-looking statements are subject to risks, uncertainties and assumptions, including those discussed in Item 4. Information About Us, Item 5. Operating and Financial Review and Prospects and elsewhere in this annual report. Factors that could cause actual results to differ materially and adversely include, but are not limited to:

changes in general economic, business, political or other conditions in Argentina or changes in general economic or business conditions in Latin America;

the availability of financing at reasonable terms to Argentine companies, such as us;

changes in the price of hydrocarbons;

changes to our capital expenditure plans;

changes in laws or regulations affecting our operations;

increased costs; and

other factors discussed under Risk Factors in Item 3 of this annual report.

We believe that our estimates are reasonable, but you should not unduly rely on these estimates, which are based on our current expectations. We undertake no obligation to update any forward-looking statement or statements to reflect events or circumstances after the date on which the statement is made or to reflect the occurrence of unanticipated events. New factors emerge from time to time, and it is not possible for us to predict all of these factors.

Further, we cannot assess the impact of each factor on our business or the extent to which any factor, or combination of factors, may cause actual results to be materially different from those contained in any forward-looking statements.

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**Item 1. IDENTITY OF DIRECTORS, SENIOR MANAGEMENT AND ADVISERS**

*Not applicable.*

**Item 2. OFFER STATISTICS AND EXPECTED TIMETABLE**

*Not applicable.*

**Item 3. KEY INFORMATION**

**SELECTED FINANCIAL DATA**

The financial information set forth below may not contain all of the financial information that you should consider when making an investment decision. This information should be read in conjunction with, and is qualified in its entirety by reference to, the Risk Factors included in this annual report. See Risk Factors. You should also carefully read our financial statements and Item 5. Operating and Financial Review and Prospects included in this annual report for additional financial information about us.

Our financial statements are prepared in accordance with Argentine GAAP which differs in certain significant respects from U.S. GAAP. Note 22 to our financial statements provides a description of the principal differences between Argentine GAAP and U.S. GAAP as they relate to us, and note 23 provides a reconciliation to U.S. GAAP of net income, shareholders equity and certain other selected financial data. Neither the effects of inflation accounting nor the proportional consolidation of Distrilec Inversora S.A., a company under joint control which we refer to as Distrilec, under Argentine GAAP have been reversed in the reconciliation to U.S. GAAP. The proportional consolidation of Compañía de Inversiones de Energía S.A., another company under joint control which we refer to as CIESA, in 2001 and 2003 under Argentine GAAP has been reversed in the reconciliation to U.S. GAAP.

We are a holding company whose only asset is our 98.21% equity interest in Petrobras Energía. We were organized as a result of a spinoff of Petrobras Energía shares by Sudacia S.A., effective July 1, 1998. We acquired control of Petrobras Energía on January 25, 2000 as a result of the completion of an exchange offer of our Class B shares for 69.29% of Petrobras Energía's outstanding common stock. Prior to January 25, 2000, our only asset was a minority interest in Petrobras Energía.

Our financial data relating to the fiscal years ended December 31, 2003, 2002 and 2001 set forth below have been derived from our financial statements included in this annual report. Our financial statements as of and for the years ended December 31, 2002 and December 31, 2001 have been restated to reflect changes in generally accepted accounting principles in Argentina, which we refer to as Argentine GAAP. See Item 5. Operating and Financial Review and Prospects Critical Accounting Policies. Our balance sheet as of December 31, 2003 and 2002 and the related consolidated statements of income, changes in shareholders equity and cash flows for each of the three fiscal years ended December 31, 2003, 2002, 2001 included in this annual report have been audited by Pistrelli, Henry Martin y Asociados S.R.L., a member firm of Ernst & Young Global. Selected financial data for the fiscal years ended December 31, 2000 and 1999 has not been restated to reflect the changes in Argentine GAAP, and accordingly are not comparable to the financial data for the fiscal years ended December 31, 2003, 2002 and 2001. Argentine law does not require that we restate these financial statements and any such restatement cannot be prepared without unreasonable effort or expense.

Due to the inflationary environment in Argentina in 2002, and the conditions created by the Public Emergency Law, the Professional Council of Economic Sciences of the City of Buenos Aires, or CPCECABA, approved on March 6, 2002 Resolution MD No. 3/02 applicable to financial statements for fiscal years or interim periods ending on or after March 31, 2002. Resolution MD No. 3/02 required the reinstatement of the adjustment-for-inflation method of accounting in financial statements, which provides that all recorded amounts arising between August 31, 1995 and December 31, 2001 be stated in constant currency as of December 31, 2001.

On July 16, 2002, the Argentine government issued Decree No. 1,269/02, instructing the National Securities Commission (*Comisión Nacional de Valores*), which we refer to as CNV, and other regulatory authorities



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to issue the necessary regulations for the delivery to such authorities of balance sheets or financial statements prepared in constant currency. On July 25, 2002, under Resolution No. 415/02, the CNV reinstated the requirement to submit financial statements in constant currency. As the inflation rate stabilized, on March 25, 2003, Decree No. 664/03 rescinded the requirement that financial statements be prepared in constant currency. On April 8, 2003, the CNV issued Resolution No. 441/03 discontinuing inflation accounting as of March 1, 2003.

In accordance with the above, for comparative purposes, our financial statements for the fiscal years ended December 31, 2001 and 2002, were restated in constant pesos as of February 28, 2003, based on changes in the Argentine wholesale price index published by the National Institute of Statistics and Census (*Instituto Nacional de Estadísticas y Censas*), which we refer to as the INDEC. This price index does not reflect any specific variation in the price of products and services sold by us, and, therefore, variations in gains (losses) for both periods include positive or negative price variations that may be higher or lower than the price variations for the products or services sold by us. The selected financial data for the fiscal years ended December 31, 2000 and 1999 has also been restated in constant pesos as of February 28, 2003.

In accordance with the procedure set forth in Technical Resolutions Nos. 4 and 19 of the Argentine Federation of Professional Councils in Economic Science, or FACPCE, we have consolidated line by line on a proportional basis our financial statements with the companies in which we exercise joint control. See Item 5. Operating and Financial Review and Prospects Overview. In the consolidation of companies over which we exercise joint control, the amount of the investment in the subsidiaries under joint control and the interest in their income (loss) and cash flows are replaced by our proportional interest in the subsidiary's assets, liabilities and income (loss) and cash flows.

Petrobras Energía Participaciones's net income per share under Argentine and U.S. GAAP was calculated as follows:

diluted net income per share was calculated by dividing net income by the average number of shares outstanding during each year (assuming all Class A shares are converted into Class B Shares);

for 2003 and 2002, net income per share was calculated by dividing net income by the average number of shares outstanding during each year. As of October 2002, all outstanding Class A shares were converted into Class B shares;

for 2001 and 2000, basic net income per Class A share was calculated by dividing net income by the sum of (1) the average number of Class A shares outstanding during 2001 and 2000, respectively, and (2) the average number of Class B shares outstanding during 2001 and 2000, respectively, multiplied by 1.5; and

for 2001 and 2000, basic net income per Class B share has been calculated by multiplying (A) the quotient attained by dividing net income by the sum of (1) the average number of Class A shares outstanding during 2001 and 2000, respectively, and (2) the average number of Class B shares outstanding during 2001 and 2000, respectively, multiplied by 1.5(B) by 1.5.

Our basic net income per share for the fiscal years 2001 and 2000 was calculated in the manner described above because Class B shares were entitled to dividends equal to 150% of dividends that were paid with respect to Class A shares.

**Table of Contents****Income Statement Data**

Year Ended December 31,

	2003	2002 <sup>(1)</sup>	2001 <sup>(1)</sup>	2000 <sup>(1) (2)</sup>	1999 <sup>(1) (2)</sup>
<b>(in millions of pesos, except for per share amounts, share capital and operating information or as otherwise indicated)</b>					
<b>Income Statement Data</b>					
<b>Argentine GAAP:</b>					
Net sales	5,494	5,106	5,170	3,185	
Cost of sales	(3,386)	(3,284)	(3,347)	(2,161)	
Gross profit	2,108	1,822	1,823	1,024	
Administrative and selling expenses	(559)	(609)	(665)	(385)	
Exploration expenses	(196)	(58)	(41)	(13)	
Other exploitation (expense) income, net	(121)	(28)	23	22	
Exploitation income	1,232	1,127	1,140	648	
Equity in earnings of affiliates	163	(638)	119	189	143
Financial income (expense) and holding gains (losses)	(417)	(1,827)	(573)	(325)	
Other (expense) income, net	(421)	(187)	(88)	132	
Income (loss) before income tax and minority interest in subsidiaries	557	(1,525)	598	644	143
Income tax provision	(18)	(82)	(385)	(41)	
Minority interest in subsidiaries	(158)	28	(112)	(15)	
Net income (loss)	381	(1,579)	101	588	143
Basic net (loss) income per share:					
Class A <sup>(3)</sup>			0.035	0.215	0.323
Class B	0.179	(0.744)	0.053	0.322	
Diluted net (loss) income per share	0.179	(0.744)	0.047	0.288	
Number of shares outstanding (millions):					
Class A <sup>(3)</sup>			628	628	628
Class B	2,132	2,132	1,504	1,504	
<b>U.S. GAAP:</b>					
Net sales	5,078	5,182	4,630	3,343	
Operating income	622	830	853	864	
	109	(1,868)	(2,254)	286	242

Income (loss) from continuing operations <sup>(5)</sup>					
Income (loss) from discontinued operations	(39)	135	12	38	0.547
Cumulative effect of changes in accounting principles	30	179			
Net income (loss) <sup>(4)</sup>	100	(1,554)	(2,266)	324	242
Basic net (loss) income per share					
Class A: <sup>(3)</sup>			(0.786)	0.119	0.547
Class B:	0.047	(0.729)	(1.179)	0.178	
Diluted net (loss) income per share	0.047	(0.729)	(1.063)	0.157	
Basic net (loss) income per share:					
Class A: <sup>(3)</sup>					
Continuing Operations			(0.782)	0.105	0.323
Discontinued Operations			(0.004)	0.014	
Class B:					
Continuing Operations	0.051	(0.876)	(1.172)	0.157	
Discontinued Operations	(0.018)	0.063	(0.006)	0.021	
Cumulative effect of changes in accounting principles	0.014	0.084			

(1) Expressed in constant pesos as of February 28, 2003, except share capital and operating information.

(2) Selected financial data for the fiscal years ended December 31, 2000 and 1999 has not been restated to reflect recent changes in Argentine GAAP, and accordingly are not comparable to the financial data for the fiscal years ended December 31, 2003, 2002 and 2001. See Item 5. Operating and Financial Review and Prospects Critical Accounting Policies.

(3) As of October 2002, there are no Class A shares outstanding.

(4) As of January 1, 2002, we have applied SFAS No. 142, Goodwill and Other Intangible Assets, effective as of January 1, 2002, and SFAS No. 143, Accounting for Asset Retirement Obligations, effective as of January 1, 2003. If the new standards had been effective and applied before January 1, 2001, net income (loss) for the years ended December 31, 2003, 2002 and 2001, would have been 70; (1,723) and (2,265), respectively.

(5) After minority interest in subsidiaries and income tax (expense) benefit.

**Table of Contents****Balance Sheet Data****Year Ended December 31,**

	<b>2003</b>	<b>2002<sup>(1)</sup></b>	<b>2001<sup>(1)</sup></b>	<b>2000<sup>(1) (2)</sup></b>	<b>1999<sup>(1) (2)</sup></b>
<b>(in millions of pesos, except for per share amounts, share capital and operating information or as otherwise indicated)</b>					
<b>Argentine GAAP</b>					
<b>Consolidated Balance Sheet</b>					
<b>Assets</b>					
<b>Current Assets</b>					
Cash	153	93	98	59	
Investments	802	664	1,254	543	
Trade receivables	886	784	1,108	908	
Other receivables	861	734	397	470	
Inventories	319	356	346	374	
Other assets	3	178			
	<hr/>	<hr/>	<hr/>	<hr/>	<hr/>
Total current assets	3,024	2,809	3,203	2,354	
<b>Non-current Assets</b>					
Trade receivables	36	21	21	7	
Other receivables	131	220	370	162	
Inventories	61	39	240	205	
Investments	1,284	1,103	1,341	2,750	1,627
Property, plant and equipment	11,559	10,433	11,633	6,572	
Other assets	43	24	63	11	
	<hr/>	<hr/>	<hr/>	<hr/>	<hr/>
Total non-current assets	13,114	11,840	13,668	9,707	1,627
	<hr/>	<hr/>	<hr/>	<hr/>	<hr/>
Total assets	16,138	14,649	16,871	12,061	1,627
	<hr/>	<hr/>	<hr/>	<hr/>	<hr/>
<b>Liabilities</b>					
<b>Current liabilities</b>					
Accounts payable	860	651	852	547	
Short-term debt	3,204	1,543	3,501	1,625	
Payroll and social security taxes	93	76	99	75	
Taxes payable	172	133	145	138	
Other current liabilities	423	372	563	97	
	<hr/>	<hr/>	<hr/>	<hr/>	<hr/>
Total current liabilities	4,752	2,775	5,160	2,482	

**Non-current liabilities**

Accounts payable	7	9	4	20	
Long-term debt	5,098	6,130	4,114	3,100	
Other liabilities	279	641	368	303	
Reserves	277	86	61	55	
	<u>          </u>	<u>          </u>	<u>          </u>	<u>          </u>	<u>          </u>
Total non-current liabilities.	5,661	6,866	4,547	3,478	
	<u>          </u>	<u>          </u>	<u>          </u>	<u>          </u>	<u>          </u>
Total liabilities	10,413	9,641	9,707	5,960	
	<u>          </u>	<u>          </u>	<u>          </u>	<u>          </u>	<u>          </u>

**Transitory Differences**

Measurement of derivative financial instruments designated as effective hedge	(18)				
Foreign currency translation	(56)				
Total transitory differences	(74)				
<b>Minority interest in subsidiaries</b>	966	556	1,133	149	
<b>Total Shareholders Equity</b>	4,833	4,452	6,031	5,953	1,627
Total liabilities and shareholders equity	16,138	14,649	16,871	12,062	1,627
	<u>          </u>	<u>          </u>	<u>          </u>	<u>          </u>	<u>          </u>
Capital Stock	2,132	2,132	2,132	2,132	628
	<u>          </u>	<u>          </u>	<u>          </u>	<u>          </u>	<u>          </u>
<b>Dividends<sup>(3)</sup></b>					
per Class A share				0.0208	0.0238
per Class B share				0.0317	
<b>U.S. GAAP</b>					
Total assets	14,508	16,108	20,264	15,794	
Shareholders equity	4,523	4,499	6,403	8,406	1,508

- (1) Expressed in constant pesos as of February 28, 2003, except share capital and operating information.
- (2) Selected financial data for the fiscal years ended December 31, 2000 and 1999 has not been restated to reflect recent changes in Argentine GAAP, and accordingly are not comparable to the financial data for the fiscal years ended December 31, 2003, 2002 and 2001. See Item 5. Operating and Financial Review and Prospects Factors Affecting our Consolidated Results of Operations Critical Accounting Policies Change in Accounting Standards.
- (3) Dividends declared in 2000 and 1999 as expressed in U.S. dollars would equal amounts in historical pesos since the exchange rate between the peso and the U.S. dollar was fixed at a one-to-one ratio during those years in accordance with the Convertibility Law.

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Prior to December 1989, the Argentine foreign exchange market was subject to exchange controls. Between April 1, 1991, when Law No. 23,928 and Decree No. 529/91 (together referred to as the Convertibility Law) became effective, and January 5, 2002, the peso was freely convertible into U.S. dollars at a fixed one-to-one exchange rate. Pursuant to the Convertibility Law, the Central Bank of Argentina, which we refer to as the Central Bank, had to (i) maintain a reserve in foreign currencies, gold and certain public bonds denominated in foreign currency equal to the amount of outstanding Argentine currency and (ii) sell U.S. dollars to any requesting person at a fixed U.S.\$1.00 to P\$1.00 exchange rate. In addition, on January 12, 1995, the Central Bank issued Communication A 2298 which provided that all exchange transactions made with the Central Bank also had to be made at a fixed U.S.\$1.00 to P\$1.00 exchange rate.

On January 6, 2002, the Argentine Congress passed the Public Emergency and Foreign Exchange System Reform Law No. 25,561, which superseded certain provisions of the Convertibility Law, including the fixed one-to-one exchange rate. This law granted the federal executive branch the power to set the exchange rate between the peso and foreign currencies and to issue regulations related to the foreign exchange market. On January 6, 2002, the executive branch established a temporary dual exchange rate system. As of February 11, 2002, a single and free exchange market has been established for all exchange transactions. Within this new exchange regime and for the purpose of supporting the peso exchange rate, the Central Bank has intervened several times in the exchange market by selling U.S. dollars.

In light of a growing demand for U.S. dollars during the six months ended June 30, 2002 and the shortage of U.S. dollars available to satisfy this demand, the Argentine government adopted a series of measures to mitigate the demand for U.S. dollars and increase its U.S. dollar reserve base. As a result, (i) the export sector has had to exchange on a daily basis its non-Argentine currency into Argentine pesos through the Central Bank, (ii) new restrictions on the transfer of funds abroad were implemented, (iii) the purchase of foreign exchange was limited and (iv) requirements relating to the purchase of foreign currency from banks and exchange agencies became more stringent. Under these guidelines, the demand from private parties for U.S. dollars significantly declined and the Central Bank gradually started to accumulate U.S. dollar reserves.

In 2003, the balance of trade yielded a strong surplus, which, together with the continuing default in partial foreign debt payments by the government, caused an excess supply of foreign currency. As a result, the peso appreciated significantly against the U.S. dollar during 2003, notwithstanding the Central Bank's efforts to curtail these effects on the exchange rate through numerous currency purchases.

The following table sets forth, for the periods indicated, the high, low, average and period end exchange rates for the purchase of U.S. dollars, expressed in nominal pesos per U.S. dollar. The Federal Reserve Bank of New York does not report a noon buying rate for pesos.

	<b>Exchange Rate</b>			<b>Period End</b>
	<b>High</b>	<b>Low</b>	<b>Average<sup>(1)</sup></b>	
	<b>(in pesos)</b>			
<b>Year Ended December 31,</b>				
1999	1.00	1.00	1.00	1.00
2000	1.00	1.00	1.00	1.00

2001	1.00	1.00	1.00	1.00
2002	3.90	1.60	3.14	3.38
2003	3.37	2.73	2.95	2.94
<b>Three months ended March 31, 2004</b>	2.96	2.85	2.90	2.86
<b>Latest Six Months</b>				
December, 2003 <sup>(2)</sup>	2.99	2.94	2.96	2.94
January, 2004 <sup>(2)</sup>	2.93	2.85	2.89	2.89
February, 2004 <sup>(2)</sup>	2.96	2.92	2.93	2.92
March, 2004 <sup>(2)</sup>	2.93	2.86	2.90	2.86
April, 2004 <sup>(2)</sup>	2.87	2.80	2.83	2.86
May, 2004 <sup>(2)</sup>	2.97	2.84	2.92	2.97

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(1) Based on monthly average exchange rates.

(2) Source: Banco de la Nación Argentina.

On June 11, 2004, the exchange rate for the purchase of U.S. dollars published by Banco de la Nación Argentina was P\$2.97 per U.S. dollar.

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**RISK FACTORS**

**Factors Relating to Argentina**

*Overview*

We are an Argentine corporation. As of December 31, 2003, approximately 64% of our total assets, 69% of our net sales, 58% of our combined crude oil and gas production and 40% of our proved oil and gas reserves were located in Argentina. Fluctuations in the Argentine economy and government actions adopted by the Argentine government have had and will continue to have a significant effect on Argentine private sector entities, including us. Specifically, we have been affected and might be affected by inflation, interest rates, the value of the peso against foreign currencies, price controls, regulatory policies, business regulations, tax regulations and in general by the political, social and economic scenario in and affecting Argentina.

*The Argentine economy has experienced significant volatility.*

The Argentine economy has experienced significant volatility in recent decades, characterized by periods of low or negative growth and high and variable levels of inflation and currency devaluation. In 1988, 1989 and 1990, the annual inflation rates were approximately 388%, 4,924% and 1,344%, respectively, based on the Argentine consumer price index and approximately 422%, 5,386% and 798%, respectively, based on the Argentine wholesale price index. As a result of inflationary pressures, the Argentine currency was devalued repeatedly during the 1960s, 1970s and 1980s, and macroeconomic instability led to broad fluctuations in the real exchange rate of the Argentine currency relative to the U.S. dollar. To address these pressures, the Argentine government during this period implemented various plans and utilized a number of exchange rate systems and controls.

In April 1991, the Argentine government launched a plan aimed at controlling inflation and restructuring the economy, enacting the Convertibility Law. The Convertibility Law fixed the exchange rate at one peso per U.S. dollar and required that the Central Bank maintain reserves in gold and foreign currency at least equivalent to the monetary base. Following the enactment of the Convertibility Law, inflation declined steadily and the economy experienced growth through most of the period from 1991 to 1997. In the fourth quarter of 1998, however, the Argentine economy entered into a recession that caused the gross domestic product to decrease by 3.4% in 1999, 0.8% in 2000, 4.4% in 2001 and 10.9% in 2002. As discussed below, in 2003, the Argentine economy began to recover with GDP growing 8.7%.

*Argentina experienced a severe recession and significant political and social instability during 2001 and 2002, and economic turmoil and recession may occur again in the future.*

Beginning in the second half of 2001, Argentina's recession worsened significantly. As the public sector's creditworthiness deteriorated, interest rates reached record highs, bringing the economy to a virtual standstill. The lack of confidence in the country's economic future and its ability to sustain the peso's parity with the U.S. dollar led to a massive withdrawal of deposits from banks and capital outflows.

To prevent further capital outflows, on December 1, 2001, the Argentine government implemented a number of monetary and exchange control measures that mainly included restrictions on the free disposition of funds deposited with banks and the practical impossibility of making transfers of foreign currency abroad, with the exception of certain transactions subject, in some cases, to the previous authorization of the Central Bank. Foreign currency resulting from export sales was required to be deposited with Argentine Banks, to the extent no prior exemption mechanisms were in place.



The measures were perceived as further paralyzing the economy for the benefit of the financial system, and caused a sharp rise in social discontent, ultimately triggering public protests, outbreaks of violence and the looting of stores throughout Argentina. On December 20, 2001, after declaring a state of emergency and suspending civil liberties, President Fernando de la Rúa tendered his resignation to Congress. After a series of interim presidents, on January 1, 2002, Eduardo Duhalde was appointed by Congress at a joint session to complete the remaining term of former President de la Rúa.

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The new President, among other measures, ratified the suspension of payment of a portion of Argentina's sovereign debt declared by Interim President Rodríguez Saá.

On January 6, 2002, the Argentine Congress enacted the Public Emergency Law, which introduced dramatic changes to Argentina's economic model and put an end to the U.S. dollar-peso parity established since the enactment of the Convertibility Law in 1991, leading to a significant devaluation of the Argentine peso.

The Public Emergency Law also empowered the federal executive branch of Argentina to implement, among other things, additional monetary, financial and exchange measures to overcome the economic crisis in the short term, such as determining the rate at which the peso was to be exchanged into foreign currencies.

The federal executive branch implemented a number of far-reaching initiatives, which included:

pesification of certain assets and liabilities denominated in foreign currency and held in the country;

rescheduling of bank deposits, with the subsequent ability for owners of such deposits to receive certain dollar-denominated government bonds maturing in ten years or peso-denominated government bonds maturing in three or five years or bills with specific terms in lieu of payment of such deposits;

amendment of the charter of the Central Bank authorizing it to issue money in excess of the foreign currency reserves, to grant short-term loans to the federal government and to provide financial assistance to financial institutions with liquidity or solvency problems;

issuance by the federal government of bonds to compensate banks for losses resulting from the different pesification rates applicable to deposits and U.S. dollar obligations assumed in Argentina;

pesification of all private agreements entered into as of January 6, 2002 at the P\$1=U.S.\$1 exchange rate and subsequent adjustment thereof by the Benchmark Stabilization Coefficient, published by the Central Bank;

pesification and elimination of indexing clauses on utility rates, fixing those rates in pesos at the P\$1=U.S.\$1 exchange rate; and

implementation of taxes on hydrocarbon exports and certain oil by-products, among others.

Commercial and financial activities were virtually paralyzed in 2002, further aggravating the economic recession, which included a 10.9% decline in GDP in 2002.

The crisis and the government's reactions to the crisis severely weakened the Argentine banking system. A few small banks went into liquidation, and credit became scarce for the public and private sectors.

Towards the end of 2002, the Argentine government implemented different measures aimed at unblocking the economy and abrogating certain restrictions to gradually normalize the foreign exchange market and the commercial and financial flow of foreign currency.

On April 27, 2003, presidential elections took place. Since none of the presidential candidates captured either 45% of the votes or a 10% margin of victory, the former-President Carlos Menem and Néstor Kirchner, the two candidates with the most votes in the first round, entered a run-off election that was scheduled to have taken place on May 18, 2003. However, Carlos Menem dropped out of the Argentine presidential election, and, thus, Nestor Kirchner automatically became the country's newly elected president. On May 25, 2003, Mr. Kirchner took office as Argentina's president.

In September 2003, Argentina and the International Monetary Fund, or IMF, reached a three-year stand-by credit agreement, which set specific fiscal targets for 2004. This new agreement guaranteed the refinancing of all principal maturities of credit facilities granted by multilateral agencies.

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In 2003, the Argentine economy began to recover with GDP growing 8.7%. This recovery, at first based almost exclusively on import substitution, broadened as the level of consumption and investment increased. Reflecting the economic recovery, Argentine stock exchange indices displayed great dynamism in 2003, and both labor indicators and salary purchasing power registered consistent improvements during this year. The balance of trade exhibited a strong surplus, favored by an increase in commodity prices, which, together with the continuity of the partial foreign debt payment default, caused an excess supply of foreign currency. The peso appreciated significantly against the U.S. dollar during 2003, even as the Central Bank made numerous currency purchases to attempt to maintain a high rate of exchange. Inflation was below 4% during 2003.

Although the social and economic situation has improved, important issues remain unresolved, such as renegotiating the external public debt and public utility contracts, restructuring the financial system and redesigning the federal fiscal regime. Argentine government actions concerning the economy, including with respect to inflation, interest rates, price controls, foreign exchange controls and taxes, have had, and may continue to have, a material adverse effect on private sector entities, including us. We cannot provide any assurance that future economic, social and political developments in Argentina, over which we have no control, will not further impair our business, financial condition, or results of operations or impair our ability to make payments of principal and/or interest on our outstanding indebtedness.

***Argentina's insolvency and default on its public debt could limit or impair Argentina's economic recovery.***

Because Argentina failed to meet fiscal targets, including those for the fourth quarter of 2001, on December 5, 2001, the IMF suspended further disbursements. This decision deepened the economic and financial crisis.

On December 23, 2001, interim President Rodríguez Saá declared the suspension of debt payments on approximately U.S.\$63 billion of Argentina's sovereign debt, which amounted to approximately U.S.\$144.5 billion as of December 31, 2001. On January 2, 2002, President Duhalde ratified this decision.

On September 22, 2003, the Argentine government presented bondholders with a proposal for restructuring the country's defaulted bonds at the IMF/World Bank annual meeting in Dubai, United Arab Emirates. Under the proposal, sovereign bonds issued before December 31, 2001 would be eligible for the proposed bond exchange, which we refer to as Eligible Debt, maintaining a strict equitable principle among all kinds and classes of creditors. The Eligible Debt would comprise approximately U.S.\$100 billion, issued under 152 different series of bonds, seven different currencies and eight different governing laws. Past due interest payments since the early 2002 default would not be paid, and principal would be reduced by 75%. The stated main objective of the government's proposal is to restore solvency through improvements in the Debt/GDP and Debt Service/Fiscal Revenues ratios, reaching a new debt profile that would be consistent with Argentina's payment capacity. The proposal was not well received by bondholders.

In March 2004, within the framework of a second review of the three-year agreement subscribed with the IMF, the government committed itself to taking decisive steps towards the restructuring of the public debt. In this regard, the federal executive branch issued a decree appointing the syndicate of banks that will assist the government in the restructuring.

On June 1, 2004, the Argentine government announced a new proposal to restructure the country's defaulted debt. This new proposal includes a plan to pay accrued interest on the defaulted bonds for the period commencing on the date the country defaulted on its sovereign debt until either December 31, 2003 or June 30, 2004 depending on the level of acceptance of the proposal, and an option for existing bondholders to exchange their bonds for one of three types of bonds, namely par, quasi-par and discount bonds, which have coupons pegged to the country's growth in GDP and with terms ranging from 20 to 32 years. This offer has not been launched, and we cannot predict whether bondholders will adhere to the offer, when and if launched. The government expects to complete the exchange process

before the end of the year.

The Argentine government's current insolvency, its inability to obtain financing and the uncertainties surrounding the restructuring process, which is described as one of the most complex in history and has led and may continue to lead to a growing number of lawsuits by creditors until a final agreement is reached, may affect significantly the government's ability to implement reforms and restore sustainable economic growth. This could further undermine the maintenance of the economic recovery experienced during 2003 and may result in recession,

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higher inflation, greater unemployment and social unrest. If this happens, our financial condition and results of operations would be adversely affected.

***The devaluation of the peso creates greater uncertainty as to Argentina's economic future.***

The peso has been subject to large devaluations in the past and may be subject to significant fluctuations in the future.

The Public Emergency Law put an end to ten years of U.S. dollar-peso parity and authorized the Argentine government to set the exchange rate between the peso and foreign currencies, and issue regulations related to foreign exchange markets. After devaluing the peso, the Argentine government initially established a dual exchange rate of P\$1.40 per U.S. dollar for certain transactions and a free-floating rate for all other transactions. This dual system was later eliminated in favor of a single free-floating exchange rate for all transactions.

Since the end of the U.S. dollar-peso parity, the peso has fluctuated significantly. As a result, the Central Bank has taken several measures to stabilize the exchange rate and preserve its reserves. See Exchange Rates.

The marked peso devaluation during 2002 adversely affected our results and financial position. All of our financial debt and a significant portion of our affiliates' debt are denominated in U.S. dollars. Before the enactment of the Public Emergency Law, our cash flow, usually denominated in U.S. dollars or dollar-adjusted, provided a natural hedge against exchange rate risks. The new Argentine regulatory framework, however, limited our ability to mitigate the impact of the peso devaluation. Pesification of utility rates, regulatory issues related to the renegotiation of pesified utility rates, new taxes on hydrocarbon exports and the implementation of regulations to prevent an increase in prices to final users in the domestic market had a significant impact in such respect.

As from the second half of 2002, domestic prices of the main commodities have significantly recovered in line with export prices. In addition, we aggressively pursued a trade policy of opening and consolidation of export markets to capitalize on domestic and export price asymmetries. In light of the above strategies and the strength of our foreign operations with a cash flow primarily denominated in U.S. dollars, our exposure to peso fluctuations has dropped, and we have substantially recovered our ability to naturally hedge our cash exposure to U.S. dollar liabilities.

We cannot assure you, however, that the Argentine government will not adopt new regulations or make regulatory changes that prevent or limit us from offsetting the risk derived from our exposure to the U.S. dollar.

***Inflation may escalate and undermine any hope for continued economic growth in Argentina.***

On January 24, 2002, the Argentine government amended the charter of the Central Bank to allow the Central Bank to print currency without having to maintain a fixed and direct relationship to foreign currency and gold reserves. This change allows the Central Bank to make short-term advances to the federal government to cover its anticipated budget deficits and to provide assistance to financial institutions with liquidity or solvency problems.

There is considerable concern that, if the Central Bank prints currency to finance public sector spending, to assist financial institutions in distress or to prevent a further appreciation of the peso, significant inflation could result. During 2002, the Argentine consumer price index increased 40.98%, and the wholesale price index increased 118.2%. During 2003, within a substantially different economic scenario, such indices increased only 3.7% and 2.0%, respectively.

In the past, inflation has materially undermined the Argentine economy and the government's ability to stimulate economic growth. The variability of inflation in Argentina makes it impossible to estimate how our activities and

results of operations will be affected in the future. Sustained inflation in Argentina, without a corresponding increase in the price of our products in the local market, would have a negative effect on our results of operations and financial position.

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***Exchange controls may further impair our ability to service our foreign currency-denominated debt obligations.***

After December 2001, the Argentine authorities implemented a number of monetary and currency exchange control measures that included restrictions on the withdrawal of funds deposited with banks and tight restrictions on foreign transfers, including restrictions relating to the servicing of foreign debt, with the exception of those related to foreign trade and other authorized transactions. Although these control measures have been relaxed and, during 2003, the Central Bank issued a number of regulations aimed at gradually normalizing the domestic exchange market, we cannot assure you as to how long these more flexible regulations will be in effect or whether they will become more restrictive again in the future.

Pursuant to Decree No. 1589/89 relating to the deregulation of the upstream oil industry, companies engaged in oil and gas production in Argentina are free to sell and dispose of the hydrocarbons they produce, and are entitled to maintain outside Argentina up to 70% of the foreign currency proceeds from crude oil and gas exports. These companies are required to repatriate the remaining 30% through the Argentine exchange markets. During 2002, controversies arose among producers and the authorities regarding the enforceability of the right to freely dispose of up to 70% of the proceeds from foreign currency export sales. These controversies were the subject of legal challenges, and many federal judges have pronounced on and recognized the prima facie validity of producers' rights. In December 2002, we filed with a federal court of the Province of Santa Cruz, a temporary injunction against the federal executive branch, requesting the maintenance of the status quo that allows us to freely dispose of up to 70% of our export proceeds. This right was prima facie admitted by the court. On December 31, 2002, Decree No. 2703/02, effective as of January 1, 2003, was enacted. This decree recognized the right of oil and gas producers to dispose of 70% of the proceeds from foreign currency export sales, but had no provisions related to such right during 2002. In order to avoid any uncertainty regarding the application of this right in 2002, in February 2003, we filed a civil action of certainty, requesting that the court recognize our right to freely dispose up to 70% of our export proceeds in 2002, based on the effectiveness of Decree No. 1589/89. This was admitted prima facie by the court.

If the Argentine government decides further to tighten its transfer restrictions by, among other things, eliminating Decree No. 1589/89 or otherwise, we may be unable to make principal or interest payments when they become due.

***Limits on exports of hydrocarbons could lower our anticipated dollar-denominated cash receipts.***

On May 23, 2002, the Argentine government enacted Decree No. 867/02 declaring a state of emergency in the supply of hydrocarbons in Argentina until September 30, 2002 and empowering the Secretary of Energy to determine the volume of crude oil and liquefied petroleum gas, which we refer to as LPG, produced in Argentina that should be sold in the local market. In addition, by Resolution No. 140/02, temporary limits were established for hydrocarbon exports during the months of June, July, August and September of 2002. Resolution No. 140/02 was repealed on July 26, 2002 by Resolution No. 341/02.

Argentina is suffering an energy crisis. In light of this situation, the Secretary of Energy issued Resolution No. 265/2004 on March 26, 2004, pursuant to which limits on natural gas exports may be imposed and, in fact, some limits have already been imposed. This resolution instructs the Undersecretary of Fuels to create a program for the rationing of gas exports and for the regulation of the use of transportation capacity. In compliance with this instruction, the Undersecretary of Fuels issued Disposition No. 27/04 implementing this program. Both regulations were issued as temporary measures in order to avoid a crisis in the local supply of natural gas and, consequently, in the supply of electricity to the wholesale electricity market. We do not believe that these measures will have a material adverse effect on our results or financial condition, but we cannot assure you that this will be the case.

Additionally, in April of 2004, in order to facilitate the recovery of gas prices, the Secretary of Energy entered into an agreement with natural gas producers requiring them to sell a specified amount of gas in the local regulated market



for prices determined in accordance with a roadmap that culminates with the expected complete deregulation of wellhead prices for natural gas by January of 2007. See Item 4. Information About Us Regulation of Our Businesses The Argentine Gas Industry and Regulatory Framework Adjustment of the Price of National Gas in Wellhead.

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We cannot assure you that the Argentine government will not impose additional export restrictions on hydrocarbons. If it were to do so, we would receive lower dollar-denominated cash receipts, which might limit our ability to service our U.S. dollar-denominated debt.

***Export taxes on our products have negatively affected, and may continue to negatively affect, the profitability of our operations.***

Effective as of March 2002, the Argentine government adopted a 20% export tax on crude oil exports and a 5% tax on exports of certain oil by products. Diesel oil's effective export tax from June until July 31, 2002 was 20%. In May 2004, the Argentine government increased to 25% the export tax on crude oil exports, increased the export tax on LPG oil exports to 20% and imposed a 20% tax on all gas exports.

We cannot assure you that the Argentine government will reduce the current export tax rates or will not increase them further. We do not know the government's future intentions in regard to export taxes.

***Price controls have affected, and may continue to affect, our results of operations and capital expenditures.***

For the purposes of reducing inflationary pressures generated by the sharp Argentine peso devaluation, the Argentine government issued a set of regulations aimed at controlling the increase in prices to end users. These regulations were particularly focused on the energy sector.

Under the Public Emergency Law, our ability to increase the price of energy and gas sold in the domestic market is limited, especially in connection with sales agreements entered into with utility companies and energy sales in the spot market. This limitation, within the context of the peso devaluation and subsequent inflation, resulted in a substantial change in the economic and financial balance of our energy and gas related businesses, significantly affecting our operating results and prospects. As a result, gas investments, especially at the Neuquén basin, were postponed.

With respect to crude oil prices, in January 2003, at the federal executive branch's request, hydrocarbon producers and refineries executed a temporary agreement in connection with crude oil, gasoline and diesel oil price stability in the domestic market. After successive renewals, the term of this agreement was extended until May 2004. This agreement provided for crude oil deliveries to be invoiced and paid based on the West Texas Intermediate Crude reference price, or WTI, of U.S.\$28.5 per barrel instead of the actual relevant WTI. Any positive or negative difference between the actual relevant WTI, not exceeding U.S.\$36 per barrel, and the reference price would be paid out of any balance generated in periods where the actual WTI is below U.S.\$28.5 per barrel. Refineries, in turn, would reflect the crude oil reference price in domestic market prices. In February 2004, a new agreement corresponding to the period beginning on March 1, 2004 and ending on April 30, 2004 was reached between producers and refineries, but the Secretary of Energy has not yet approved this agreement because it contains a difference concerning the interest rate to be used to calculate the debt between producers and refiners. If the situation continues in the future, producers shall be forced to reinvoice refiners in order to adjust prices. Notwithstanding this situation, beginning in May 2004, hydrocarbon producers and refineries have informally agreed that while the WTI per barrel ranges between U.S.\$32 and U.S.\$42, crude oil deliveries will be invoiced and paid based on a reference price equal to (i) 86% of the WTI as long as this price does not exceed U.S.\$ 36 per barrel, or (ii) 80% of the WTI, in cases where this price exceeds U.S.\$36 per barrel.

With respect to electricity generation, the Argentine government implemented the pesification of dollar-denominated prices in the wholesale electricity market, and through Resolution No. 08/02 of the Secretary of Energy, set a price cap for the energy sold in the spot market of P\$120/MWh. This is the maximum price for an efficient generation company, regardless of the actual marginal cost of electricity generation. Resolution No. 240/03 effective since August 15, 2003, established that the cost of liquid fuels in thermal power plants and water in

hydroelectric plants was excluded from the determination of electricity prices. This resolution was temporarily suspended on October 9, 2003, and then put into effect again by the Secretary of Energy on January 30, 2004. These measures represent deviations from the marginal cost system implemented in 1992 and from the provisions in Electricity Law No. 24,065, which allow for an adequate return on investment in a competitive environment based on a marginal price system. Thermal power generating companies, however, may cover variable operating costs through certain mechanisms. See Item 4. Information About Us Regulation of Our Businesses The Argentine Electricity Industry and Regulatory Framework Dispatch.

In addition, due to the government's decision to suspend the seasonal increases in electricity prices, electricity prices have not reflected production costs. As a result, the Stabilization Fund (*Fondo de Estabilización*) was exhausted and Compañía Administradora del Mercado Eléctrico S.A., or CAMMESA, which we refer to as the

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Wholesale Market Manager, could not settle accounts with market agents. As a palliative measure, in December 2003 the Argentine government made a P\$150 million contribution to the Stabilization Fund under Decree No. 1181/03 and on March 2004, under Decree No. 365/04, made a further contribution of P\$200 million. In February 2004, in an effort to restore the Stabilization Fund, the government reinstated the seasonal adjustment in electricity prices for the February-April 2004 period, but on May 2004, the government suspended seasonal adjustments again. As of May 2004, the Stabilization Fund has a deficit of P\$650 million.

In light of the uncertainties prevailing in Argentina, we have made progress in renegotiating the terms and conditions of gas and electricity sale agreements entered into with industrial clients in order to adjust prices to reflect the new economic conditions. In this regard, we have reached commercial agreements that gradually increase sale prices to reflect the effects of the peso devaluation. We, as well as others, have attempted to maximize export opportunities in an effort to capitalize on variations between domestic and export prices, by effectively encouraging the opening and consolidation of new markets. During 2003, we started to export gas to Chile from the Austral basin.

The Argentine government is expected to gradually restore the economic and financial balance in the natural gas and electricity sectors, in compliance with the respective regulatory frameworks. However, our results and capital expenditure plans may be negatively affected if the Argentine government continues issuing additional decrees or exerting political pressure to curb price increases or control exports or if it applies its regulatory emergency authority to fix prices or adopts other laws to stabilize prices or supply.

***The pesification of utility rates has affected and may continue to affect the operations of our affiliated utility companies.***

The Public Emergency Law pesified tariffs for public utility services and prohibited the increase of such tariffs based on indexation factors. Tariffs were converted into pesos at a P\$1=U.S.\$1 parity. Pursuant to this law, the Argentine federal executive branch is authorized to renegotiate the terms of contracts relating to the provision of public utility services. The criteria for such renegotiation must take into account: (i) the impact of tariffs on economic competitiveness and on income distribution, (ii) the quality of the service and capital expenditure programs, in cases where they were required in the contracts, (iii) the interest of the customers and accessibility to the services, (iv) the safety of the systems and (v) the companies' profitability.

On February 12, 2002, the federal executive branch issued Decree No. 293/02 under which the Ministry of Economy was empowered to renegotiate utility contracts and a Public Works and Services Contract Renegotiation Committee, which we refer to as the Renegotiation Committee, was created, the members of which, among them a representative of customers, were appointed through Decree No. 370/02. The Renegotiation Committee's mission is to provide advice to and assist the Ministry of Economy, which must submit a renegotiation proposal to the federal executive branch or otherwise recommend the termination of concession contracts. Such proposal or recommendation is subsequently submitted to the relevant congressional commissions for analysis. The Renegotiation Committee, however, failed to achieve its intended goal due to successive actions to protect constitutional rights (*acciones de amparo*) brought by the Argentine National Ombudsman (*Defensor del Pueblo de la Nación*).

In order to secure the supply of utilities, and in line with the renegotiation process, the federal executive branch authorized an increase in gas and electricity rates under Decree No. 146/03. Such increase was 10% for Transportadora Gas del Sur S.A., or TGS, 9% for Edesur S.A., or Edesur, and 22% for Compañía de Transporte de Energía Eléctrica en Alta Tensión Transener S.A., or Transener and 18% for Empresa de Transporte de Energía Eléctrica por Distribución Troncal Sociedad Anónima Transba S.A. or Transba. The Argentine National Ombudsman and consumer organizations challenged the increase. On February 25, 2003, a Court of First Instance issued a provisional remedy and suspended the rate increase authorized under Decree No. 146/03.

In July 2003, the Utilities Contract Renegotiation and Analysis Committee, or UNIREN, was created within the scope of the Ministries of Economy and Production and Federal Planning, Public Investment and Services. UNIREN, as successor of the Renegotiation Committee, was created to, among other things, assist in the contract renegotiation process for public works and services, subscribe comprehensive or partial agreements and submit regulatory projects concerning temporary price and rate adjustments. To date, no substantial progress has been made in the renegotiation process.

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On October 1, 2003, the Argentine Congress enacted a law whereby the term granted to the federal executive branch under the Public Emergency Law to renegotiate contracts with privatized utility companies was extended until December 2004. In addition, under such law the federal executive branch may fix temporary utility rates until completion of the renegotiation process.

We cannot anticipate the outcome of the current renegotiation process. If utility companies' contracts are renegotiated, the new terms could be less favorable than the current terms. If so, the results of operations and financial position of utility companies could be severely affected. Even if these contracts are renegotiated with more favorable terms, such terms could be insufficient to prevent a material adverse effect on the results of operations and financial position of utility companies. The problems faced by our affiliated utilities have adversely impacted our net income and our ability to receive dividends from these companies. Whereas we received dividends from these companies in 2000 and 2001, we did not receive dividends from them in 2002 or 2003. See Item 5. Operations and Financial Review and Prospects Overview.

### ***The devaluation and pesification of utility rates have resulted in payment defaults by some of our affiliates.***

The new macroeconomic scenario after enactment of the Public Emergency Law deeply changed the economic and financial balance of utility companies. The tremendous effect of devaluation, within a context where revenues remained unchanged as a consequence of the pesification of rates and financial debts with foreign creditors were primarily denominated in foreign currency, affected the financial position, results of operations and cash generation ability of utility companies.

CIESA and Transener have defaulted on their debt and are attempting to restructure it. On February 24, 2003, TGS started an overall restructuring process for substantially all its financial debt. This process mainly aims at extending short-term maturities, modifying certain financial restrictions contemplated in financial agreements and adjusting interest rate and repayment terms to align cash flows required to repay the debt with its expected cash flows, with no principal reductions.

TGS first attempted to reach an agreement with creditors through a pre-packaged out-of-court reorganization agreement (*Acuerdo Preventivo Extrajudicial*), or APE, which is a new structure permitted by Argentine law. An APE essentially permits a company to restructure its debt pursuant to an agreement approved by two-thirds of its creditors, which we refer to as the Requisite Majority, and which is then endorsed by an Argentine Court. Since TGS could not achieve this Requisite Majority, on May 14, 2003, it withdrew the restructuring proposal and simultaneously announced the postponement of the payment of interest on its financial debt. TGS is currently conducting negotiations with its main creditors.

Transener has been notified of a request by one of its creditors for the commencement of involuntary bankruptcy proceedings against it and of requests for attachment of approximately U.S.\$11.5 million in accounts receivable from CAMMESA. Transener is pursuing all reasonable defenses to protect its rights.

The management of our different affiliated utility companies have formulated and implemented an action plan aimed at offsetting the negative impact of the current conditions. We cannot assure you that these plans will prove to be successful or that these plans will help meet the companies' established goals.

We could lose some or all of our ownership in these companies if any necessary debt restructuring is unsuccessful and creditors proceed against the assets of the defaulting affiliates, although the outcome of such procedure is uncertain due to the procedural difficulties of Argentine bankruptcy courts and laws relating to the ownership of Argentine utilities. In addition, as part of a debt restructuring, creditors may require an equity stake in these companies, thereby reducing our equity interest. If our equity interest were reduced, our share of any future cash

dividends and equity in earnings from affiliates from these companies would decrease in line with the decrease in our ownership interest.

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**Factors Relating to Venezuela**

***Political and social events in Venezuela may negatively affect our Venezuelan operations.***

Operations in Venezuela have become an important part of our businesses. In 2003, production in Venezuela accounted for 27.3% of the total average production in barrels of oil equivalent. As of December 31, 2003, a significant share of our total combined proved reserves was located in Venezuela. Accordingly, our operations are affected by political developments in Venezuela.

Effective January 2002, the Venezuelan government adopted a new law whereby royalty payments increased from 16.67% to 30%. This had a significant adverse impact on the results of certain of our fields.

In February 2002, as a result of the capital drain that had started a few years before and the fall in economic activity caused by production cuts mandated by the Organization of Petroleum Exporting Countries, or OPEC, Venezuela was forced to abandon the exchange rate system that it had maintained for some time. Venezuela's currency, the Bolivar, was allowed to float against the U.S. dollar, leading to a significant devaluation.

In April 2002, the President of Venezuela, Hugo Chávez, was removed from power but subsequently returned to the presidency after a few days. He was removed by the military after heavy political backlash over the implementation of his social programs and decision to change management at Petróleos de Venezuela S.A., or PDVSA, the state-owned oil company.

The political crisis deepened in the last months of 2002, with less support for President Chávez and increased violence. In December 2002, in the face of Chávez's refusal to permit a referendum that would determine whether to accelerate elections, a general strike organized by the Coordinadora Democrática was initiated. A number of sectors, including PDVSA workers, joined the strike; as a result, oil production plummeted. The strike was accompanied by increased capital drains, loss of bank deposits and a material deterioration of the country's tax situation as a result of reduced tax revenues. Credit rating agencies downgraded Venezuela's debt ratings. Taking into account the economic deterioration brought by the strike, opposition forces decided to lift the strike in February 2003. The government, in turn, was able to resume control over PDVSA and to partially reinstate production, after dismissing a large number of PDVSA employees.

After discussions between the government and the opposition resumed, an agreement was reached to hold a referendum on President Chávez's future tenure. In June 2004, the Venezuelan Justicia Electoral determined that the opposition to Hugo Chávez had gathered the necessary support to force a referendum on Chávez's mandate, which is scheduled to occur in August of 2004. New riots and social protests are expected.

Amid this continuing struggle, the economy has suffered. A significant loss in reserves and capital flight was recorded. In addition, the country was plunged into an unprecedented recession, which significantly increased inflation, unemployment and violence rates.

For the reasons mentioned above, the government adopted emergency measures including:

closing the foreign exchange market and implementing strict exchange controls;

implementing price controls over basic goods;

importing fuel; and



increasing governmental control over PDVSA.

While these measures enabled a gradual recovery of reserves as oil production returned to normal levels, with high crude oil prices, the restrictions resulted in a sharp decline in overall imports and affected the general level of activity, particularly in the non-oil sector. Venezuela experienced both shortage problems and the emergence of a black market. The unemployment rate rose as poverty indices soared.

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By the end of 2003, Venezuela experienced:

the establishment of a foreign exchange parallel market with a U.S. dollar exchange rate close to 3,000 Bolivar s per U.S. dollar as compared to an official rate of 1,600 Bolivar s per U.S. dollar, which was reflected in the price level;

an 11% decline in GDP, resulting in a decline of over 20% in the last two years;

an unemployment rate close to 20%; and

inflation of approximately 27%.

We are required to deliver all of our oil equivalent production in Venezuela to PDVSA, and accordingly PDVSA has become one of our most important customers.

Since oil production activities in Venezuela are closely monitored by the government through PDVSA, our operations in Venezuela could be affected by political and social riots, including strikes and other forms of political protest, similar to those experienced during the first quarter of 2003. Due in part to the oil strike at PDVSA in 2002, our daily sales volume of oil equivalent decreased 12.5% during 2003. In addition to these effects, Venezuela s complex crisis could have other unforeseen effects, which may have an adverse impact on our results of operations.

The Venezuelan government may, at its own discretion, decide to enact additional laws to modify the terms and conditions of our operating agreements that could negatively impact our operations. Such changes may include increased royalty payments or production cuts. In addition, since Venezuela is an OPEC member country, we are subject to any decision related to production cuts that OPEC may adopt.

## **Factors Relating to Us**

### ***Decline in oil prices affect our operating results and capital expenditures.***

Oil prices in Argentina and other Latin American countries reflect world market prices. World oil prices are determined by global supply and demand factors over which we have no control. Oil prices have fluctuated widely over the last ten years. During 2003, 2002 and 2001, the average WTI was U.S.\$31, U.S.\$26 and U.S.\$26 per barrel, respectively.

Because a substantial amount of our revenue is derived from sales of oil, any decline in the price of oil may affect our operating results and the amount and timing of our projected capital expenditures. Although we regularly evaluate the opportunity to enter into derivative transactions to mitigate our exposure to changes in the price of crude oil and crude oil by-products, if oil prices decline significantly, we may have to dramatically cut capital expenditures, and this could adversely affect our production forecasts in the medium term and our hydrocarbon reserve estimates.

### ***The lack of financing alternatives may impact the execution of our strategic business plan.***

After the default on the Argentine sovereign debt, Argentine companies have had significantly fewer opportunities to access international credit markets. Non-Argentine financial markets and institutions are reluctant to lend additional capital and grant loans to Argentine entities and companies. In addition, as a result of the default in payment of loans and other financial liabilities in Argentina on the part of the government and private entities and the massive withdrawal of money from accounts opened with financial institutions in Argentina and from the Argentine financial market in general, the opportunities to obtain financing at attractive rates in Argentina continue to be very limited.

Although we have thus far been able to fulfill our financings needs throughout the Argentine crisis (we were the first Argentine company to place a new issuance of debt which was not associated or part of a debt restructuring in the international capital markets since the Argentine government defaulted on its debt), the prospects for all Argentine companies, including us, of accessing financial markets in the near or medium-term

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continue to be challenging. If we are unable to access the financial markets, we may have to reduce our projected capital expenditures in order to meet our contractual obligations. This may in turn affect the implementation of our business plan for 2004 and our long-term prospects.

***Production of oil in Block 31 in Ecuador is significantly delayed, and this delay has and will continue to affect our results. Further delays could result in an increase in our operating losses related to our group of assets in Ecuador.***

Our oil fields in an area referred to as Block 31 in Ecuador are located in the Amazon jungle in the northeastern part of the country where no significant infrastructure currently exists for the production of hydrocarbons.

Investments of approximately U.S.\$800 million are estimated to be required for Block 31's development in full. Initial investments in the amount of approximately U.S.\$150 million must be effectively made before the start of the production phase, which is currently scheduled for 2006. The decline in our capital expenditures following the Argentine crisis resulted in significant delays with respect to our original plan for Block 31's development. Our investments are dependent upon our ability to increase capital expenditures in future periods and to access the financial markets.

Future oil production in Block 31 will be shipped through a heavy crude oil pipeline known as Oleoducto de Crudos Pesados. We entered into a contract with Oleoducto de Crudos Pesados Ltd., or OCP, whereby 80,000 barrels per day of oil transportation capacity was committed on a ship or pay basis for a 15-year term as from the date OCP starts operations. Our annual cost associated with this oil transportation capacity is approximately P\$220 million. Transportation capacity costs are billed by OCP on a monthly basis and charged to and expensed by us as incurred.

OCP started commercial operations on November 10, 2003. As of that date, we have had to comply with our contractual obligations with respect to our committed acquired capacity by paying a fee which as of December 31, 2003 was estimated to be P\$7.53 per barrel.

We currently estimate that, during the contract's term, oil production will be lower than our committed transportation capacity. We have reached this belief based on, among other reasons, the delays involved in the development of Block 31, the new schedule of investments required for the joint development of Blocks 18 and 31 and a revised outlook on the potential of Block 31. As of December 31, 2003, we have recorded an impairment allowance of P\$321 million to adjust the book value of a group of assets in Ecuador to its recoverable value.

If we cannot increase capital expenditures in future periods, production from Block 31 will be delayed further. In addition, once development projects are commenced, unforeseen delays in our drilling activities may occur, which could result in significant additional delays in production. See Our drilling activities may be adversely affected by events beyond our control. Furthermore, we cannot assure you that, if required investments were made, future production levels would reach estimated production levels. As a result of these scenarios, we may have future operating losses to the extent that our revenues do not compensate our operating expenses and such losses shall be recognized when incurred.

***Our oil and gas proved reserve estimates are not 100% accurate and may be subject to revision.***

We estimate our proved developed crude oil and natural gas reserves by using geological and engineering data to demonstrate with reasonable certainty whether they are recoverable in future years from known reservoirs under existing economic and operating conditions. These estimates are audited by Gaffney, Cline & Associates, an international technical consulting firm for the oil and gas industry. Nonetheless, reserve estimates are based, in part, on subjective judgments and as a consequence are not 100% accurate, and, thus, may be subject to revision. Crude oil and natural gas reserves are reviewed annually to take into account production levels, field reviews, the addition of

new reserves from discoveries, new economic conditions and other factors. Although we believe our proved reserve estimates fairly present the amount of reserves available to us, proved reserve estimates could be materially different from the quantities of crude oil and natural gas that are ultimately recovered.

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***We may not be able to replace our oil and gas reserves.***

The rate of production from oil and gas properties generally declines, and the cost of such production generally increases, as reserves are depleted. Without successful exploration and development activities or reserve acquisitions, our proved reserves will decline as oil and gas are produced from our existing proved developed reserves. We cannot guarantee that our exploration, development and acquisition activities will result in significant additional reserves or that we will continue to be able to drill productive wells at acceptable costs. Our ability to replace our reserves is also dependent upon our capital expenditures. In 2002, we reformulated our investment plan and adopted a restrictive expense and investment policy. This has significantly limited our reserve replacement ratio.

Looking towards the future, we have limited capital resources to implement an ambitious capital expenditure program. In addition, as long as the financial debt remains unpaid, we must comply with a series of restrictions and covenants, including restrictions on capital expenditure levels.

***Our drilling activities may be adversely affected by events beyond our control.***

Oil and gas drilling activities are subject to numerous risks, many of which are beyond our control. Our operations may be curtailed, delayed or canceled as a result of weather conditions, mechanical difficulties, shortages or delays in the delivery of equipment and compliance with governmental requirements. Drilling may involve unprofitable efforts, not only with respect to dry wells, but also with respect to wells that are productive but do not produce sufficient net revenues to return a profit after drilling, operating and other costs. Completion of a well does not assure a return on the investment or a recovery of drilling, completion and operating costs.

***Our oil and gas operations may be affected by standard industry operating risks.***

Our operations are subject to all of the risks normally incident to the operation and development of oil and gas properties and the drilling of oil and gas wells, including the risk of fire, explosions, blow outs, pipe failure, abnormally pressured formations and environmental hazards such as oil spills, gas leaks, ruptures or discharges of toxic gases. The occurrence of these industry operating risks could cause us to suffer substantial losses, including losses due to injury or loss of life, severe damage to or destruction of property, natural resources and equipment, pollution or other environmental damages and clean up responsibilities, and penalties and suspension of operations.

***Our activities may be adversely affected by events in other countries in which we do business.***

As we expand our operations in other countries, we may be increasingly affected by the following factors and developments: political and economic uncertainties; expropriation of property and cancellation or modification of contract rights; regulatory changes; currency exchange fluctuations and other risks arising out of the imposition of foreign investment or capital controls, and risks of loss in countries due to civil strife, acts of war, guerilla activities and insurrection.

***Our operations run the risk of causing environmental damage, and any changes in environmental laws may increase our operational costs.***

The nature of some of our operations forces us to undertake risks that may cause environmental as well as other types of damage.

In 2003, we hired an international consulting firm to perform an environmental and safety audit on our operations. The report ratified the high environmental standards under which our operations are performed and also identified a series of actions necessary for our operations to be in full compliance with current laws and regulations, to satisfy

future requirements and, in the absence of local laws, to comply with applicable international standards. We have decided to implement the actions recommended by the audit. Consequently, over the next several years we will make investments to improve prevention systems and production facilities, among other things, in the amount of approximately U.S.\$23 million, and we will implement several corrective and remediation actions, some of which are already underway.

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Notwithstanding our decision to implement actions recommended by the environmental audit and our commitment to our environmental, health and safety efforts, we cannot assure you that our operations will not cause environmental or other damages or that any such damages will not result in legal liabilities to us.

We are subject to extensive environmental regulation both in Argentina and in the other countries in which we operate. Additionally, local, provincial and national authorities in Argentina are moving toward more stringent enforcement of applicable environmental laws, which may require us to incur higher compliance costs. We cannot predict what additional environmental legislation or regulations will be enacted in the future or the potential effects on our financial position and results of operations.

***We operate some of our businesses pursuant to concessions and licenses that are subject to termination.***

The terms of the concessions under which some of our businesses operate typically require the operator to meet specified requirements and to maintain minimum quality and service standards. Failure to comply with these criteria could result in the imposition of fines or other government actions. In addition, in extreme cases our license or concession may be terminated or revoked. Although we have materially complied with the terms and conditions of our licenses and concessions in the past and expect to do so in the future, we cannot assure you that our businesses will be able to comply fully with the terms and conditions of their licenses.

Regarding utility companies, the freezing of rates, in addition to increased operating and financing costs, had a significant adverse impact on the utilities' cash flow and capital expenditure plans. Although these companies have continued to maintain acceptable service quality levels, their ability to continue meeting these levels will be seriously affected if the Argentine government does not adopt structural measures allowing for a recovery of these companies' economic-financial balance.

***Our activities may be adversely affected by competition.***

Activities in the energy business are highly competitive and are expected to remain competitive in the future.

We compete with other companies, including leading international oil and gas companies in Argentina and the rest of Latin America. Some of these companies may have greater financial and other resources than us and, as a result, may be in a better position to compete for future business opportunities. In addition, other alternative sources of energy are expected to come into operation in the future.

We cannot assure you that we will maintain our current competitive position in the regional energy markets. In addition, we cannot predict with reasonable certainty the magnitude and speed of evolution of such potential competitive threats or their effect on our operations.



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**Item 4. INFORMATION ABOUT US**

**OUR HISTORY AND DEVELOPMENT**

**Our History**

We are an Argentine based holding company and operate exclusively through our subsidiary Petrobras Energia and its subsidiaries which are engaged in oil and gas exploration and production, refining, petrochemicals, electricity generation, transmission and distribution and hydrocarbons marketing and transportation. We conduct operations in Argentina, Bolivia, Brazil, Ecuador, Peru and Venezuela. We are a corporation organized and existing under the laws of the Republic of Argentina with a duration of 99 years from the date of our incorporation, September 25, 1998. Our legal name is Petrobras Energía Participaciones S.A. and we are known commercially as Petrobras Energía Participaciones. Our principal executive offices are located at Maipú 1, 22nd Floor, C1084ABA Buenos Aires, Argentina, Telephone: 54 11 4344-6000.

Our original name was PC Holdings S.A. We were formed in 1998 as a result of a spinoff by Sudacia S.A. of its equity interest in Petrobras Energía. At the time of the spinoff, we and Sudacia S.A. were wholly owned by members of the Perez Companc family. In addition, Petrobras Energía was also controlled at the time by members of the Perez Companc family. We were formed for the sole purpose of owning shares of Petrobras Energía. As of December 31, 1998 and 1999, we owned 16.15% and 28.92%, respectively, of Petrobras Energía's common stock.

We acquired control of Petrobras Energía on January 25, 2000 as a result of the consummation of an exchange offer pursuant to which we issued 1,504,197,988 Class B shares, with one vote per share, in exchange for 69.29% of Petrobras Energía's outstanding capital stock, thereby increasing our ownership interest in Petrobras Energía to 98.21%. Since January 26, 2000, our Class B shares have been listed on the Buenos Aires Stock Exchange and our American Depositary Shares, each representing ten Class B shares, have been listed on the New York Stock Exchange. At the time, we were controlled by members of the Perez Companc family, who owned all of our Class A shares. Those Class A shares had five votes per share until October 17, 2002, when all Class A shares converted into Class B shares upon their purchase by Petrobras.

In July 2000, we completed the change in our corporate name from PC Holdings S.A. to Perez Companc S.A.

On October 17, 2002, Petrobras Participações, S.L., a wholly owned subsidiary of Petróleo Brasileiro S.A. PETROBRAS, or Petrobras, acquired from the Perez Companc family and Fundación Perez Companc their entire ownership interest, or 58.6%, of Petrobras Energía Participaciones's capital stock. Petrobras is the largest integrated oil, gas and energy company in Brazil. It is engaged in a broad range of oil and gas activities, including crude oil and natural gas exploration and production, refining, transportation, marketing and distribution of oil products, petrochemicals, natural gas and power. Petrobras is a mixed-capital company with a majority of its voting capital owned by the Brazilian federal government. Prior to that date, the Perez Companc family, together with Fundación Perez Companc, had owned at least half of the share capital issued by Petrobras Energía Participaciones.

On April 4, 2003, at a regular and special shareholders' meeting, shareholders approved the change of our corporate name to Petrobras Energía Participaciones S.A. from Perez Companc S.A. On the same date, shareholders of Pecom Energía S.A., or Pecom, approved the change of its name to Petrobras Energía S.A. Both changes were registered with the National Corporate Registrant (*Inspección General de Justicia*) on July 17, 2003.

On May 13, 2003, the CNDC approved the purchase of 58.62% of Petrobras Energía Participaciones S.A.'s capital stock.

## **History of Petrobras Energía**

Petrobras Energía was founded in 1946 as a shipping company by the Perez Companc family. In the mid-1950 s Petrobras Energía began its forestry operations when it acquired an important forestry area in northeastern Argentina. In 1960, Petrobras Energía began servicing oil wells, and, over time, its maritime operations were gradually discontinued and replaced by oil-related activities. The development of Petrobras Energía s oil and gas business is marked by two significant events. The first occurred in the early 1990s, when Petrobras Energía was

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awarded concessions to operate Puesto Hernandez, the second most important oilfield in Argentina, and the Faro Virgenes and Santa Cruz II areas in the Austral basin, Argentina's most important area of oil and gas production. As a result of this and other concessions, Petrobras Energía has become one of the largest oil and gas producers in Argentina.

The second milestone in Petrobras Energía's oil and gas operations occurred in 1994 when Petrobras Energía bid on and was awarded an exploration and production service contract for the Oritupano Leona area in Venezuela. Over the last few years Petrobras Energía has expanded its operations rapidly in Venezuela, Peru, Ecuador, Brazil and Bolivia as part of its strategy to become a leading integrated energy company in Latin America.

Petrobras Energía developed its other energy businesses primarily through the acquisition of interests in state-owned companies that were privatized by the Argentine government between 1990 and 1994. Petrobras Energía acquired interests in companies operating in refining and petrochemicals, hydrocarbon transportation and distribution and power generation, transmission and distribution. These companies have formed the core of Petrobras Energía's energy businesses.

In addition to the energy sector, Petrobras Energía has in the past conducted operations in other industries, including construction, telecommunications and mining. Petrobras Energía entered the construction business in the 1970s when it acquired Sade S.A. Petrobras Energía entered the telecommunications business when it acquired an interest in Nortel Inversora S.A., the controlling shareholder of Telecom Argentina, an Argentine telephone services provider, in the early 1990s when the Argentine government privatized the telecommunications industry. These businesses were sold by Petrobras Energía during the late 1990s as part of Petrobras Energía's strategy to focus its operations on the energy sector. As a result of these divestitures and the development of Petrobras Energía's energy businesses over the last decade, Petrobras Energía has become a vertically integrated energy company.

## **Capital Expenditures and Divestitures**

For a description of our most significant divestitures see Item 5. Operating and Financial Review and Prospects Factors Affecting Our Consolidated Results of Operations and Business Overview Divestments of non-core assets. For a description of our capital expenditures see Item 5. Operating and Financial Review and Prospects Liquidity and Capital Resources.

## **BUSINESS OVERVIEW**

### **Our Strategy**

Our long-term strategy is to grow as an integrated energy company with a leading presence in Latin America as part of the Petrobras group, while focusing on profitability as well as social responsibility.

We will continue to integrate our business in order to take full advantage of our significant hydrocarbon reserves.

We consider the following objectives essential in our efforts to meet these goals:

a disciplined use of capital, with a view to optimizing our debt to capital ratio. Our level of investment will be guided primarily by funds generated internally, with priority given to projects with better potential of generating profits on an accelerated basis and financial solvency as the starting point for our growth strategy;

a commitment to protect the quality of our goods and services, the environment and the health and safety of our employees, contractors and neighboring communities;

the adoption of corporate governance practices in line with international best practices;

a style of management that favors communication and teamwork, fostered by the value of the people that work in our organization; and

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the development of new business opportunities, by maximizing potential synergies and capitalizing on complementary business opportunities with Petrobras.

We currently manage our activities, with the support of the corporate staff, in five business segments: Oil and Gas Exploration and Production, Hydrocarbon Marketing and Transportation, Refining, Petrochemicals, and Electricity.

## **OIL AND GAS EXPLORATION AND PRODUCTION**

### **Overview**

The core of our operations is the oil and gas exploration and production business segment. In line with our profitability and cash generation goals, this business segment's strategy is based on the following: (1) sustained growth of operations by capitalizing on our experience and presence in almost all Latin American oil producing countries, (2) aggressive field exploration as a significant vehicle for growth, (3) monetization of our oil and gas reserves, (4) low lifting costs, and (5) investment portfolio optimization.

We currently conduct oil and gas exploration and production operations in Argentina, Venezuela, Peru, Bolivia and Ecuador.

As of December 31, 2003, our combined crude oil and natural gas proved reserves, including our shares of the reserves of our unconsolidated investees, were estimated at 758.1 million barrels of oil equivalent, approximately 53% of which were proved developed reserves and approximately 47% of which were proved undeveloped reserves. Crude oil accounted for approximately 75.1% of our combined proved reserves, while natural gas accounted for about 24.9%. As of December 31, 2003, 40.1% of our total combined proved reserves were located in Argentina and 59.9% were located abroad. Over the last few years, total reserves located abroad have become an increasing component of our assets portfolio, consistent with our strategy aimed at growing as an integrated energy company throughout Latin America. Pursuant to this strategy, between 2001 and 2003, total investments outside of Argentina accounted for 65% of our total investments.

For the year ended December 31, 2003, our combined crude oil and natural gas production, including our share of the production of our unconsolidated investees, averaged 158.6 thousand barrels of oil equivalent per day (114.6 thousand oil barrels and 264 million cubic feet of natural gas per day). Approximately 49.6% of our oil production and 23.4% of our gas production were outside of Argentina. In particular, in 2003, Venezuelan production became a main component of our total production, accounting for 27.3% of our total average production in barrels of oil equivalent.

Deliveries of oil equivalent, including those relating to unconsolidated investees, totaled 161.3 thousand barrels of oil equivalent per day.

As of December 2003, we had total proved reserves equal to 13.1 years of production at 2003 oil and gas production levels.

Our integrated business vision places our refining, petrochemicals and electricity businesses as primary links in our business value chain, through which the potential of our significant hydrocarbon reserves may be maximized. Integration with our refining business segment enables us to process a large part of our crude oil production in Argentina. The Genelba Power Plant allows us to use approximately 2.8 millions cubic meters of natural gas per day of our own reserves. In addition, we supply gas to our petrochemical operations in Argentina.

### *Investments*

Significant investments made by us in the past have laid a foundation for the expansion and growth of our oil and gas exploration and production segment. During 1999-2001, investments totaled P\$3,165 million.

The 2002 fiscal year marked a change in our investment history. The magnitude and complexity of the crisis that broke out in Argentina late in 2001 and the limited opportunities to access the capital markets forced us to reformulate our growth strategy. Given this new environment, we developed a new strategy that prioritizes cash

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generation and the maintenance of adequate liquidity levels. This has resulted in more restrictive expense and investment policies. As a result, capital expenditures in 2002 totaled only P\$596 million, a relatively low amount compared to our historical average investment levels.

The reduced pace of investments influenced our growth objectives in the short term, mainly affecting our future production volumes of oil and gas. In addition, reduced investments delayed the development of new exploitation areas and related production.

In 2003, as the Argentine economy began to improve, our operating cash flow recovered and our liquidity approached our target levels, which allowed our investment levels to partially recover. In 2003, capital expenditures totaled P\$696 million, accounting for a 17% increase compared to 2002. Capital expenditures in 2003 focused on maintaining production and increasing cash flow generation, while prioritizing investments in countries and in products with higher profit margins.

*Our Oil and Gas Exploration and Production Interests*

We generally participate in exploration and production activities in conjunction with joint venture partners, as is commonplace in the oil and gas exploration and production business. Contractual arrangements among participants in a joint venture are usually governed by an operating agreement, which provides that costs, entitlements to production, and liabilities are to be shared according to each party's percentage interest in the joint venture. One party to the joint venture is usually appointed as operator and is responsible for conducting the operations under the overall supervision and control of an operating committee that consists of representatives of each party to the joint venture. While operating agreements generally provide for liabilities to be borne by the participants according to their respective percentage interest, licenses issued by the relevant governmental authority generally provide that participants in joint ventures are jointly and severally liable for their obligations to that governmental authority pursuant to the applicable license. In addition to their interest in field production, contractual operators are generally paid their production costs on a monthly basis by their partners in proportion to their participation in the relevant field. Our joint venture partners are oil companies that are active in Argentina and subsidiaries of overseas oil companies.

As of December 31, 2003, we had interests in 24 oil fields, 17 of which are oil and gas producing fields and seven of which are located in exploration areas, four in Argentina and three outside of Argentina. We are, directly or indirectly, the contractual operator of 21 of the 24 fields in which we have an interest.

As of December 31, 2003, our total gross and net productive wells were as follows:

	<u>Oil</u>	<u>Gas</u>	<u>Total</u>
Gross productive wells	4,373	227	4,600
Net productive wells	3,609	200	3,809

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As of December 31, 2003, our total producing and exploration acreage, both gross and net, is shown in the following table:

	<b>Average (thousands of acres)</b>			
	<b>Producing<sup>(1)</sup></b>		<b>Exploration<sup>(1)</sup></b>	
	<b>Gross</b>	<b>Net<sup>(2)</sup></b>	<b>Gross</b>	<b>Net<sup>(2)</sup></b>
Argentina	4,027	3,211	911	887
Peru	116	116		
Venezuela	585	379	363	181
Ecuador	281	197	494	494
Bolivia	56	56		
	<hr/>	<hr/>	<hr/>	<hr/>
Total	5,065	3,959	1,768	1,562
	<hr/>	<hr/>	<hr/>	<hr/>

(1) Producing acreage includes all areas in which we produce commercial quantities of oil and gas. Exploration acreage includes all areas in which we are allowed to perform exploration activities but where commercial quantities of oil and gas are not produced.

(2) Net interests represent our fractional ownership working interest in the gross acreage.

**Production***Argentine Production*

Argentina is currently the fourth largest oil producer in Latin America after Mexico, Venezuela and Brazil. In 2003, Argentina's daily production was approximately 720 thousand barrels, accounting for approximately 8.1% of the region's total production. Production from Mexico, Venezuela and Brazil accounts for about 37.7%, 22.6% and 17.2%, respectively, of total oil production in Latin America.

According to statistical data for 2002, Argentina has the second largest amount of natural gas proved reserves in Latin America. Reserve volumes in Argentina coupled with its highly developed gas infrastructure, both for the domestic and export markets, has enabled the country to position itself as an energy leader in the region. Considering its significant gas reserves, as well as the tremendous growth in electric power generation supplied by natural gas in the southern part of South America, Argentina is expected to consolidate its position as a large gas exporter to Chile, Brazil and Uruguay.

Since the privatization of natural gas utilities in 1992, the natural gas industry in Argentina has grown significantly as a result of a number of factors, including: (i) an increase in gas availability, (ii) increased and improved transportation and distribution, (iii) environmental efficiency, (iv) low prices as compared to international levels and (v) alternative fuels in the domestic market. As a result of natural gas's competitiveness, demand for gas significantly increased from 17,800 million cubic meters in 1990 to 43,466 million cubic meters in 2003, and natural gas became the preferred fuel for both residential and industrial users as well as electricity generation companies.



In response to this increased demand for natural gas, we made significant investments in each step of the natural gas chain during the last decade. Transportation and distribution licensees, in turn, also made sizable investments. As a result, our gas transportation capacity doubled from 67 million cubic meters per day to 115 million cubic meters per day and distribution networks increased in size by 53%. These investments allowed for exports to bordering countries and led to a suspension of imports. The higher gas availability resulting from the expansion of gas pipelines and distribution networks caused the tripling of the number of compressed natural gas, or CNG, stations. CNG is the least expensive and least polluting motor fuel. As a result, Argentina currently has the largest CNG-fueled vehicle fleet in the world.

Notwithstanding this segment's potential, the Public Emergency Law has significantly changed the applicable regulatory framework and has adversely affected the economic attractiveness of the gas business. Following enactment of this law, there has been an abrupt reduction of investment in exploration activities in Argentina. This reduction, combined with the increase in demand, has significantly reduced Argentina's horizon of reserves, which decreased from approximately 25 years of production in the beginning of the 1990s to a 14-year

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reserve by the end of 2002. Without a clear path to price recovery, there may be structural uncertainties as to the future potential of the gas industry and the consequent integral use of reserves.

In the fiscal year ended December 31, 2003, our oil and gas production accounted for 4.6% and 3.9% of total oil and gas production in Argentina, respectively. As of December 31, 2003, we had interests in ten Argentine oil and gas production fields, with production rights in 3,211 thousand net acres.

Our production is concentrated in two basins, the Neuquén and the Austral basins. This positioning helps to optimize our operating efficiency and capitalize on the operating synergies of our own assets. The Neuquén basin is the most important area in Argentina in terms of oil and gas production. We own 579 thousand net acres under production concessions. Our most important fields in the Neuquén basin are 25 de Mayo-Medanito S.E., Puesto Hernández and Río Neuquén. In the Austral basin we own 2,632 thousand net acres under production concessions, with Santa Cruz I and Santa Cruz II being our most important fields in that basin.

In line with our current strategy, we have implemented the following initiatives during the last three years:

In February 2001, we completed an asset swap with Repsol-YPF S.A. having an economic impact as from January 1, 2001, whereby: (i) we added a 30% and 62.2% interest in Santa Cruz I and Santa Cruz II areas, respectively, and (ii) assigned our 50% interest in Manantiales Behr and Restinga Alí joint ventures and our 40.5% equity interest in Andina Corporation, a company controlling 50% of Empresa Petrolera Andina S.A. of Bolivia. This transaction enabled us to monetize our oil and gas reserves and optimize our assets portfolio, strengthening our position in the Austral basin by divesting non-core assets located in Bolivia and in the San Jorge basin in Argentina.

In October 2001, we sold our exploitation rights in the Pampa del Castillo-La Guitarra area and our 13.79% equity interest in Terminales Marítimas Patagónicas. As a strategic milestone, this transaction represented the end of our oil operations at the Golfo San Jorge basin.

In June 2003, we sold our 50% equity interest in the Faro Vírgenes concession area to Geodyne Energy Inc.'s Argentine branch. The Faro Vírgenes area was a low production asset with little potential and high operating costs.

In August 2003, we sold our 85% interest in the Catriel Oeste area to Central International Corporation's Argentine branch. The Catriel Oeste was a low production asset with little potential and high operating costs.

Rights to develop oil and gas fields in Argentina are granted through concessions and exploration permits. Concessions are generally granted for periods of 25 years and are typically renewable for a maximum term of ten years, and permits are generally granted for initial periods of three years. The concessions for all production areas in Argentina typically provide for the free availability of oil. All permanent fixtures, materials and equipment are under the control of the concessionaire, although they revert to the Argentine government at the end of the concession. Royalties are paid to the respective Argentine provinces for the production of crude oil and the volumes of natural gas produced for sale. These royalties are 12% of the wellhead price for oil and gas. The wellhead price used to determine the royalty cost is similar to the final sales price less treatment, storage and transportation costs.

### *Production outside of Argentina*

As a result of the substantial investments we have made in the rest of Latin America in recent years, as of December 31, 2003, 59.9% of our combined proved reserves were located outside of Argentina. In addition, approximately 49.6% of our oil production and 23.4% of our gas production came from outside Argentina in 2003. We have interest in seven oil and gas production fields outside of Argentina: Oritupano-Leona, Acema, La



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*Venezuela*

Venezuela is an important country in the international oil market. With proven reserves of approximately 77.8 billion barrels of crude oil in 2003, Venezuela possesses the largest proven reserves in the Western Hemisphere and has 7% of the total reserves on earth. Its commercial production is concentrated in the basins of Zulia and Barinas-Apure in the western part of the country and in the basins of the Estados Monagas and Anzoátegui in the eastern part of the country. Venezuela also has billions of barrels of heavy duty crude and bitumenes, the great majority of which is situated in the Faja Petrolífera of Orinoco.

In 2002, Venezuela produced approximately 2.6 million barrels of crude oil a day, of which close to 407,000 barrels were consumed in the local market and the rest were exported. It is worth noting that production levels were affected by a general strike that took place in the beginning of December of 2002 and lasted until February of 2003. See Item 3. Key Information Risk Factors Factors Related to Venezuela.

Production from Venezuela has become an important part of our total production, accounting for 27.3% of the total average production in barrels of oil equivalent in 2003.

In Venezuela, our rights are held under operating service contracts.

In 1994, during the second round of operating agreements, we were awarded the first service contract by PDVSA at the Oritupano-Leona field to provide production services for a 20-year period, which may be extended for an additional ten-year period. Oritupano-Leona is a 215 thousand net acre block located in the Oriental basin that includes 263 producing wells.

The Oritupano Leona joint venture's sole customer for the sale of oil production is PDVSA. Per our operating service agreement, PDVSA is the sole owner of the facilities, assets and/or operating equipment used by the joint venture to conduct the activities provided for in this agreement. For the provision of production services, we receive a variable fee based on production volumes plus an additional fee for reimbursement of capital expenditures, on a quarterly basis during the first ten-year term of the agreement. Expenses related to investments made thereafter will be recovered over the rest of the term. Any of these unpaid expenses will bear interest of up to 1% over the London Interbank Offered Rate, or LIBOR, annual rate. The contract has a cap (maximum total fee) on the amount which we can collect, which is reset quarterly based on the market price of oil. As of December 2003, this cap was approximately U.S.\$28.72 per barrel.

In 1997, PDVSA awarded us three 20-year service contracts for the exploration and production of Acema, La Concepción and Mata blocks in the so-called Third Round bids. The bids were initially made through joint ventures. Currently, we have a 90% interest in the La Concepción block and a 86.23% interest in the Acema and Mata oil blocks, which, together with the La Concepción, block we refer to as the Third Round Blocks. La Concepción is a 55 thousand net acre block located in the Maracaibo basin, with 92 producing wells. Acema and Mata, located in the Oriental basin, are 64 thousand and 45 thousand acre blocks with 22 and 53 producing wells, respectively. According to the concession contracts, PDVSA will be the sole owner of the facilities, assets, and operating equipment. We receive a fee for each barrel delivered which has a fixed component related to contractual baseline production and a variable component related to the incremental production that covers investments and production costs, plus a gross profit up to a maximum that is tied to a basket of international oil prices.

Effective January 2002, the Venezuelan government adopted a new law whereby royalty payments increased from 16.67% to 30%. This law had a significant adverse impact on the operating results of our Third Round Blocks. We are taking every necessary step to partially reverse this increase, since under a new hydrocarbons law the federal executive may reduce such royalties by up to 20%.

The government of Venezuela may set a limit on our oil production under the terms of the service agreements. Venezuela is a member of OPEC and has set forth a policy of strict compliance with the production quotas decided within OPEC. According to the Venezuelan Hydrocarbon Law, any decisions made by the federal administration in connection with agreements or international treaties involving hydrocarbons are applicable to any party that carries out the activities governed by the law. As a result of this, if there are production cuts approved by OPEC, these cuts affect private producers as well as PDVSA. See Regulation of Our Businesses The

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Venezuela Petroleum and Gas Industry and Regulatory Framework. Production cuts were only contemplated by the third round operating agreements, which we refer to as the Third Round Agreements, but not by the second round operating agreements, which we refer to as the Second Round Agreements, which apply to the Oritupano-Leona field. Although no production cuts have been ordered under the Second Round Agreements to date, it is not completely clear whether the constitutional principle that prohibits retroactive application of the law will protect Second Round Agreements against future production cuts.

### *Peru*

In 1996, we acquired 30-year oil and 40-year natural gas production rights in Lote X, a 116 thousand acre block in Peru's Talara basin, through a public bidding process. The purchase included all of the then existing assets on the site. The concession agreement provides for the free availability of hydrocarbons. As of December 31, 2003, Lote X had 2,366 productive wells. We have entered into a long-term sales contract under which Perupetro S.A., the Peruvian state-owned company which we refer to as Perupetro, is obligated to purchase all of our production at market prices. Hydrocarbon sales are subject to royalty payments of 24% of the sales price. The sales contract is set to expire in July 2006.

In June 2003, the Peruvian government approved the National Law for the Promotion of Investment in the Exploitation of Resources and Marginal Reserves of Hydrocarbons (*Ley para la Promoción de la Inversión en la Explotación de Recursos y Reservas Marginales de Hidrocarburos a Nivel Nacional*) through which Perupetro is authorized to reduce the level of royalty payments. This reduction would be contingent on the concessionaire agreeing to minimum production levels and work programs. Under this scheme, we entered into an agreement with Perupetro, modifying the original terms of our concession, in which we promised to invest U.S.\$65 million during the first five years and U.S.\$33 million in the following two years, in exchange for a reduction in royalty payments, which, under current conditions, we estimate would decline to 16.5%. This agreement becomes valid simultaneously with the promulgation of the Supreme Decree (*Decreto Supremo*) approving the modification of our concession.

Peru production accounted for 8.1% of our total average production in barrels of oil equivalent in 2003.

### *Bolivia*

Petrobras Energía has a 100% interest in the oil and gas fields of Colpa Caranda and has operated them since 1989. Colpa Caranda is a 56 thousand net acre block located in the Sub Andina Central basin that has 55 producing wells. Approximately 88.6% of our proved developed reserves in Bolivia are gas. These fields, which originally supplied Bolivian gas exports to Argentina, currently have priority in the dispatch of gas to the Santa Cruz-São Paulo pipeline that transports gas to Brazil. Bolivia production accounted for 3.8% of our total average production in barrels of oil equivalent in 2003.

### *Ecuador*

In 2001, we acquired a 70% interest in Block 18, located in the Oriente basin of Ecuador. Block 18 is a field covering 197 thousand acres and having a significant potential of 28° to 33° API light crude oil reserves. The concession for production activities in Block 18 will be for an initial 20-year term as from October 2002. Once this term expires, the Ecuadorian hydrocarbons law provides for the possibility of an additional five-year extension period.

In October 2002, the Hydrocarbons National Directorate approved the development plan for the Pata field in Block 18, thereby initiating its production phase until October 2022. The Government has the right to take 35% of production, in kind. Exploratory activities will continue for an additional three-year period ending October 2005.

In August 2002, Petroecuador, the Ecuadorian state-owned oil company, subscribed to a joint exploitation agreement for the Palo Azul field in Block 18. In December of 2002, the Palo Azul development plan was approved and has been extended until December 2022. The general terms of the agreement include differential production sharing percentages according to a formula that takes into account the final selling price of Palo Azul's crude oil and the level of total proved reserves. Specifically, if Palo Azul's crude oil sells at a price less than U.S.\$15 per barrel, the State's share of crude oil equals 30%. If crude oil sells at a price greater or equal to U.S.\$24 per barrel, the

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State's share of crude oil equals about 50%. For all other price ranges, a scale was agreed with Petroecuador. Palo Azul's selling price is computed by considering the WTI crude oil benchmark minus the market discount for the Oriente crude oil. The agreement provides for the free availability of crude oil.

Block 18 has eight productive wells, two of which are located at the Pata field and six of which are located at the Palo Azul field. In addition, the area has early production facilities which can handle a daily gross production of 20 thousand barrels.

*Mexico*

In 2003, as part of the bidding launched by Petróleos Mexicanos, or PEMEX, for the operation of areas under multiple service contracts, contracts for the Cuervito and Fronterizo blocks were awarded to a joint venture composed of Petrobras, Teikoku and Diavaz. Under an operating agreement, we will act as contractor and provide the joint venture with the technical and operating support required for the operation of the Cuervito and Fronterizo blocks.



**Table of Contents****Statistical Information Relating to Oil and Gas Production**

The following table sets forth our oil and gas fields production as of December 31, 2003. In addition, the table includes our percentage interest in the oil and gas production of each field, the number of producing wells and the expiration date of the concessions. Although some of these concessions may be extended at their expiration, the expiration dates set forth below do not include any such extensions.

Production Areas	Location	Basin	2003 Production		Oil and Gas Wells	Interest	Expiration	
			Oil <sup>(1)</sup>	Gas <sup>(2)</sup>				
<b>Argentina</b>								
25 de Mayo S.E.	Medanito	La Pampa and Río Negro	Neuquén	4,982	1,314	461	100.00%	2016
Catriel Oeste <sup>(3)</sup>		Río Negro	Neuquén	258	240		85.00%	2016
Jagüel de los Machos		Río Negro and La Pampa	Neuquén	1,296	3,630	73	100.00%	2015
Faro Vírgenes U.T.E. <sup>(4)</sup>		Santa Cruz Mendoza and Neuquén	Austral Neuquén		127		50.00%	2016
Puesto Hernández		Neuquén	Neuquén	5,661		580	38.45%	2016
Bajada del Palo Amarga Chica	La	Neuquén	Neuquén	101		4	80.00%	2015
Santa Cruz II		Santa Cruz Neuquén and Río Negro	Austral Neuquén	4,705	24,307	76	100.00%	2017
Río Neuquén		Río Negro	Neuquén	843	12,060	134	100.00%	2019
Entre Lomas		Neuquén and Río Negro	Neuquén	711	1,282	327	17.90%	2016
Veta Escondida and Rincón de Aranda U.T.E.		Neuquén	Neuquén				55.00%	2016
Aguada de la Arena		Neuquén	Neuquén	75	5,626	9	80.00%	2022
Santa Cruz I U.T.E.		Santa Cruz	Austral	2,466	25,243	77	71.00%	2016
Outside of Argentina		Bolivia		491	13,095	55	100.00%	2029
Colpa Caranda		Venezuela	Oriental					
Oritupano Leona		Venezuela	Maturin	8,221		263	55.00%	2014
Acema		Venezuela	Oriental Maturin	943		22	86.23%	2017
La Concepción		Venezuela	Lago Maracaibo	3,994	6,848	92	90.00%	2017
Mata		Venezuela	Oriental Maturin	1,510		53	86.23%	2017
Lote X		Peru	Talara	4,239	2,570	2,366	100.00%	2024

Block 18	Ecuador	Oriente	<u>1,344</u>	_____	<u>8</u>	70.00%	2022
Total			<u>41,840</u>	<u>96,342</u>	<u>4,600</u>		

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(1) in millions of barrels

(2) in billions of cubic feet

(3) In August of 2003, we sold our 85% interest in Catriel Oeste concession area to Central International Corporation, Argentine Branch.

(4) On June 26, 2003, we sold our 50% interest in Faro Vírgenes concession area to Geodyne Energy Inc. s Argentine Branch.

In 2003, our annual production from producing oil fields, including our oil fields in Bolivia, Venezuela, Peru and Ecuador, was 41.8 million barrels of oil, 21.1 million of which were produced in Argentina. Our annual production of gas amounted to 96.3 million cubic feet, 73.8 million cubic feet of which were produced in Argentina.

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The following table sets forth our average daily production of oil, including other liquid hydrocarbons, for the three fiscal years ended December 31, 2003, 2002 and 2001. This table includes our proportionate share of the production of both our consolidated subsidiaries and our unconsolidated investees.

	<b>Year ended December 31,</b>		
	<b>2003</b>	<b>2002</b>	<b>2001</b>
	<b>(average barrels per day)</b>		
Argentina	57,803	56,746	67,671
Outside of Argentina	56,827	58,917	60,484
<b>Total</b>	<b>114,630</b>	<b>115,663</b>	<b>128,155</b>

The following table sets forth our average daily gas production for the three fiscal years ended December 31, 2003, 2002 and 2001. This table includes our proportionate share of the production of both our consolidated subsidiaries and our unconsolidated investees.

	<b>Year ended December 31,</b>		
	<b>2003</b>	<b>2002</b>	<b>2001</b>
	<b>(average Mcf per day)</b>		
Argentina	202,272	252,559	273,414
Outside of Argentina	61,679	61,238	65,912
<b>Total</b>	<b>263,951</b>	<b>313,797</b>	<b>339,326</b>

The following table sets forth the average sales price per barrel of oil and per thousand cubic feet of gas for each geographic area for the three fiscal years ended December 31, 2003, 2002 and 2001, of our consolidated subsidiaries.

	<b>Year ended December 31,</b>		
	<b>2003</b>	<b>2002</b>	<b>2001</b>
Argentina			
Oil (in pesos per BOE)	69.80	65.88	40.56
Gas (in pesos per 1,000 cubic feet)	1.76	1.97	2.40
Outside of Argentina			

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Oil (in pesos per BOE)	52.70	50.70	30.84
Gas (in pesos per 1,000 cubic feet)	4.37	4.52	3.34

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The following table sets forth our average lifting cost, royalties and depreciation cost of oil and gas fields in each geographic area for the three fiscal years ended December 31, 2003, 2002 and 2001. This table includes our proportionate share of the production of our consolidated subsidiaries.

	<b>Year ended December 31,</b>		
	<b>2003</b>	<b>2002</b>	<b>2001</b>
	<b>(in pesos per BOE)</b>		
Argentina			
Lifting Cost	6.45	5.77	5.98
Royalties	5.37	5.28	3.94
Depreciation	10.02	9.61	8.09
	<u>21.84</u>	<u>20.66</u>	<u>18.01</u>
Outside of Argentina			
Lifting Cost	9.42	10.41	5.87
Royalties	5.52	5.45	3.38
Depreciation	12.78	15.41	6.92
	<u>27.72</u>	<u>31.27</u>	<u>16.17</u>

The following table sets forth the average reserve replacement cost and the finding and development costs of oil and gas from all fields for the three fiscal years ended December 31, 2003, 2002 and 2001. This table includes our proportionate share of the production of both our consolidated subsidiaries and our unconsolidated investees.

	<b>Year ended December 31,</b>		
	<b>2003</b>	<b>2002</b>	<b>2001</b>
	<b>(in pesos per BOE)</b>		
Reserve replacement cost	41.85	(1)	26.80
Finding and development costs	13.51	10.63	14.99

(1) In 2002, there was no net increase in reserves.

**Exploration***Overview*

We believe that an increase in exploration is essential to maintain and grow our reserve base. Exploration is a key

activity to sustain a high reserve replacement ratio.

We use 3-D seismic technology to ensure a technologically sound prospect portfolio and a high success rate. The integration of well and 3-D seismic data into subsurface models is critical for exploration drilling, field delineation and optimization of the appraisal of well locations.

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The following table lists our oil and gas fields in exploration areas as of December 31, 2003, the location of the basin in each area, our ownership interest and the expiration date of the exploration permits for each field.

	<u>Location</u>	<u>Basin</u>	<u>Interest</u>	<u>Expiration</u>
Argentina	Santa			
Glencross	Cruz	Austral	96.68%	1999 <sup>(1)</sup>
	Santa			
Estancia El Chiripá	Cruz	Austral	100.00%	2006 <sup>(1)</sup>
	Santa			
Santa Cruz I Oeste	Cruz	Austral	50.00%	2006 <sup>(1)</sup>
	Santa			
CAM-2A Norte	Cruz	Austral	50.00%	2004
Outside of Argentina				
San Carlos	Venezuela	Guarico	50.00%	2005
Tinaco	Venezuela	Guarico	50.00%	2005
Block 31	Ecuador	Oriente	100.00%	2024

(1) We have requested that the lot be declared operational and are awaiting a response from the relevant authorities.  
*Exploration in Argentina*

As of December 31, 2003, we hold interest in 911 thousand gross acres (887 thousand net acres) of basin area in Argentina available for exploration. Under exploration licenses we hold interests in Glencross, Santa Cruz I Oeste and CAM-2A exploratory areas. We may continue to acquire acreage positions in the future as the Argentine government offers additional exploration permits through license bidding rounds.

We compete with other oil and gas producers in Argentina for the acquisition of new properties.

The following table sets forth the number of wells we drilled in Argentina, and the results thereof, for the periods indicated. A well is considered productive for purposes of the following table if it justifies the installation of permanent equipment for the production of oil and gas. A well is deemed to be a dry hole if it is determined to be incapable of commercial production. Gross wells drilled in the tables below refers to the number of wells completed during each fiscal year, regardless of the spud date, and net wells drilled relates to the fractional ownership working interest in wells drilled. This table includes wells drilled by both our consolidated subsidiaries and unconsolidated investees.

	<u>Year ended December</u> <u>31,</u>		
	<u>2003</u>	<u>2002</u>	<u>2001</u>
<i>Gross wells drilled</i>			
Exploratory			
Productive wells			
Oil			
Gas			

Dry	—	1	1
	—	—	—
Total	—	1	1
	—	—	—
Development			
Productive wells			
Oil	169	109	137
Gas	8	7	20
Dry	8	4	3
	—	—	—
Total	185	120	160
	—	—	—



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	<b>Year ended December 31,</b>		
	<b>2003</b>	<b>2002</b>	<b>2001</b>
<i>Net wells drilled</i>			
Exploratory			
Productive wells			
Oil			
Gas			
Dry	—	1	1
	—	—	—
Total	—	1	1
	—	—	—
Development			
Productive wells			
Oil	105.2	78.7	110.6
Gas	6.6	5.8	14.6
Dry	6.2	2.8	3.0
	—	—	—
Total	118.0	87.3	128.2
	—	—	—

During 2002, we farmed out a 50% interest in Santa Cruz I exploratory block. The buyer committed to make all the investments necessary to acquire and process 500 km<sup>2</sup> of 3-D seismic lines and to drill five wells. However, we remain responsible for conducting operations in this block.

*Exploration Outside of Argentina*

As of December 31, 2003, we hold interests in 857 thousand gross acres (675 thousand net acres) outside of Argentina available for exploration. We hold interests in three oil and gas exploration fields outside of Argentina: San Carlos and Tinaco in Venezuela and Block 31 in Ecuador. We continue to seek new business opportunities in Peru, Bolivia, Ecuador and Venezuela.

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The following table sets forth our drilling activities outside of Argentina for the three years ended December 31, 2003, 2002 and 2001. A well is considered productive for purposes of the following table if it justifies the installation of permanent equipment for the production of oil and gas. A well is considered to be a dry hole if it is determined to be incapable of commercial production. This table includes both our consolidated subsidiaries and unconsolidated investees.

	<b>Year ended December 31,</b>		
	<b>2003</b>	<b>2002</b>	<b>2001</b>
<b><i>Gross wells drilled</i></b>			
<b>Exploratory</b>			
Productive wells			
Oil	2		
Gas			
Dry	1	2	
	—	—	—
Total	3	2	
	—	—	—
<b>Development</b>			
Productive wells			
Oil	20	2	35
Gas	1		3
Dry			1
	—	—	—
Total	21	2	39
	—	—	—
<b><i>Net wells drilled</i></b>			
<b>Exploratory</b>			
Productive wells			
Oil	1.4		
Gas			
Dry	1.0	1.1	
	—	—	—
Total	2.4	1.1	
	—	—	—
<b>Development</b>			
Productive wells			
Oil	17.7	1.1	19.5
Gas	0.6		3.0
Dry			1.0
	—	—	—
Total	18.3	1.1	23.5
	—	—	—

*Venezuela*

We began exploration activities in the San Carlos region of western Venezuela under a contract entered into with PDVSA through its subsidiary, Corporación Venezolana de Petróleo S.A., in July 1996. The block is located in the areas of Cojedes and Portuguesa and extends across 125 thousand acres. We are required to pay all exploration costs in the block. The exploration activities in this block started late in 1996 and the work commitments for the first stage of the exploration process were fulfilled with the acquisition of 2-D seismic data and the drilling of 2 exploratory wells. Total expenditures required for initial exploration in the block were U.S.\$32 million. Our exploration activities in this block yielded gas findings.

In June 2001, upon the opening of free gas exploration areas, we were awarded a license for the exploration and production of gas in the Tinaco area, a field adjacent to the San Carlos field, with an area of 238 thousand acres. This event is an important step in the development of the San Carlos block, since it would enable us to confirm related natural gas reserves. The contractual work commitments included the acquisition of 200 km of 2-D seismic data.

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During 2003, the conditions prevailing in the political, economic and social arena in Venezuela prevented the performance of the 2-D seismic works in the Tinaco area. These works will be completed throughout the first half of 2004. Depending on the seismic results obtained, an exploratory well may be drilled in 2005.

If gas reserves are commercialized in the future, we will be required to pay 23.21% in royalties.

In connection with the joint future gas production of both blocks, we negotiated the conversion of the San Carlos contract into a contract with similar conditions as those appearing in the Tinaco contract.

In October 2002, we subscribed to an association agreement, which we refer to as the Transfer of Interest Agreements, with Teikoku Oil Co. Ltd., or Teikoku, whereby we transferred 50% of our rights and obligations in and to gas production in San Carlos and Tinaco exploratory areas.

The Transfer of Interest Agreement, which is subject to approval by the Venezuelan Ministry of Energy and Mines, provides for an initial cash payment of U.S.\$1 million and a subsequent payment of U.S.\$2 million for the financing of the exploratory investment program in the Tinaco area in relation to geological studies, 2-D seismic shooting and 2-D seismic evaluation and interpretation. Furthermore, in the event a joint commercial development in this area is agreed upon, we will receive a supplementary payment in the amount of U.S.\$3 million.

*Ecuador*

In Ecuador, we hold a 100% interest in Block 31. In 1996, Petroecuador called the Eighth Round of International Bids for the performance of exploration and production activities in the Amazon Region, and we were awarded Block 31. This block is located in a highly sensitive ecological area of the Amazon jungle in the central part of the eastern border of the upper Amazon basin and covers an area of 494 thousand net acres.

For the full development of the block, we estimate that approximately U.S.\$800 million in investments will be required. Initial investments in the amount of approximately U.S.\$150 million are necessary prior to the production phase. Changes in our investment scenario following the Argentine crisis have resulted in significant delays to our original investment plan for the area's development.

Under the concession contract, the exploration program is divided into two phases, with the first phase having expired in July 2001 and the second in June 2003. To fulfill the committed work program, 1,200 km of 2-D seismic lines were acquired and three exploratory wells were drilled.

We have conducted the following works in Block 31: 1,382 km of 2-D seismic, 167 km<sup>2</sup> of 3-D seismic, and the drilling of four exploratory wells in Apaika, Nenke, Obe and Minta. All the wells were successful and led to the discovery of the Apaika/Nenke, Obe, and Minta fields. Interpretation of 600 km of 2-D seismic acquired in the eastern and northeastern areas of the block was also performed. The 3-D seismic cube (167 km<sup>2</sup>) was reprocessed to ensure better adjustment to 2-D seismic. In March 2004, the Minister of Energy of Ecuador approved an environmental impact study, completing all of the required steps for the approval of the development plan. Following approval of the environmental study, a twenty-year exploitation period has begun, during which, in the initial three-year period, the plan contemplates investments of U.S.\$75 million. We are obligated to give Petroecuador a guaranty of 20% of this amount.

According to the block's production sharing agreement, Petroecuador is entitled to a crude oil production take of about 15% to 17%, depending on the field's daily crude oil production and crude oil gravity. The Block 31 concession provides for the free availability of crude oil.

Future oil production in Block 31 will be shipped through a heavy crude oil pipeline known as Oleoducto de Crudo Pesados in which we currently have an 11.42% interest. We have entered into a 15-year ship or pay transportation contract under which OCP has committed to provide us with a shipping capacity of 80,000 barrels per day. OCP started commercial operations on November 10, 2003 and since that date, we have had to comply with our contractual obligations with respect to our committed acquired capacity by paying a transportation capacity fee. We currently estimate that during the contract's term, oil production will be lower than our committed transportation capacity. Accordingly, as of December 31, 2003, we have recorded an impairment allowance of P\$321 to adjust the book value of our group of assets in Ecuador to its recoverable value. See Item 3. Key Information Risk Factors Factor Relating to Us Production of oil in Block 31 in

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Ecuador is significantly delayed, and this delay has and will continue to affect our results. Further delays could result in an increase in our operating losses related to our group of assets in Ecuador.

As a way of maximizing the value of this asset and enhancing its potential, we are considering a number of alternatives, including the addition of a new partner who could speed up the development of the block or a potential sale of all or a portion of our interest in Block 31. A transaction involving a sale of all or part of our interest in Block 31 may likely involve a sale or other disposition of all or a portion of our interests in Block 18 and in OCP.

### *Peru*

In 1998, Petrobras Energía entered into exploration agreements for Lote XVI, in which it has a 100% interest. Exploratory investments were first made in this block in 1999, with the shooting of 50 km<sup>2</sup> of 3-D seismic lines. During 2002, interpretation of the block geology was concluded and a location was selected for the drilling of an exploration well in 2003. Due to the disappointing results of the exploration, in May 2003, we decided not to proceed to the next phase.

In the Ucayali basin, two blocks were awarded to a consortium formed by Petrobras Energía and Repsol-YPF S.A., the latter being the operator of both blocks. Seven-year exploration contracts were signed in September 1998 for Lote 34 and in November 1998 for Lote 35. We had a 40% interest in Lote 34 and a 35.15% interest in Lote 35. Both contracts provide for an initial two-year exploration phase, each with a commitment of 500 km 2-D seismic line acquisition and the reprocessing of 1,000 km of existing 2-D seismic data. The subsequent five one-year exploration periods are optional, and each period requires the drilling of an exploration well or compensatory exploratory seismic. The wildcat Mashansha 35-13-IX in the Lote 35 was drilled in 2002. The well resulted in a dry hole with sparse oil shows. In 2003, after a thorough evaluation of the well results and the impact on the additional exploration objectives, it was decided not to continue in both blocks due to the limited remaining exploration potential.

In 2001, we executed a concession contract for hydrocarbon exploration and production in Lote 99, a block located in the Ucayali basin. We hold a 100% interest in Lote 99. The concession program requires a minimum exploration program of seven years divided into five periods. Exploration during the first 18-month period included geological surveys and the reprocessing and reinterpretation of 900 km<sup>2</sup> of seismic data. In 2003, after evaluating the exploration results, we decided not to proceed to the next stage.

In May 2004, we entered into a contract with Repsol Exploración Perú S.A. to perform certain exploration activities jointly in Lot 57. Petrobras Energía has an option to participate in Lot 57 by acquiring a 35.15% interest from Repsol, which currently holds a 76.15% interest in Lot 57. Burlington Resources Perú Ltd. is Repsol's partner in the shared risk agreement with Perupetro for the exploration and exploitation of hydrocarbons in Lot 57.

In the Lote 63 area, the survey period has concluded and an exploration contract will be negotiated with Perupetro.

## **Reserves**

We believe our estimates of remaining proved recoverable oil and gas reserve volumes to be reasonable. These estimates have been prepared in accordance with Rule 4-10 of Regulation S-X under the U.S. Securities Act. Gaffney, Cline & Associates, Inc., an international technical and management advisory firm for the oil and gas industry, audited our oil and gas reserves as of December 31, 2003, 2002 and 2001.

The estimated reserves were subjected to economic tests to determine economic limits. These estimated reserves in Argentina, Peru and Bolivia are stated prior to the payment of any royalties, as they have the same attributes as taxes on production and, therefore, are treated as operating costs. In Ecuador, due to the type of contract in which the

government has the right to a percentage of production and takes it in kind, reserves are stated after such percentage. In Venezuela, the government maintains full ownership of all hydrocarbons in such areas. Reserve volumes in Venezuela are computed by multiplying our percentage interest by the gross proved recoverable volumes for the contract area. In Venezuela, for the Acema, Mata and La Concepción areas, 30% royalties are paid, calculated based on the crude wellhead estimated price. Under contractual terms the Third Round Block s royalties

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are deducted from the sales price. Pursuant to operating agreements in force, we are exempt from production royalty payments in the Oritupano Leona field.

As of December 31, 2003, liquid hydrocarbon and natural gas proved reserves, audited by Gaffney, Cline & Associates, Inc., amounted to 758.1 million barrels of oil equivalent (569.1 million barrels of oil and 1,134.8 billion cubic feet of natural gas, representing a 6.7% decline compared to the reserves certified as of December 31, 2002 (a decline of 4.2% for liquid hydrocarbons and 13.6% for natural gas)).

As of December 2003, total proved reserves represented, at 2003 oil and gas production levels, a 13.1-year production.

During the 2002-2003 period, after the change in the investment scenario for our businesses following the Argentine crisis, we focused on maintaining adequate liquidity levels and cash generation, and this focus affected our reserve replacement strategy. Production of proved undeveloped reserves was prioritized relative to prior years, with a reduced emphasis on exploration and acquisition activities, which had historically been a major source of reserve replacement. This had a negative impact on the addition of reserves.

Therefore, during 2003 the reserve replacement ratio was 33%, reflecting production of 57.9 million barrels of oil equivalent which was partially offset by a net addition of 19.3 million barrels of oil equivalent, as reflected below:

Secondary recovery projects that added 26.7 million barrels of oil equivalent.

Extensions of known accumulations and discoveries that added 33 million barrels of oil equivalent reflecting good results from drilling and recovery.

Technical reviews, based on the performance of the different fields and the projects implemented during 2003, resulted in reductions of previous estimates by 40.4 million barrels of oil equivalent at fields where secondary recovery operations were performed.

In addition, in 2003, the sale of the Catriel Oeste and Faro Vírgenes areas in Argentina reduced our reserves by 15.9 million barrels of oil equivalent.

Liquid hydrocarbons and natural gas account for 75.1% and 24.9%, respectively, of total proved reserves, and 59.9% are located outside of Argentina. Proved reserves outside Argentina increased as a percentage of proved reserves. This increase reflects principally lower investments in gas projects in Argentina, which were scaled back in light of low domestic prices, with a consequent reduction in additions from recoveries, extensions and discoveries.



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The table below sets forth, by geographic area, total proved reserves and proved developed reserves of crude oil, condensate and natural gas liquids and natural gas reserves at the indicated dates.

	<b>Crude oil, condensate and natural gas liquids in thousands of barrels</b>			<b>Natural gas in millions of cubic feet</b>			<b>Combined MMBOE<sup>(1)</sup></b>
	<b>Argentina</b>	<b>Outside of Argentina</b>	<b>Total</b>	<b>Argentina</b>	<b>Outside of Argentina</b>	<b>Total</b>	
Total proved reserves as of December 31, 2001	237,280	501,892	739,172	1,129,486	495,053	1,624,539	1,009.9
Proved developed reserves as of December 31, 2001	151,924	203,808	355,732	561,834	290,638	852,472	497.8
Increase (decrease) originated in:							
Revisions of previous estimates	(14,868)	(113,425)	(128,293)	(258,150)	(123,594)	(381,744)	(191.9)
Improved recovery	4,195	3,510	7,705	76,371	9,687	86,058	22.0
Extensions and discoveries	6,938	10,057	16,995	88,265	10,662	98,927	33.5
Purchase of proved reserves in place	516		516				0.5
Sale of proved reserves in place							
Year's production	(20,719)	(21,498)	(42,217)	(92,184)	(22,352)	(114,536)	(61.3)
Total proved reserves as of December 31, 2002	213,342	380,536	593,878	943,788	369,456	1,313,244	812.7
Proved developed reserves as of December 31, 2002	146,319	177,876	324,195	554,104	209,854	763,958	451.5
Increase (decrease) originated in:							
Revisions of previous estimates	(19,026)	(3,278)	(22,304)	(131,964)	23,110	(108,854)	(40.4)
Improved recovery	10,082	15,392	25,474		7,261	7,261	26.7
Extensions and discoveries	3,258	18,303	21,561	61,370	7,571	68,941	33.0
Purchase of proved reserves in place							
Sale of proved reserves in place	(7,707)		(7,707)	(49,450)		(49,450)	(15.9)
Year's production	(21,097)	(20,743)	(41,840)	(73,825)	(22,517)	(96,342)	(57.9)
Total proved reserves as of December 31, 2003	178,852	390,210	569,062	749,919	384,881	1,134,800	758.2
Proved developed reserves as of	122,085	169,925	292,010	455,465	207,144	662,609	402.4

December 31, 2003

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(1) Millions of barrels of oil equivalent.

There are many uncertainties in estimating quantities of proved reserves and in projecting future rates of production and the timing of development expenditures, including certain factors that are beyond our control. The reserve data set forth in this annual report solely represents estimates of our proved oil and gas reserves. Reserve engineering is a subjective process of estimating underground accumulations of crude oil and natural gas that cannot be precisely measured. The accuracy of a reserve estimate stems from available data, engineering and geological interpretation and judgment of reserves and reservoir engineering. As a result, different engineers often obtain different estimates. In addition, results of drilling, testing and production subsequent to the date of an estimate may justify revision of such estimate, so the reserve estimates at a specific time are often different from the quantities of oil and gas that are ultimately recovered. Furthermore, estimates of future net revenues from our proved reserves and the present value thereof are based upon assumptions about future production levels, prices and costs that may not prove to be correct over time. Forecasts of future prices, costs and production levels are subject to great uncertainty and may not prove to be correct over time. The meaningfulness of such estimates is highly dependent upon the accuracy of the assumptions upon which they are based. Accordingly, we cannot assure that any specified production levels will be reached or that any cash flow arising therefrom will be produced. The actual quantity of our reserves and future net cash flows therefrom may be materially different from the estimates set forth in this annual report.

We replace our reserves through the acquisition of new producing fields, new exploration of our existing fields, the exploration of new fields, and by proving up reserves in existing fields. Proving up is the process by which additional reserves classified as probable and possible reserves in a producing field are accessed and reclassified as proved reserves. We prove up reserves with reservoir management techniques by implementing waterflood and enhanced oil recovery projects. Reservoir management techniques currently used include water injection and drilling of horizontal wells, including producing and injection wells. In addition, technologies such as 3-D seismic process, horizontal and step out wells, underbalance drilling and reservoir numerical stimulation are also used.

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### **Transportation and Sales**

In Argentina, we transport our oil and gas production in several ways depending on the infrastructure availability and the cost efficiency of the transportation system in a given location. We use the Argentine oil pipeline system and oil tankers to transport oil to customers. Oil is customarily sold through FOB contracts, and therefore, producers are responsible for transporting oil produced from the field to a port for shipping, with all costs and risks associated with transportation borne by the producer. Gas, however, is sold at the delivery point of the gas pipeline system near the field, and, therefore, the customer bears the total transportation costs and all risks associated therewith. Oil and gas transportation in Argentina operates in an open access non-discriminatory environment under which producers have equal and open access to the transportation pipelines. The privatization of the pipeline system has led to capital investments in the systems, which have increased their capacity. For the foreseeable future, our oil and gas production is not expected to require increased capacity. In addition, we maintain limited storage capacity at each oil site and at the terminals from which oil is shipped. In the past, these capacities have been sufficient to store oil without reducing current production during temporary unavailability of the pipeline systems, due, for example, to maintenance requirements or temporary emergencies.

With respect to production from Block 18 in Ecuador, oil is transported by a system which has a current transportation capacity of 17,000 barrels per day. This capacity will be increased to 40,000 barrels per day. Once the Palo Azul field has been completely developed, a 12-inch diameter and 35 km long oil pipeline will be constructed from the oil treatment plant to Lago Agrio to transport production through the OCP or the Sistema de Oleoducto Transecuatoriano in accordance with the commercial circumstances prevailing at that time.

Future oil production from Block 31 will be transported through the OCP. With respect to future oil production from Blocks 18 and 31, we have entered into an agreement with OCP to ensure an 80,000 barrels per day oil transportation capacity. See [Business Overview Hydrocarbon Marketing and Transportation OCP](#).

During the fiscal year ended December 31, 2003, our main customers were PDVSA, Perupetro, Repsol-YPF S.A., Trading y Transporte S.A., and Glencore AG, which accounted for approximately 11%, 7%, 5% and 4%, respectively, of total consolidated oil and gas sales, calculated on an unhedged basis. Intercompany sales, mainly to the refining business segment, accounted for 34%.

We sell a significant volume of our oil production to export markets. In the current Argentine scenario, we, as well as other Argentine energy companies, have sought to optimize export opportunities with a view to capitalizing on domestic and export price asymmetries by effectively encouraging the opening and consolidation of new markets. In such respect, during the first quarter of 2003, we started exporting gas to Chile from the Austral basin.

During 2003, oil and gas exports totaled approximately P\$474 million or 16% of total consolidated oil and gas sales (calculated on an unhedged basis). In 2003, exports sales were made principally to Chile.

### **Competition**

Our oil and gas related businesses are subject to oil price fluctuations determined by international market conditions. In executing our strategy to expand our oil and gas operations both in and outside of Argentina, we face competition from oil and gas producers throughout the world.

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**HYDROCARBON MARKETING AND TRANSPORTATION**

The hydrocarbon marketing and transportation segment serves to link our energy businesses.

In the marketing business, we provide oil, gas and LPG brokerage services to producing companies who prefer outsourcing oil, gas and LPG sales. This business enables us to position ourselves as a major commercial service provider since it assists clients not only in sales but also in logistics, foreign trade and market knowledge.

We are engaged in the hydrocarbon transportation business through our interest in TGS, Oleoductos del Valle S.A., or Oldelval, and OCP.

*Gas Transportation TGS*

We hold, directly or indirectly, a 35% interest in TGS. TGS is controlled by CIESA, which, together with other companies of the Petrobras Energía group and the Enron group, own 70% of TGS capital stock. CIESA, in turn, is owned on a 50/50 basis by Enron Corporation, or Enron, and us.

An ownership committee composed of an equal number of our representatives and those of Enron manages the activities of TGS and CIESA. We appoint the chairman of the board and the chief executive officer of both TGS and CIESA. TGS and Enron have entered into a technical services agreement under which TGS pays Enron an annual fee equal to the greater of (i) P\$3 million or (ii) 7% of the amount obtained after subtracting P\$3 million from the net income before financial income (expense) and income taxes. We share in these management fees through an agreement with Enron in which we are reimbursed for any costs associated with any service provided by TGS on behalf of Enron and a percentage of the exploitation income. In June 2004, the Federal Entity of Gas Regulation, or ENARGAS, authorized the assignment by Enron of its duties under this agreement to us. Both Enron and we have a right of first refusal on the transfer of CIESA's shares, and preferential rights to any shares issued by CIESA.

Pursuant to the regulatory framework, gas transportation and distribution rates were established under the Natural Gas Law and the Concession Contract, which provide the methodology of calculation and adjustment frequency of natural gas rates charged to end users by distribution companies. As a result of the reforms implemented under the Public Emergency Law, which, among other things, provided for the conversion into pesos of utility rates and the elimination of indexation of such rates, the gas transportation business currently operates in an uncertain environment. See Regulation of Our Businesses.

As a result of this abrupt change in rules, CIESA failed to repay corporate notes with a principal amount of U.S.\$220 million and derivative instruments of approximately U.S.\$2 million. In addition, TGS is seeking to restructure substantially all of its financial debt and is currently in discussions with its principal creditors. See Item 3. Key Information Risk Factors The devaluation and pesification of utility rates have resulted in payment defaults by some of our affiliates.

In April 2004, CIESA's shareholders reached a mutual settlement agreement by which Petrobras Energía and Enron agreed to release each other from all claims related to their investments in CIESA and TGS. In addition, in order to facilitate a future restructuring of CIESA's financial debt, both parties agreed to a two-stage transfer involving their equity interests in TGS and CIESA. In stage one, we will transfer our 7.35% direct interest in TGS to Enron, and, in stage two, CIESA will transfer a 4.3% interest in TGS to Enron. In exchange, Enron will place its shares of CIESA in trust, 40% in stage one and the remaining 10% in stage two. We will not hold directly or indirectly more than our current 50% shareholding in CIESA. These transfers are subject to several conditions, one of which is approval by ENARGAS. In May 2004, the bankruptcy court with jurisdiction over Enron also approved the terms of this settlement agreement. CIESA initiated discussions with its creditors regarding a possible restructuring.

As far as the regulated segment is concerned, TGS is the gas transportation licensee in the south of Argentina. TGS has an exclusive license due to expire in 2027 with an option to extend for ten additional years if certain conditions are met, and as such is the largest transporter of natural gas in Argentina and all of Latin America. TGS currently delivers approximately 60% of the country's total gas consumption through more than 7,400 km of gas pipelines with a transportation capacity of approximately 62.5 million cubic meters per day, substantially all of

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which is committed under firm transportation contracts. Under these firm transportation contracts, the capacity is reserved and paid for irrespective of the actual use by the customer. Almost all capacity of the gas transportation pipelines in Argentina is currently apportioned among gas distribution companies, large industrial customers and gas-fired power plants under firm long-term contracts. In 2003, TGS renewed firm transportation agreements covering approximately 12.9 million cubic meters per day. This enabled it to extend the total average life of its firm transportation contracts to approximately nine years. In addition, TGS provides interruptible transportation services under which gas transportation is dependent on the availability of capacity.

The TGS pipeline system connects major gas fields in southern and western Argentina with distributors of gas in those areas and in the city of Buenos Aires and the greater Buenos Aires area. The service area includes approximately 4.6 million end users (approximately 3.2 million of which belong to the greater Buenos Aires area), which are directly served by distribution companies. In addition, TGS provides transportation services on a direct basis to major industries located in TGS's operating area. The firm transportation capacity committed to industrial clients represents approximately 20% of TGS's total capacity.

Since the start of operations in 1992, TGS has made investments of about U.S.\$1.2 billion, doubling the value of its assets. As a result of such investment 850 km of gas pipelines were laid in addition to the existing pipelines, and compression power was increased by 58.8% from 339,000 HP in 1992 to 538,220 HP in 2003. Therefore, transportation capacity increased from 42.8 million cubic meters per day to 62.5 million cubic meters per day at the end of 2003.

Gas transportation companies in Argentina operate in an open access non-discriminatory environment under which producers, distributors and certain third parties have equal and open access to the transportation pipelines and distribution system. See Regulation of Our Businesses The Argentine Gas Industry and Regulatory Framework.

As a consequence of the enactment of the Public Emergency Law, revenues from the regulated segment strongly decreased compared to TGS's total revenues. In 2003, the gas transportation segment accounted for 47% of TGS's total revenues compared to 57% in 2002 and to approximately 80% since the start of the service supply until 2001. TGS continues seeking new alternatives aimed at growing its business and mitigating the effects derived from such law. Along these lines, in 2003, TGS entered into an agreement with a consortium producing gas at the Austral basin, formed by Total Austral S.A., Panamerican Sur S.R.L. and Wintershall Energía S.A., for the purpose of providing Argentine natural gas to Methanex, a leading company in the production of methanol located in Chile.

In view of the set of measures taken by the Argentine government aiming to lessen the impact of the energy crisis emerging in 2004, TGS is currently analyzing several alternatives along with the government, with the object to implement the expansion of the San Martín gas pipeline. In furtherance of this goal, TGS launched an Open Season, which offers 2.9 MMm<sup>3</sup>/d of firm transportation capacity in service as from the middle of 2005. In connection with this additional capacity, TGS would not only render the service of transportation but the operation and maintenance of the facilities as well.

In addition to the natural gas transportation regulated service, TGS is one of the leading processors of natural gas and one of the largest marketers of natural gas liquids, or NGL, and provides other unregulated services in the gas industry, through the General Cerri Complex located near Bahía Blanca, in the Province of Buenos Aires. TGS has two gas processing plants at the General Cerri Complex: (i) an ethane, propane, butane and natural gasoline turboexpander separating plant and (ii) an absorption plant which separates propane, butane and gasoline from the gas transported through the TGS pipeline system, with a gas processing capacity of 43 million cubic meters per day and a storage capacity of 54,840 tons. From 2001 to 2002, as a result of the agreements entered into with natural gas producers in the Neuquén basin, TGS managed to restructure the business and became the owner of a portion of the Cerri Complex production. TGS was able to increase, through these agreements, the richness of the gas reaching the

complex for processing, and thus minimized the impact of competitive projects.

The economic crisis during 2002 presented an opportunity for TGS, as 33% of its total NGL production is exported, enabling TGS to benefit from devaluation of the peso. In addition, local market prices increased in order to maintain parity with export prices. The combination of these factors led to an increase in TGS revenues.

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Revenues from unregulated services compared to TGS's total revenues increased from 37% in 2002 to 48% in 2003. This evidences the growing relative significance of this business. This improvement substantially reflects the deterioration of the regulated gas transportation business and favorable domestic market prices in line with international prices.

TGS is an important midstream service provider in Argentina offering commercial and financial structuring, turnkey construction and the operation and maintenance of surface facilities (gathering, conditioning and transportation).

Through the provision of midstream services, TGS provides integral solutions for natural gas supply from the wellhead to transportation, including conditioning, gathering and gas compression, which services are generally provided to producers at the wellhead. Such services also include those related to the construction, operation and maintenance of gas pipelines and treatment plants provided by TGS itself or through its related companies, Gas Link S.A., or LINK, and Transporte y Servicios de Gas en Uruguay S.A., or TSGU. TGS is developing a strategy geared towards becoming one of the main service providers in Argentina. During 2003, TGS completed the renegotiation with this segment's clients of the outstanding midstream services agreements that were still pesified. As a result of this renegotiation, TGS improved the profitability associated with such agreements while its clients secured a long-term supply of services.

TGS has a 49% interest in LINK, a company engaged in the construction, operation and maintenance of the gas pipeline connecting the TGS system and the Cruz del Sur gas pipeline that links Argentina to Uruguay and is likely to be extended to Brazil. This pipeline is approximately 40 km long, has a current transportation capacity of 1 million cubic meters per day and started operations in October 2002.

Under the agreement for the supply of Argentine natural gas to Methanex in Chile, TGS will install a 12,700 HP compressor plant on the General San Martín pipeline, and, through its affiliated company Emprendimientos de Gas del Sur S.A., or EGS, will construct a 6 km long gas pipeline with an initial capacity of 1 million cubic meters per day (with a 1.2 million cubic meters per day extension scheduled for 2009) which will link TGS's main system to the Chilean border. TGS, through its interest in EGS, connects its gas transportation system to the Chilean market. TGS and TSGU have a 49% and a 51% interest in EGS, respectively. In turn, 49% of TSGU's capital stock is owned by TGS.

The following chart shows statistical information relating to TGS's business segments for fiscal years ended December 31, 2003, 2002 and 2001.

	<u>2003</u>	<u>2002</u>	<u>2001</u>
Regulated Segment			
Total available capacity at year end (in MMm <sup>3</sup> /d)	62.5	62.5	62.5
Average firm committed capacity (in MMm <sup>3</sup> /d)	61.7	61.4	60.7
Average daily deliveries (in MMm <sup>3</sup> /d)	52.6	49.4	46.7
Annual load factor	85%	80%	77%
Unregulated Segment			
Liquids total production (in thousand tons)	929.1	908.5	822.3
Processing capacity at year end (in MMm <sup>3</sup> /d)	43.0	43.0	43.0

*Oldelval*



Oldelval, a company in which we have a 23.1% interest, holds the concession for the transportation of crude oil through 888 km-long oil pipelines with 1,706 km of installed piping, between the Neuquén basin and Puerto Rosales (located in the Province of Buenos Aires) for a 35-year period starting in 1993 with an option to renew for ten years. Oldelval's other shareholders are Repsol-YPF, Petrolera San Jorge, Pluspetrol, Pan American and Tecpetrol.

The Allen/Puerto Rosales section transportation capacity is of approximately 265,000 barrels per day, with a 173,000 m<sup>3</sup> storage capacity. In 2003 and 2002, Oldelval transported approximately 65 million and 66 million of oil barrels, respectively, from the Neuquén basin to the Atlantic coast.

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The applicable laws governing the transportation of hydrocarbons through oil pipelines, which are based on the free access notion, assign loading preference quotas to pipeline owners based on their shareholdings. Oil transportation rates are set by the Argentine Secretary of Energy.

### *OCP*

The Government of Ecuador awarded OCP with the construction and operation for a 20-year term of the 503 km long pipeline that runs from the northeastern region of Ecuador to the Balao distribution terminal on the Pacific Ocean coast. As of December 31, 2003, we held an 8.96% interest in OCP. In May 2004, Techint International Construction Corporation, or Tenco, exercised an option to sell to us its shares and subordinated debt in OCP, comprising a 2.46% ownership interest. In accordance with the terms of the option, we paid U.S.\$14 million for Tenco's ownership interests in OCP. Consequently, our interest in OCP increased to 11.42%. OCP's other shareholders are Encana, Perenco, Occidental and Repsol-YPF.

The oil pipeline has a 450,000 barrels per day transportation capacity of which at least 390,000 barrels per day have been committed to OCP shareholders under a ship or pay contract for transportation of their production. Since the oil pipeline runs across ecologically sensitive areas, the pipeline was construed under stringent environmental protection and technical standards.

The construction of the oil pipeline was performed by Techint International Construction Corporation and was completed during 2003. After testing the system at its maximum capacity and the approval by the Ministry of Energy and Mines of Ecuador, the oil pipeline officially started operations on November 10, 2003.

OCP's original budget amounted to U.S.\$1,210 million, U.S.\$900 million of which was funded by banking institutions, U.S.\$250 million of which was funded by subordinated loans from shareholders and U.S.\$60 million through capital contributions. We made contributions in the amount of U.S.\$9 million and were granted a 15% shareholding interest. The total construction cost of the oil pipeline amounted to U.S.\$1.4 billion, which was U.S.\$190 million in excess of the original budget. The need for additional financing was satisfied through loans and capital contributions by shareholders in the amount of U.S.\$150 million and U.S.\$40 million, respectively. We did not make any such contributions and our equity interest was diluted from 15% to 8.96%.

Regarding future production from Blocks 18 and 31 in Ecuador, we, through Petrobras Energía Ecuador, entered into the ship or pay contract with OCP, whereby OCP has committed to transport 80,000 barrels per day for a 15-year term, as from the start of its operations. We, as well as the remaining producers, must pay transportation capacity fee.

## **Competition**

TGS's gas transportation business, which provides an essential service in Argentina, faces only limited direct competition. In view of the characteristics of the markets in which TGS operates, it would be very difficult for a new entrant in the transportation market to pose a significant competitive threat to TGS, at least in the short to medium term. In the longer term, the ability of new entrants to successfully penetrate TGS's market would depend upon a favorable regulatory environment, an increasing and unsatisfied demand for gas by end users, and sufficient investment in gas transportation to accommodate increased delivery capacity from the transportation systems.

On a day-to-day basis, TGS competes, to a limited extent, with Transportadora de Gas del Norte S.A. for interruptible transportation services and for new firm transportation services made available as a result of expansion projects from the Neuquén basin to the greater Buenos Aires area. Interruptible transportation services accounted for only 4.5% of TGS's regulated net revenues for 2003. The relative volumes of such services will depend principally upon the specific arrangements between buyers and sellers of gas in such areas, the perceived quality of services

offered by the competing companies, and the applicable rate for each company.

With respect to NGL processing activities, TGS competes with MEGA S.A., which owns a gas processing plant at the Neuquén basin and has a processing capacity of approximately 36 million cubic meters per day. Early in 2001, operations at this processing complex began and the gas from this basin reached TGS Cerri Complex with a low liquid content. In order to mitigate this effect, TGS increased the rich gas contribution to the system under agreements subscribed with gas producers at the Neuquén Basin and was able to restore NGL production levels at

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Cerri Complex to levels similar to those recorded prior to the start of MEGA S.A. operations. In addition, a third of this production is marketed abroad and domestic market prices were increased to reach, in terms of U.S. dollars, parity with dollar-based export prices. Our controlling company, Petrobras, has a 34% interest in MEGA S.A. MEGA S.A.'s other shareholders are Repsol-YPF (38%) and Dow Chemical (28%).

## **REFINING**

Our presence in the refining business moves us toward vertical integration of our operations. The refining business is a tool that enables us to capitalize on our significant hydrocarbon reserves. Refining operations are a necessary link in the business value chain, which starts with crude oil exploration and ends with customer service. Our refining segment offers the most immediate prospects of further developing and taking advantage of business opportunities jointly with Petrobras, and some opportunities have already begun to materialize for us.

Our refining operations are located in Argentina and Bolivia. In Argentina, we operate our own refinery in San Lorenzo and have a 28.5% interest in Refinería del Norte S.A., which we refer to as Refinor. In Bolivia, as of December 31, 2003, we had a 49% interest in Empresa Boliviana de Refinación, which we refer to as EBR.

### *The Refining Business in Argentina*

During recent years, the Argentine liquid fuel market was adversely affected by the growth of CNG as substitute fuel. The high taxes imposed on gasoline and, to a lesser extent, on diesel consumption, still affect the market, encouraging the use of CNG to the detriment of liquid fuels. Thus, the gasoline domestic market shrank 10% in 2003 in line with the downward trend of the previous eight years. The drop in the demand for gasoline totaled approximately 48% in the 1995-2003 period. Our share of the gasoline market has climbed to 3.1% from 2.9%.

Demand for diesel grew 4% in 2003, the first a recovery after a four-year decline, halting a prolonged downward trend in the market which had resulted in a 14% drop from 1999-2002.

### *Refining Division*

We operate a refinery in San Lorenzo, Province of Santa Fé, strategically located along the central product distribution systems. The refinery capacity is approximately 37,700 barrels of oil per day, enabling us to process a large part of our crude oil production in Argentina.

The refinery has three atmospheric distillation units, two vacuum distillation units, a heavy diesel oil thermal cracking unit and an aircraft fuel production unit, which produce the following products: premium and regular gasoline, jet fuel, diesel oil, fuel oil, kerosene, solvents, aromatics and asphalts.

The refinery has two fuel storage and dispatch plants located in the Provinces of Santa Fe and Buenos Aires, respectively. At our Dock Sud facilities, in the Province of Buenos Aires, crude oil is received, stored and dispatched. The Dock Sud facility has a total storage capacity of 60,000m<sup>3</sup>. Crude oil is received from the oil pipeline connecting Bahía Blanca with Dock Sud and is dispatched to tankers transporting the oil to the San Lorenzo refinery. In addition, the San Lorenzo refinery located on the right bank of the Paraná River, with access from the so-called hydroway forming part of the Océano-Santa Fé trunk navigation route, has three docks for 250 meter-long vessels having 70,000 ton displacement.

As of December 31, 2003, we had a commercial network of 119 retail outlets, including 84 gas stations (eight directly operated by us), 20 diesel centers, six mobile diesel centers and nine agro-service centers, located in the Provinces of Santa Fé, Buenos Aires, Entre Ríos, Corrientes, Santiago del Estero, Tucumán, San Juan, San Luis,

Catamarca, Chaco, Formosa, Salta, Mendoza and Córdoba. In line with our business integration strategy, we continue to expand our own retail network following a medium-term plan aimed at selling the largest volume of fuels produced by us. In order to reposition the gas station network and to leverage the synergies with our controlling shareholder, during 2003 we agreed to use the Petrobras brand name in seven gas stations that we own. Over the last few years, Petrobras has built an excellent image for its brands, products, and services in Argentina, currently competing with the image of the leading companies in the country. Negotiations continue over a long-term agreement for the use of the Petrobras brand in all our retail network.

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In addition, we subscribed to an agreement to market Lubrax lubricants in our gas station network. These lubricants manufactured by Petrobras attained a 8.5% share of the domestic market in a relatively short period of time and experienced the highest growth rate among lubricants in 2003. The technical, commercial and advertising efforts Petrobras is making for the development of the Lubrax brand give considerable support to our sales growth in this business.

The following table shows production and sales figures for the Refining Division for the fiscal years ended December 31, 2003, 2002 and 2001:

	<b>Year Ended December 31,</b>		
	<b>2003</b>	<b>2002</b>	<b>2001</b>
	<hr/>	<hr/>	<hr/>
Production (thousands of tons)			
Virgin naphtha	417	325	324
Diesel oil	613	499	522
Other products	619	507	527
Sales (thousands of tons/m3)			
Aromatics (thousands of tons)	56	67	65
Benzene (thousands of tons)	50	44	45
Gasoline (thousand m3)	119	123	126
Diesel oil (thousand m3)	883	622	743
Other medium distillates (thousand m3)	11	13	24
Asphalts (thousands of tons)	86	43	79
Reformer plant products (thousands of tons)	79	65	69
Other heavy products (thousands of tons)	418	374	266
Paraffins (thousands of tons)	151	138	97
Sales (in millions of pesos)			
Argentina	956	636	702
Outside of Argentina	346	372	86
	<hr/>	<hr/>	<hr/>
Total	1,302	1,008	788
	<hr/>	<hr/>	<hr/>

During 2003 our refinery processed an average of 32.6 thousand barrels per day. Crude oil volumes processed accounted for about 86% of the refining capacity.

During 2003, 210,000 cubic meters of diesel oil were sold to EG3 S.A., which we refer to as EG3, a company controlled by Petrobras, which caused an increase in crude oil processing at our San Lorenzo refinery to levels much higher than those recorded over the last few years and on profitable terms for us. This was possible because EG3 had been forced to import diesel oil since its production capacity at the Bahía Blanca Refinery is insufficient to supply its extensive retail outlet network. Since our diesel oil production at San Lorenzo exceeds the demand from our gas station network, significant volumes were exported to other countries in the region. Therefore, attractive long-term business opportunities may exist for both companies.

As of December 31, 2003, considering statistical data for the last month, we had a market share of approximately 3.1% in the gasoline market, 4.6% in the diesel oil market, 23.6% in the asphalt market and 15.1% in the fuel oil

market. In addition, our share in the gas oil bunker (intermediate fuel oil) market totaled 23.2%.

*Refinor*

We have a 28.5% interest in Refinor. Refinor's other two shareholders are Repsol-YPF (50%) and Pluspetrol Exploración y Producción S.A. (21.5%).

Refinor owns the only refinery located in Campo Durán, Province of Salta, in the northern region of Argentina. Refinor's refining capacity is 26,000 barrels of oil per day and its natural gas processing capacity is 19 million cubic meters per day. Refinor receives crude oil and natural gas from the oil and gas fields located at the northwestern region of Argentina and Bolivia. It has an atmospheric distillation unit, a vacuum distillation unit, a catalytic reformer plant, two turboexpander plants and a compressor plant. Refinor produces diesel oil, fuel oil,

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motor gasoline, virgin naphtha, propane, butane, raw gasoline and LPG. It is the leaching LPG producer based on volume produced in the northern region of Argentina and the third largest producer in the country. In May 2003, a gathering and compression system that takes enriched gas from the Chango Norte field began operations. This system required an investment of approximately U.S.\$13 million.

As of December 31, 2003, Refinor had a commercial network comprising 65 gas stations (14 owned by Refinor) located in the Provinces of Salta, Tucumán, Jujuy, Córdoba, Santiago del Estero, Catamarca and Chaco and started developing the commercial network in Bolivia, where it has five gas stations under its brand and two more under development. For logistics and distribution purposes, Refinor operates a 1,112 km poliduct that extends from our compression station in Campo Durán (Salta) to Montecristo (Córdoba). Along the pipeline, layout product recompression stations are located at Urundel (Salta), Lavallén (Jujuy), Cobos and Piedras (Salta) and Quilino (Córdoba). The pipeline supplies the following dispatch plants:

General Mosconi (Salta), with a 9,908 m<sup>3</sup> storage capacity (fuels);

General Güemes (Salta), with a 1,800 m<sup>3</sup> storage capacity (liquefied gas), and which started operations in 2003 replacing the old Tres Cerritos dispatch plant;

Banda del Río Salí (Tucumán), with a 57,508 m<sup>3</sup> storage capacity (fuels); and

Leales (Tucumán), with a 5,054 m<sup>3</sup> storage capacity (liquefied gas).

In addition, the poliduct discharges a large volume of product, petrochemical gasoline and liquefied gas at the Terminal Station located at Montecristo (Córdoba), and such products are then dispatched in the area or sent to San Lorenzo, Province of Santa Fé.

In 2003, Refinor commenced the commercialization of LPG in bulk, with 1,150 tons/year.

The following table sets forth Refinor's sales and production for the fiscal years ended December 31, 2003, 2002 and 2001:

	<b>Year ended December 31,</b>		
	<b>2003</b>	<b>2002</b>	<b>2001</b>
Production (thousands of tons/m <sup>3</sup> )			
Gasoline (thousand m <sup>3</sup> )	122	121	125
Virgin naphtha (thousand m <sup>3</sup> )	420	473	514
Diesel oil (thousand m <sup>3</sup> )	330	335	368
Natural gasoline (thousand m <sup>3</sup> )	129	134	137
Propane/butane (thousand tons)	313	287	241
Other products (thousand m <sup>3</sup> )	138	100	75
Sales (thousands of tons/m <sup>3</sup> )			
Gasoline (thousand m <sup>3</sup> )	121	122	139
Virgin naphtha (thousand m <sup>3</sup> )	550	611	619
Diesel oil (thousand m <sup>3</sup> )	378	374	368
Propane/butane (thousand tons)	297	274	239
Other products (thousand m <sup>3</sup> )	97	103	75



Sales (in millions of pesos)			
Argentina	490	428	350
Outside of Argentina	373	412	241
	<u>          </u>	<u>          </u>	<u>          </u>
Total	863	840	591
	<u>          </u>	<u>          </u>	<u>          </u>

In 2003, Refinor's sales through its service centers had a share in the motor gasoline and diesel oil markets in the northwest of Argentina of 25% and 18.2%, respectively. In addition, Refinor reached a 55% share in the diesel oil import market in Bolivia.

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*Empresa Boliviana de Refinación*

We have a 49% interest in Empresa Boliviana de Refinación, or EBR. Petrobras is its strategic partner, with a 51% interest.

EBR owns two Bolivian refineries located in Cochabamba and Santa Cruz de la Sierra, with an estimated maximum production capacity of 48,000 barrels of oil per day, accounting for 95% of Bolivia's total refining capacity. In 2003, an average of 32,600 barrels per day were processed.

EBR wholly owns Empresa Boliviana de Distribución, or EBD, a company having a commercial network of 81 gas stations, six of which were incorporated during the last fiscal year. In 2003, EBD continued implementing the Integrated Gas Stations concept in Bolivia, by offering supplemental products, while focusing on first-class customer services, product quality and quantity.

**Competition**

We compete in Argentina with Repsol-YPF, Shell and Esso, who combined have a predominant share in this market.

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**PETROCHEMICALS**

*Overview*

Our strategy in this segment is to optimize the oil-refined products-polymer chain. The petrochemicals business is an integral part in our strategy of vertically integrating our operations by taking advantage of operating synergies and positioning us as a low-cost producer of hydrocarbons, thereby allowing us to reap the benefits of our significant hydrocarbon reserves.

Our petrochemical operations are performed in Argentina and Brazil, through the production of a wide array of products, such as styrene, polystyrene, synthetic rubber, fertilizers and polypropylene, both for the domestic and export markets.

We are the only producer of styrene monomer, polystyrene and elastomers in Argentina and the only integrated producer from oil and natural gas to plastic products (such as bioriented polystyrene sheets) or the production of fertilizers.

Through Innova, our wholly owned subsidiary in Brazil, we have the region's largest installed capacity for the production of styrene and polystyrene, with the benefit of providing service to clients from both locations.

In Argentina, we supply more than one-third of the Argentine fertilizer market with a wide array of specific solutions and are the only liquid fertilizer producer in the region.

We also have a 40% interest in Petroquímica Cuyo S.A., which accounts for a portion of our petrochemical operations.

*Argentine Operations*

*Argentine Styrenics Division*

The Styrenics Division has a plant at Puerto General San Martín, Province of Santa Fé, with a production capacity of 110,000 tons of styrene per year and 55,000 tons of synthetic rubber per year, and a plant at Zárate, Province of Buenos Aires, with a production capacity of 66,000 tons of polystyrene per year and 14,000 tons of bioriented polystyrene per year. This state-of-the-art plant in Zárate is the only one of its type in Latin America.

As part of our efforts to achieve full integration, we use a large amount of styrene for the production of polystyrene and synthetic rubber.

In March of 2004, we acquired from Imperial Chemical Industries an ethylene plant which is located in San Lorenzo and has a production capacity of 18,000 tons per year. The increased production capacity of ethylene will allow us to increase our production of ethylbenzene and to take advantage of the spare capacity of the plant. This, in turn, will allow Innova to increase production of styrene and operate at full capacity.

Our greater production of styrene monomers will enable us to meet the growing demand in the region.

As of December 31, 2003, our estimated share in the domestic market was: styrene 100%, polystyrene 70%, styrene butadiene rubber, or SBR, combined with the market for nitrite butadiene rubber, or NBR, approximately 90%.

Exports are a significant part of our business. Recent changes in trade policy have helped us to consolidate our position in foreign markets, especially in Mercosur and in Chile. In 2003, we exported 47%, 61% and 45% of our total sales volumes of styrene, rubber and polystyrene, respectively. With respect to styrene, our position in the Chilean market was further consolidated, and we were able to maintain a leading position in the Mercosur region, considering market shares both in Argentina and Brazil through Innova. In addition, a record was set for the export of bioriented polystyrene (8 thousand tons), the main destinations being the European and United States markets. SBR export volumes were in line with 2002 volumes, consolidating our presence in the Brazilian market.

**Table of Contents***Fertilizers Division*

We are pioneers in the production and distribution of fertilizers in Argentina. As leader in the market, we developed a new liquid product line during recent years with wide acceptance among agricultural producers.

The Fertilizers Division has a plant located at Campana, Province of Buenos Aires, with a production capacity of 190,000 tons/year of urea. In 2003, we doubled the installed production capacity of UAN, our liquid fertilizer (a composition of urea and ammonium nitrate) to 475,000 ton/year. We are the only producer of liquid fertilizer in Latin America. Liquid storage capacity has been increased to 40,000 tons, which together with an automatic and computerized loading facility, has allowed us to manage the growth in liquids production.

During 2003, we started the construction of a 130,000 ton/year thiosulfate fertilizer plant, which required investments of approximately U.S.\$8 million. Thiosulfate fertilizer has been designed to incorporate nitrogen for wheat and corn and sulfur for soybean, with great success in pre-marketing.

We have 700 customers throughout Argentina, and 130 are distributors with their own storage facility centers, complementing our warehouses and assistance centers in Buenos Aires, Santa Fé, Mendoza and Tucumán provinces.

The following table sets forth production and sales by major product for both the Styrenics and Fertilizers Divisions for the fiscal years ended December 31, 2003, 2002 and 2001:

	<b>Year ended December 31,</b>		
	<b>2003</b>	<b>2002</b>	<b>2001</b>
Production (thousands of tons)			
Styrene <sup>(1)</sup>	106	98	95
Synthetic rubber <sup>(2)</sup>	56	51	47
Urea	193	190	180
UAN	184	145	110
Polystyrene	57	61	62
Bops	11	6	6
Sales (in millions of pesos)			
Styrene <sup>(1)</sup>	124	100	63
Synthetic rubber <sup>(2)</sup>	161	138	94
Fertilizers	304	259	228
Polystyrene and Bops <sup>(3)</sup>	180	170	120
Other products and services	23	26	16
	<hr/>	<hr/>	<hr/>
Total	792	693	521
	<hr/>	<hr/>	<hr/>
Export Sales (in millions of pesos)	260	223	106

(1) Including styrene monomer and by-products.

- (2) Including SBR, NBR and butadiene.
- (3) Net of 5, 25 and 9 intercompany eliminations.

*Petroquímica Cuyo*

Petroquímica Cuyo S.A., which we refer to as Cuyo, is primarily involved in the production and marketing of polypropylene. We and Admire Trading Company are Cuyo's main shareholders, with a 40% and 50.5% interest, respectively. Cuyo's industrial plant, located at Luján de Cuyo, Province of Mendoza, has a production capacity of approximately 100,000 tons/year. The quality and specialization of products have enabled Cuyo to enter international markets and export to several countries in the world, especially to Mercosur member countries and Chile.

Approximately 87% of the propylene feedstock required for Cuyo's operations is supplied by Repsol-YPF from its Luján de Cuyo refinery under a long-term contract set to expire in 2014.

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Cuyo is a licensee of the Novolen Technology Holding company, a member of the ABB Lumus Group, engaged in the production and marketing of polypropylene. In addition, it maintains transfer, assistance and technology upgrade agreements, allowing it to be a leading company in product applications and to serve the market with world-class processes and products.

The following table sets forth Cuyo's production and sales for the fiscal years ended December 31, 2003, 2002 and 2001.

	<b>Year ended December 31,</b>		
	<b>2003</b>	<b>2002</b>	<b>2001</b>
Production (thousand of tons)	87	84	80
Sales (in millions of pesos)	225	200	132

*Brazilian Operations*

Our petrochemical operations in Brazil are conducted through Innova, our wholly owned subsidiary. Innova is the first integrated plant in Latin America for the production of ethylbenzene, styrene and polystyrene in one site, located at Triunfo Petrochemical Pole, Rio Grande do Sul, in the south of Brazil. The styrene plant has a production capacity of 250,000 tons per year and the polystyrene plant has a production capacity of 120,000 tons per year. Our styrene and polystyrene plants began commercial operations in January and October 2000, respectively. Copesul, a Brazilian company, supplies the benzene and ethylene feedstock necessary for the production of styrene pursuant to a long-term contract.

The polystyrene plant uses approximately 110,000 tons of styrene monomer as the feedstock to produce two grades of polystyrene (Crystal and High Impact). The remainder is sold mainly in the Brazilian market for the production of synthetic rubber, expanded polystyrene, polyester and acrylic resins.

As of December 31, 2003, Innova was Brazil's largest styrene producer and merchant (not including styrene used in the production of polystyrene), and one of Brazil's largest polystyrene producers and merchants, with an estimated 47% and 26% market share, respectively.

Sony Corporation recognized Innova as Green Partner, which is only awarded by Sony after a thorough examination of suppliers. Innova is the only polystyrene supplier in Brazil to receive this recognition. In addition, Yakult approved a polystyrene grade developed by Innova, making Innova the third supplier in the world recognized by this client.

The following table sets forth Innova's production and sales of styrene and polystyrene for the fiscal years ended December 31, 2003, 2002 and 2001.

	<b>2003</b>	<b>2002</b>	<b>2001</b>
Production (in thousands of tons)			
Styrene	175	179	165
Polystyrene	86	96	92

Sales (in millions of pesos)			
Styrene	216	234	100
Polystyrene	255	298	183
Other	31	29	14
	<u>      </u>	<u>      </u>	<u>      </u>
Total sales	502	561	297
	<u>      </u>	<u>      </u>	<u>      </u>



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**Competition**

The petrochemical markets in which we compete are highly cyclical, and our results in these businesses are heavily influenced by world market conditions. We are the only producer of styrene and synthetic rubber in Argentina, but compete with other foreign producers, especially those in Brazil. In the fertilizers market, we compete with Profertil S.A., a local urea and ammonia producer with a production capacity of one million tons per year and other players who import and mix fertilizers such as Cargill, Nidera and Hidro Agri Arg. Profertil is owned by Repsol-YPF and Agrium S.A. In the polypropylene business, Petroken S.A is Cuyo's main competitor with a production capacity of 180,000 tons per year.

In Brazil, we mainly compete with Dow Chemical and BASF, who, after expansion of their San Paulo plants in 2001, have a polystyrene production capacity of 190 and 180 thousand tons per year, respectively. In addition, Videolar, a Brazilian producer, operates a 120 thousand ton capacity plant in Manaus. Nevertheless, we do not believe our revenues will be adversely affected, considering the strategic geographical location of our plants and their target markets, in addition to Innova's low cost producer nature. Based on the above, we believe we will maintain our current market position in the future.

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### **ELECTRICITY**

In the electricity business, we are involved in all three industry segments: generation, transmission and distribution. Thus, we are positioned as a major player in the Argentine electricity market.

We believe that electricity generation allows us to accelerate monetization of our significant gas reserves. Electricity transmission and distribution provides us with new growth opportunities, adding value through the sale of power and energy services to end users, as well as, through the development of cutting-edge technology.

We conduct electricity generation activities through our Genelba Power Plant in the Province of Buenos Aires and Pichi Picún Leufú hydroelectric complex, or HPPL, in the Comahue region, on the Limay River, Province of Neuquén. In addition, we have a 9.19% interest in Hidroneuquén S.A., a company controlling 59% of Hidroeléctrica Piedra del Aguila S.A., a hydroelectric complex located on the Limay River, in the Comahue region, in the dividing line between the Provinces of Neuquén and Río Negro. We are engaged in the transmission business through our interests in Transener (through Compañía Inversora en Transmisión Eléctrica Citelec S.A., or Citelec), Enecor S.A. and Yacylec S.A, and the electricity distribution business through our interest in Edesur (through Distrilec).

The enactment of the Public Emergency Law deeply changed the economic and financial balance of utility companies. The tremendous effect of the devaluation, within a context where revenues remained unchanged as a consequence of the pesification of rates and where financial debts were primarily denominated in foreign currency, affected the utilities' financial position, results of operations and the cash generation ability required to comply with financial obligations.

#### *The Argentine Electricity Market*

In Argentina, in the early 1990s, within the state-reform general framework, the Argentine government carried out a deep restructuring of the electricity sector transforming it into a more decentralized model with greater private sector participation. Up to then, the electricity system was characterized by the inability to meet the requirements of short- and long-term demand and a low service quality standard, all within a framework of a limited financing capacity on the part of the state to make necessary investments.

Electricity demand in Argentina has strongly increased over the last few years. Over the last 11 years, electricity demand increased at an average rate of 5%, exceeding the GDP growth for the same period. In 2003, electricity demand grew approximately 7.8% to 77,738 GWH from 72,107 GWH in 2002. This improvement is mainly due to the recovery following the economic crisis in 2002.

As of December 2003, installed generation capacity reached 22,500 MW, which accounted for a growth of approximately 70% from the time of the privatization of electricity services. Within this context, it is worth noting the growth in the installed capacity of non-nuclear thermal power plants and hydroelectric plants. As of December 31, 2003, thermal and hydroelectric power accounted for 46.7% and 44.7%, respectively, of total supply. In the case of non-nuclear thermal units, the new plants have substantially increased their operating efficiency by incorporating cutting-edge technology, such as combined cycles, which allowed the reduction of the average unavailability of thermal units from 50% to approximately 20%. Serving as an integrating link, the system's transportation capacity increased by 20% between 1994 and 2003. These improvements in the installed capacity enabled plants to meet the growth in demand in Argentina and also allowed for the start of exports to neighboring countries.

#### *Electricity Generation*

##### *Genelba Power Plant and Pichi Picún Leufú Hydroelectric Complex*

Our Genelba Power Plant is a 660MW combined cycle gas-fired generating unit located at the central node in the Argentine electricity network, at Marcos Paz, about 50 km from the city of Buenos Aires. As part of our strategy to increase vertical integration, the Genelba Power Plant allows us to use approximately 2.8 million cubic meters per day of our own gas reserves.

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The Genelba Power Plant, which commenced commercial operations in February 1999, has two gas-fired turbines that receive gas through an 8 km duct connected to the transportation system operated by TGS. The electricity produced at the Genelba Power Plant is distributed via the national grid through a connection to the Ezeiza transformer station (owned by Transener) and is located only 1 km away from the Genelba Power Plant.

The allocation of electricity dispatch to the Wholesale Electricity Market, or WEM, whether the electricity is produced for firm contracts or for the spot market, is subject to market rules based on the lowest variable cost of electricity generation. See Regulation of Our Businesses The Argentine Electricity Industry and Regulatory Framework. Since the Genelba Power Plant uses combined cycle technology for a natural gas-fired power plant, our short-run variable cost is expected to be lower than the cost of other thermoelectric power plants, granting significant competitive advantages for the Genelba Power Plant. Therefore, CAMMESA is expected to dispatch the Genelba Power Plant's generating capacity before that of most other thermoelectric plants, and the Genelba Power Plant is estimated to operate at an approximately 76% capacity on a month-to-month basis.

The development and implementation of the Primary Frequency Response, or PFR, operation mode along with the full combined cycle represents a milestone in the Genelba Power Plant operation. The associated system was designed by the plant engineers and the Genelba Power Plant was the first of its type worldwide to provide this service to the interconnected system. In 2003, the U.S. Patent Office granted us patent rights on this system, and currently steps are being taken to obtain patents in Europe and Argentina.

We were awarded a 30-year concession beginning in August 1999 for hydroelectric power generation at Pichi Picún Leutú hydroelectric complex, or at HPPL. Our total investment in the construction of the complex was P\$291 million. The complex has three generating units with an installed capacity of 285MW. Units 1 and 2 began commercial operations during the third quarter of 1999, and Unit 3 started commercial operations in December 1999.

Pursuant to our concession contract and under Section 43 of Law 15,336, as amended by Law 23,164, since August 2003 we have paid 1% in hydroelectric royalties, which will be increased by 1% annually until reaching a 12% maximum tax rate, on the amount resulting from applying to the energy sold the tariff corresponding to block sales. In addition, we pay the Argentine government a monthly fee for the use of the water source amounting to 0.5% of the amount used in the calculation of the hydroelectric royalties mentioned above.

In order to secure completion of the works within the term of the concession and to ensure certain minimum profitability levels needed to make the investment viable, the Secretary of Energy granted us P\$25 million from the Unified Fund, section 37, Law 24,065. For the purposes of determining whether this amount should be reimbursed or not, a system fixing a support price for the electric power generated by the hydroelectric complex and sold at the WEM was implemented. This support price system will be implemented during a ten-year period divided into two five-year consecutive periods as of December 1999. For implementation purposes, an Annual Monomic Support Price, or AMSP, of P\$0.021 per Kwh and P\$0.023 per Kwh was fixed for the first and second periods, respectively. In order to determine the amount to be reimbursed, annually and during the term mentioned above, the difference between the annual average monomic price for generation at the complex node and the above-mentioned AMSP, valued by the energy generated by the complex during such year, will be considered. Taking into account the hydroelectric complex's energy sales prices and price estimates for the remaining period of the first five-year term, and considering that the price support system described above guarantees the viability of our project by providing us with a minimum return on investment, as of December 31, 2003, we recognized P\$15 million in income from the fund.

The Genelba Power Plant and HPPL, together, account for approximately 6.7% of the power used by, and approximately 6.6% of the power generated for, the Argentine electricity system. The joint operation of the generating units minimizes income volatility, capitalizing on the natural barriers existing among the different energy resources used for power generation.

The following chart details energy generation and sales figures for the Genelba Power Plant and HPPL for the fiscal years ended December 31, 2003, 2002 and 2001.

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	<b>For the year ended December 31,</b>		
	<b>2003</b>	<b>2002</b>	<b>2001</b>
<b>Generation</b> (Gwh)	5,400	5,278	4,732
<b>Sales</b> (Gwh):			
Contracted sales	1,588	1,569	1,140
Spot market	4,450	4,402	4,152
Total sales	<u>6,038</u>	<u>5,971</u>	<u>5,292</u>
<b>Sales</b> (in millions of pesos)	235	196	266
<i>Piedra del Aguila</i>			

We, through our 9.19% interest in Hidroneuquén S.A., have an indirect 5.4% interest in Hidroeléctrica Piedra del Aguila S.A., or HPDA.

Piedra del Aguila hydroelectric complex has 1,400 MW of installed capacity and four vertical axis turbosets. During 2003, HPDA sold 5,333 GWh in the WEM, 5,170 GWh of which were supplied by its own generation (close to its historical average) and 163 GWh were purchased in the spot market.

On June 30, 2002, Piedra del Aguila announced the suspension of principal and interest payments on its financial debt; since then, HPDA has been involved in a restructuring process.

*Electricity Transmission: Transener, Yacylec and Enecor**Transener*

We currently own an indirect participation of 32.5% in Transener. We have committed ourselves to divesting our aggregate equity interest in Transener (under Law No. 24,065 which provides for the Electricity Regulatory framework) based on the Argentine Antitrust Commission's resolution under which the transaction involving the purchase of Petrobras Energía Participaciones' majority stock by Petrobras Participacoes S.L. was approved. Such transaction will be subject to supervision by the Argentine regulatory entity for electricity, Ente Nacional Regulador de la Electricidad, or ENRE, and must be approved by the Argentine Secretary of Energy. No time limits have been set to effect this divestment.

Transener is controlled by Citelec, who owns 65% of the capital of Transener. Citelec, in turn, is owned 49.993% by us, 42.493% by National Grid Finance B.V. and 7.514% by Dolphin Fund Management, or Dolphin. In March 2004, subject to the approval from the Argentine Antitrust Commission, Dolphin acquired a 42.493% interest in Citelec from National Grid Finance B.V. If this transaction is approved, we have already notified both Dolphin and National Grid Finance B.V. of our intention to exercise our preemptive right to acquire 0.007% of Citelec's share capital from National Grid Finance B.V., increasing our shareholding in Citelec to 50.00%.

Transener is the leading power transmission company in Argentina.

Under a 95-year concession, which is due to expire in 2088, Transener operates approximately 7,500 km of extra high and high voltage power lines (most of them 500 Kv lines) and 32 transformer stations. This network is the core

of the power transmission system in Argentina.

Transener was awarded an exclusive license for the rest of the term of the original concession to construct, maintain and operate the fourth line of the Comahue-Buenos Aires electricity transmission system, which began operations late in 1999, and consists of 1,292 km of 500 Kv electricity lines.

Transener operates approximately 90% of the Argentine extra high voltage power transmission system.

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In July 1997, Transener was awarded the exclusive 95-year concession to operate Empresa de Transporte de Energía Eléctrica por Distribución Troncal de la Provincia de Buenos Aires S.A., or Transba S.A., or Transba, which expires in 2091. Transba operates approximately 5,991 km of electricity transmission lines (most of them 132 KV lines) and 82 transformer stations.

Transener and Transba jointly operate approximately 75% of the Argentine high-voltage power transmission system.

We have agreed with the National Grid to jointly manage Transener and Transba and to share equally in the management fees received under a management agreement with Transener. In addition, shareholders have a right of first refusal in any transfer of Transener's shares. Under the concession agreement with the government, certain shares of Transener are pledged in favor of the grantor as guarantee for the execution of obligations under such agreement.

Transener generates additional income related to its power transmission services, from the supervision of the construction and operation of certain assets connected with the networks and other external services provided to third parties. In this respect, efforts are being made by Transener to expand its activities abroad, supported by its quality engineering and experienced technical personnel.

In order to meet the commitments arising from two contracts with foreign joint ventures in Brazil, the company Transener Internacional Limitada, with offices in Brasilia, was organized. During 2003, Transener Internacional Limitada consolidated its operation and maintenance activities in Brazil, reaching a high operating efficiency level.

During 2003, in line with Transener's strategy to expand its operations at a regional level, the development of the brand insertion policy continued in Latin America, allowing for the dissemination of Transener's capabilities.

The following chart details the evolution of Transener's failure rate for the fiscal years ended December 31, 2003, 2002 and 2001. The failure rate represents the service quality provided by the company to users. The maximum admissible failure rate under the concession contract is 2.50 failures per year per every 100 km.

	<b>For the year ended December 31,</b>		
	<b>2003</b>	<b>2002</b>	<b>2001</b>
Transener failure rate	0.51	0.57	0.60

Maintenance of this low failure rate resulted from operating improvements, acquisition of special equipment and agreements with public safety agencies.

The provisions of the Public Emergency Law have severely affected the economic and financial balance of Transener's business. Within this framework, Transener publicly announced the suspension of principal and interest payments on all its financial debts. Transener retained an international financial advisor to assist it in developing a restructuring plan for all its banking and financial liabilities. Transener has been notified of a request by one of its creditors for the commencement of involuntary bankruptcy proceedings against it and of requests for attachment of approximately U.S.\$11.5 million in accounts receivable from CAMMESA. Transener is pursuing all reasonable defenses to protect its rights.

*Yacylec*



Yacylec S.A., which we refer to as Yacylec, is an independent transmission company formed by a consortium of construction and engineering companies of Argentina and Europe, including Empresa Nacional de Electricidad S.A. of Spain, or Endesa, Impregilo International Infrastructures N.V. of The Netherlands and Dumez S.A. of France, which currently hold 22.2%, 18.67% and 1.78% of Yacylec, respectively. We have a 22.22% direct interest in this consortium. The consortium operates and maintains the 500 Kv and 280 km-long electric power transmission line from Yacyretá hydroelectric complex to the Argentine national grid under a 95-year concession that expires in 2091. Under the concession agreement, ENRE's approval is necessary to transfer or sell shares

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representing up to 49% of the capital stock. If that percentage is higher, a public tender must be called in order to award such shares to the best bidder.

Under the shareholders' agreement, shareholders have a right of first refusal in any transfer of shares.

### *Enecor*

Enecor is an electricity transmission company. We own a 69.99% interest and Impregilo International Infrastructures N.V. of The Netherlands owns the remaining interest in the company. Enecor has a 95-year concession, expiring in 2088, to construct, operate and maintain approximately 22 km of electricity lines and a 500 Kv/132 Kv transformer station in the Province of Corrientes. Under the concession contract, certain shares of Enecor are pledged in favor of the Province of Corrientes. As collateral for the amounts owed by the Dirección Provincial de Energía de Corrientes, or DPEC, to Enecor, the province of Corrientes has assigned to Enecor (i) all royalty credits it has against the Comisión Técnica Mixta de Salto Grande for the sales of electricity generated by the Salto Grande Hydroelectric Power Complex, and (ii) the funds that belong to the Province under the Fondo de Desarrollo Eléctrico del Interior, or FEDEI.

Enecor is collecting such guarantees because the DPEC has failed to pay tariffs to Enecor since September 1999. However, as a result of lower hydropower generation and the issuance of Resolution SE 406/03, which affected all generators by establishing a priority for canceling existing debts subject to the Stabilization Fund having sufficient monies (coming from either the adjustment of the seasonal price or the Federal Government), Enecor's revenues have been seriously affected. Enecor is taking appropriate administrative and legal actions with respect to these matters, but we cannot assure that these actions will result in a favorable outcome to Enecor.

### *Electricity Distribution: Edesur*

In 1992, Edesur, was awarded an exclusive license by the Argentine government to distribute electricity in the southern area of the Federal Capital and 12 districts of the Province of Buenos Aires, serving a residential population of approximately six million inhabitants and a client portfolio of approximately 2.1 million. The license will expire in 2087 and is extendable for an additional 10-year period. Edesur was created as part of the privatization of the Buenos Aires electricity distribution network. We own 48.5% of Distrilec which, in turn, owns 56.35% of Edesur.

We and the Enersis/Chilectra group, owned by Endesa, are the only shareholders in Distrilec and, under a shareholders' agreement, each have the right to elect an equal number of directors. The Enersis/Chilectra group had challenged the validity of the shareholders' agreement in an arbitration proceeding, and in September 2002, the International Chamber of Commerce issued a final award which was fully in our favor and determined that each group has the right to appoint five directors of Distrilec.

The unanimous approval of the board of directors is necessary for any lien on Edesur's shares or any merger, reorganization, dissolution or spin-off of Distrilec. Shareholders also have a right of first refusal on any transfer of shares and preferential rights on any new issue of shares.

Chilectra entered into a 15-year management agreement with Edesur that expires in 2007. Under the agreement, Chilectra receives management fees of U.S.\$1 million plus 10% of exploitation income per year. We are reimbursed for costs incurred by it in connection with the management agreement.

Under the concession contract, Edesur has a fixed cap on what it may charge each customer for the distribution of electricity to that customer. However, Edesur may pass through to the customer the cost of the electricity purchased, limited only by the pre-adjusted seasonal WEM price. Customers are divided into tariff categories based on the type of

consumption required. Under the current regulations, large users may purchase energy and power directly from the WEM. Edesur charges these large users a wheeling fee for the provision of distribution services. Residential consumers purchase power only from distributors. These customers are generally daylight and weather sensitive and their consumption of electricity is different in summer and winter. Peak demand occurs in July, when there is the least amount of sunlight, and in January, which is usually the hottest summer month.

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The enactment of the Public Emergency Law significantly affected Edesur's economic and financial balance and its ability to comply with its contractual commitments. For this reason, Edesur's efforts were focused on refinancing financial liabilities, reducing risks and optimizing working capital. Based on these guidelines, Edesur has managed to refinance all of its financial debt, achieving a better maturity profile and lower average costs.

The chart below sets forth Edesur's annual power sales for each type of customer for the fiscal years ended December 31, 2003, 2002 and 2001.

Type of customer	Annual sales in Gwh		
	2003	2002	2001
Residential	4,304	4,597	4,632
General	2,785	2,439	2,844
Large users	5,569	5,123	5,433
Total	12,658	12,159	12,909

During the period since privatization, Edesur has made investments of over U.S.\$1.2 billion and increased the equipment's average useful life from 17 to 24 years by incorporating new facilities and revamping the existing ones. As a result of such investments, Edesur was able to provide over a 35% rise in demand and maximum output compared to the first years of the concession of operation. In addition, investments enabled Edesur to reduce total energy loss through the system. This loss had accounted for 26% of total electricity received in 1992 but currently accounts only for 11.8%. Quality of service supplied to customers improved and the number and duration of interruptions declined by more than 70%. Edesur has added more than 200,000 new customers to its system since 1992, with a 12% increase in the number of customers last year alone. Some of these customers were added as a result of new electricity lines, and others who had been receiving electricity outside the system are now fully connected and accurately billed. Edesur has also substantially reduced overdue payments from customers and is implementing more efficient billing and collection practices.

Based on a functional organization and a prevention approach in the development of its activities, Edesur made significant efforts to consolidate the electricity system structure and incorporate new technologies with a view to meeting the new challenges of an increasingly demanding and competitive market. In order to meet its clients' new requirements, Edesur took actions geared towards the development of new products and services, while it redesigned existing ones.

*Competition*

We compete with other generators in the WEM, both in the spot market and for contracts (mainly short-term contracts). The price received by us for energy generation is determined by the WEM dispatch marginal cost rules and by rules and regulations enacted following the Argentine crisis and the adoption of the Public Energy Law. See Regulation of our Businesses The Argentine Electricity Industry and Regulatory Framework.

**Divestments of non-core assets**

The sale of a controlling interest in the company that directly controlled us to Petrobras represents a major milestone in the development of our strategy to focus and concentrate on our core businesses.

The agreements executed in connection with the transfer of our control granted Petrobras an option whereby, if within 30 days after closing of the stock purchase transaction, we did not consummate the sale of assets related to the farming, forestry and mining businesses, Petrobras would be entitled, but not obligated, to cause the seller to acquire such assets in the amount of U.S.\$190 million.

In line with the provisions of the agreements mentioned above, during 2002 we sold the asset portfolio associated with our mining, farming and forestry businesses. As a part of these divestments, we are involved in the following transactions:

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In July 2002, we sold to AngloGold our 46.25% indirect equity interest in Cerro Vanguardia S.A., and certain related assets. The transaction price amounted to U.S.\$90 million, and the transaction resulted in a P\$123 million gain for us.

In September 2002, we sold to Argentina Farmland Investors LLC our 100% equity interest in Pecom Agropecuaria S.A. The transaction price amounted to U.S.\$53 million, resulting in a P\$27 million gain for us.

In December 2002, we sold our forestry business assets, including a total area of about 169,000 hectares of forestry land located in the Province of Misiones, Corrientes and Buenos Aires and a sawmill with a 90,000 m<sup>3</sup>/year capacity. The sales price was U.S.\$53.16 million, resulting in a P\$153 million loss for us.

In addition, the following transactions were performed:

In April 2002, under an asset swap, we transferred to IRHE (Argentine Branch) and GENTISUR S.A. (a company wholly owned by IRHE) our 50% interest in Pecom Agra with a value of U.S.\$30 million, resulting in a P\$81 million gain. These parties, in turn, transferred to us a 0.75% interest in Puesto Hernández UTE, with a value of U.S.\$4.5 million, a 7.5% interest in Citelec, with a value of U.S.\$15 million and a 9.19% interest in Hidroneuquén S.A, with a value of U.S.\$5.5 million.

In October 2002, we sold to Sudacia S.A., a company controlled by the Perez Compañc family, our 66.67% equity interest in Conuar, including a 68% interest in Fabricación de Aleaciones Especiales S.A., for U.S.\$8 million. No gain or loss was recorded in connection with the sale.

In April 2000, we sold our interest in Servicios Especiales San Antonio S.A., a company engaged in the business of providing production well services to the oil industry in Argentina, Bolivia, Peru and Venezuela, for P\$133 million, resulting in a gain of P\$103 million.

All these transactions helped to (i) enhance our asset portfolio, (ii) move forward with the strategy focused on energy operations to become an integrated energy company, and (iii) consolidate a high potential and profitable business portfolio.

## **Insurance**

We carry insurance covering all operating risk damages, with assets valued at current market replacement cost. The coverage limit for each and every loss in our oil and gas exploration and production businesses is the total value at risk for each location: U.S.\$370 million for each and every loss in our styrenics petrochemical businesses; U.S.\$150 million for each and every loss in our fertilizers business; U.S.\$80 million for each and every loss in our refining business; U.S.\$180 million with respect to our thermoelectric generation businesses; and U.S.\$217 million for each and every loss in the hydroelectric generation power plant. In addition, we carry insurance of up to U.S.\$100 million for ocean marine and non-ocean marine third-party liability, U.S.\$7.5 million for well control costs in Argentine fields, U.S.\$40 million for wells in Bolivia, U.S.\$40 million for wells in Ecuador, U.S.\$25 million for fields in Venezuela and U.S.\$10.5 million for cargo transportation by sea or river. In addition, we carry insurance for workmen's compensation and automobile liabilities.

Our coverage include the following different types of deductibles: (1) U.S.\$10,000,000 for combined claims for property damage and business interruption for all our businesses, except for the oil and gas exploration and production businesses, (2) U.S.\$ 10,000,000 for claims for each property of our oil and gas exploration and production businesses, (3) U.S.\$5,000,000 for in well control costs, and (4) U.S.\$5,000,000 in non-ocean marine third-party liability, and (5) U.S.\$5,000,000 in ocean-marine third-party liability. Our insurance decisions are based on our requirements and available commercial and market opportunities.

Pursuant to the resolutions adopted by the ordinary shareholders meeting held on April 4, 2003, the Board of Directors was authorized to determine the most economically appropriate coverage, including a program of self-insurance covering directors and senior officers liabilities.

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### **Patents and Trademarks**

Minor portions of our commercial activities are conducted under licenses granted by third parties, including Petrobras. Royalties related to sales associated with such commercial activities are paid under the relevant licenses. We use the name Petrobras with the permission of Petrobras.

### **Environmental**

#### *Environment, Quality, Occupational Health and Safety (EQOHS)*

In 1993, we started to implement our environmental strategy. Since then, environmental protection, employee health and safety and the continuous improvement of our management quality have been an integral part of our business.

#### *Policies and Directives*

We have issued policies, goals and plans emphasizing environmental care and control. Through these policies and standardized management systems designed to implement these policies, we have undertaken the commitment to ensure the quality of our products and services, to preserve the overall environment in which we operate, and the safety and health of our personnel, contractors and neighboring communities.

The consolidation of our management system for quality, safety, environment and occupational health has been reinforced by the implementation of the same directives used by Petrobras in Brazil, which we now apply to each of our business units in order to create and improve our systems. Each business unit is focused on complying with these goals and closely monitors its progress, thereby continuously seeking improvement. We call this process Programa de Seguridad de los Procesos , or PSP.

#### *Performance Assessment*

The possible environmental, safety and occupational health impacts that are directly or indirectly related to our operations are measured through risk analysis to ensure their treatment and solution. In that respect, each business unit has set up adequate procedures which are regularly reviewed and which are based on standards and directives that we have established.

The performance of our environmental management system is evaluated every month. We verify compliance by our different business units with goals with respect to reduced atmospheric gas emissions, reduced discharges of liquid effluents and the treatment or reduction of waste. We also monitor safety indicators such as the frequency of lost time due to injury, lost work days, and the total recordable incident rate. We will take and have taken corrective and preventive measures in order to improve our results with respect to each of these indicators and the overall safety of our personnel.

We have more than 90 certifications in environment (ISO 14001), quality, (ISO 9001) and safety and occupational health (OHSAS 18001/IRAM 3800), which are maintained through regular third-party audits.

Many of our achievements in this continuous process to achieve excellence have been enhanced through our integration with Petrobras. Since July 2003, we have put into operation the project Inventory System of Atmospheric Emissions initiated in September 2002 by Petrobras. The main goal of this project is the creation of a tool to be applied to the management of atmospheric emissions. The work consists of the creation of a collection, utilization and communication data system that permits the systematic environmental evaluation of our emissions, the identification



of critical issues and the technological analysis of improvements that can be put into place to reduce these emissions.

*Environmental Audit*

Following the change of our controlling shareholder and pursuant to our goal of continuously improving our environmental, health and safety management, in 2003 we hired an international consulting firm to conduct an environmental and safety audit of all our operations.

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The final audit report issued by this consulting firm confirmed the high environmental standards of our operations and identified a series of actions necessary for our operations to be in full compliance with current laws and regulations, to satisfy future requirements and, in the absence of local laws, to comply with applicable international standards. We have decided to implement these actions. Consequently, over the next several years we plan on making investments to improve, among other things, our prevention systems and production facilities at a cost of approximately U.S.\$23 million, and we plan to also implement several corrective and remediation actions several of which are already underway.

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**REGULATION OF OUR BUSINESSES**

**The Argentine Petroleum Industry and Regulatory Framework**

*Overview*

The Argentine oil and gas industry operates under Law No. 17,319 which we refer to as the Hydrocarbons Law, enacted in 1967, and the Natural Gas Law No. 24,076, enacted in 1992. The Hydrocarbons Law allows the federal executive branch of the Argentine government to establish a national policy for the development of Argentina's hydrocarbon reserves, with the principal purpose of satisfying domestic demand.

A new regulatory framework was required in order to respond to several changes in the Argentine oil and gas industry after the privatization of Yacimientos Petrolíferos Fiscales Sociedad del Estado, or YPF, and Gas del Estado, or GdE. Pursuant to Law No. 24,145, the Argentine government transferred to the provinces ownership of oil and gas reserves located within their territories. The transfers will be implemented once (i) the Hydrocarbons Law is modified for the purpose stated in Law No. 24,145, which is referred to as the Privatization Law, and (ii) the rights of holders of existing exploration permits and production concessions, as applicable, have expired. In connection with this legislation, certain issues remain unresolved with respect to the relevant regulatory authority of the federal executive branch and the provinces, regarding oil and gas exploration, production, and transportation activities.

*Exploration and Production*

The Hydrocarbons Law sets forth the basic legal framework for the current regulation of oil and gas exploration and production in Argentina. The Hydrocarbons Law permits surface reconnaissance of territory not covered by exploration permits or production concessions upon authorization of the Secretary of Energy and with permission of the property owner. Information gained as a result of surface reconnaissance must be provided to the Secretary of Energy, who is prohibited from disclosing such information for a period of two years, without the permission of the party that conducted the reconnaissance, except in connection with the grant of exploration permits or production concessions.

The Hydrocarbons Law provides for the grant of exploration permits by the federal executive branch following submissions of competitive bids. Permits granted to third parties in connection with the deregulation and demonopolization process were granted in accordance with procedures specified in certain decrees, known as the Oil Deregulation Decrees, issued by the federal executive branch. In 1991, the federal executive branch established a program under the Hydrocarbons Law, known as the Argentina Exploration Plan, pursuant to which exploration permits may be auctioned. The holder of an exploration permit has the exclusive right to perform the operations necessary or appropriate for the exploration of oil and gas within the area specified by the permit. Each exploration permit may cover only unexplored areas up to 10,000 km<sup>2</sup> (15,000 km<sup>2</sup> offshore), and may have a term of up to 14 years (17 years for offshore exploration).

In the event that the holder of an exploration permit discovers commercially exploitable quantities of oil or gas, the holder may apply for, and is entitled to receive, an exclusive concession for the production and development of such oil and gas. A production concession vests in the holder the exclusive right to produce oil and gas from the area covered by the concession for a term of 25 years (plus, in certain cases, a part of the unexpired portion of the underlying exploration permit), which may be extended for an additional ten-year term by application to the federal executive branch. A production concession also entitles the holder to obtain a transportation concession for the transport of the oil and gas produced.

Holders of exploration permits and production concessions are required to carry out all necessary works to find or extract hydrocarbons, using appropriate techniques, and to make the investments specified in such holders' permits or concessions. In addition, these holders are required to avoid damage to oil fields and waste of hydrocarbons, to adopt adequate measures to avoid accidents and damage to agricultural activities, the fishing industry, communications networks and the water table, and to comply with all applicable federal, provincial and municipal laws and regulations.

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Holders of production concessions are also required to pay a 12% royalty to the government of the province in which production occurs, calculated on the wellhead price (equal to the FOB price less transportation costs and certain other reductions) of crude oil and natural gas produced. The Hydrocarbons Law authorizes the government to reduce royalties up to 5% based on the productivity and location of a well and other special conditions. Any oil and gas produced by the holder of an exploration permit prior to the grant of a production concession is subject to the payment of a 15% royalty.

Exploration permits and production or transportation concessions are subject to termination in the event of certain breaches or defaults of laws or regulations or upon the bankruptcy of the concessionaire. Upon the expiration or termination of a production concession, all oil and gas wells, operating and maintenance equipment and facilities ancillary thereto automatically revert to the Argentine government, without payment to the concessionaire.

### *Net Worth Requirements*

Resolution No. 193/03 of the Secretary of Energy implements mandatory minimum net worth requirements for companies that wish to acquire or maintain exploration permits, exploration concessions, and hydrocarbon transportation concessions in Argentina.

The Secretary of Energy has historically required companies that wish to obtain these permits or concessions to comply with certain minimum net worth and economic and financial solvency requirements. Along these lines, the Hydrocarbons Law and subsequent regulations provide for certain economic and financial solvency requirements for carrying out these activities. However, prior to the issuance of Resolution No. 193/03, there were no resolutions that established specific required amounts, but rather, the Secretary of Energy determined the amount that would be required to comply with the solvency requirement on a case by case basis. Resolution No. 193/03 sets forth minimum net worth requirements, as well as, alternative economic and financial guarantees that can be complied with to obtain permits or concessions.

This resolution also provides that, in order to be a holder of a permit or concession, the company or group of companies (for example, companies associated through a joint operating or joint venture agreement) shall have a minimum net worth of P\$2,000,000 for land-based areas and U.S.\$20,000,000 for off-shore areas. This minimum net worth amount must be maintained during the whole term of the permit or concession. The breach of this obligation may result in sanctions, including fines, or even the revocation of a company's registry with the Secretary of Energy as a petroleum company. To comply with these requirements other local Argentine companies or foreign companies may grant financial support or guarantees of up to 70% of the minimum net worth requirements in favor of the entity requesting a permit or concession.

### *Security Zones Legislation*

Pursuant to provisions of Argentine law that restrict the ability of non-Argentine companies to own real estate, oil concessions or mineral rights located within, or with respect to, areas defined as security zones (principally areas located on the border of Argentina's national geographic limits), prior approval by the Argentine government for any additional acquisition of real estate, mineral rights, oil or other Argentine government concessions located within, or with respect to, the security zones may be required if (i) non-Argentine shareholders acquire control of us or (ii) the majority of our shares become owned by non-Argentine shareholders.

### *Transportation*

The Hydrocarbons Law grants hydrocarbon producers the right to obtain from the federal executive branch a 35-year transportation concession for the transportation of oil, gas and their by-products through public tenders.

Producers granted a transportation concession remain subject to the provisions of the Natural Gas Law, and in order to transport their hydrocarbons do not need to participate in public tenders. The term of a transportation concession may be extended for an additional ten years upon application to the federal executive branch.

Transporters of hydrocarbons must comply with the provisions established by Decree No. 44/91, which implements and regulates the Hydrocarbons Law as it relates to the transportation of hydrocarbons through oil pipelines, gas pipelines, multiple purpose pipelines and/or any other services provided by means of permanent and

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fixed installations for transportation, loading, dispatching, tapping, compression, conditioning infrastructure, and hydrocarbon processing. This decree is applicable currently and primarily to oil pipelines and not to gas pipelines. (Gas pipelines are subject to ENARGAS regulations.)

The transportation concessionaire has the right to transport oil, gas, and petroleum products and to construct and operate oil pipelines and gas pipelines, storage facilities, pumping stations, compressor plants, roads, railways, and other facilities and equipment necessary for the efficient operation of an oil, gas and petroleum product pipeline system. While the transportation concessionaire is obligated to transport hydrocarbons on a non-discriminatory basis on behalf of third parties for a fee, this obligation applies only if such producer has surplus capacity available, and after such producer's own transportation requirements are satisfied.

Depending on whether it is gas or crude oil that is transported, transportation tariffs are subject, respectively, to approval by ENARGAS or the Secretary of Energy. Resolution No. 5/04 of the Secretary of Energy sets forth:

- (i) maximum amounts for tariffs on hydrocarbon transportation through oil pipelines, and multiple purpose pipelines, as well as the tariffs on storage, use of buoys, and the handling of liquid hydrocarbons; and
- (ii) maximum deduction amounts that may be applied in connection with crude oil transportation by producers that, as of the date of the regulation, transport their production through their own unregulated pipelines, for the purpose of assessing royalties.

Upon expiration of a transportation concession, ownership of the pipelines and related facilities is granted to the Argentine government at no cost.

### *Refining*

Hydrocarbon refining activities by oil producers and other third parties are subject to Law 13,660 and Oil Deregulation Decrees, which provide the basic regulatory framework for these activities in Argentina. The Secretary of Energy is the authority that enforces Law 13,660 and its regulations.

Hydrocarbon refining activities are subject to registration requirements established by the Secretary of Energy, such as the requirement to register with the registry of oil companies, which is granted on the basis of general, financial, and technical standards. Furthermore, liquid fuel retail outlets, points of sale for fuel fractioning, resale to large users, as well as, supply contracts entered into between service stations and each oil company are required to be registered in registers created by the Secretary of Energy.

Refiners are authorized to freely market their products in the national and export markets (subject, in the case of exports of diesel and liquefied petroleum gas, to prior regulation) and to freely install gas stations identified with their own or third parties' representative flag, provided that their own gas stations or those directly operated by oil companies do not exceed 40% of their distribution network (subject, in the case of exports of diesel and liquefied petroleum gas, to prior registration).

This regulatory empowerment of the Secretary of Energy is also delegated to the provinces and municipal districts, and, therefore, refining activities must also comply with provincial and municipal safety and technical regulations. The installation and operation of gas stations must not only comply with technical, safety, and quality standards set by the Secretary of Energy, but their authorization also requires compliance with municipal regulations.

### *Market Regulation*

Under the Hydrocarbons Law and the Oil Deregulation Decrees, the holders of exploitation concessions have the right to freely dispose of their production either through sales in the domestic market or abroad.

Pursuant to Decree No. 1589/89, relating to the deregulation of the upstream oil industry, companies engaged in oil and gas production in Argentina are free to sell and dispose of the hydrocarbons they produce and are



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entitled to keep out of Argentina up to 70% of the foreign currency proceeds they receive from crude oil and gas sales, while being required to repatriate the remaining 30% through Argentine exchange markets. During 2002, as a result of the reestablishment of a system that requires exporters of domestic products to repatriate foreign currency amounts generated by their exports, many controversies arose among producers and the authorities regarding the enforceability of the right to freely dispose of up to 70% of their foreign currency. These controversies were even subject to legal suit, and many federal judges have pronounced on and recognized the prima facie validity of producers' rights. In December 2002, we filed before a federal court of the Province of Santa Cruz, a temporary injunction against the federal executive branch, requesting the maintenance of the status quo which allows us to freely dispose of up to 70% of our export proceeds. This right was prima facie admitted by the court. On December 31, 2002, Decree No. 2703/02, effective as of January 1, 2003, was enacted. This decree declared the right to dispose of 70% of foreign currency but had no provisions related to this right during 2002. Therefore, in order to avoid any uncertainty regarding the application of this right during 2002, in February 2003, we filed a civil action of certainty, requesting that the court recognize our right to freely dispose of up to 70% of our foreign proceeds in 2002, based on the effectiveness of Decree No. 1589/89.

The Hydrocarbons Law authorizes the federal executive branch to regulate the Argentine oil and gas markets and prohibits the export of crude oil during any period in which the federal executive branch finds domestic production to be insufficient to satisfy domestic demand. In the event the federal executive branch restricts the export of oil and petroleum products or the free disposal of natural gas, the Oil Deregulation Decrees provide that producers, refiners and exporters shall receive a price, in the case of crude oil and petroleum products, not lower than that of similar imported crude oil and petroleum products and, in the case of natural gas, not less than 35% of the international price per cubic meter of Arabian light oil, at 34 degrees.

On May 23, 2002, the Argentine government issued decree No. 867/02 declaring an emergency in the supply of hydrocarbons in Argentina through October 1, 2002. This decree authorized the Secretary of Energy to determine quotas on the minimum volumes of petroleum and LPG produced in Argentina that must be sold on the domestic market. By means of Resolution No. 140/02, the Secretary of Energy established that in June, July, August and September of 2002, only 36% of the oil produced in each preceding month could be exported. In addition, during this emergency period, no producer or exporter of oil was permitted to export a volume of oil higher than the volume it exported during the equivalent months of 2001. The emergency resolution was amended and finally repealed on July 26, 2002.

Argentina is currently suffering an energy crisis, and there is an agreement in principle, subject to the approval of the federal executive branch, for gas producers to sell a minimum specified amount in the local market in exchange for price increases. This proposal may change during the approval process. See Item 3. Key Information Risk Factors Factors Relating to Argentina Limits on exports of hydrocarbons could lower our anticipated dollar-denominated cash receipts.

### *Taxation*

Holders of exploration permits and production concessions are subject to federal, provincial, and municipal taxes and regular customs duties on imports. The Hydrocarbon Law grants such holders a legal guarantee against new taxes and certain tax increases at the provincial and municipal levels. Permit holders and concessionaires must pay an annual surface tax based on the area held.

On January 6, 2002, the Argentine Congress enacted the Public Emergency Law. Pursuant to the Public Emergency Law, all foreign-denominated bank deposits were converted into peso-denominated bank deposits at a rate of P\$1.4 per U.S. dollar, and all dollar-denominated debts with Argentine financial institutions were converted into peso-denominated debts at a rate of one-to-one. Under the Public Emergency Law, the Argentine Congress delegated

the right to issue secured government bonds to the federal executive branch in order to compensate it for the effect of pesification and to ameliorate the situation of financial institutions.

The Public Emergency Law established a five-year export tax on hydrocarbon exports as security for these bonds, and empowered the federal executive branch to establish the applicable tax rate. By virtue of Decree No. 310/02, the federal executive branch determined that the applicable tax rate would be 20% on crude oil and 5% on petrochemical and oil by-products. On May 13, 2002, by Decree No. 809/02, the federal executive branch

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temporarily extended the 20% export tax to other hydrocarbon exports, such as petrochemical and oil by-products, stating that the 20% export tax applicable to hydrocarbon exports would be reduced to 5% on October 1, 2002.

Through Resolution No. 77, the Secretary of Energy regulates the payment of tolls by persons and companies that are subject to audit and control under technical and security regulations for the fractionation and sale of liquid gas and the transportation of liquid hydrocarbons and its derivatives through pipelines. It provides the methods and terms and conditions for payment of the tolls.

*Stability of Diesel Prices Supply to the Domestic Market*

Decrees No. 645/02 and 652/02 and Resolution No. 38/02 of the Secretary of Energy were published in the *Official Gazette* on April 22, 2002 and were aimed at overcoming the diesel fuel supply shortage.

Decree No. 645/02 provides that diesel exports must be registered and empowers the Secretary of Energy to expand the list of hydrocarbons subject to registration, depending on the condition of the domestic market. The Secretary of Energy has also been authorized to discontinue the registration system if the situation in the domestic market so warrants.

Resolution No. 202/02 of the Secretary of Energy, dated December 19, 2002, modified Decree No. 645/02 by canceling the registration system established by that decree for crude oil export transactions. This resolution also provides for the automatic registration and approval of diesel oil and liquefied petroleum gas exports such that simple evidence of a receipt of the form signed by an attorney of the export company is considered sufficient evidence of the registration and approval of the transaction.

By means of Decree No. 652/02, the federal executive branch ratified the diesel supply stability agreement for public transportation services, dated April 19, 2002, among the national government and hydrocarbon producing and refining companies. Under the agreement:

- (i) refining companies agreed to supply the domestic market with diesel for the public transportation service at a set maximum price until July 31, 2002;
- (ii) hydrocarbon manufacturers agreed to supply local refineries with the same amount of crude oil that they had supplied in the first quarter of 2002, plus an additional amount (with a fixed price and exchange rate), until July 31, 2002; and, in turn,
- (iii) the national government agreed to allow manufacturing companies to offset against export duties:

the amount of any costs, penalties and indemnities incurred due to the total or partial cancellation of supply to third parties, which were incurred for purposes of complying with the stability agreement; and

any differences between the fixed price and exchange rate set by the agreement and market prices and rates.

The parties also agreed that, if the fixed price and exchange rate at which manufacturers have agreed to sell their products exceeds a certain limit, either party may request that the agreement be renegotiated. If no agreement is reached in this respect, then the agreement may be terminated.

Decree No. 652/02 has been extended by means of Decree Nos. 1,912/02, 704/03, 447/03 and 301/04 until December 31, 2003.

Subsequently, Decree No. 1,912/02 ratified the agreement on extension of the stability agreement and the first quarterly agreement. Under the extension to the stability agreement, the national government agreed to issue a resolution that would provide for the reduction of export duties imposed on diesel, from a 20% rate to a 5% rate, retroactive as of August 1, 2002.

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The first quarterly agreement aimed at limiting diesel volumes that must be provided to public transportation companies at contractually discounted prices, by establishing an information and verification system. The refining companies were entitled to compensation for any differences between the net income that refining companies obtained from the sale of diesel at the market price compared to that obtained from sales at agreed upon prices. The amount of that economic compensation is verified by the Secretary of Energy, who issues a certificate permitting the refining companies to obtain from producers a rebate on the unit price of crude oil equal to the value of the compensation. Producers, in turn, may discount the amount of such rebate from export duties.

Since ratification of the first quarterly agreement, a series of extension agreements has been executed and ratified through Decrees No. 704/03 and No. 447/03. In turn, Decree No. 576/03 empowered the Cabinet of Ministers until December 31, 2003 to execute new agreements with the companies, as well as to enter into amendments to these agreements, in order to secure a continued supply of diesel at a discounted price.

### *Stability of Fuel Prices*

With respect to crude oil prices, in January 2003, at the federal executive branch's request, hydrocarbon producers and refineries executed a temporary agreement in connection with crude oil, gasoline and diesel oil price stability in the domestic market. After successive renewals, the term of this agreement was extended until May 2004. This agreement provided for crude oil deliveries to be invoiced and paid based on the West Texas Intermediate Crude reference price, or WTI, of U.S.\$28.5 per barrel instead of the actual relevant WTI. Any positive or negative difference between the actual relevant WTI, not exceeding U.S.\$36 per barrel, and the reference price would be paid out of any balance generated in periods where the actual WTI is below U.S.\$28.5 per barrel. Refineries, in turn, would reflect the crude oil reference price in domestic market prices. In February 2004, a new agreement corresponding to the period beginning on March 1, 2004 and ending on April 30, 2004 was reached between producers and refineries, but the Secretary of Energy has not yet approved this agreement because it contains a difference concerning the interest rate to be used to calculate the debt between producers and refiners. If the situation continues in the future, producers shall be forced to reinvoice refiners in order to adjust prices. Notwithstanding this situation, beginning in May 2004, hydrocarbon producers and refineries have informally agreed that while the WTI per barrel ranges between U.S.\$32 and U.S.\$42, crude oil deliveries will be invoiced and paid based on a reference price equal to (i) 86% of the WTI as long as this price does not exceed U.S.\$36 per barrel, or (ii) 80% of the WTI, in cases where this price exceeds U.S.\$36 per barrel.

### *Royalties*

The national government has provided that the Central Bank will be responsible for issuing the regulations that may be required to apply the provisions of Section 5 of Decree No. 1,589/89, which will permit producing companies to dispose of their proceeds from sales in the domestic market, and the national government has described the manner in which these regulations shall apply during the course of the Argentine economic crisis.

Under Resolution No. 76/02 of the Ministry of Economy, royalties on oil exports must be fixed taking into account the seller exchange rate of Banco de la Nación Argentina on the day before the royalty is paid.

However, from December 2001 until May 2002, producers and refiners agreed to negotiate a reduced exchange rate in order to moderate the impact of the devaluation in product prices. Producers calculated and paid royalties according to this reduced exchange rate. These calculations have been rejected by Argentine Provinces, which have presented claims for any shortfall arising from this agreement.

## **The Argentine Gas Industry and Regulatory Framework**

*Background*

In 1992, the Natural Gas Act and related decrees of the federal executive branch were passed providing for the privatization of GdE. The Natural Gas Act and the related decrees provided for, among other things, the transfer of substantially all the assets of GdE to two transportation companies and eight distribution companies. The transportation assets were divided into two systems on a geographical basis, the northern and southern area pipeline systems, designed to give both systems access to gas sources and to main centers of demand, including the greater Buenos Aires region. The distribution assets were also divided on a geographical basis.

A majority stake in each of the ten companies was sold to private bidders through a public tender process. Each consortium of bidders was required to be qualified on the basis of technical merit, including having a consortium participant with previous experience as an operator of gas transportation or distribution facilities. Accordingly, each consortium included one or more significant international operators.

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The Natural Gas Act and related decrees granted each privatized company a license to operate the transferred assets, established a regulatory framework for the privatized industry based on open, non-discriminatory access, and created ENARGAS to regulate the transportation, distribution, marketing and storage of natural gas. The Natural Gas Act also provided for the regulation of wellhead gas prices in Argentina for a period of between one and two years beginning in June 1992 with prices to be deregulated no later than June 1994. Pursuant to a subsequent decree, gas prices were deregulated as of January 1, 1994. Since the deregulation, prices have risen with variances based on the basin and the season of the year.

As part of the privatizations, the concessionaires assumed a series of obligations aimed at correcting the previous situation. In particular, concessionaires agreed to incorporate modern technology and make greater investments in equipment, thereby improving quality and safety levels to comply more closely with international standards and ensuring a supply necessary to meet a growing demand. In addition, operating efficiencies were sought, with a view to sharing these benefits with the consumers through tariff rebates.

In exchange, the companies were entitled to tariff levels that ensured a reasonable and fair profit, comparable with profits at the domestic and international levels. In line with that objective, tariffs were to be denominated in U.S. dollars, in order to permit companies to better match their income with their expenses and investments, which in large part were tied to foreign markets, both through the import of specialized equipment and foreign financing.

### *Regulatory Framework*

Natural gas transportation and distribution companies operate in an open access, non-discriminatory environment under which producers, large users and certain third parties, including distributors, are entitled to equal and open access to the transportation pipelines and distribution system in accordance with the Natural Gas Act, applicable regulations and the licenses for privatized companies. In addition, a regime of concessions under the Hydrocarbons Law is available to exploitation concessionaires to transport their own gas production.

The Natural Gas Act prohibits gas transportation companies from buying and selling natural gas. Additionally, gas producers, storage companies, distributors and consumers who contract directly with producers may not own a controlling interest (as defined in the Natural Gas Act) in a transportation company. Furthermore, gas producers, storage companies and transporters may not own a controlling interest in a distribution company, and no seller of natural gas may own a controlling interest in a transportation or distribution company (unless such seller neither receives nor supplies more than 20% of the gas received or transported, on a monthly basis, by the relevant distribution or transportation company).

Contracts between affiliated companies engaged in different stages in the natural gas industry must be reported to ENARGAS. ENARGAS may disapprove such contracts only if it determines that they were not entered into on an arms-length basis.

### *ENARGAS*

ENARGAS is an autonomous entity which functions under the Ministry of Economy and Public Works and Services of Argentina and is responsible for a wide variety of regulatory matters, including the approval of rates and rate adjustments and transfers of controlling interests in the distribution and transportation companies. ENARGAS is governed by a Board of Directors composed of five full-time directors who are appointed by the federal executive branch subject to confirmation by the Argentine Congress.

ENARGAS has its own budget which must be included in the Argentine national budget and submitted to Congress for approval. ENARGAS is funded principally by annual control and inspection fees that are levied on

regulated entities in an amount equal to the approved budget, net of collected penalties, and allocated proportionately to each regulated entity.

Conflicts between two regulated entities or between a regulated entity and a third-party arising from the distribution, storage, transportation or marketing of natural gas must first be submitted to ENARGAS for its decision. ENARGAS' s decisions may be appealed through an administrative proceeding to the Ministry of Economy or directly to the federal courts.



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### *Rate Regulation*

#### *Overview*

Since the adoption of the Public Emergency Law and the other emergency measures taken by the Argentine government in early 2002, the regulation of public utility tariffs including those for gas transportation and distribution has changed dramatically. The rapid implementation of these rate changes has resulted in a complex and often conflicting legal framework. Although the rate regulations described below are still in effect, in practice, they have for the most part been superseded by new regulations which we summarize later in this annual report. See Public Emergency Law. We cannot provide assurance on which regulatory scheme will ultimately be implemented by the Argentine government once it acts to conform the conflicting regulations.

The Natural Gas Act regulates the rates for gas transportation and distribution services, including those of TGS. Under the TGS license, TGS is permitted to adjust rates (i) semi-annually to reflect changes in the U.S. Producer Price Index, and (ii) every five years in accordance with efficiency and investment factors to be determined by ENARGAS. In addition, subject to ENARGAS's approval, rates may be adjusted from time to time to reflect cost variations resulting from changes in the tax regulations (other than income tax) applicable to TGS, and for objective, justifiable and non-recurring circumstances.

The Natural Gas Act provides that the tariffs for natural gas charged to end users by distribution companies shall consist of the sum of three components: (i) the price of gas purchased; (ii) the transportation tariff for transporting gas from the production area through the distribution system; and (iii) the distribution tariff. The rates of TGS are expressed in U.S. dollars and are adjusted every five years in accordance with efficiency and investment factors determined by ENARGAS. The ratemaking methodology contemplated by the Natural Gas Act and the TGS license is the price-cap with periodic review methodology, a type of incentive regulation which allows regulated companies to retain a portion of the economic benefits arising from efficiency gains.

Under the terms of the TGS gas transportation license, TGS could increase rates semi-annually based on the U.S. producer price index. In January 2000, ENARGAS, TGS and the other gas transportation and distribution companies agreed to postpone the Producers Price Index, or PPI, adjustment scheduled for January 2000. In August 2000, Decree No. 669/00 was issued which (i) allowed TGS to bill its customers retroactively for the January 2000 PPI rate adjustment over a 12-month period, and (ii) postponed any further PPI rate adjustments until July 2002. Decree No. 669/00 allows TGS to bill its customers retroactively for these postponed PPI rate adjustments beginning in July 2002. Decree No. 669/00 also allows TGS to add an interest charge to its bills in order to compensate it for the delay in billing these PPI rate adjustments.

In late August 2000, a court proceeding was commenced, which challenged the legality of Decree No. 669/00, claiming that the PPI rate adjustments contradict the Convertibility Law. The court suspended the application of Decree No. 669/00 and, subsequently, ENARGAS notified TGS that it should not apply any PPI rate adjustments until the court proceeding is resolved. As a result of the enactment of the Public Emergency Law, ENARGAS notified TGS of the suspension of the second five-year review of its tariffs. This review had begun in 2000. Because of certain provisions of the Public Emergency Law and our contract renegotiation efforts, we do not expect that Decree No. 669/00 will be upheld nor do we expect that TGS will ultimately be able to retroactively bill its clients for PPI rate adjustments.

Notwithstanding the foregoing, through Decree No. 689/02, the federal executive branch exempted the following from the pesification required by the Public Emergency Law and Decree No. 214/02: (i) tariffs for the regulated transportation of natural gas destined for export; (ii) agreements for the transportation of natural gas destined for export; and (iii) purchase and sale contracts for natural gas destined for export whose terms had been originally fixed

in a currency other than the Argentine peso (these contracts are to be invoiced and paid in U.S. dollars at an exchange rate of P\$1/U.S.\$1).

Decrees No. 689/02 and 704/02 excluded from pesification the obligations to pay in foreign currency incurred by individuals or companies residing or located outside Argentina, payable with funds coming from abroad, to individuals or companies residing or located in the country. Under Resolution No. 2,774/02, which was based on these decrees, ENARGAS reinstated the PPI index as an adjustment coefficient for transportation tariffs in respect of gas destined for exportation, and consequently, with respect to natural gas destined for exportation, approved the

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tariff schedules presented by TGS effective as of July 1, 2002, and permitted the denomination of the charges related to each type of service to be in U.S. dollars.

*Public Emergency Law*

The Public Emergency Law established that in contracts related to public works and services, clauses setting forth the price of such works and services in foreign currencies and indexation clauses based on foreign price indices or any other indexation mechanisms are no longer valid. Prices and tariffs resulting from those clauses had to be converted into pesos at a conversion rate of P\$1=U.S.\$1. Pursuant to this law, the Argentine federal executive branch is authorized to renegotiate the terms of these contracts. The criteria for these renegotiations include:

- the impact of tariffs on economic competitiveness and income distribution;
- the quality of the services to be provided and/or the capital expenditure programs provided for in the contracts;
- the interests of customers and accessibility to the services;
- the safety of the systems; and
- the provider's profitability.

On February 12, 2002, the federal executive branch issued Decree No. 293/02, putting the Ministry of Economy in charge of the renegotiation of contracts related to public works and in charge of selecting a Renegotiation Committee, which committee includes a representative of customers and assists the Ministry in the renegotiations. Since July 2003, by means of Decree No. 311/03, the renegotiation process has been conducted by the Union of the Renegotiation and Analysis of Public Service Contracts (*Unidad de Renegociación y Análisis de Contratos de Servicios Públicos*), which is comprised of the relevant secretaries of state with jurisdiction over the specific utility sector undergoing the renegotiation process. The Ministry of Economy was required to submit a renegotiation proposal or a rescission recommendation to the federal executive branch within 120 days of February 15, 2002. This proposal or recommendation would then be submitted to Argentine Congress for their review.

On March 21, 2002, the Renegotiation Committee delivered to the licensed companies guidelines on the renegotiation process approved by the Ministry of Economy. In April 2002, these licensed companies submitted to the Renegotiation Committee the information required by the guidelines and agreed to cooperate in finding realistic and possible solutions within a serious economic and social crisis of the country.

Early in August 2002, the Renegotiation Committee asked the licensees to set forth the tariff increases requested by each, and they, in turn, requested a public hearing for a discussion on this issue.

The process of contract renegotiation unilaterally imposed by the government did not show any significant progress in the year following its enactment. In the course of 2002, the public hearings convened for the tariff review were suspended by the Argentine courts. Within this framework, Resolution No. 38/02 of the Ministry of Economy ordered the regulatory agencies to suspend their five-year reviews on gas and electricity tariffs. This suspension does not cover the seasonal adjustments for producers, which is defined by the Secretary of Energy. Resolution No. 75/02 has approved the seasonal adjustment for the electricity market from May to October 31, 2002.

The national government tried to grant a tariff increase through Decree No. 2,437/02, which was also invalidated by the courts. In light thereof, the federal executive branch issued Decree No. 120/03, which tried to cast the Public Emergency Law in a manner that would permit an immediate grant of tariff increases to the licensed companies on account of future renegotiation of the contracts. In January 2003, the federal executive branch issued Decree No.

146/03, which establishes tariff increases as of January 30, 2003. Thereafter, a number of organizations representing consumers filed amparo proceedings to revoke those tariff increases and obtained judgments favorable to their claims.

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On December 4, 2003, Law 25,820 was promulgated, which extended up to December 31, 2004 the public emergency declared by Law 25,561 on social, economic, administrative, financial and foreign exchange matters, and the delegation of powers provided to the federal executive branch to renegotiate the tariffs of the public services and license contracts. This law empowers the federal executive branch to negotiate tariffs without being constrained by the applicable regulatory frameworks. Any legally permitted revisions of any current tariff must be authorized by the applicable regulatory agency to the extent these revisions fall within the scope of the renegotiation process led by the executive branch. Also, any agreed transitory changes to the utility service agreements and/or licenses must be considered in the definitive agreements.

*Modifications to the Regulatory Framework*

On February 16, 2004, Decree No. 180/04 was published in the Official Gazette providing for:

- (i) the creation of a trust fund (the trust will be funded by tariffs payable by users of the service, special credit programs and contributions from direct beneficiaries);
- (ii) the creation of an electronic market to coordinate spot transactions of the sale of natural gas and secondary market transactions for transportation and distribution of natural gas;
- (iii) the expansion of section 34 of Decree No. 1738 that regulates Gas Law 24,076 to prohibit distributors or their shareholders from having a controlling participation in more than one dealing company; and
- (iv) an authorization by the Secretary of Energy to take all necessary measures to maintain an adequate level of services in the event that it verifies that the system could face a supply crisis.

*Adjustment of the Price of Natural Gas in Wellhead*

On February 16, 2004, Decree No. 181/04 was published in the Official Gazette that instructed the Secretary of Energy to design a framework for the normalization of prices of natural gas at the wellhead. This framework is to be applicable to both distributors and major consumers. The decree authorizes the Secretary of Energy to negotiate with gas producers on a price framework for the adjustment of prices in sale contracts to distributors. It also authorizes the Secretary of Energy to determine a category of users who will not be able to buy gas from distributors but, rather, must buy directly from producers. A new mechanism for protection of this new category of consumers must be established to guaranty supply and price, and must be extended to July 31, 2005.

The decree further states that prices resulting from sales pursuant to the agreement with producers shall be the prices used as a reference for calculating and paying royalties. These prices will also be used by ENARGAS in calculating any necessary adjustments in tariffs that result from variations in the price of purchased gas. The decree also states that the framework shall adjust tariffs corresponding to form R for Residential Services and P for General Services. In addition, the decree states that all agreements for the sale of natural gas shall be filed with the gas electronic market, and the Secretary of Energy has the authority to regulate the sale of gas (i) between producers, and (ii) between producers and the dealers who they either control or are affiliated with.

On April 2, 2004, the Secretary of Energy entered into an agreement with natural gas producers, in which the following was agreed to:

the minimum volumes that natural gas producers must supply to the local market, including specified amounts for: (i) distributors who supply industrial users, (ii) clients of distributors (the New Direct Consumers ) who are prohibited from buying directly from distributors and must buy directly from producers, and (iii) power stations that generate electricity for the local market;

the authorization of the producers to increase the prices of natural gas according to a price roadmap which differs for each basin and that culminates in complete deregulation of the wellhead price of natural gas by January 1, 2007;

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the obligation of the distribution and generation companies to renegotiate the price and volumes of their supply contracts with producers who are also a party to the agreement. If an agreement is not reached after a 45-day period, producers are released from their obligation to supply natural gas to these distribution and generation companies;

the New Direct Customers have regulated prices through June 31, 2005; and

notice of all new supply agreements must be given to the Secretary of Energy and will be published in the electronic gas market once this market starts functioning.

This agreement has already been approved by Resolution No. 208 of the Ministry of Federal Planning, Public Investment and Utilities. The public hearings at ENARGAS took place on May 6, 2004.

In addition, on March 24, 2004, under Resolution No. 265 the Secretary of Energy imposed certain restrictions in order to avoid a crisis in the supply of gas to the domestic market. Specifically, export authorizations and exports of natural gas surplus volumes were suspended and the Undersecretary of Fuels was instructed to create a program for the rationalization of gas exports and the use of the country's transportation capacity.

Under Resolution No. 27/04, which was issued by the Undersecretary of Fuels, a Program for the Rationalization of Natural Gas Exports was approved and is in effect as long as natural gas volumes in the Argentine system fail to satisfy the domestic demand. In addition, an order of priority for the selection of companies that will be subject to export suspension restrictions was established taking into account the following factors: (i) the degree of compliance with the producers' commitment of gas supply to the domestic market (these commitments were established by each producer at the time the corresponding gas export authorization was granted), (ii) the history of sales to the domestic market, and as divided between sales to distributors and sales to direct consumers, and (iii) the impact that this suspension would have on the domestic market supply.

Except as expressly authorized by the Undersecretary of Fuels, no export authorizations will be granted if such authorizations would result in export volumes (not including surplus volumes) higher than those exported in 2003. For calculation purposes, volumes for each month will be compared with figures from the corresponding month of the previous year. In addition, excess volumes, if any, already exported by a producer will be offset until the end of the third quarter of 2004.

Producers that have not maintained the level of sales to the domestic market committed at the time of requesting their export authorizations will receive the average basin price for the domestic market as published by ENARGAS. On the other hand, producers who have complied with their obligations with respect to the supply of the domestic market will receive a value for their natural gas equal only to the value actually received under their respective export agreement.

On June 18, 2004 the Secretary of Energy passed Resolution 659/2004 by which the Complementary Program to Supply the Domestic Market of Natural Gas, which we refer to as the Complementary Program, was approved. The Complementary Program replaces the Program of Natural Gas Exportations and Transportation Capacity Rationing, which had been approved by Disposition 27/2004 issued by the Undersecretary of Fuels. The Complementary Program commenced on June 24, 2004 and partially eliminates the monthly and quarterly limits on the export of natural gas which was applicable under Disposition 27/2004.

On April 21, 2004, the Argentine government reached a six-month agreement with the Bolivian government. This agreement allowed Argentina to import up to 4 million cubic meters of natural gas from Bolivia per day. Also in April 2004, Resolution 185/04 of the Ministry of Federal Planning, Public Investment and Utilities was issued creating trust funds with the objective of financing infrastructure works in gas transportation.

On May 26, 2004, under Resolution 503/04 the Secretary of Energy approved a method for priority use of transportation for the supply by distributors of uninterruptible natural gas. This resolution is effective through August 31, 2004.



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Also in May 2004, under Executive Order 645/04, the government imposed a 20% export tax on all natural gas exports.

## **The Argentine Electricity Industry and Regulatory Framework**

### *Background*

Prior to 1991, virtually all of the electricity supply industry in Argentina was controlled by the public sector. Inefficient management and inadequate capital expenditures under that regime resulted in the deterioration of quality in service and physical equipment, poor financial condition and high rates for poor service.

Accordingly, the Argentine government enacted Decree No. 634/02 in March 1991, and the Argentine Congress enacted Law 24,065, known as the Regulatory Framework Law, in January 1992, establishing guidelines for the restructuring and privatization of the electricity sector within the framework of Law 23,696. The new regulatory framework of the sector established, as separate areas, the generation, transportation and distribution of electricity, and adopted separate regulatory regimes for each, thereby moving to a decentralized model with an increased participation in the private sector.

The privatization process began in February 1992 with the sale of several large thermal generation facilities, previously operated by Servicios Eléctricos del Gran Buenos Aires and has continued with the sale to the private sector of transmission and distribution facilities, as well as additional thermoelectric and hydroelectric generation facilities. The companies that have received concessions have also assumed a series of commitments to improve the quality and safety of the industry. They also plan to ensure supply by incorporating modern technologies and by making large investments in equipment and works.

Due to privatization, a higher level of quality has been achieved, with fewer losses of grid capacity during peak times. Wholesale prices have also been reduced as a direct result of new generation equipment in place of less cost-efficient power plants.

In order for the flow of revenues to be more closely associated with expenses and investments, the operations of the sector were denominated in U.S. dollars. This was because private operators often funded their large works through foreign lending institutions due to difficulty in obtaining significant amounts of financing at adequate rates in the domestic market.

### *Regulatory Framework*

#### *Overview*

The Secretary of Energy regulates electric power supply and grants and controls electricity sector concessions at the national level through the National Directorates for Coordination and Regulation of Prices and Rates and for Electricity Planning. The Federal Board of Electric Power, made up of representatives from each province, is an advisory body to the Secretary of Energy, which coordinates policies for the electricity sector. The Federal Entity of Electricity Regulation, or ENRE, is an autonomous body which reports to the Secretary of Energy and has overall supervisory power in the electricity industry. It is managed by a board of five members selected by the federal executive branch, two of whom are individuals from a list proposed by the Federal Board of Electric Power. The members of the board of directors of ENRE are not allowed to have any economic interest in the areas under their jurisdiction.

ENRE's purpose is to pursue the objectives set out in the Regulatory Framework Law and provide regulations regarding security, the standard quality of service, and procedures for technical areas such as metering and interpretation. Accordingly, ENRE's specific duties, among others, include: (i) establishing a tariff collection mechanism; (ii) establishing the criteria and conditions for awarding concessions; and (iii) safeguarding public safety, environmental protection and property rights relating to the construction and operation of generation, transmission, and distribution facilities.

ENRE has mandatory jurisdiction over all disputes between generators, transmitters and distributors in matters relating to the public supply, distribution and transportation of electricity. If ENRE becomes aware of

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practices that are inconsistent with the Regulatory Framework Law and other regulations, it is empowered to notify the interested parties, hold hearings and take the appropriate authorized action. In particular, ENRE can apply penalties for noncompliance with the Regulatory Framework Law and initiate and pursue legal actions to ensure compliance therewith. Appeals to ENRE's decisions may be filed directly before the Secretary of Energy and the courts.

ENRE is required to prepare an annual budget and to submit it to the regulated entities for approval. These regulated entities are required to pay a fee to ENRE on the basis of the approved budget and their respective share in the total gross profit of all regulated entities. In addition to revenues from regulated entities from this fee, ENRE is entitled to retain cash from fines and seizures.

### *Structure*

Under the current regulatory structure, generation of electricity in Argentina is organized as a competitive market, the Wholesale Electricity Market in which independent generators sell the power they produce to other generators, distribution companies, large scale users and into the spot market. The generation of electricity is characterized under the law as a public utility and as such is not highly regulated. In contrast, the transmission and distribution of electricity are considered public services and as such are licensed by the national and/or the provincial government. Transporters are obliged to permit third parties to have access to any available transmission capacity, but are not themselves authorized to buy or sell electricity, and are entitled to charge a toll for the provision of transmission services. Distributors are also regulated through the establishment of rates and specifications for quality of service. They are required to satisfy demand in their markets and, as long as they have any distribution capacity available, they have to permit large scale users, who have purchased electricity from a different source, to transmit such electricity through their network. Large scale users include (i) major large users, meaning consumers with a demand of at least 1.0 MW of electricity who are willing to execute contracts with a duration of at least one year and who purchase electricity through contracts that require that the suppliers meet at least 50% of their demand, and (ii) minor large users, meaning consumers with a demand between 0.1 MW and 2.0 MW of electricity who are willing to execute contracts with a duration of at least two years and who purchase electricity through contracts that require that the suppliers meet 100% of their demand.

### *Management and Operations of the WEM*

The activities of participants in the WEM are governed by the terms of the Regulatory Framework Law. Additionally, CAMMESA was specifically created by the federal government to perform the necessary administrative functions of the WEM. CAMMESA's capital stock is distributed equally among the entities representing generation companies, transmission companies, distribution companies, large scale users and the Secretary of Energy, each of which has the right to nominate two of CAMMESA's directors. The Secretary of Energy has a veto right over the decisions taken by CAMMESA. CAMMESA's operating costs are covered by mandatory contributions made by all the members of the WEM. CAMMESA does not itself buy or sell electricity, but it manages the physical transactions of the system and commercial transactions on the spot market.

In addition to the national structure of the WEM, medium-voltage transmission and distribution of electricity (except in the city of Buenos Aires, the greater Buenos Aires area and the city of La Plata) are also subject to provincial regulation. In particular, provincial governments may, in certain cases, forbid the direct sale of electricity to large scale users within their own jurisdiction. Large scale users connected to the national interconnected system (described below), however, cannot be prevented from purchasing electricity directly from generators.

### *Dispatch*

The dispatch of generating units into the WEM is managed by CAMESA based on the short-run marginal cost of each unit on the system. CAMESA defines the marginal cost of thermoelectric generating units for dispatching purposes as the cost of fuel delivered (natural gas, fuel oil, diesel oil or coal) for such unit to produce 1kWh. The marginal cost of hydroelectric plants with reservoirs that are overflowing is determined by a model that takes into account existing reservoir levels and projected hydroelectrical conditions for the subsequent six months. The marginal cost associated with flow-through hydroelectric generating units is zero, meaning that such units are the first to be dispatched.

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Generation companies advise CMMESA on a weekly basis of their anticipated available energy and other relevant information such as fuel type, price and anticipated consumption. CMMESA then ranks each generating unit according to that unit's marginal costs, taking into consideration the minimum operating load needed to keep generating units on line and expenses incurred in shutting down and restarting generating units. Based on this ranking, and in order for CMMESA to obtain the lowest overall system cost, generating units are dispatched to the network successively from the lowest cost generating unit to the highest cost generating unit until the demand for electricity is met. CMMESA is responsible for administering all transactions through the WEM, but is not involved in the actual settlement of transactions between generators, distributors and large users that have entered into either long-term or medium-term contracts.

CMMESA makes optimum dispatch arrangements without taking into account the existence of long-term and medium-term agreements between generators, distributors and large scale users. CMMESA also administers an option market in which generators may enter into option contracts known as cold reserve contracts. Finally, CMMESA coordinates the dispatching of generators in the spot market.

As a consequence of the crisis in Argentina, the Secretary of Energy issued Resolution 2/02, which specified the prices of power and the reference prices of fuels at an exchange rate of P\$1=U.S.\$1. This placed a limit on the generators' stated prices. Resolution No. 8/02 established market prices that accounted for part of the variable costs in production declared by the generators, and it also established a maximum price of \$120/MWh. Resolution No. 82/03 suspended the last seasonal increase of prices. Under Resolution No. 240/03, in connection with the spot market, generators are able to set a market price without considering potential restrictions in the supply of gas, and those generators, with costs higher than the established price, are individually paid their variable costs of production. By means of Resolution No.406/03 the Secretary of Energy established that all credits pending of payment by CMMESA as a consequence of the deficit of the Stabilization Fund (due to the suspension of the seasonal increase of prices) should be consolidated and paid once this fund has sufficient monies.

Resolution SE No. 984/03 authorized the WEM to call for bids for reserve of available capacity fuel for the Argentine winter period from May through October 2004. We participated with a bid of 550 MW from the Genelba Power Plant and were awarded in advance U.S.\$29,072,736.

Resolution SE No. 93/04 authorized summer quarterly rescheduling for the WEM, for the period from February up to April 30, 2004, establishing new reference seasonal prices for power and electricity.

### *Generation*

Power plants in Argentina are classified by the type of energy source used—hydroelectric, nuclear and thermoelectric (gas, fuel oil, diesel oil or coal). Power plants are also classified by capacity, defined as the net output the station is capable of sustaining for an indefinite period without causing damage to the station, which is referred to as declared net capacity.

### *Transmission*

In Argentina, bulk transfer of electricity is achieved by means of a national interconnected system, or NIS, which consists mainly of overhead lines and substations and covers approximately 90% of the territory of Argentina. Practically all of the NIS—500 kV transmission lines have been privatized and are owned by Transener. Apart from Transener, there are five other regional subtransmission companies in charge of transmitting energy at 132 kV and 330 kV voltages, and almost all large power plants use the NIS. Supply points connect the NIS to distribution systems and large users. In addition, there are two international connections: one between the Argentine transmission system and the Uruguayan transmission system, and the other between Argentina and Brazil, which permit the import or

export of electricity between these systems. The cost of transmission is charged to generators, distributors and large users. The transportation cost is made up of a variable charge corresponding to the energy transmitted across the system, and a fixed charge for (1) connection to the system, (2) transformation and (3) transmission capacity. Transmission companies operate as common carriers and must provide open access to all generation companies. Transmission rates are set by the concession contract and are to be subject to revision by ENRE. The law provides that services provided by transmission companies must be offered at fair and reasonable rates which yield sufficient income to meet reasonable operating costs applicable to service, taxes, depreciation and a reasonable rate of return. The rate of return should bear a relationship to (i) the energy costs, (ii) the use of

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transmission lines and (iii) the degree of operating efficiency of the business, and should be similar, as an industry average, to that of other domestic or international activities of similar or comparable risk. The rates that Transener may charge have been modified by the Public Emergency Law. See " The Argentine Gas Industry and Regulatory Framework Public Emergency Law.

Pursuant to Resolution No. 1650/98, ENRE approved an 8% overall reduction of Transener's tariffs for the second tariff period, July 1998 – June 2003, retroactive to July 17, 1998. In addition, a bonus subject to compliance with certain quality parameters was approved, and currently, Transener's quality levels entitle it to a bonus of approximately P\$2.5 million.

Since the beginning of the second tariff period, Transener's income from transportation capacity and connection has been reduced annually through the application of an efficiency ratio established by ENRE. Pursuant to Resolution No. 1319/98, the efficiency ratio applicable to the second tariff period is approximately 0.5% per annum.

### *Distribution*

Electricity is transferred from the NIS supply points to consumers by means of distribution systems consisting of a widespread network of overhead lines, underground cables and substations having successively lower voltages (220 kV and below). In general, electricity users in Argentina are the users of the distributor within whose area of distribution the premises of such consumer are located. Each user is charged in accordance with the applicable tariff. Distributors' charges seek to recover the various costs associated with supply, including the electricity purchase costs and transmission and distribution charges, in addition to, the added value of distribution. In accordance with Law 24,065, and in the case of transmission companies, services provided by electricity distributors must be offered at fair and reasonable rates which yield sufficient income to meet reasonable operating costs applicable to service, taxes, depreciation and a reasonable rate of return. The rate of return should bear a relationship to the degree of operating efficiency of the business, and should be similar, as an industry average, to that of other domestic or international activities of similar or comparable risk. Similarly, distributors are required to include a representative figure for the acquisition cost of electricity from the WEM in the electricity sales price to end-users.

Each distributor operates in accordance with a concession agreement executed between itself and the Argentine government or provincial government, depending on whether the distributor is under federal or provincial jurisdiction, which provides for, among other things, the area of its concession, the quality of service that it is required to provide, the tariffs it is permitted to charge and its obligation to satisfy demand. ENRE, in the case of distributors under the federal jurisdiction (Edenor, Edesur and Edelap), and the provincial regulatory agencies in each of the provinces, monitor compliance by the distributor with the provisions of the concession agreement and the regulatory framework and provide a mechanism for public hearings at which complaints against the distributor can be heard and resolved.

### *Rate Adjustment Method*

Under the terms of the concession contract, the rate adjustment structure applicable by Edesur is calculated in U.S. dollars but stated in Argentine pesos, taking into account the rate for conversion into Argentine pesos provided for in section 3, Decree No. 2128/91, containing the regulations under Law 23,928. Distribution costs are adjusted on an annual basis and, among other things, are subject to the application of the U.S. wholesale price index for industrial products.

Since the adoption of the Public Emergency Law and other emergency measures taken by the Argentine government in early 2002, the regulation of public utility tariffs, including those related to transportation and distribution of electricity, has changed dramatically. The rapid implementation of these rate changes has resulted in a complex and oftentimes conflicting legal framework. Although the rate regulations described below are still in effect,

in practice they have been superseded by the new regulations described under The Argentine Gas Industry and Regulatory Framework Public Emergency Law. We cannot assure which regulatory scheme will ultimately be implemented by the Argentine government once it acts to conform the conflicting regulations.



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On December 2, 2003, Law 25,820 was promulgated, which extended until December 31, 2004 the public emergency declared by Law 25,561 on social, economic, administrative, financial and foreign exchange matters, and the delegation of powers therein provided to the federal executive branch to renegotiate the tariffs of the public services and license contracts. This authorization empowers the national executive branch to negotiate such tariffs without being constrained by the applicable regulatory frameworks. The legally permitted revisions of any current tariff should be decided by the applicable regulatory agency to the extent that these revisions fall within the scope of the renegotiation process led by the federal executive branch. In addition, the transitory changes made to the utility service agreements and/or licenses should be considered in the definitive agreements that may be reached with respect thereto.

## **The Venezuelan Petroleum and Gas Industry and Regulatory Framework**

### *Overview*

The Venezuelan state is owner of all hydrocarbon fields and as such has established methods different from Argentina for the regulation of the exploitation of hydrocarbon located in Venezuelan fields.

The Gas Hydrocarbons Organic Law published on September 23, 1999 in Official Gazette No. 36,793, was issued to regulate the exploitation of free gas and the transportation, distribution, collection, storage, industrialization, handling and internal and external commerce of associated gas and free gas, permitting the private sector's participation in these activities. This was later regulated by Decree No. 840 of May 31, 2000.

In December 1999, the new Venezuelan Constitution became effective, which contains provisions related to petroleum activity. Article 12 of the Constitution states that oil fields are the property of the Venezuelan state. Article 302 of the Constitution reserves petroleum activity to the Venezuelan state. Article 303 of the Constitution states that, PDVSA or the entity created for the management of petroleum activity (except for affiliates, strategic associations, companies or any other company set up to develop PDVSA's business) is owned by Venezuelan state.

The new Hydrocarbons Organic Law published on November 13, 2001 in Official Gazette No. 37,323 was issued, effectively reversing most prior related legislation, except for the Gas Hydrocarbons Organic Law, and granted ample opportunity for the private sector to participate in the industry, limiting the activities reserved by the Venezuelan state to primary activities, and to the sale of crude oil and specific products.

The purpose of the Hydrocarbons Organic Law is to regulate everything related to the exploration, exploitation, refinery, industrialization, transportation, storage, commercialization and conservation of hydrocarbons, and everything related to refined products and works that the performance of these activities require. The law sets forth the following principles: (i) hydrocarbon fields are public property, (ii) hydrocarbon activities are activities of public utility and of social interest, and (iii) activities described in the law are subject to decisions of the Venezuelan state adopted in connection with international treaties and agreements on hydrocarbons.

### *The Performance of Hydrocarbon Related Activities*

The primary activities expressly reserved by law to the Venezuelan state can only be performed by: (i) the executive branch, (ii) wholly owned state entities, or (iii) companies in which the Venezuelan state owns at least 50% of the capital stock. Activities related to the internal and external sale of natural hydrocarbons and the derivatives, specifically mentioned by the executive branch, can only be performed by wholly owned state entities. Installations and existing facilities dedicated to the refining of natural hydrocarbons in the country and to the transportation of products and gas are reserved to the Venezuelan state.

Hydrocarbon refining activities may be carried out by the Venezuelan state and private entities, in a joint effort or separately. Those activities relating to the internal and external sale of derivative products, which have not been reserved by the executive branch to be carried out by wholly owned state entities, may be carried out directly by (i) the Venezuelan state, (ii) by wholly owned state entities, (iii) by entities with public and private capital in any proportion, or (iv) by private entities. Pursuant to Decree No. 1,648 dated January 15, 2002, activities related to the exportation and importation of products derived from hydrocarbons that have been carried out in the past by wholly owned state entities shall continue to be carried out in such manner until those products are specifically excluded in order to create an international market for them. Internal commercial activities regarding services deemed as public

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may be performed by anyone who obtains a permit. The sale of refined hydrocarbons may be performed by (i) the Venezuelan state, (ii) its wholly owned state entities, (iii) entities with public and private capital in any proportion, and (iv) private entities.

In order for the Venezuelan state to carry out its activities, the executive branch is authorized to create, through a Council of Ministers, wholly owned state entities of any kind, including corporations. These entities may also create other entities, with the approval of their shareholders, or modify their corporate purpose, merge, enter into joint ventures, liquidate, and create affiliates. These wholly owned state entities are regulated by (i) Decree No. 1,648 and its regulations, (ii) their by-laws, (iii) dispositions of the executive branch and certain entities connected with the Ministry of Energy and Mines, and (iv) applicable law. They are also subject to local and international inspection and audit and must comply with guidelines and policies of the executive branch administered through the Ministry of Energy and Mines.

The private sector may participate in primary hydrocarbon related activities only through entities in which the Venezuelan state holds the majority of the capital. The creation of these entities and the conditions under which they will carry out their activities must be previously approved by the National Assembly, which may modify the conditions proposed or set forth conditions that it, itself, considers suitable. These entities must meet the following minimum conditions: (i) must have a maximum duration of 25 years (which may be extended for 15 years), (ii) must provide information regarding location, orientation and extension of the area, (iii) all of their assets must be reserved and turned over to the Venezuelan state once the activity ends, and (iv) any dispute among its shareholders must be resolved through private negotiations or arbitration and shall be subject to the Venezuelan legal system.

### *Licenses and permits*

Entities that wish to carry out activities related to the refining of natural hydrocarbons must obtain a license from the Ministry of Energy and Mines. This license is subject to certain conditions. Entities that wish to carry out activities related to the processing of refined hydrocarbons must obtain a permit from the Ministry of Energy and Mines. This permit is also subject to certain conditions. Entities that wish to carry out activities related to the domestic sale of refined hydrocarbons must obtain a permit from the Ministry of Energy and Mines.

### *Relevant tax features*

#### *Income Tax*

Venezuelan income tax law imposes a tax at a rate of 50% on the net taxable income of persons involved in hydrocarbon related activities, or activities related to the purchase or acquisition of hydrocarbons and derivatives for exportation. These persons may be authorized to deduct from their income tax 8% of the value of new investments in fixed assets up to a maximum amount equal to 2% of their annual income for the relevant fiscal year. Any excess may be used in the following three fiscal years. Four percent of certain investments in high waters may also be deducted. Accelerated amortization and depreciation of fixed assets and direct or indirect expenses necessary for the drilling of oil wells is permitted.

Activities related to the exportation of extra-heavy hydrocarbons through vertically integrated projects or the exploration or exportation of natural non-associated gas are subject to a 34% rate.

Contractors dedicated to exploration and production activities under operative agreements with state companies are subject to a 34% rate.

#### *Value Added Tax*

Subject to certain exceptions, in particular for exporting companies, imports and local purchases of goods and services are subject to a value added tax, or VAT, at a rate of 16%, with a limited number of goods and services subject to a VAT at a rate of 8%.

In operative contracts for the rehabilitation of marginal fields, the VAT on goods and services acquired by the contractor in the name of the state company shall be considered directly charged, under the Third Round Agreements, to that entity and, therefore, will have no economic effect on the contractor.

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### *Municipal Taxes*

Hydrocarbon activity is not subject to municipal taxes, as taxes on this activity are exclusively reserved for the national executive branch.

Income from contractors that have entered into operative contracts with state companies for the rehabilitation of marginal fields is subject to a tax on gross income. The municipality in which the contractors perform their activities sets this rate. Under the Second Round Agreements, municipal taxes paid by a contractor can be recovered from the state. However, under the Third Round Agreements, only municipal taxes in excess of 41% of gross income may be recovered from the state, subject to certain conditions.

### *Additional Matters*

#### *OPEC*

Venezuela is a founding member of the Organization of Petroleum Exporting Countries. In the past, PDVSA, under instructions from the Ministry of Energy and Mines, has adjusted its own production to assure that Venezuela as a whole complies with the production ceilings set forth by OPEC.

The Venezuelan government has created a policy of strict compliance with the production quotas decided within OPEC. Article 6 of the new Hydrocarbons Law extends reductions such as those that may be set forth by OPEC to all persons that perform activities regulated by the Hydrocarbons law. As a result of this, if there are production cuts, these cuts may directly affect private producers and contractors as well as PDVSA.

Under agreements that specifically contemplate production costs (e.g., the Third Round Agreements), the reductions that may be imposed on the contractor may not exceed the percentage of reduction in production requested from petroleum companies that operate in Venezuela as a whole, including Petr leos Venezuela, S.A. and its affiliates. These reductions must be determined in each case with respect to available production capacity. If the contractor cannot recuperate losses resulting from these production cuts by increasing production to an adequate level, it has the right to extend the original 20 year term of its operating agreement in order to produce the same quantity that it would have produced without the production cut.

#### *Exchange Control System*

On February 5, 2003, the Venezuelan government set forth an exchange control system (Exchange System Agreement No. 1 of February 5, 2003, as amended on March 19, 2003). These regulations state that companies set up for the purpose of developing any of the activities described in the Hydrocarbons Organic Law may maintain outside of Venezuela accounts in currency other than the currency of Venezuela in banking or similar institutions only for purposes of meeting their obligations outside Venezuela, which obligations must be verified by the Central Bank of Venezuela. Any other foreign currency generated by such companies must be sold to the Central Bank of Venezuela. These companies do not have the right to acquire foreign currency from the Central Bank of Venezuela to make foreign currency payments. These limitations do not apply to contractors who have entered into operative agreements, and, thus, act on account of the PDVSA. These companies are only obligated to sell to the Central Bank of Venezuela any foreign currency that they voluntarily bring into Venezuela.

## **The Bolivian Petroleum and Gas Industry and Regulatory Framework**

### *Overview*

In Bolivia, the System of Regulation by Sectors, or SRS, has the responsibility to regulate, control and supervise telecommunications, electricity, hydrocarbons, transportation and water activities, to assure that they operate efficiently, protecting the interest of users, service providers and the Bolivian state by contributing to the development of the country.

The SRS Law of October 1994 created the SRS and defined the functions of the General Superintendent and the general attributes of the Sectors Superintendent. The SRS Law and its regulations include provisions related to antitrust and competition, appeal mechanisms, and procedures to address claims from users.

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Subsequently, laws were enacted that regulate different public services, including hydrocarbons. In particular, these laws create rules related to the granting of rights, prices and tariffs, quality of services, coverage, technological innovation, entry and exit control, use of natural resources, users' claims, and they regulate issues related to industrial organization, identifying the different market structures of each industry.

### *Hydrocarbons Law 1689*

Pursuant to the Hydrocarbons Law 1689 of April 30, 1996, the right to explore and exploit hydrocarbons fields and to commercialize their products is exercised by the Bolivian state through Yacimientos Petrolíferos Fiscales Bolivianos, or YPFB, which enters into shared risk agreements that may not exceed 40 years for the exploration, exploitation and commercialization of hydrocarbons. YPFB also administers and audits the shared risk agreements. All controversies arising between YPFB and the contractors under shared risk agreements must be resolved through arbitration with application of Bolivian law.

The holders of shared risk agreements shall have the right to explore, exploit, extract, transport and commercialize production. Volumes needed to satisfy internal demand for natural gas and to comply with the exportation agreement entered into by YPFB are not freely disposable, and the Hydrocarbons Superintendent periodically sets these volumes.

Producers of hydrocarbons have the right to construct and operate pipelines for transportation of their own or third parties' production.

The refining and industrialization of hydrocarbons and the commercialization of hydrocarbon products is not restricted and may be carried out by any entity with due registration from the Hydrocarbons Superintendent, as long as that entity complies with specific legal requirements.

## **The Ecuadorian Petroleum and Gas Industry and Regulatory Framework**

### *Legal and Regulatory Framework*

Petroleum activity in Ecuador is regulated by (i) the Hydrocarbons Law (of Ecuador) and its regulations, (ii) certain Ministry of Energy and Mines regulations, and (iii) the specific terms of a tender for public auction.

### *Regulatory Authorities*

The executive branch, led by the President of the Republic, regulates hydrocarbon policies. The Ministry of Energy and Mines sends hydrocarbon policies to the President for his consideration.

### *Audit Authorities*

The National Directorate of Hydrocarbons, who is under the authority of the Ministry of Energy and Mines, is the technical and administrative entity in charge of controlling and auditing hydrocarbon operations. The National Directorate for Environmental Protection, who is also under the authority of the Ministry of Energy and Mines, is in charge of approving environmental impact studies and environmental management plans.

### *Exploration and Exploitation of Hydrocarbons*

Hydrocarbons and related products are the property of the Ecuadorian state. Hydrocarbon activities are performed by the Empresa Estatal de Petroleos Ecuador, which we refer to as Petroecuador, by and through third parties.

The award of exploration and exploitation agreements is performed through a special tender mechanism implemented by relevant authorities. In order to reach the exploitation phase, the contractor may only retain those areas with commercially exploitable hydrocarbons. If the contractor fails to comply with this requirement, it will be forced to return those areas to the state. The exploration and exploitation agreements for crude oil in Ecuador are generally divided into two stages. The first stage, or the exploration period, lasts four years and is renewable for



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another two years. The second stage, or the exploitation period, may be up to twenty years in duration and is renewable. Both exploration and exploitation agreements require an exploratory program agreeable to all parties. A minimum average investment of U.S.\$120 to U.S.\$180 per hectare, either on land and/or in seawater, shall be made during each of the first three years of the exploration period. Royalties are paid as follows: (i) 12.5% for daily gross production levels less than 30,000 barrels, (ii) 14% when these daily levels are between 30,000 and 60,000 barrels, and (iii) 18.5% when gross production exceeds 60,000 barrels per day. With respect to contracts for specified services or for marginal or participation fields, the contractor is not obliged to pay royalties. The contractor may not sell any of the assets related to the agreement without authorization from the Ministry of Energy and Mines. At the end of the term of the agreement, the contractor shall deliver to Petroecuador, at no cost, all these assets.

The contractor assumes at its own risk and expense all investments, costs and expenses required to perform these hydrocarbon related activities, and, in turn, it has the right to receive a portion of the production of the area covered by the agreement, with Petroecuador having the right to the other portion. Petroecuador may enter into joint venture agreements by contributing rights over areas, fields, hydrocarbons or other rights. Petroecuador's joint venture party, in turn, acquires these rights and is obligated to make the investments agreed to by the parties. In services agreements, the contractor shall provide exploration and exploitation services in the agreed area at its own risk and expense. If the contractor finds commercially exploitable fields, it shall have the right to be reimbursed for its investments, costs and expenses and will also have the right to be paid for its services.

Prior to initiating any work, an environmental impact study and an environmental management plan must be prepared. Consultation and participation procedures, referred to in the National Constitution, must be complied with while taking into consideration local rules of the citizens in the affected area, as well as the rules applicable to all other citizens.

## **The Brazilian Petrochemical Industry and Regulatory Framework**

### *Overview*

The petrochemical industry in Brazil transforms crude oil by-products or natural gas into widely used consumer and industrial goods. The Brazilian petrochemical industry is generally organized into three sectors, each characterized by the stage of transformation of various petrochemical feedstocks: first generation companies, second generation companies and third generation companies.

### *First Generation Companies*

Brazil's first generation companies, which are referred to as crackers, break down or crack naphtha, their principal feedstock, into basic petrochemicals. The crackers currently purchase their naphtha, which is a by-product of the oil refining process, from Petrobras. The basic petrochemicals produced by the crackers include olefins, primarily ethylene, propylene and butadiene and aromatics, such as benzene, toluene and xylenes. Companhia Petroquímica do Nordeste, or Copene, Companhia Petroquímica do Sul, or Copesul, and Petroquímica União S.A., or PQU - Brazil's three crackers - sell these basic petrochemicals to second generation companies. The basic petrochemicals, which are in the form of either gases or liquids, are transported to the second generation companies' nearby plants through pipelines for further processing.

### *Second Generation Companies*

Second generation companies process the basic petrochemicals purchased from the crackers to produce intermediate petrochemicals. These intermediate petrochemicals include:

polyethylene, ethylene oxide, polystyrene and polyvinylchloride, or PVC, each produced from ethylene;

polypropylene, oxo-alcohols and acrylonitrile, each produced from propylene;

caprolactam, produced from benzene;

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purified terephthalic acid, or PTA, produced from p-xylene; and

styrene butadiene rubber and polybutadiene, each produced from butadiene.

There are approximately 48 second generation companies operating in Brazil, including Innova. The intermediate petrochemicals are produced in solid form as plastic pellets or powders and in liquid form and are transported by truck to third generation companies, which generally are not located near the second generation production facilities.

### *Third Generation Companies*

Third generation companies, known as transformers, purchase the intermediate petrochemicals from the second generation companies and transform them into final products. These final products include:

plastics produced from polyethylene, polypropylene and PVC;

acrylic fibers produced from acrylonitrile;

polyester produced from PTA and ethylene glycol;

nylon produced from caprolactam; and

elastomers produced from butadiene.

The third generation companies produce a variety of consumer and industrial goods, including containers and packaging materials, such as bags, film and bottles, textiles, detergents and paints as well as automobile parts, toys and consumer electronic goods. There are over 6,000 third generation companies operating in Brazil.

### *Petrochemical Complexes*

The production of first and second generation petrochemicals in Brazil centers around three major complexes. These are the Northeast Complex, the São Paulo Petrochemical Complex, which we refer to as the São Paulo Complex, and the Southern Petrochemical Complex, which we refer to as the Southern Complex. Each complex has a single first generation producer or cracker, and several second generation companies which purchase feedstock from the crackers.

The Northeast Complex, located in the municipality of Camaçari in the State of Bahia, began operations in 1978. The Northeast Complex consists of approximately 25 second generation companies, situated around Copene as the raw materials center. Copene has at present an ethylene capacity of 1.2 million metric tons per annum.

The São Paulo Complex, at Capuava in the State of São Paulo, was created in 1972 and is the oldest petrochemical complex in Brazil. Its raw material center, PQU, supplies first generation petrochemicals to 15 second generation companies. PQU has an ethylene production capacity of 500,000 metric tons per annum.

The Southern Complex, located in the municipality of Triunfo (where Innova is located) in the Southern State of Rio Grande do Sul, is based around the raw materials center, Copesul, and includes eight second generation companies, including Innova. In July 1999, Copesul finalized an expansion project which increased ethylene production capacity to 1,135,000 metric tons per annum from 680,000 metric tons per annum.

### *Environmental, Health and Safety Standards*

Innova is subject to Brazilian federal, state and local laws and regulations governing the protection of the environment. Innova is regulated at the federal level primarily by the Brazilian Institute of the Environment and Renewable Natural Resources (*Instituto Brasileiro de Meio Ambiente e Recursos Naturais Renováveis*) and by National Council of the Environment (*Conselho Nacional do Meio Ambiente*), or CONAMA.

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Pursuant to federal and state environmental laws and regulations, Innova is required to obtain permits for its manufacturing facilities. Authorities in the state where a plant is located may regulate its operations by prescribing specific environmental standards in its operating permits. These environmental standards are prescribed and updated by governmental regulations. In addition, Innova must satisfy regulatory authorities that the operation, maintenance, termination and reclaiming of facilities are in compliance with regulations and are not prejudicial to the environment.

Environmental regulations apply to all operations of Innova, and in particular to the discharge, handling and disposal of gaseous, liquid and solid products and by-products of Innova's manufacturing activities. Rules issued by CONAMA and by state authorities also prescribe preventive measures relating to environmental pollution and waste treatment requirements. In addition, the transportation and storage of Innova's products and supplies are subject to specific standards designed to prevent spills, leakages and other accidents.

Environmental regulations have imposed increasingly strict standards, higher fines, greater exposure to liability and increased operating costs and capital expenditures. In addition, civil, administrative and criminal sanctions, including fines and the revocation of licenses may apply to violations of environmental regulations. Under applicable law, Innova is strictly liable for environmental damages. Innova actively participates in the responsible care program, which establishes international standards for environmental and occupational health and safety practices for chemical manufacturers.

Innova is also subject to federal, state and local laws and regulations that prescribe occupational health and safety standards. In accordance with such laws and regulations, Innova is required to report on its occupational, health and safety records on a yearly basis to the local office of the Ministry of Labor in each of the states in which it operates. In addition, Innova is subject to all federal, state and local government regulation and supervision generally applicable to companies engaged in business in Brazil, including labor laws, social security laws, public health, consumer protection, securities laws and antitrust laws.

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**ORGANIZATION STRUCTURE**

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The following is a summary diagram of our material subsidiaries and affiliates as of the date of this annual report, including information about ownership, business segment and location:

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**PROPERTY, PLANTS AND EQUIPMENT**

We have freehold and leasehold interests in various countries in South America, but there is no specific one that is individually material to our company. The majority of our property, consisting of oil and gas reserves, service stations, refineries, petrochemical plants, power plants, manufacturing facilities, power distribution systems, stock storage facilities, gas pipelines, oil and gas wells, pipelines and corporate office buildings, is located in Argentina. We also have significant interests in crude oil and natural gas operations outside Argentina in Venezuela, Ecuador, Bolivia and Peru, two refineries in Bolivia, and a petrochemical plant in Brazil. For a more detailed description of our property, plants and equipment, including information on our oil and gas reserves and production see Business Overview.



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**Item 5. OPERATING AND FINANCIAL REVIEW AND PROSPECTS**

In addition to the management discussion below, you should carefully read Petrobras Energía Participaciones' s consolidated financial statements and selected financial data included elsewhere in this annual report for additional financial information about us. Our consolidated financial statements were prepared in accordance with Argentine GAAP, which differs in certain significant respects from U.S. GAAP. Note 22 to our consolidated financial statements provides a description of the principal differences between Argentine GAAP and U.S. GAAP as they relate to us, and note 23 provides the reconciliation to U.S. GAAP of net income, shareholders' equity and certain other selected financial data.

**OVERVIEW**

We are a holding company whose only asset is our 98.21% equity interest in Petrobras Energía common stock. We acquired control of Petrobras Energía on January 25, 2000 as a result of the completion of an exchange offer of our Class B shares for 69.29% of Petrobras Energía' s common stock. See note 12 to our financial statements for further information relating to our exchange offer. Prior to January 25, 2000, our only asset was our minority interest in Petrobras Energía. As of December 31, 1999, we owned 28.92% of Petrobras Energía' s capital stock.

We are an integrated energy company engaged in oil and gas exploration and production, refining, petrochemicals, electricity generation, transmission and distribution and hydrocarbons marketing and transportation. We conduct operations in Argentina, Bolivia, Brazil, Ecuador, Peru and Venezuela. Our long-term strategy is to grow as an integrated energy company with a leading presence in Latin America as part of the Petrobras group, while focusing on profitability as well as social responsibility.

In accordance with the procedures set forth in Technical Resolutions Nos. 4 and 19 of the FACPCE beginning in 2003, we were required to consolidate on a proportional basis the financial statements of companies over which we exercise joint control. We have restated our financial statements as of and for the years ended December 31, 2001 and 2002 to reflect this change as well as recent changes in Argentine GAAP. See note 3 to our consolidated financial statements. The tables below present selected consolidated financial data of Petrobras Energía and its subsidiaries including the proportional consolidation of certain companies under joint control, as compared to such data excluding the proportional consolidation of such companies under joint control, in each case for the fiscal years indicated.

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	<b>With Proportional Consolidation For the Year Ended December 31,</b>			<b>Without Proportional Consolidation For the Year Ended December 31,</b>		
	<b>2003</b>	<b>2002</b>	<b>2001</b>	<b>2003<sup>(1)</sup></b>	<b>2002<sup>(1)</sup></b>	<b>2001<sup>(1)</sup></b>
Net sales	5,494	5,106	5,170	4,615	4,587	3,614
Costs of sales	(3,386)	(3,284)	(3,347)	(2,813)	(2,878)	(2,459)
Gross profit	2,108	1,822	1,823	1,802	1,709	1,155
Administrative and selling expenses	(559)	(609)	(665)	(464)	(532)	(510)
Exploration expenses	(196)	(58)	(41)	(196)	(58)	(41)
Other exploitation income (loss) net	(121)	(28)	23	(104)	(28)	20
Exploitation income <sup>(2)</sup>	1,232	1,127	1,140	1,038	1,091	624
Equity in earnings of affiliates	163	(638)	119	373	(647)	204
Financial income (expense) and holding gains (losses)	(417)	(1,827)	(573)	(569)	(1,659)	(451)
Other expenses, net <sup>(3)</sup>	(421)	(187)	(88)	(407)	(178)	(14)
Income (loss) before income tax and minority interest in subsidiaries	557	(1,525)	598	435	(1,393)	363
Income tax provision	(18)	(82)	(385)	(47)	(209)	(249)
Minority interest in subsidiaries	(158)	28	(112)	(7)	23	(13)
Net income (loss)	381	(1,579)	101	381	(1,579)	101

(1) For a reconciliation of our results to our results as adjusted to reflect the elimination of proportional consolidation see Reconciliation Tables at the end of this Item 5.

(2) As used in this annual report, exploitation income means gross profit plus or minus administrative and selling expenses, exploration expenses and other exploitation income (expense), net. We present exploitation income as an indicator of our income from operations. Other jurisdictions define operating income to include certain expenses that we do not present as part of our operating income.

(3) Includes impairment charges for some of our assets including our assets in Ecuador.

In the columns above showing our results without proportional consolidation, the results of companies under joint control are shown under equity in earnings of affiliates.

The companies over which we exercise joint control are Distrilec, CIESA and Citelec. Joint control exists where all the shareholders have resolved, on the basis of written agreements, to share the power to define and establish a company's operating and financial policies.

In the consolidation of companies over which we exercise joint control, the amount of our investment in the subsidiary under joint control and our interest in its income (loss) and cash flows are replaced by our proportional interest in the subsidiary's assets, liabilities, income (loss) and cash flows. Related party receivables, payables and transactions within the consolidated group and companies under joint control have been eliminated in the consolidation pro rata to the shareholding of the controlling company.

We consolidated proportionally line by line the assets, liabilities, income (loss) and cash flows of Distrilec for all periods covered by the financial statements included in this annual report.

We consolidated proportionally line by line the assets, liabilities, income (loss) and cash flow of CIESA for the 2003 and 2001 fiscal years. For the 2002 fiscal year, however, we did not proportionately consolidate on a line by line basis the assets, liabilities, earnings and cash flow of CIESA, since, as of December 31, 2002 our equity interest in such company had a P\$33 million negative value. Since we have not assumed any commitments to make capital contributions or provide financial assistance to CIESA, such shareholding was valued at zero and CIESA's results were not consolidated.

In accordance with Argentine GAAP, we did not consolidate proportionally line by line our financial statements with the financial statements of Citelec because we have committed to sell our interest in Citelec to comply with the restrictions imposed by the Argentine authorities in connection with the transfer of our control to Petrobras.

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**The discussion of our results and financial condition below is presented both on the basis of our consolidated financial data with the proportional consolidation of such joint controlled companies as described above and without proportional consolidation. The financial data discussed below excluding proportional consolidation is not directly comparable to the corresponding financial data set forth in our financial statements included in this annual report.**

Both CIESA and Distrilec are primarily engaged in regulated energy businesses in Argentina, through TGS and Edesur, respectively. Both have been significantly affected by the Argentine crisis and the Public Emergency Law. CIESA and TGS have defaulted on their debt and are in restructuring discussions with their creditors. See Factors Affecting Our Consolidated Results of Operations Economic and Political Developments in Argentina Impact on our Investments in Utility Companies. There are significant uncertainties regarding the ability of CIESA and TGS to continue operating as going concern. We are not committed, and do not expect, to make any further capital contributions or financial assistance to CIESA, TGS and Distrilec, and we have not received dividends from these companies since 2001. Accordingly, our management analyzes our results and financial condition separately from the results and financial conditions of these companies and we believe financial information without proportional consolidation is useful to investors in evaluating our financial condition and results of operations.

## **FACTORS AFFECTING OUR CONSOLIDATED RESULTS OF OPERATIONS**

### **Economic and Political Developments in Argentina**

We are an Argentine corporation with 63.6% of our total assets, 69.2% of our net sales, 58% of our combined crude oil and gas production and 40% of our proved oil and gas reserves located in Argentina as of December 31, 2003. Fluctuations in the Argentine economy and actions adopted by the Argentine government have had and will continue to have a significant effect on Argentine private sector entities, including us. Specifically, we have been affected and might be affected by inflation, interest rates, the value of the peso against foreign currencies, price controls, regulatory policies, business regulations, tax regulations and in general by the political, social and economic environment in and affecting Argentina.

Starting in the second half of 1998 and through 2002, the Argentine economy was mired in a severe economic recession, with GDP declining 3.4% in 1999, 0.8% in 2000, 4.4% in 2001 and 10.9% in 2002. In 2002, the peso was devalued by 237.0% (having reached 290% as of June 25, 2002), and Argentina experienced a rise in the wholesale price index of 118.2% and in the consumer price index of 41%.

Our financial results were negatively impacted by drastic political and economic changes that took place in Argentina in 2002. The decrease in industrial output led to decreased demand for energy products in Argentina, particularly for petrochemical and refined products. In late 2002, as the foreign exchange and capital flows began to stabilize, the Argentine government gradually began to lift some of the monetary and exchange control measures it had implemented to prevent a collapse of the banking system. The lifting of these measures served to boost economic activity.

In 2003, the Argentine economy began to recover, with GDP growing 8.7%. This recovery, at first based almost exclusively on import substitution, broadened as the level of consumption and investment increased. Reflecting the economic recovery, Argentine stock exchange indices displayed great dynamism in 2003, and both labor indicators and salary purchasing power registered consistent improvements during the year.

The long-term evolution of the Argentine economy, however, remains uncertain. While economic, political and social conditions have improved, the country still faces significant challenges, including the restructuring of Argentina's sovereign debt, the renegotiation of utility contracts, the restructuring of the financial system and reforms

to Argentina's tax regime. In light of this uncertain situation, the following discussion may not be indicative of our current or future results of operations, liquidity or capital resources. The recent volatility of the Argentine economy has affected the comparability of our results in the last three years. The following discussion should be read in conjunction with, and is qualified in its entirety by, the risk factors contained in this annual report. See Item 3. Key Information Risk Factors Factors Relating to Argentina.

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The most important factors arising from Argentina's economic crisis that have affected our results of operations are the following:

*Argentine Peso Devaluation*

During 2002, following the government's termination of the peso's one-to-one exchange rate parity with the U.S. dollar, the peso registered a significant devaluation against foreign currencies, losing 238% of its value against the U.S. dollar. As of December 31, 2002, the peso's nominal exchange rate was P\$3.38 to U.S.\$1, up from a P\$1 to U.S.\$1 rate as of December 31, 2001. In 2003, however, in part as a result of the measures adopted by the Argentine government to stabilize the exchange rate, the peso began to recover its value. As of December 31, 2003, the peso exchange rate stood at P\$2.94 to U.S.\$1.

Since all of our financial debt and a significant portion of our affiliates' debt is denominated in U.S. dollars, the marked devaluation of the peso in 2002 adversely affected our financial position.

Our exposure to the peso's devaluation was also aggravated by the pesification of utility rates and other measures implemented by the Public Emergency Law. Prior to the enactment of this law in January 2002, our cash flows were usually denominated in U.S. dollars or U.S. dollar-adjusted, which provided hedging against exchange rate risks. The new Argentine regulatory framework, however, limited our ability to mitigate the impact of the peso devaluation and prevented us from increasing the prices of our products in the domestic market to offset the devaluation of the peso.

Despite these restrictions, starting in the second half of 2002, domestic prices for the main commodities recovered in line with export prices. In addition, in 2002 we aggressively pursued a trade policy of opening and consolidating export markets to capitalize on domestic and export price asymmetries. Based on the above strategies and the solid positioning of our foreign operations, which have cash flows primarily denominated in U.S. dollars, our exposure to peso fluctuations has dropped and we have recovered our ability to naturally hedge our cash exposure to U.S. dollar liabilities.

*Effects of Inflation*

In 2002, in light of the peso devaluation and the economic instability that the country suffered during this year, Argentina experienced a significant increase in inflation (40.98% and 118.2% measured in terms of the consumer price index and the wholesale price index, respectively). This was in sharp contrast with 2001, when Argentina actually experienced deflationary conditions (negative 1.5% and negative 5.3% measured in terms of the consumer price index and the wholesale price index, respectively) due to the constraints of the Convertibility Law. In 2003, as the peso exchange rate and economic conditions stabilized, the inflation rate declined significantly, to 3.7% and 2.0%, measured in terms of the consumer price index and the wholesale price index, respectively.

As a result of the high inflation in 2002, Argentine GAAP reintroduced inflation accounting. The most important impact of inflation on results was the incorporation into our financial statements of the effect of exposure of our monetary assets and liabilities to inflation and the restatement in constant currency of the rest of our income statement accounts. See *Critical Accounting Policies* Inflation accounting.

In March 2003, in response to the economic stabilization, the Argentine government issued Decree No. 664, which provided that financial statements for fiscal years ended after such date must be stated in nominal currency. Accordingly, starting on March 1, 2003, we discontinued inflation accounting and the corresponding restatement of our financial statements. See *Critical Accounting Policies* Inflation accounting.

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*Impact on our Investments in Utility Companies*

The new macroeconomic scenario after enactment of the Public Emergency Law deeply changed the economic and financial balance of utility companies. The tremendous effect of the devaluation, within a context where revenues remained unchanged as a consequence of the pesification of rates and financial debts primarily denominated in foreign currency materially and adversely affected the utility companies' financial position, results of operations and the cash generation ability required to comply with financial obligations.

The Public Emergency Law ordered the pesification of utility rates payable in U.S. dollars, fixing them at the exchange rate of P\$1= U.S.\$1, and the elimination in utility contracts of certain indexation clauses. In addition, the Public Emergency Law granted the Argentine government broad authority to renegotiate utility contracts. This authority has been extended to December 2004. See Item 3. Key Information Risk Factors Factors Relating to Argentina The pesification of utility rates has negatively affected and may continue to affect the operations of our affiliated utility companies and Item 4. Information about Us Regulation of Our Businesses. Congress has also authorized the government to fix utility rates until completion of the renegotiation process. We cannot predict the outcome of this rate renegotiation process.

*Inability to Pay Debts*

In light of the adverse conditions faced by utility companies, TGS, CIESA and Transener have defaulted on their debt and are trying to restructure it.

Although we do not currently consider it very likely in light of procedural difficulties related to bankruptcy laws and actions in Argentina concerning utility companies, there is a risk that we may lose, in whole or in part, our equity interest in these companies in the event the restructuring process fails and creditors bring legal actions to collect against the assets of these affiliates. As part of the debt restructuring, creditors might demand an interest in these companies' capital stock, thus resulting in the subsequent reduction of our equity interest in such utility companies.

*Valuation of our Interests in Utility Companies*

The impact of the measures adopted by the Argentine government on the financial statements of our affiliate utility companies was recognized according to the assessments and estimates conducted by their respective managements. Actual future results may differ from the assessments and estimates so conducted, and the differences may be significant. Therefore, the financial statements of such companies may not report all adjustments that could arise from such a situation. It is not possible to predict the future evolution of the Argentine economy or its impact on the economic and financial situation of these companies.

As of December 31, 2003, the value of our net investments in CIESA, TGS and Citelec was P\$190 million, P\$167 million and P\$158 million, respectively. In our view, the book value of these investments is below their recoverable value as determined by the market price. Estimates on the recoverable value of these interests, however, is subject to significant uncertainties. Accordingly, in the current situation, the market value of listed shares of these companies is the most objective method of estimating the net realizable value of such holdings. We note that as time goes by and the regulatory problems faced by these companies continue unresolved, the reliability and applicability of any values that might be used to assess the recoverable value of these interests are likely to diminish.

As of December 31, 2002, the value of our net investments in CIESA, TGS and Citelec was P\$0, P\$88 million and P\$71 million, respectively. As of December 31, 2002, our equity interest in CIESA would have accounted for a P\$33 million negative shareholders' equity. However, since we did not assume commitments to making capital contributions or providing financial assistance to CIESA, such shareholding was valued at zero, limiting the recognition of related losses to such book value. Our equity





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interest in Citelec was recorded net of a P\$66 million impairment charge to write off the book value of Citelec.

As of December 31, 2001, the value of our net investments in CIESA, TGS and Citelec was P\$398 million, P\$172 million and P\$243 million.

For a description of the evolution of our equity interests in the earnings of our affiliated utility companies see *Year Ended December 31, 2003 Compared to Year Ended December 31, 2002 Equity in Earnings of Affiliates* and *Year Ended December 31, 2002 Compared to Year Ended December 31, 2001 Equity in Earnings of Affiliates*.

As from 2003, we are required by Argentine GAAP to account for CIESA on the basis of the proportional consolidation method.

*Taxes on Exports*

On March 1, 2002, the Argentine government imposed a 20% tax on exports of crude oil and a 5% tax on exports of certain oil by-products, which are due to expire in five years. Our export products became subject to these taxes starting on April 1, 2002. These new taxes forced us to redesign our business strategies, giving priority to crude oil refining and the subsequent sale of refined products, both in the domestic and foreign markets. As a result, sales volume of crude oil among our business segments increased to 31.7 thousand barrels per day or 21.6% in 2003, while exports of crude oil declined approximately 50%. Our relationship with Petrobras is a key component of this strategy. In our refining business in 2003, 210 thousand cubic meters of diesel oil were sold to EG3, a company controlled by Petrobras. This allowed us to increase crude oil volumes processed at the San Lorenzo refinery to levels significantly higher than those recorded over the last few years, at a profit.

In May 2004, the Argentine government increased to 25% the export tax on crude oil exports, increased the export tax on LPG oil exports to 20% and imposed a 20% export tax on all gas exports.

*Commodities Prices*

Although the implementation of our risk management strategy (described below) reduces our exposure to fluctuations in the prices of hydrocarbons, our results of operations are exposed to changes in the international prices of crude oil, petrochemical and refined products.

In addition, while our reporting currency is the Argentine peso, a significant portion of our revenues are denominated in or indexed to the U.S. dollar, reflecting in part the important contribution of exports and foreign operations to our business. Accordingly, changes in the peso exchange rate may have a considerable impact on the prices of the commodities we sell as reported in pesos, thereby affecting our revenues.

In 2003, the price of crude oil, gasoline, diesel oil and electricity increased 4.8%, 16.5%, 7.3% and 20.4%, respectively, while the price of styrene recorded a 9% decline. In 2002, the price of crude oil, styrene and polystyrene recorded increases of 62%, 72% and 37%, respectively.

*Price Stabilization and Supply*

For the purpose of lessening inflationary pressures caused by the sharp devaluation of the peso in 2002, the Argentine government issued a set of regulations aimed at controlling the increase in prices payable by the final customer. These regulations focused particularly on the energy sector.

Pursuant to the Public Emergency Law, we were precluded from increasing the price of the gas and energy we sold in the domestic market, especially for energy sales pursuant to agreements with utility



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companies and sales in the spot market. This has changed our outlook for the gas business, and, as a consequence, we have postponed some investments in the gas sector, particularly in the Neuquén basin.

In January 2003, at the request of the Argentine government, hydrocarbon producers and refineries (including us) entered into a temporary agreement to maintain price stability for crude oil, gasoline and diesel oil in the domestic market. This agreement requires crude oil deliveries to be invoiced and paid based on a WTI of U.S.\$28.5 per barrel. Any differences between the actual WTI price and this price will be recorded and will accrue interest. Producers will be compensated by selling at the agreed price while the actual WTI falls below the agreed price. Refineries, in turn, will reflect the crude oil reference price in domestic market prices. This agreement has had no considerable effect on our results, given the strong integration of our upstream and downstream operations in Argentina. After successive renewals, this agreement expired in May 2004. Thereafter, hydrocarbon producers and refineries executed a new agreement effective until June of 2004, which provided that, while the WTI per barrel ranges between U.S.\$32 and U.S.\$42, crude oil deliveries will be invoiced and paid considering a reference price equal to (i) 86% of the WTI as long as such price does not exceed U.S.\$36 per barrel, or (ii) 80% of the WTI, in cases when this price exceeds U.S.\$36 per barrel.

In 2002, the Argentine government also ordered the pesification of dollar-denominated prices in the WEM and established a cap on the price of energy sold in the spot market. The government established a maximum price of P\$120/MWh, regardless of the actual marginal cost of electricity generation. This diverged from the marginal cost system implemented in 1992 and from the provisions in Electricity Law No. 24,065, which permit an adequate return on investment in a competitive environment based on a marginal price system. We note, however, that thermoelectric generators may cover variable operating costs through certain mechanisms.

As a result of the government's decision to maintain seasonal prices for electricity unchanged following the adoption of the Public Emergency Law, these prices have not adequately reflected generating costs. As a result, the funds in the Stabilization Fund were depleted, which prevented CAMMESA (the administrator of the WEM) from settling its accounts with market agents. This has resulted in a delay in the payment of our receivables from CAMMESA. To address this situation, the Ministry of Energy issued Resolution No. 240/03 (effective August 15, 2003), which prevented the cost of liquid fuels in power plants and of water in hydroelectric plants from being included in the determination of electricity prices. Implementation of this resolution was temporarily suspended on October 9, 2003. In addition, due to the government's decision to suspend the seasonal increases in electricity prices, electricity prices have not reflected production costs. As a result, the Stabilization Fund was exhausted and CAMMESA could not settle accounts with market agents. In December 2003, the Argentine government made a P\$150 million contribution to the Stabilization Fund and in March 2004 made a further contribution of P\$200 million. In February 2004, with a view to restoring the Stabilization Fund, the government reinstated the seasonal adjustments for the February-April 2004 period, but on May 2004, the government suspended once again, the seasonal increases in electricity prices. As of May 2004, the Stabilization Fund had a deficit of P\$650 million.

In light of the uncertainties prevailing in Argentina, we have made progress in renegotiating the terms and conditions of gas and electricity sale agreements entered into with our industrial clients in order to adjust prices to reflect the new economic conditions. In this regard, we have reached commercial agreements that gradually increase sale prices to reflect the effects of the peso devaluation. We, as well as others, have attempted to maximize export opportunities in an effort to capitalize on variations between domestic and export prices, by effectively encouraging the opening and consolidation of new markets. During 2003, we started to export gas to Chile from the Austral basin.

*Impairment of assets*

The peso devaluation and the enactment of the Public Emergency Law, in addition to all subsequent events, resulted in a dramatic change in the estimation of the future evolution of results and cash flow of certain of our businesses and assets. Considering the prevailing uncertainty of Argentina's economic recovery and the recoverability

of certain assets and businesses, we adjusted the book value of certain investments and assets to the respective recoverable value.

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(i) Gas areas in Argentina: Due to the strong deterioration of domestic prices of gas and energy produced and to the limited possibilities of negotiating price increases within the context of the Public Emergency Law, we adjusted the book value of certain investments in gas areas in Argentina to their recoverable value, accounting for impairment charges in the amount of P\$37 million in 2003 and P\$44 million in 2002.

(ii) Argentine government bonds: Following the default by Argentina on its sovereign debt and related uncertainty, we have created a provision for the decrease in value of our investments in dollar-denominated Argentine government bonds. This provision amounted to P\$23 million at December 31, 2003, as compared to P\$30 million at December 31, 2002. We are authorized to apply the nominal value of these bonds toward the payment of our Argentine federal tax liabilities. As a matter of prudence, we reduce the provision only when we use the bonds to reduce our tax liabilities.

(iii) Tax loss carry forwards: In view of the uncertainty surrounding our ability to apply these tax losses, we recorded a charge of P\$134 million corresponding to the allowance of tax loss carried forward accumulated as of December 31, 2001.

(iv) Minimum presumed income tax credit: Considering prospects for the evolution of the results of our operations and the uncertainty regarding our ability to use amounts paid under alternative minimum tax rules for the reduction of our future income taxes, we recorded P\$19 million and P\$103 million charges in 2002 and 2001, respectively, in respect of the amounts paid as minimum taxes.

## **Operations in Ecuador**

In connection with the future exploitation of Blocks 18 and 31, in Ecuador, we entered into a contract with OCP whereby an 80,000 barrels per day oil transportation capacity was committed to for a 15-year term as from the date that OCP starts operations.

OCP's commercial operations began on November 10, 2003. From this date, we are required to comply with our ship or pay contractual obligations for the aggregate oil volume committed and, by paying a fee, which as of December 31, 2003 was estimated to be P\$7.53 per barrel. Our annual cost associated with this oil transportation capacity is approximately P\$220 million. Transportation capacity costs are billed on a monthly basis and charged to expenses by us as incurred.

We estimate that oil production from Blocks 18 and 31 will be lower than our transportation capacity commitment. We have generally based this estimate on the delays involved in the development of Block 31, the new Schedule of investments required for the joint development of Blocks 18 and 31 and a revised outlook of the potential of Block 31. Notwithstanding this, we will still be required to comply with our payment obligations with respect to the aggregate oil volume to which we have committed.

Accordingly, as of December 31, 2003, we recorded a P\$321 million impairment allowance in connection with our group of assets in Ecuador. During 2002, we recorded a P\$63 million loss in connection with our investments in Ecuador.

## **Block 31**

Block 31 is an exploratory area with a significant reserve potential. Under the concession contract, the exploration program is divided into two phases, which expired on July 2001 and June 2003, respectively. The committed investment demands the acquisition of 1,200 km of 2-D seismic and the drilling of three exploration wells.

Petrobras Energía performed the following works at Block 31: 1,382 km of 2-D seismic, 167 km<sup>2</sup> of 3-D seismic and drilling of four exploration wells at Apaika, Nenke, Obe and Minta. All wells proved to be successful

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and permitted the discovery of the Apaika-Nenke, Obe and Minta fields.

For the development of the whole block, we estimate that total investments will amount approximately U.S.\$800 million, U.S.\$150 million of which must be invested before the start of the production phase, which is scheduled for 2006. The significant drop in the level of our capital expenditures, however, has caused significant delays when compared to the original plan we designed for the area's development. See **Decline in Historical Capital Expenditures**.

Following the successful efforts method of accounting (see **Critical Accounting Policies** Successful efforts method of accounting ) that we have implemented in our oil and gas production and exploration activities, and considering both the current development stage for Block 31 and the schedule of future investments in line with the currently expected cash flow, during 2003 we charged to expense P\$141 million in capitalized exploratory wells investments in connection with Block 31 and we expect to charge to expense additional amounts in 2004.

We are currently evaluating several alternatives for Block 31, including recruiting a new partner to accelerate investment execution and the potential sale of part or all of our interest in our Block 31 asset.

## **Decline in Historical Capital Expenditures**

As a result of the size and complex nature of the crisis that broke out in Argentina late in 2001 and the few opportunities to access the capital markets, we had to take a new approach to our growth strategy and consequently made radical changes in our short- and medium-term outlook. In this new scenario, throughout 2002, we reformulated the investment program dynamics, prioritizing cash generation and the maintenance of adequate liquidity levels. This resulted in more conservative expense and investment policies.

In addition, pursuant to the agreements we subscribed to in 2002 in connection with the refinancing of our financial debt, and as long as the refinanced debt remains unpaid, we must comply with a number of restrictions and commitments, including, among others, restrictions on capital expenditure levels. Pursuant to these agreements, we are not permitted to make capital expenditures exceeding U.S.\$450 million in 2004, U.S.\$425 million in 2005 and U.S.\$475 million in each of 2006 and 2007. These limits may be increased through: (i) revenues from the sale of capital assets, (ii) 50% of excess cash from the preceding fiscal year, (iii) cash provided by capital increases, subordinated debt and the financing of investment projects, and (iv) 50% of cash provided by new debt. Conversely, the aggregate amount of our dividends will reduce the limit on capital expenditures.

In 2002, our capital expenditures (which includes the sum of (a) the acquisition of (i) property, plant and equipment, (ii) interest in companies and (iii) oil and gas areas and (b) contributions and advances to unconsolidated affiliates) totaled P\$732 million (excluding capital expenditures of companies under our joint control), significantly lower than our capital expenditures in 2001, which were P\$1,756 million, and 2000, which were P\$1,272 million. In the past, our significant investments have laid the foundations for our operation's expansion and growth. During 2002, we made important divestments of non-core assets amounting to P\$593 million, which helped us to finance our capital expenditures during that year.

The reduced pace of investments during 2002 changed our growth objectives in the short-term, mainly affecting oil and gas future production volumes. In addition, reduced investments will delay development of new exploitation areas and related production.

In 2003, the recovery of the Argentine economy triggered the recovery of operating cash flow and liquidity levels. This allowed us to increase our capital expenditures (excluding capital expenditures of companies under our joint control) by P\$46 million, to P\$778 million. This level of capital expenditures, however, remains low by historical

standards.

As long as the Argentine economic recovery continues, we expect to gradually return to the level of capital investment from previous years, subject to covenant restrictions in our outstanding debt. See Liquidity and



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**Capital Resources** Description of Indebtedness. Our capital investment strategy will focus on disciplined growth based on a solid financial foundation, with priority given to profitable projects with faster returns.

## **Divestment of Non-Core Assets**

The change in Petrobras Energía Participaciones controlling shareholder represents a major milestone in our strategy and business focus.

The agreements executed in connection with the transfer of control to Petrobras granted Petrobras an option whereby, if, within 30 days after closing of the sale, we did not consummate the sale of assets related to the farming, forestry and mining businesses, Petrobras would be entitled but not obliged to cause the seller to acquire such assets in the amount of U.S.\$190 million.

In line with the provisions of the agreements mentioned above, during 2002 we sold the asset portfolio associated with our mining, farming and forestry businesses.

In July 2002, we sold to AngloGold our 46.25% indirect equity interest in Cerro Vanguardia S.A. in addition to related assets. The transaction price amounted to U.S.\$90 million, and the operation accounted for a P\$123 million gain.

In September 2002, we sold to Argentina Farmland Investors LLC our 100% equity interest in Pecom Agropecuaria S.A.'s capital stock. The transaction amounted to U.S.\$53 million, accounting for a P\$27 million gain.

In December 2002, we sold our forestry business assets, including a total area of about 169,000 hectares of forestry land located in the Provinces of Misiones, Corrientes and Buenos Aires and a sawmill with a 90,000 m<sup>3</sup>/year capacity. Considering the sale price (U.S.\$53 million), we recorded a P\$153 million loss.

In addition, the following divestitures were made:

In April 2002, under an asset swap, we sold to IRHE (Argentine Branch) and GENTISUR S.A. (a company wholly owned by IRHE) our 50% interest in Pecom Agra with a value of U.S.\$30 million, accounting for a P\$81 million gain. In return, the parties transferred to us a 0.75% interest in Puesto Hernández UTE, with a value of U.S.\$4.5 million, a 7.5% interest in Citelec, with a value of U.S.\$15 million, and a 9.187% interest in Hidroneuquén S.A, with a value of U.S.\$5.5 million.

In October 2002, we sold to Sudacia S.A., a company controlled by the Perez Companc Family, a 66.67% equity interest in Conuar, including a 68% interest in Fabricación de Aleaciones Especiales S.A., for U.S.\$8 million.

No gain or loss was recorded for the sale.

In 2003, we sold our interest in the Catriel Oeste and Faro Vírgenes areas. These assets had low production levels, no significant potential and high operating costs.

In June 2003, we sold to Geodyne Energy Inc., Argentina Branch, a 50% interest in the Faro Vírgenes area concession, accounting for a P\$11 million loss. Payments in connection with this transaction will be made during a ten year term, in quarterly installments, with a value in U.S. dollars calculated based on 8.8% of the total quarterly gas production from the Faro Vírgenes area. We have the option of receiving directly such gas production.

In August 2003, we sold to Central International Corporation, Argentine Branch, an 85% interest in the Catriel Oeste area concession. Considering the transfer price (U.S.\$7 million), we recorded a P\$28 million loss.

These transactions have helped us to enhance the quality of our assets portfolio and move forward with a strategy focused on becoming an integrated energy company, and consolidate a business portfolio with a high potential for growth and profitability.

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### **Management of Crude Oil Price Risk**

In line with the business integration goal, our risk management policy focuses on measuring our net risk exposure and monitoring the risks that affect our overall portfolio of assets. By focusing on our overall asset portfolio, we are able to naturally hedge some of our risks. This has helped us to integrate our businesses and grow more efficiently. Additionally, the knowledge acquired from this process enables us to better allocate capital.

We use hedging derivative instruments, such as futures, swaps, options and other instruments, to mitigate risks related to results and cash flow volatility as a result of fluctuations in the price of crude oil. Since 2002, we have intensified the use of options, which provide increased flexibility by protecting us from decreases in commodity prices, while allowing us to benefit from future increases in prices.

On January 1, 2003, Technical Resolutions Nos. 16, 17, 18, 19 and 20 of the FACPCE became effective and introduced material changes in the guidelines regarding the recognition, measurement and disclosure of derivatives and hedging transactions. See **Critical Accounting Policies Change in Accounting Standards**. These new regulations, whose principles are consistent with the international accounting standards issued by the International Accounting Standards Committee, or IASC, provide that financial derivatives are recorded at their fair value and that changes in the accounting measurement of such derivatives are recognized: (i) if the derivative financial instrument is designated as an effective hedge, under **Transitory differences Measurement of derivative financial instruments designated as effective hedge** and are subsequently reclassified to income (loss) for the year or years in which the hedged item affects such results, or (ii) if the financial derivative instrument is not designated as an effective hedge, in the income statement under **Financial Income (Expense) and Holding Gains (losses)**. The new regulations thus permit recognition of accounting measurements under clause (i) above on a very restrictive basis, since a hedge is deemed effective if at its inception and during its life, its changes offset between 80% and 125% of the changes in the hedged item.

Based on the information above and in view of the high crude oil prices recorded during 2003, 2002 and 2001, we recognized: (i) for instruments that qualify for hedge accounting, reduced sales in the amount of P\$81 million in 2003, P\$373 million in 2002 and P\$341 million in 2001, and (ii) for instruments that do not qualify for hedge accounting, financial losses of P\$298 million in 2003, P\$470 million in 2002 and a P\$8 million gain in 2001.

### **Political and Economic Situation in Venezuela**

As a result of the events that took place in 2002 and early in 2003, Venezuela was plunged into an unprecedented recession that significantly increased the level of inflation, unemployment and violence.

On December 2, 2002, opposing political parties, together with the labor union and business confederations, called a national civic strike, involving the country's main production areas, including PDVSA. This strike extended to February 2, 2003, when it was partially lifted. Some of the political and economic effects of the strike are listed below:

a significant reduction in oil production to below 1 million barrels per day (from 3.2 million barrels per day prior to the crisis), and a heavily weakened PDVSA, with more than 18,000 laid-off workers and a large portion of its facilities out of operation. This prevented Venezuela's compliance with OPEC production quotas;

a significant reduction in the level of Venezuela's international reserves to below U.S.\$10 billion, which prevented the country from meeting its minimum imports needs;

high levels of unemployment, inflation and credit risk, with an unemployment rate in excess of 20% and difficulties in meeting domestic demand for fuel; and

difficulties in supplying fuel to the domestic Venezuelan market.

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The deteriorating conditions forced the Venezuelan government to adopt several emergency measures, including: (i) closure of the foreign exchange market and adoption of strict foreign exchange controls, (ii) implementation of price control over the basic basket of goods, (iii) fuel imports and (iv) greater governmental control over PDVSA. Notwithstanding these measures, Venezuela's problems continued. By year end 2003, a foreign exchange market parallel to the official market had developed, where the Bolivar reached rates as high as Bs.3,000 per U.S.\$1, compared to the official rate of Bs.1,600 per U.S.\$1.

The crisis at PDVSA and the national strike that ended on February 2003, affected operations at our oil fields located in the eastern region of Venezuela. In the fields of Oritupano-Leona, Mata and Acema production declined 40.2% in the first quarter of 2003 (to 30.4 thousand barrels per day), compared with the first quarter of 2002. The situation improved after the strike was lifted. Currently production from these fields is at full capacity.

We designed and implemented a number of strategies to address the challenges raised by the Venezuelan crisis. Accordingly, after the end of the strike, five wells were drilled ahead of schedule at Oritupano-Leona. These measures enabled us to lessen the adverse effects of the crisis.

In 2003 and 2002, we registered a P\$27 million and a P\$42 million allowance, respectively, for the book value of loans granted to our joint venture partners in Venezuela. These allowances were recorded to reflect our estimate of the recoverable value of these loans.

Since the Venezuelan government, through PDVSA, closely monitors oil production activities in Venezuela, operations in this country could be affected if political and social riots, including strikes and other forms of political protest, affect our operating capacity in Venezuela. In addition, since Venezuela is an OPEC member country, we are subject to any decision related to production cuts OPEC may adopt, as was the case in 2002. In addition to these effects, Venezuela's complex crisis could have other unforeseen effects that may have an adverse impact on our results of operations.

## **Association Agreement in San Carlos and Tinaco**

In October 2002, we subscribed to an association agreement with the oil company Teikoku whereby we transferred 50% of our rights and obligations involved in gas production in the San Carlos and Tinaco exploratory areas located in Cojedes, Venezuela.

The transfer of interest agreement (which is subject to approval by the Venezuelan Ministry of Energy) provides for an initial cash payment of U.S.\$1 million and a subsequent disbursement of U.S.\$2 million for the financing of the exploratory investments program in the Tinaco area in relation with geological studies, 2-D seismic shooting and 2-D seismic evaluation and interpretation. Furthermore, in the event a joint commercial development in such area is agreed upon, we will receive a supplementary payment in the amount of U.S.\$3 million. In light of the transfer of 50% of our interests in the San Carlos and Tinaco areas, as of December 31, 2002, we recorded a P\$37 million loss reflecting the write off of the exploration investments we made prior to that date.

During 2003, the political, economic and social conditions in Venezuela prevented us from performing our minimum 2-D seismic work commitments in the Tinaco area. We currently expect to complete this work in the first half of 2004. Depending on the seismic results, we may drill an exploratory well in 2005. Following the successful efforts method of accounting (see Critical Accounting Policies Successful efforts method of accounting ) that we have implemented to record oil and gas exploration and production activities, as of December 31, 2003, we charged to exploration expenses the remaining capitalized investments in the San Carlos area in the amount of P\$29 million.

## **Environmental Matters**

Quality control, health and safety and environmental protection are integral components of our business. See Item 4. Information About Us Business Overview Environmental.

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In 2003 we retained an international consulting company to conduct an environmental audit of our operations in light of applicable laws, future requirements and, in the absence of local applicable guidelines, international standards. The final audit report ratified the high environmental standards under which our operations are conducted and set forth an action plan to enforce our Safety, Environmental and Occupational Health Policy. To execute this action plan, over the next few years we will make investments of approximately U.S.\$23 million to improve, among other things, our prevention systems and production facilities. In addition, we will implement several corrective and remediation actions, for which a P\$45 million loss was recorded during 2003. Including this figure, in 2003 we recorded expenses of P\$58 million for environmental remediation activities. In 2002, our environmental remediation loss expense was P\$15 million.

**DISCUSSION OF RESULTS**

The following tables set out net sales, gross profit and exploitation income for each of our business segments for the years ended December 31, 2003, 2002 and 2001, both excluding the proportional consolidation of the companies under common control required by recent changes to Argentine general accounting standards and including proportional consolidation. Net sales eliminations relate to intersegment sales. Gross profit eliminations relate to adjustments related to intersegment sales and costs associated with such sales.

Substantially all of our intersegment sales are related to sales of oil and gas to our refining, petrochemicals and electricity businesses. The business segment year-to-year comparisons that follow the table do not exclude intersegment sales.

**Table of Contents****Without Proportional Consolidation**

	<b>For the year ended, December 31,</b>		
	<b>2003</b>	<b>2002</b>	<b>2001</b>
	(in millions of pesos)		
<b>Net Sales</b> <sup>(1)</sup>			
Oil and Gas Exploration and Production	P\$ 2,729	P\$2,806	P\$ 1,975
Hydrocarbon Marketing and Transportation	75	16	85
Refining	1,302	1,008	788
Petrochemicals	1,294	1,254	818
Electricity	244	248	364
Other Investments and Eliminations	(1,029)	(745)	(416)
	<u>          </u>	<u>          </u>	<u>          </u>
Total	P\$ 4,615	P\$4,587	P\$3,614
	<u>          </u>	<u>          </u>	<u>          </u>
<b>Gross Profit</b> <sup>(2)</sup>			
Oil and Gas Exploration and Production	P\$ 1,281	P\$ 1,206	P\$ 787
Hydrocarbon Marketing and Transportation	4	5	23
Refining	123	64	77
Petrochemicals	312	362	152
Electricity	94	50	112
Other Investments and Eliminations	(12)	22	4
	<u>          </u>	<u>          </u>	<u>          </u>
Total	P\$ 1,802	P\$ 1,709	P\$ 1,155
	<u>          </u>	<u>          </u>	<u>          </u>
<b>Exploitation income</b> <sup>(3)</sup>			
Oil and Gas Exploration and Production	P\$ 861	P\$ 902	P\$ 575
Hydrocarbon Marketing and Transportation	11	16	36
Refining	54		5
Petrochemicals	185	251	59
Electricity	108	57	138
Other Investments			
Corporate and Other Discontinued Investments	(180)	(135)	(189)
	<u>          </u>	<u>          </u>	<u>          </u>
Total	P\$ 1,039	P\$ 1,091	P\$ 624
	<u>          </u>	<u>          </u>	<u>          </u>

(1)



Royalties with respect to the oil and gas business are accounted for as a cost or production and are not deducted in determining net sales. Eliminations correspond to sales between our business units.

- (2) Net sales less cost of sales. Eliminations correspond to sales between our business units and their associated costs.
- (3) As used in this annual report, exploitation income means gross profit plus or minus administrative and selling expenses and other exploitation income (expense), net. We present exploitation income as an indicator of our income from operations. Other jurisdictions define operations income to include certain expenses that we do not present as part of our operating income.

**Table of Contents****With Proportional Consolidation**

	<b>For the year ended, December 31,</b>		
	<b>2003</b>	<b>2002</b>	<b>2001</b>
	<b>(in millions of pesos)</b>		
<b>Net Sales</b> <sup>(1)</sup>			
Oil and Gas Exploration and Production	P\$ 2,729	P\$2,806	P\$1,975
Hydrocarbon Marketing and Transportation	521	16	695
Refining	1,302	1,008	788
Petrochemicals	1,294	1,254	818
Electricity	691	766	1,286
Corporate and Other Discontinued Investments and Eliminations	(1,043)	(744)	(392)
	<u>          </u>	<u>          </u>	<u>          </u>
Total	P\$ 5,494	P\$5,106	P\$5,170
	<u>          </u>	<u>          </u>	<u>          </u>
<b>Gross Profit</b> <sup>(2)</sup>			
Oil and Gas Exploration and Production	P\$ 1,281	P\$1,206	P\$ 787
Hydrocarbon Marketing and Transportation	240	5	398
Refining	123	64	77
Petrochemicals	312	362	152
Electricity	168	158	380
Corporate and Discontinued Other Investments and Eliminations	(16)	27	29
	<u>          </u>	<u>          </u>	<u>          </u>
Total	P\$ 2,108	P\$1,822	P\$1,823
	<u>          </u>	<u>          </u>	<u>          </u>
<b>Exploitation Income</b> <sup>(3)</sup>			
Oil and Gas Exploration and Production	P\$ 861	P\$ 902	P\$ 575
Hydrocarbon Marketing and Transportation	205	16	378
Refining	54	5	5
Petrochemicals	185	251	59
Electricity	112	89	287
Corporate and Other Discontinued Investments and Eliminations	(185)	(131)	(164)
	<u>          </u>	<u>          </u>	<u>          </u>
Total	P\$ 1,232	P\$1,127	P\$1,140
	<u>          </u>	<u>          </u>	<u>          </u>

- (1) Royalties with respect to the oil and gas business are accounted for as a cost or production and are not deducted in determining net sales. Elimination corresponds to sales between our business units.
- (2) Net sales less cost of sales. Eliminations correspond to sales between our business units and their associated costs.
- (3) As used in this annual report, exploitation income means gross profit plus or minus administrative and selling expenses and other exploitation income (expense), net. We present exploitation income as an indicator of our income from operations. Other jurisdictions define operations income to include certain expenses that we do not present as part of our operating income.

**Table of Contents****Year Ended December 31, 2003 Compared to Year Ended December 31, 2002**

*Net income:* In 2003, we reported net income of P\$381 million, compared to a net loss of P\$1,579 million in 2002. This shift principally reflects improvements in Argentina's economic conditions during 2003, including an 8.7% increase in GDP, as compared to the 11% contraction in 2002, the impact of the appreciation of the peso against the U.S. dollar on the income from our utility affiliates and a reduction in interest expense. Notwithstanding this improvement in the Argentine economy, significant obstacles to a sustained recovery remain, including the refinancing of Argentina's sovereign debt and the renegotiation of utility contracts. These ongoing obstacles could undermine the recovery of our operations.

*Net sales:* In 2003, our net sales increased by P\$388 million or 7.6% to P\$5,494 million, from P\$5,106 million in 2002. Our net sales for 2003 reflect P\$432 million and P\$447 million corresponding to our share of the net sales of CIESA and Distrilec, respectively, for that year (net of P\$4 million in intercompany sales). Our net sales for 2002 reflect P\$519 million corresponding to our share of Distrilec's net sales for that year.

In 2003, without proportional consolidation, our net sales increased P\$28 million or 0.6% to P\$4,615 million from P\$4,587 million in 2002, due to an increase in sales from each of our Refining, Hydrocarbon Marketing and Transportation, and Petrochemicals business segments. Refining registered the highest increase in net sales to P\$1,302 million from P\$1,008 million, boosted by a 24.4% increase in sales volumes and, to a lesser extent, higher prices. Sales from our Hydrocarbon Marketing and Transportation segment grew by P\$59 million, while sales from our Petrochemicals segment grew by P\$40 million. These increases were partly offset by a 2.7% reduction in sales from our Oil and Gas Exploration and Production business, to P\$2,729 million (including intercompany sales in the amount of P\$944 million) from P\$2,806 million in 2002 (including intercompany sales in the amount of P\$773 million). This reduction resulted from a 7.7% drop in sales volumes of oil equivalent, which was partly offset by a 5.8% increase in sales prices.

*Gross Profit:* In 2003, our gross profit increased by P\$286 million or 15.7% to P\$2,108 million, from P\$1,822 million in 2002. Our gross profit for 2003 reflects P\$232 million and P\$74 million corresponding to our share of the gross profits of CIESA and Distrilec, respectively, for that year. Our gross profit for 2002 reflects P\$113 million corresponding to our share of Distrilec's gross profit for that year.

In 2003, without proportional consolidation, our gross profit increased by P\$93 million or 5.4% to P\$1,802 million, from P\$1,709 million in 2002, primarily due to higher margins for crude oil, refined products and generation activity. Reflecting these higher margins, our gross profit from Oil and Gas Exploration and Production increased by P\$75 million, our gross profit from Refining activity increased by P\$59 million and our gross profit from our Electricity business increased by P\$44 million. In contrast, the gross profit from our Petrochemicals business declined by P\$50 million, commensurate with the decline experienced in the industry internationally.

*Administrative and selling expenses:* In 2003, our administrative and selling expenses decreased by P\$50 million or 8.2% to P\$559 million, from P\$609 million in 2002. Our administrative and selling expenses for 2003 reflect P\$30 million and P\$65 million corresponding to our share of the administrative and selling expenses of CIESA and Distrilec, respectively, for that year. Our administrative and selling expenses for 2002 reflect P\$77 million corresponding to our share of Distrilec's administrative and selling expenses for that year.

In 2003, without proportional consolidation, our administrative and selling expenses declined by P\$68 million or 12.8% to P\$464 million, from P\$532 million in 2002. This drop is primarily due to the impact of the peso appreciation on expenses incurred outside Argentina.

*Exploration expenses:* In 2003, exploration expenses increased P\$138 million or 237.9% to P\$196 million, from P\$58 million in 2002, mainly as a result of the charge to income of P\$141 million in capitalized exploratory wells investments in Block 31. See Oil and Gas Exploration and Production.

*Other exploitation income (expense), net:* In 2003, our other operating expenses increased on a net basis by P\$93 million or 332.1% to P\$121 million, from P\$28 million in 2002. Our net other exploitation expenses for 2003

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reflect P\$12 million and P\$5 million corresponding to our share of the net other exploitation expenses of CIESA and Distrilec, respectively, for that year. Distrilec (which was subject to proportional consolidation in 2002) did not register, on a net basis, any other exploitation expenses in 2002.

In 2003, without proportional consolidation, our other exploitation expenses increased on a net basis by P\$76 or 271.4%, to P\$104 million from P\$28 million in 2002. This increase is mainly attributable to environmental remediation expenses (P\$58 million in 2003) and other allowances (P\$32 million in 2003).

*Exploitation income:* In 2003, our exploitation income increased by P\$105 million or 9.31% to P\$1,232 million, from P\$1,127 million in 2002. Our exploitation income for 2003 reflects P\$194 million and P\$4 million corresponding to our share of the exploitation income of CIESA and Distrilec, respectively, for that year (net of P\$4 million in intercompany operations). Our exploitation income for 2002 reflects P\$36 million corresponding to our share of Distrilec's exploitation income for that year (net of intercompany operations).

In 2003, without proportional consolidation, our exploitation income declined P\$53 million or 4.9% to P\$1,038 million, from P\$1,091 million in 2002. This decline resulted primarily from the significant increase in exploration expenses and environmental remediation expenses and contingencies.

*Equity in earnings of affiliates:* In 2003, our equity interest in the earnings of affiliates accounted for a P\$163 million gain, compared to a P\$638 million loss in 2002, mainly as a result of improved earnings from Citelec, our affiliate utility companies. In 2003, but not in 2002 CIESA's results were consolidated into our financial statements pursuant to the proportional consolidation method. In 2002, CIESA reported a significant loss. See Overview.

Without applying proportional consolidation, our equity in earnings of affiliates would have been a P\$373 million gain in 2003, compared to a P\$647 million loss in 2002, which includes a P\$59 million gain from Cerro Vanguardia, which was sold in 2002. As a result of the appreciation of the peso and reduction of the inflation rate in 2003, our equity share in the earnings of our affiliate utility companies (CIESA, TGS, Distrilec and Citelec) accounted for a P\$316 million gain in 2003, compared to a P\$732 million loss in 2002. The increased equity gains also resulted from increased earnings of P\$19 million, P\$26 million and P\$13 million at Refinor, Cuyo and Inversora Mata S.A., respectively. These increased earnings were partly offset by P\$17 million and P\$9 million reductions in the earnings of Empresa Boliviana de Refinación and Oldelval, respectively.

For a discussion of our equity in the earnings of companies over which we exercise joint control in 2003 and the factors that affected these companies' results during that year, see Equity in Earnings of Affiliates and Companies under Joint Control.

*Financial income (expense) and holding gains (losses):* In 2003, our financial expenses and holding losses decreased by P\$1,410 million or 77.2% to P\$417 million, from P\$1,827 million in 2002. Our financial expenses and holding losses for 2003 reflect P\$124 million corresponding to our share of CIESA's financial and holding gains for 2003, and P\$28 million corresponding to our share of Distrilec's financial and holding gains for 2003. Our financial expenses and holding losses for 2002 reflect P\$168 million corresponding to our share of Distrilec's financial expenses and holding losses for that year.

In 2003, without proportional consolidation, our financial expenses and holding losses declined to P\$569 million from P\$1,659 in 2002. This reduction is mainly attributable to the following factors:

Gains from foreign exchange and exposure to inflation of P\$136 million in 2003 on our net borrowing position, as compared to a loss of P\$370 million in 2002, principally reflect the effects of the peso appreciation and inflation on our net borrowing position.

A P\$349 million drop in net interest expense, to P\$423 million in 2003 from P\$772 million in 2002, resulting from the appreciation of the peso and an 8% reduction in the average amount of our dollar-denominated indebtedness.

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A 37.4% reduction in losses attributable to derivative instruments that do not qualify for hedge accounting, to P\$294 million in 2003 from P\$470 million in 2002. In nominal terms, the loss for 2003 was actually higher than the loss in 2002, mainly due to the increase in the future curve of reference crude oil prices. In constant currency, however, the loss for 2002 is higher than for 2003 due to the effects of the adjustment for inflation. This increase was partially offset by the peso appreciation during 2003.

*Other expenses, net:* In 2003, our other expenses increased on a net basis by P\$234 million or 125% to P\$421 million, from P\$187 million in 2002. Our net other expenses for 2003 reflect P\$1 million and P\$13 million corresponding to our share of the net other expenses of CIESA and Distrilec, respectively, for that year. Our net other expenses for 2002 reflect P\$9 million corresponding to our share of Distrilec's net other expenses for that year.

In 2003, without proportional consolidation, our other expenses, net increased by P\$229 million or 128.6% to P\$407 million, from P\$178 million in 2002. These increased expenses reflected:

- an impairment allowance for our operations in Ecuador (See Factors Affecting Our Consolidated Results of Operation Operations in Ecuador ) of P\$309 million;
- a P\$39 million loss attributable to the sale of oil and gas areas;
- a P\$37 million impairment charge for oil production areas (see Factors Affecting Our Consolidated Results of Operations Association Agreement in San Carlos and Tinaco ); and
- a P\$27 million allowance for the book value of loans granted to joint-venture partners in Venezuela.

These expenses for 2003 compare to the following other expenses for 2002:

- a P\$63 million allowance for operations in Ecuador;
- a P\$44 million impairment charge for gas production areas;
- a P\$37 million loss attributable to the assignment of a 50% interest in San Carlos area;
- a P\$42 million allowance for the book value of loans granted to joint venture partners in Venezuela;
- a P\$17 million charge for the accelerated amortization of financial debt issuance costs;
- a P\$10 million impairment charge for an interest in Hidroneuquén; and
- P\$78 million income from divestment of non-core assets.

*Income tax:* In 2003, our income tax charge decreased by P\$64 million or 78.1% to P\$18 million, from P\$82 million in 2002. Our income tax charge for 2003 reflects a P\$58 million gain corresponding to our share of CIESA's income tax for that year, and a P\$29 million loss corresponding to our share of Distrilec's income tax for that year. Our income tax provision for 2002 reflects a P\$127 million gain corresponding to our share of Distrilec's income tax for that year.

In 2003, without proportional consolidation, our income tax provision declined P\$162 million or 77.5% to P\$47 million, from P\$209 million in 2002. This decline reflects the inclusion of the following items in 2002: (i) an allowance for tax losses and a minimum presumed income tax of P\$134 million and P\$19 million, respectively, in line with the uncertain economic context prevailing in Argentina, and (ii) a P\$19 million provision attributable to Conuar, an asset we sold in 2002.





**Table of Contents****Oil and Gas Exploration and Production**

*Exploitation income:* Exploitation income for this segment decreased 4.5% in 2003, to P\$861 million from P\$902 million in 2002. This drop was due primarily to a significant increase in exploration expenses and a decline in sales volumes, which were partially offset by a rise in sales prices resulting from changes in our price hedging strategies and a 19% increase in the WTI.

*Net sales:* Net sales for 2003 declined P\$77 million or 2.7% to P\$2,729 million (including intercompany sales in the amount of P\$944 million), from P\$2,806 million in 2002 (including intercompany sales in the amount of P\$773 million). This drop is attributable to a 7.7% decline in sales volumes of oil equivalent, which was partially offset by a 5.8% increase in sales prices.

Combined oil and gas sales volumes declined 7.7% in 2003 to 157.9 thousand barrels of oil equivalent per day, from 171.1 thousand barrels of oil equivalent per day in 2002. Oil sales volumes decreased 5% in 2003 to 111.2 thousand barrels per day, from 117.1 thousand barrels per day in 2002, while gas sales volumes declined 13.5% to 280.0 million cubic feet per day, from 323.6 million cubic feet per day in 2002. This significant drop in sales volumes is primarily attributable to the decline in the level of activity of our operations in Venezuela, which was affected by the oil strike that took place at the beginning of 2003, and to the restrictive investment policy implemented by us in 2002 in light of the Argentine crisis. While this policy protected our operating cash flow in 2002, it delayed the development of hydrocarbon projects. The decline of our operation in Venezuela, however, was offset by the start of commercial operations in Ecuador, with production reaching a total of 3.9 thousand barrels per day. In addition, gas sales volumes declined due to price restrictions in the Argentine market, which discouraged production.

During 2003, the average crude oil sales price per barrel, including the effects of hedging transactions and taxes on exports (as discussed below), increased 4.8% to P\$61.2, from P\$58.4 in 2002. This increase reflected a 19% increase in the average WTI to U.S.\$31.1 per barrel, and changes in our hedging policy. This increase was partially offset by the effect of the peso appreciation against the U.S. dollar during 2003, which had a negative impact on dollar-denominated flows from foreign operations and exports.

In 2003, our crude oil price hedging policy accounted for P\$85 million in reduced net sales, compared with P\$373 million in 2002. These reduced losses mainly reflect a change in our hedging strategy. During 2003, we relied on option contracts that allowed us more flexibility to benefit from price increases. Conversely, in 2002 hedging instruments consisted primarily of swap agreements, with fixed sales prices.

In 2003, Argentine taxes on exports resulted in a reduction in net sales of P\$60 million, compared to P\$84 million in 2002, reflecting a 50% drop in export volumes.

*Net Sales in Argentina:* In 2003, overall sales in Argentina decreased by P\$69 million or 4.3% to P\$1,538 million, from P\$1,607 million in 2002, due to a 10.9% decrease in combined oil and gas daily sales volumes, to 90.4 thousand barrels of oil equivalent from 101.5 thousand barrels of oil equivalent in 2002.

Crude oil sales in Argentine declined P\$22 million or 1.5% to P\$1,401 million, from P\$1,423 million in 2002. This reduction in crude oil sales is mainly attributable to a 7.1% decline in sales volumes to 55.0 thousand barrels per day, which was partially offset by a 6.1% increase in average sales prices. Gas sales in Argentina dropped by P\$46 million or 25.1% to P\$137 million, from P\$183 million in 2002. This drop in gas sales resulted from the combined effect of reduced sales volumes and reduced prices. Daily gas sales volumes declined 16.2% to 212.8 million cubic feet, from 253.9 million cubic feet in 2002, while gas sales price dropped 11.1% to P\$1.76 per thousand cubic feet, from P\$1.98 per thousand cubic feet in 2002. The Public Emergency Law has prevented nominal sales prices from changing significantly.

In 2003, the volume of intercompany sales in Argentina, particularly to the Refining business, increased 21.6% to 31.7 thousand barrels per day.

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*Net Sales Outside of Argentina:* In 2003, combined oil and gas sales outside of Argentina decreased 0.7% to P\$1,191 million, from P\$1,199 million in 2002. Oil and gas total sales volumes declined to 67.4 thousand barrels of oil equivalent per day or 3.0% with respect to 2002. The average sales price for oil per barrel rose to P\$52.7 or 3.9% from P\$50.7 in 2002, mainly due to the rise in the international reference price and the change in our hedging policy (as discussed above).

Below is an overview of 2003 sales figures for each country in which we have oil and gas operations:

*Venezuela:* Oil and gas sales decreased P\$106 million or 15.1% to P\$594 million, from P\$700 million in 2002, due to the following factors:

the average price of oil per barrel decreased 3.6% to P\$40.4, from P\$41.9 in 2002. This decline was attributable to the effect of the appreciation of the peso, which was partially offset by the change in the hedging policy (as discussed above) and the increase in the WTI; and

daily sales volume of oil equivalent decreased 12.5% to 42.8 thousand barrels of oil equivalent, from 48.9 thousand barrels of oil equivalent in 2002, primarily as a result of the oil strike that took place at the beginning of 2003, and the natural field decline resulting from our restrictive investment policy in 2002.

*Bolivia:* Oil and gas sales decreased P\$4 million or 3.6% to P\$108 million, from P\$112 million in 2002, due primarily to a 7.4% reduction in the sale price of gas to P\$5.24 per thousand cubic feet, from P\$5.66 per thousand cubic feet in 2002. This decline in the gas sales price was partially offset by the combined oil and gas daily sales volumes, which increased 5.5% to 7.7 thousand barrels of oil equivalent, from 7.3 thousand barrels of oil equivalent in 2002.

*Peru:* Oil and gas sales increased 4.2% to P\$374 million, from P\$359 million in 2002, due to the following factors:

sales price increased 1.3% to P\$78.5 per barrel, from P\$77.5 per barrel in 2002, as a result of the change in our hedging policy (as discussed above) and the increase in international prices, which were partially offset by peso appreciation; and

oil and gas daily deliveries increased 2.4% to 13.0 thousand barrels of oil equivalent per day, from 12.7 thousand barrels of oil equivalent per day in 2002, as a consequence of improved well productivity resulting from workover tasks.

*Ecuador:* Oil sales increased 310.7% to P\$115 million, from P\$28 million in 2002, due to the approval of the development plan for Block 18, which was obtained in the fourth quarter of 2002. After obtaining this approval, we were able to start drilling activities, particularly at the Palo Azul field, where we currently operate five wells which yielded a production of 17 thousand barrels per day in December (before deduction on account of the Ecuadorian government's interest and before deducting royalties). Daily crude oil sales volumes (net of the Ecuadorian government's interest), increased to 3.9 thousand barrels per day, at a price of P\$79.2 per barrel.

*Gross profit:* In 2003, gross profit for the Oil and Gas Exploration and Production segment increased 6.2% to P\$1,281 million, from P\$1,206 million in 2002. The gross margin on sales rose to 46.9% from 43% in 2002. This increase in margins is primarily attributable to the rise in sale prices.

*Administrative and selling expenses:* In 2003, administrative and selling expenses for this segment totaled P\$178 million, compared to P\$224 million in 2002. This drop is attributable to the appreciation of the peso in 2003, which reduced the peso equivalent of expenses incurred abroad.

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*Exploration expenses:* In 2003, exploration expenses increased by P\$138 million or 237.9% to P\$196 million, from P\$58 million in 2002. Exploration expenses during 2003 reflected the charge to income of P\$141 million exploration investments in Block 31 (in Ecuador), and P\$30 million exploration investments in the San Carlos area (in Venezuela). In addition, expenses were recorded for non-producing exploration wells in the Santa Cruz II Oeste area in Argentina and Lote XVI in Peru and the investment in seismic testing related to such wells.

In 2002, the Chontayacu well in Block 18 (Ecuador) was drilled and did not prove to be successful. In addition, 238 km of 2-D seismic were shot in Block 31. In Argentina and Peru, expenses in connection with the Chiripá well in the Santa Cruz II Oeste area and the Mashansha well in Lote 35, respectively, were charged to income.

*Other exploitation income (loss), net:* In 2003, other exploitation expenses for this segment increased on a net basis by P\$24 million or 109.1% to P\$46 million, from P\$22 million in 2002. This increase was primarily a result of environmental remediation expenses in the amount of P\$26 million, and other allowances in the amount of P\$32 million. These effects are offset by the favorable settlement of certain commercial claims in Venezuela.

## **Hydrocarbon Marketing and Transportation**

Our results for this segment in 2003 reflect the proportional consolidation of CIESA. In 2002, CIESA's results were not proportionally consolidated. See Overview.

*Exploitation income:* In 2003, our exploitation income for this segment increased by P\$189 million or 1181.3% to P\$205 million, from P\$16 million in 2002. Our exploitation income for this segment in 2003 reflects P\$194 million corresponding to our share of CIESA's exploitation income for that year.

In 2003, without proportional consolidation, our exploitation income for this segment decreased 31.3% to P\$11 million, from P\$16 million in 2002.

*Net Sales:* Our operations in this segment include oil, gas and LPG brokerage services, with significantly different margins subject to the specific characteristics of each operation.

In 2003, our net sales for this segment increased by P\$505 million or 3156.3% to P\$521 million, from P\$16 million in 2002. Our net sales for this segment in 2003 reflect P\$446 million corresponding to our share of CIESA's net sales for that year.

In 2003, without proportional consolidation, our aggregate net sales significantly increased, to P\$75 million from P\$16 million in 2002, principally as a result of increased volume in our oil brokerage operations.

*Gross profit:* In 2003, our gross profit for this segment increased by P\$235 million to P\$240 million, from P\$5 million in 2002. Our gross profit for this segment in 2003 reflects P\$236 million corresponding to our share of CIESA's gross profit for that year.

In 2003, without proportional consolidation, our gross profit decreased to P\$4 million from P\$5 million in 2002, as a result of a reduction in margins in the brokerage business.

*Other exploitation income, net:* In 2003, we registered other net exploitation expenses for this segment in the amount of P\$1 million, compared to other net exploitation income in the amount of P\$13 million in 2002. The other net exploitation expenses for this segment in 2003 reflect P\$12 million corresponding to our share of the other net exploitation expense of CIESA for that year.

In 2003, excluding proportional consolidation, we registered other net exploitation income in the amount of P\$11 million, a 15.4% decrease from the P\$13 million in other net exploitation that we registered in 2002.

In 2003, the income from the advisory services we provided to TGS's technical operator was P\$12 million, as compared to P\$13 million in 2002.

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### **Refining**

*Exploitation income:* In 2003, exploitation income for this segment totaled P\$54 million, while no significant results were recorded in this segment in 2002. The improvement resulted from a significant increase in sales volumes and margins.

*Net sales:* In 2003, net sales of refined products increased P\$294 million or 29.2% to P\$1,302 million, from P\$1,008 million, due to a 24.4% increase in sales volumes and higher prices, particularly in the domestic market. Below we highlight certain significant trends in sale prices and volumes for refined products in 2003:

In an effort to optimize our margins in this segment, we adopted changes in the mix of the refined products we sell and of our distribution channels. Domestic sales of refined products increased 41%, mainly due to increased diesel oil sales to other oil companies operating in Argentina. Exports of refined products, on the other hand, dropped 2%.

In 2003, average sales prices of diesel oil, gasoline, aromatics and reformer plant by-products increased 7%, 16%, 14% and 9%, respectively. Taxes on exports of refined products imposed by the Argentine government starting on April 2002 totaled P\$9 million in 2003 and P\$14 million in 2002, decreasing revenues.

Crude oil volumes processed in 2003 averaged 32.6 thousand barrels per day, a 19.9% increase from 2002. During 2003, in order to maximize our overall results in light of the applicable tax regime, integration of our refining and exploration and production operations increased. Accordingly, we prioritized the refining of crude oil over crude oil exports given the 20% export tax on crude oil imposed in Argentina in March 2002.

Sales volumes of diesel oil grew 41.9% in 2003, to 882.6 thousand cubic meters, reflecting a 62.3% increase in sales volumes for diesel oil in the domestic market. This increase resulted primarily from increased sales to oil companies operating in Argentina, particularly EG3 (a company controlled by Petrobras) and, to a lesser extent, a 4.2% recovery of the domestic demand for this product, which was driven by demand from the farming sector. The increase in domestic sales of diesel oil in 2003 was partly offset by an 18.3% drop in exports to bordering countries, particularly to Paraguay.

Total gasoline sales volumes declined 2.9% in 2003, to 119.2 thousand cubic meters, reflecting a 4.6% drop in our sales volumes in Argentina. This decline in domestic gasoline sales resulted primarily from a 10% reduction in total domestic demand for gasoline, due to increased use of CNG as a substitute fuel.

Sales volumes of reformer plant by-products grew 21.8% in 2003, to 79 thousand tons, as a result of a 14% increase in domestic sales and a 54% rise in exports.

Sales volumes for heavy distillates grew 12% in 2003, to 438 thousand tons, due primarily to a 63% increase in domestic sales as a result of increased demand for fuel oil and the increase in crude oil volumes processed. The increase in domestic sales was partially offset by a 1% drop in export volumes.

Asphalt sales volumes grew 102.4% in 2003, to 86 thousand tons, as a result of our active trade policy, and a 110% increase in domestic sales, due to a rise in road construction and specific public works (such as the construction of the Rosario-Victoria Bridge). In addition, 2003 was a record year for asphalt exports, with exports to Bolivia and Paraguay increased 90% compared to 2002, reflecting increased demand in these countries.



Sales volumes of paraffins increased 9.4% in 2003, to 151 thousand tons, due to a 32% rise in domestic sales, resulting from increased demand. This increase was offset by a 4% drop in exports, particularly to the United States and countries bordering Argentina.

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Sales volumes of aromatic products decreased 16.1%, to 56 thousand tons, as a result of a 27.5% drop in domestic sales, which was offset by a 41.6% increase in exports, particularly to countries bordering Argentina.

*Gross profit:* In 2003, gross profit for this segment increased P\$59 million or 92.2% to P\$123 million, from P\$64 million in 2002, due to higher sales volumes and improved gross margins. The gross margin on sales of refined products increased to 9.5% from 6.3%. This increase is attributable to a 4.5% rise in average sales prices, that was only partially offset by a 2.3% increase in the cost of crude (from 78.9 P\$ per barrel in 2002 to 80.7 P\$ per barrel in 2003). While the average WTI increased by 19% in 2003, the appreciation of the peso during this year helped to contain the rise in our crude acquisition costs (which are dollar-based).

*Administrative and selling expenses:* In 2003, administrative and selling expenses for the Refining segment increased P\$9 million or 18.8% to P\$57 million, from P\$48 million. This increase resulted primarily from increased commercial expenses associated with the expansion of our gas station network.

*Other exploitation expenses, net:* In 2003, other exploitation expenses for the refining segment decreased on a net basis to P\$12 million, from P\$16 million in 2002. Idle-facility costs accounted for a P\$6 million loss in 2003, compared to a P\$10 million loss in 2002. In addition, P\$8 million environmental remediation expenses were recorded for this segment in 2003.

## **Petrochemicals**

*International and Regional Overview:* In 2003, the styrenics business was marked by a strong increase in the international prices for its primary raw materials. In line with the upward trend of oil prices, prices for benzene and ethylene increased approximately 27% and 25%, respectively, in 2003. International prices of styrene and polystyrene increased approximately 15%. As a result of the increase in the costs of raw materials, spreads (i.e., the difference between the sales price and the cost of raw materials) for styrenics decreased in 2003, particularly the spread for styrene, which decreased 21% and, to a lesser extent, the spread for polystyrene, which decreased 4%.

The demand for styrenics in Argentina increased considerably in 2003, due to the strong recovery in the country's economic activity. The demand for styrene increased 38%, for polysterene 14% and for rubber 19%. In Brazil, the demand for styrene rose 8% in 2003, while the demand for polystyrene dropped 10%.

The Mercosur region and Chile continued to record a shortage of styrene. The excess supply of polystyrene, on the other hand, continued to increase, due to increased production and lower demand for this product in the Brazilian market.

In the fertilizers business, international prices for urea significantly increased in 2003 to an average of U.S.\$139 per ton, from an average of U.S.\$94 per ton in 2002. This increase resulted primarily from increased demand in the southeastern region of Asia, as well as a lower global supply resulting from the high cost of natural gas in the major manufacturing centers of urea around the world.

Our fertilizers business also benefited from improved conditions in the Argentine farming sector, resulting from favorable international prices for grains, significant growth in sown areas, record soybean harvest and an increased use of nutrient mixes. Droughts in the Provinces of Córdoba, La Pampa and Buenos Aires did not affect this general positive trend. Total demand for fertilizers in Argentina recorded a 31% increase in 2003.

*Exploitation income:* In 2003, exploitation income for the Petrochemicals segment decreased P\$66 million or 26.3% to P\$185 million, from P\$251 million in 2002, mainly as a result of the decrease in the spreads.

*Net sales:* In 2003, net sales for the Petrochemical segment increased P\$40 million or 3.2% to P\$1,294 million, from P\$1,254 million in 2002, mainly as a result of increased sales volumes in Argentina. We highlight below certain sales figures and trends for this segment:

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*Styrenics Argentina:* In 2003, total sales of styrenics from our Argentine operations increased P\$34 million or 7.5% to P\$485 million (including exports to Innova in the amount of P\$5 million), from P\$451 million in 2002 (including exports to Innova in the amount of P\$26 million). In 2003, total sales volumes for styrenics increased to 104 thousand tons from 84 thousand tons in 2002. Average sales prices for styrenics did not register significant changes compared to 2002, as the alignment with international reference prices was offset by the appreciation of the peso.

Sales volumes for styrene increased approximately 38% in 2003, due to increased domestic demand for this products and export growth. The greater level of exports is attributable to increased shipments to Chile reflecting the consolidation of our presence in this country's styrene market.

Sales volumes for polystyrene decreased approximately 11.7% in 2003, due to a 43% drop in exports resulting from lower shipments to Brazil and Europe. These lower shipments in part reflect our efforts to increase exports of styrene to certain regional markets from which we can extract greater profit margins. A 6% increase in sales volume of polystyrene to the domestic Argentine market, resulting from the country's economic recovery, partly offset the decline in the volume of exports of this product.

Sales volumes for Bioriented Polystyrene, or BOPS, increased approximately 56% in 2003, due primarily to a 74% increase in exports, which resulted from increased shipments to the U.S.A. and Europe. In addition, BOPS sales volumes to the domestic Argentine market increased 11% due to the country's economic recovery.

Sales volumes for rubber increased approximately 11%, as a result of the recovery of the Argentine economy and an increase in our market share.

*Styrenics Brazil:* In 2003, sales of styrenics from Innova (our Brazilian petrochemical subsidiary) decreased P\$59 million or 11% to P\$502 million, from P\$561 million in 2002, as a result of the decline in sales volumes and prices. Total sales volumes of styrenics from Innova declined 7% in 2003, reflecting a 3.9% reduction in sales volumes to the Brazilian domestic market (from 176 thousand tons in 2002 to 169 thousand tons in 2003). This reduction in domestic sales volumes was mainly the result of a 13% decline in local sales of polystyrene, due to a drop in demand for this product in Brazil. Local sales of styrene, on the other hand, did not reflect significant changes from the levels recorded in 2002. Export volumes of styrenics from our Brazilian operation declined 17% in 2003, as the decline in international margins for polystyrene limited the opportunities to export polystyrene to markets outside of the region. The average sales price of styrenics from our Brazilian operations dropped 4%, as the appreciation of the peso offset the increase in the international prices of polymers.

*Fertilizers:* In 2003, sales of fertilizer increased 16.4% to P\$312 million, from P\$268 million in 2002, due primarily to a 32% increase in sales volumes that was caused by increased demand for nutrient mixes in Argentina. A 38% increase in sales of liquid fertilizers in 2003 also improved overall fertilizer sales. This improvement in sales of liquid fertilizers reflected the consolidation of our leading position in the Argentine fertilizer market, particularly in the liquid fertilizers segment. Average sales prices for fertilizers dropped 11% in 2003, due to the effects of the peso appreciation that offset the increase in dollar-denominated prices, and the strong growth in sales of liquid fertilizer, which have lower unit prices than solid fertilizers.

*Gross profit:* In 2003, gross profit for the Petrochemicals segment decreased P\$50 million or 13.8% to P\$312 million, from P\$362 million in 2002. Gross margin for this segment decreased to 24.1% in 2003 from 28.9% in 2002, due to an increase in the international prices for raw materials. We highlight below certain significant trends in this segment:

*Styrenics Argentina:* In 2003, gross profit for styrenics from our Argentine operations increased 2.4% to P\$129 million, from \$126 million in 2002, reflecting increased volumes. Gross margin on sales in

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these products, on the other hand, declined to 26.6% in 2003 from 27.8% in 2002, mainly as a result of the increased cost of raw materials.

*Styrenics Brazil:* In 2003, gross profit for styrenics from our Brazilian operations declined 13.6% to P\$89 million, from P\$103 million in 2002. Gross margin for these products declined to 17.8% in 2003 from 18.4% in 2002, mainly as a result of the increased cost of raw materials.

*Fertilizers:* In 2003, gross profit for our fertilizers business declined 29.3% to P\$94 million, from P\$133 million in 2002. Gross margins for fertilizers declined to 30.1% in 2003 from 49.6% in 2002, mainly due to a reduction in the average sales price of fertilizer products as explained above and a change in the product mix. Our margins in this segment were adversely affected by the increase in resales by us of fertilizer volumes with a unit cost higher than that of our own fertilizer products.

*Administrative and selling expenses:* In 2003, administrative and selling expenses for the Petrochemical segment declined P\$12 million or 10% to P\$110 million, from P\$122 million in 2002, mainly as a result of the impact of the significant appreciation of the peso on our costs incurred in Brazil.

*Other exploitation expenses, net:* In 2003, other exploitation expenses for this segment, accounted on a net basis for a P\$17 million loss, attributable to future environmental remediation expenses. This compared to a P\$11 million gain in 2002, attributable to the collection of insurance compensation for a loss occurred at Innova's ethylbenzene plant and certain tax credits from our operations in Brazil.

## **Electricity**

Our results for this segment in 2003 and 2002 reflect the proportional consolidation of Distrilec. See Overview.

*Exploitation income:* In 2003, our exploitation income for this segment increased by P\$23 million or 25.9% to P\$112 million, from P\$89 million in 2002. Our exploitation income for this segment in 2003 and 2002 reflects P\$4 million and P\$32 million, respectively, corresponding to our share of Distrilec's exploitation income for these years.

In 2003, without proportional consolidation, our exploitation income for this segment increased P\$51 million or 89.5% to P\$108 million, from P\$57 million in 2002 (which includes P\$10 million from the exploitation income of Conuar Fae, a company that was divested in the fourth quarter of 2002), due primarily to an increase in the price of electricity and lower production costs.

*Net sales:* In 2003, our net sales for this segment decreased by P\$75 million or 9.8% to P\$691 million, from P\$766 million in 2002. Our net sales for this segment in 2003 and 2002 reflect P\$447 million and P\$518 million, respectively, corresponding to our share of Distrilec's net sales for these years.

In 2003, without proportional consolidation, our net sales for this segment increased P\$38 million or 18.4% to P\$244 million, from P\$206 million in 2002 (excluding P\$42 million in net sales of Conuar/Fae in 2002, which we sold in that year).

*Net sales from generation:* In 2003, net sales for our electricity generation business increased P\$39 million or 19.9% to P\$235 million, from P\$196 million in 2002. This increase resulted from a 20.4% increase in average sales prices, which is attributable primarily to the following factors:

as a result of changes in the regulatory framework, payments of additional compensation from the Argentine Stabilization Fund were received between March and October of 2003 for guaranteed supply to the electricity

market during the winter season. These additional payments accounted for a P\$17 million increase in sales;

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an increase of approximately 7% in the demand for electricity, which, as a result of the limited availability of natural gas during the winter season (due to lower temperatures and increased consumption by industries), required energy dispatch from less efficient machines, which resulted in higher market prices. The reduction in the availability of gas did not affect the activity of the Genelba Power Plant due to the gas supply contract it had in effect during 2003); and

reduced flows from incoming rivers during the second half of the year, which shifted generation away from low-cost hydroelectric plants. This reduction in river flows was caused by a mild summer, which resulted in less snow water supplying the river basins.

In 2003, net sales from the Genelba Power Plant increased P\$34 million or 21% to P\$196 million, from P\$162 million in 2002, due to increased prices and sales volume. The average monomic price of energy and power delivered increased 16.7% in 2003, to P\$39.9 per MWh from P\$34.2 per MWh in 2002. Energy deliveries from this plant increased 4% to 4,918 GWh, from 4,731 GWh in 2002, with a plant factor of 79.1% in 2003 and 73.6% in 2002. The increased sales volume in 2003 was primarily attributable to higher dispatch to the network, due to changes in 2002 to the regulations regarding cost declaration, that benefit the plant's relative competitiveness and permit a more timely and flexible operation. In 2003, the availability factor of the Genelba Power Plant was 96.5%, 1.1% higher than in 2002, as a result of the optimization of starting processes, inspections, maintenance works and the plant's general performance.

In 2003, net sales attributable to HPPL increased P\$7 million or 24% to P\$36.2 million, from P\$29.2 million in 2002. The average monomic sale price of energy and power increased 37.4% to P\$32.3 per MWh, from P\$23.5 per MWh in 2002, reflecting the overall increase in energy prices discussed above. Energy delivered by HPPL dropped 9.7% to 1,120 GWh, from 1,240 GWh in 2002, due to a lower contribution from incoming river flows, as compared to historic average values. As a result of the application of the Energy Support Price Method and by virtue of the prices recorded in 2003 and 2002, and their future estimates, we recorded P\$3 million and P\$5 million gains in 2003 and 2002, respectively.

*Gross profit:* In 2003, our gross profit for this segment increased by P\$10 million or 6.3% to P\$168 million, from P\$158 million in 2002. Our gross profit for this segment in 2003 and 2002 reflects P\$74 million and P\$108 million, respectively, corresponding to our share of Distrilec's gross profit for these years.

In 2003, without proportional consolidation, our gross profits increased P\$59 million or 168.6% to P\$94 million, from P\$35 million in 2002 (excluding P\$15 million corresponding to the gross profits of Conuar/Fae, which we sold in 2002).

*Gross profit from generation:* In 2003, gross profit for the electricity-generation business increased P\$60 million or 193.5% to P\$91 million, from P\$31 million in 2002. This significant increase is mainly attributable to higher sales prices and lower sales costs as measured in constant pesos given that the nominal cost of gas remained unchanged.

*Administrative and selling expenses:* In 2003, our administrative and selling expenses for this segment decreased by P\$19 million or 20.7% to P\$73 million, from P\$92 million in 2002. Our administrative and selling expenses for this segment in 2003 and 2002 reflects P\$65 million and P\$76 million, respectively, corresponding to our share of Distrilec's administrative and selling expenses for these years.

In 2003, without proportional consolidation, our administrative and selling expenses for the generation business dropped P\$4 million or 33.3% to P\$8 million, from P\$12 million in 2002 (excluding P\$4 million corresponding to administrative and selling expenses of Conuar/Fae, which we sold in 2002). In nominal terms, these expenses remained unchanged.



*Other exploitation income (expense), net:* In 2003, our other exploitation income for this segment decreased on a net basis P\$6 million or 26% to P\$17 million, from P\$23 million in 2002. Our net other exploitation income for this segment in 2003 reflects P\$5 million corresponding to our share of Distrilec's exploitation income for that year. In 2002 Distrilec did not register significant net other exploitation income.

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In 2003, excluding proportional consolidation, our other exploitation income decreased on a net basis by P\$1 million or 4.3% to P\$22 million, from P\$23 million in 2002.

**Equity in Earnings of Affiliates and Companies under Joint Control**

**CIESA/TGS:** In 2003, our equity share in the earnings of CIESA (which owns 55.3% of TGS), together with our 7.35% direct interest in TGS, accounted for a P\$240 million gain, compared to a P\$482 million loss in 2002. Given the significant financial indebtedness of both TGS and CIESA that is denominated in U.S. dollars, the appreciation of the peso in 2003, compared to the depreciation it registered in 2002, had a significant impact on their net results. Additionally, CIESA's exploitation income declined 6.7% in 2003, to P\$407 million, as a result of lower revenues for the regulated gas transportation market as a consequence of the pesification of rates. Our results in 2003 include a P\$33 million gain in respect of our investment in CIESA, representing the reversal of the P\$33 million negative value of our equity in this company as of December 31, 2002.

Sales revenues from the gas transportation segment dropped 20.7% in 2003, to P\$422 million. While the committed transportation capacity slightly increased from 61.3 MMm<sup>3</sup>/d to 61.4 MMm<sup>3</sup>/d, the drop in revenues results from failure to adjust gas transportation rates due to the delayed start of the tariff negotiation process with the Argentine government and the restatement of income for 2002. Both effects were partially offset by increased revenues from interruptible transportation services, as a result of a rise in the demand for natural gas.

Income from the NGL production and marketing segment increased 23.3% in 2003 to P\$428.4 million, as a result of: (i) an increase in domestic sale prices caused by a significant increase in international sale prices, (ii) the renegotiation of certain NGL processing and marketing agreements which had been pesified and were re-indexed to the dollar, and (iii) a 6% increase in sales volumes. These positive factors were partially offset by the effect of the restatement of income for 2002, reflecting the fact that the increase in prices and margins exceeded domestic inflation.

CIESA is presented under the proportional consolidation method in our financial statements as of and for the years ended December 31, 2003 and December 31, 2001 included in this annual report, but not in the financial statements as of and for the year ended December 31, 2002. See Overview. As a result, the financial data discussed above is not directly comparable to the corresponding data appearing in our financial statements.

**Distrilec/Edesur:** In 2003, our equity interest in the earnings of Distrilec (through which we hold our interest in Edesur) accounted for an P\$11 million loss, compared to an P\$8 million loss in 2002. In 2003, Distrilec registered a P\$17.2 million operating loss, compared to a P\$46.8 million operating gain in 2002. This shift reflects the impact of the Public Emergency Law and the pesification of rates. Net sales declined 13.9% in 2003, to P\$920.2 million. This decline was mainly attributable to a decrease of approximately 17% (in constant currency) in the average sale price for energy, which was partially offset by a 4.4% increase in the demand for energy. Distrilec's operating loss in 2003 was positively affected by the appreciation of the peso during this year on this company's financial debt.

Distrilec is presented under the proportional consolidation method in our financial statements included in this annual report. See Overview. As a result, the financial data discussed above is not directly comparable to the corresponding data appearing in our financial statements.

**Citelec/Transener:** In 2003, our equity interest in the earnings of Citelec (through which we hold our interest in Transener) accounted for an P\$87 million gain, compared to a P\$241 million loss in 2002. This shift resulted primarily from appreciation of the peso in 2003 and its impact on Transener's financial indebtedness. The equity gain from Citelec in 2003 also reflects the reversal of a P\$66 million allowance recorded in 2002. In 2003, Citelec's exploitation income declined 39.1% to P\$42 million, from P\$69 million in 2002, primarily as a result of the pesification of regulated rates. Sales revenues declined 3.7% in 2003, to P\$276 million, mainly as a result of the

Argentine government's failure to adjust regulated rates in 2002 and 2003. This effect was offset by the increase in unregulated revenues, primarily attributable to revenues derived from construction of the Yacyretá - Ayolas 500 kV High Voltage Transmission Line and other projects in Paraguay.

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*Refinor S.A.:* In 2003, our equity interest in the earnings of Refinor accounted for a gain of P\$28 million, compared to a gain of P\$9 million in 2002. This increase resulted primarily from a 19% rise in fuel marketing margins and, to a lesser extent, the losses attributable to the devaluation of the peso, which had reduced Refinor's earnings for 2002. Refinor's sales increased to P\$858 million in 2003, from P\$836 million in 2002, reflecting a 10% increase in the volume of gas it processed (to an average of 16.7 million cubic meters per day). This increase in gas volume processed resulted from the launch of operations of the Chango Norte field, which supplied gas to Refinor's gathering and compression system. This increase in gas production was offset by a 6% decrease in the level of oil processed (to 17.6 thousand barrels per day), resulting from reduced availability of crude oil.

*Cuyo:* In 2003, our equity interest in the earnings of Cuyo accounted for a P\$16 million gain, compared to a P\$10 million loss in 2002 (which reflects the impact of the peso devaluation in 2002 on Cuyo's U.S. dollar-denominated debt). Cuyo's sales in 2003 totaled P\$225 million, compared to P\$200 million in 2002, as a result of a 5.9% increase in average sale prices of its products, mainly reflecting the 25% rise in the international prices of polypropylene.

*Empresa Boliviana de Refinación (EBR):* In 2003, our equity interest in the earnings of EBR accounted for a P\$5 million loss, compared to a P\$12 million gain in 2002. This drop is mainly attributable to changes introduced in this company's regulatory framework, which resulted in a significant drop in refining margins.

*Oleoductos del Valle S.A. (Oldelval):* In 2003, our equity interest in the earnings of Oldelval accounted for a P\$2 million gain, compared to a P\$11 million gain in 2002, mainly due to a 16% decline in sales revenues (to P\$102 million) resulting from an increase in the U.S. dollar-denominated rate that Oldelval charges to its customers. Oldelval's operating costs increased due to maintenance work performed to secure reliability of the pumping system. During 2003, oil volumes transported by Oldelval from Allen to Puerto Rosales registered a slight 1.2% drop (to 60 million barrels), reflecting the natural decline of the oil field at the Neuquén basin, and sustained growth of exports to Chile through the Trans-andino Oil Pipeline.

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*Net income:* In 2002, we reported a net loss of P\$1,579 million, compared to income of P\$101 million in 2001. The enactment of the Public Emergency Law, the peso devaluation, the worsening of the current economic and financial crisis in Argentina, in addition to growing uncertainty over its evolution, adversely affected 2002 operations and resulted in significant losses. This resulted in a significant change in the historical evolution of our results. Net income in 2002, without proportional consolidation, was significantly affected by the following factors:

- (i) Argentine peso devaluation: The 238% devaluation of the peso in 2002 affected our results in two respects: it caused (i) P\$8,030 million in negative exchange differences derived principally from the net borrowing position primarily denominated in U.S. dollars, and (ii) a P\$356 million increase in interest related to foreign currency financial debt (from P\$477 million in 2001 to P\$833 million in 2002). Conversely, remeasurement and translation into Argentine currency of foreign non-monetary assets accounted for a P\$1,500 million gain. See Factors Affecting Our Consolidated Results of Operations Economic and Political Developments in Argentina Argentina Peso Devaluation.
- (ii) Valuation of our interests in utility companies: Due primarily to the peso devaluation and the pesification of rates, equity in earnings of utility companies dropped P\$851 million in 2002. In addition, we recorded a P\$66 million impairment charge to write off the book value of Citelec. In 2001, we recorded a P\$202 million impairment charge to write off CIESA's acquisition value in excess of the relevant book value. See Factors Affecting Our Consolidated Results of Operations Economic and Political Developments in Argentina Valuation of Our Interests in Utility Companies.
- (iii) Impairment of assets: We have recorded a P\$63 million impairment allowance for our operations in Ecuador. See Factors Affecting our Consolidated Results of Operations Operations in Ecuador. We also adjusted the book value of assets of certain gas areas in Argentina and equity interest in Hidroneuquén, accounting for P\$44 million and P\$10 million losses, respectively, in 2002. See Factors Affecting Our Consolidated Results of Operations Economic and Political Developments in Argentina Impairment of Assets. In addition, considering prospects for the evolution of results of operations, we recorded P\$19 million and P\$103 million impairment charges in 2002 and 2001, respectively, to write off the minimum presumed income tax credit.
- (iv) Impairment of Argentine government bonds: Since the Argentine government declared the default on most of its sovereign debt, following a conservative accounting practice, we recorded an impairment charge to write off the book value of our holdings of Argentine External Bills in U.S. dollars, survey rate series 74, accounting for a P\$30 million loss in 2002.
- (v) Association Agreement in San Carlos and Tinaco: P\$37 million impairment charge to write off the value of the investments made in such areas. See Factors Affecting Our Consolidated Results of Operations Political and Economic Situation in Venezuela Association Agreement in San Carlos and Tinaco.
- (vi) Political and economic crisis in Venezuela: Political and economic unrest, especially the prolonged strike in which PVDSA's workers joined, accounted for a drop in sales from our Venezuelan operations of approximately U.S.\$10 million. Considering the uncertainty posed by the prevailing situation in Venezuela, we deemed it prudent to record a P\$42 million impairment charge in 2002 to write off the book value of loans granted to partners in Venezuelan joint ventures. Under such loan agreements, we from time to time provide our joint venture partners any cash required to comply with the obligations related to the joint venture's cash flows. The

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impairment charge was recorded to adjust loan quality to probable recoverable value taking into account that such loans are secured by a pledge as fiduciary bond.

These effects were partially mitigated by:

- (i) Effect of inflation: The significant net borrowing position resulted in the recognition of a P\$6,210 million gain for exposure to inflation. See Factors Affecting Our Consolidated Results of Operations Economic and Political Developments in Argentina Effects of Inflation.
- (ii) Income from divestment of non-core assets: Divestment of non-core assets accounted for a P\$78 million net gain in 2002. See Factors Affecting Our Consolidated Results of Operations Divestment of Non-Core Assets. During the 2001 fiscal year, divestment of operations accounted for a P\$186 million net gain.

*Net sales:* In 2002, our net sales decreased by P\$64 million or 1.2% to P\$5,106 million, from P\$5,170 million in 2001. Our net sales for 2002 reflect P\$519 million corresponding to our share of Distrilec's net sales for that year. Our net sales for 2001 reflect P\$610 million and P\$946 million corresponding to our share of the net sales of CIESA and Distrilec, respectively, for that year.

Without proportional consolidation, net sales increased P\$973 million or 26.9% to P\$4,587 million in 2002, from P\$3,614 million in 2001, primarily due to the significant rise in the price of the main commodities that we sell. In the prevailing inflationary scenario in 2002, the price of the main products significantly increased reflecting increased contribution from foreign operations, increased exports and the alignment of domestic prices with export reference prices. In such respect, in 2002 the prices of crude oil, styrene and polystyrene increased 52%, 72% and 37%, respectively. In 2002, sales for the Oil and Gas Exploration and Production business segment increased P\$831 million (including a P\$300 increase in intercompany sales), and sales for the Petrochemicals and Refining business segments increased P\$436 million and P\$220 million, respectively. In contrast, sales revenues from the Electricity segment decreased P\$116 million.

*Gross profit:* In 2002, our gross profit decreased by P\$1 million or 0.1% to P\$1,822 million, from P\$1,823 million in 2001. Our gross profit for 2002 reflects P\$113 million corresponding to our share of Distrilec's gross profits for that year. Our gross profit for 2001 reflects P\$376 million and P\$292 million corresponding to our share of the gross profits of CIESA and Distrilec, respectively, for that year.

Without proportional consolidation, gross profit for 2002 increased P\$554 million or 48% to P\$1,709 million from P\$1,155 million in 2001, mainly as a result of increased marketing margins of the main commodities. Oil and Gas Exploration and Production and Petrochemical business segments gross profits increased P\$419 million and P\$210 million, respectively. Conversely, as a result of restrictions on the increase of energy sales prices in the prevailing inflationary scenario, gross profit for the Electricity business segment dropped by P\$62 million.

*Administrative and selling expenses:* In 2002, our administrative and selling expenses decreased by P\$56 million or 8.4% to P\$609 million, from P\$665 million in 2001. Our administrative and selling expenses for 2002 reflect P\$77 million corresponding to our share of Distrilec's administrative and selling expenses for that year. Our administrative and selling expenses for 2001 reflect P\$33 million and P\$122 million corresponding to our share of the administrative and selling expenses of CIESA and Distrilec, respectively, for that year.

Without proportional consolidation, administrative and selling expenses for 2002 increased P\$22 million or 4.3% to P\$532 million, mainly as a result of the effect of devaluation on expenses incurred abroad. This impact, however, was mitigated by the implementation of a stringent cost optimization policy.

*Exploration expenses:* Exploration expenses increased P\$17 million or 41.5% to P\$58 million in 2002 from P\$41 million in 2001.

*Other exploitation income (expense), net:* In 2002, we recorded other exploitation expenses, net, in the amount of P\$28 million, compared to other exploitation income, net, in the amount of P\$23 in 2001. Distrilec

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(which was subject to proportional consolidation in 2002) did not register, on a net basis, any other exploitation expenses in 2002. Our net other exploitation income for 2001 reflects P\$3 million corresponding to our share of the net other exploitation income of Distrilec for that year.

In 2002, excluding proportional consolidation, we recorded other exploitation expenses, net, in the amount of P\$28 million, compared to other exploitation income, net, in the amount of P\$20 million in 2001. Our net other exploitation expenses for 2002 resulted primarily from a P\$20 million reduction in income from advisory services related, either directly or indirectly, to utility companies' operation, in line with the special situation of these companies, and P\$15 million in liabilities for environmental remediation work.

*Exploitation income:* In 2002, our exploitation income decreased by P\$13 million or 1.1% to P\$1,127 million, from P\$1,140 million in 2001. Our exploitation income for 2002 reflects P\$36 million corresponding to our share of Distrilec's exploitation income for that year. Our exploitation income for 2001 reflects P\$343 million and P\$173 million corresponding to our share of the exploitation income of CIESA and Distrilec, respectively, for that year.

Without proportional consolidation, exploitation income increased P\$468 million or 75% to P\$1,092 million in 2002 from P\$624 million in 2001, mainly as a result of the significant increase in gross profit.

*Equity in earnings of affiliates:* Equity in earnings of affiliates accounted for a P\$638 million loss in 2002 compared to a P\$119 million gain in 2001. This significantly increased loss mainly resulted from the decline in earnings of our affiliate utility companies.

Without applying proportional consolidation in 2002, our equity interest in the earnings of affiliates would have registered a net loss of P\$647 million, as compared to a net gain of P\$204 million in 2001. This shift resulted primarily from a significant reduction in the earnings of our affiliate utility companies. In 2002, these companies registered a loss of P\$732 million, compared to a P\$119 million gain in 2001. In 2002, our equity interest in the earnings of affiliates was also adversely affected by the following factors:

the loss of earnings resulting from the sale of our interests in Pecom Agra, from which we had derived a P\$17 million gain in 2001; and

a P\$10 million loss from our equity interest in the earnings of Cuyo, compared to a gain of P\$4 million in 2001, resulting from the impact of the peso devaluation on Cuyo's dollar-denominated debt.

Conversely, we derived a P\$59 million gain from our equity share in the earnings of Cerro Vanguardia, compared to a P\$16 million gain in 2001, reflecting the inflow of U.S. dollar-denominated cash flows from this company's operations.

For a discussion of our equity in the earnings of companies over which we exercise joint control in 2002 and the factors that affected these companies' results during that year, see *Equity in Earnings of Affiliates and Companies under Joint Control*.

*Financial income (expense) and holding gains (losses):* In 2002, our financial expenses and holding losses increased by P\$1,254 million or 218.8% to P\$1,827 million, from P\$573 million in 2001. Our financial expenses and holding losses for 2002 reflect P\$168 million corresponding to our share of Distrilec's financial expenses and holding losses for that year. Our financial expenses and holding losses for 2001 reflect P\$124 million corresponding to our share of CIESA's financial and holding losses for 2001, and P\$2 million corresponding to our share of Distrilec's financial and holding gains for 2001.



Without proportional consolidation, net financial expenses increased P\$1,208 million or 267.8% to an expense of P\$1,659 million in 2002 from an expense of P\$451 million in 2001. Such increased loss is primarily attributable to: (i) a P\$8,030 million net exchange loss in 2002, (ii) an increase in net financial costs from P\$414 million in 2001 to P\$770 million in 2002, (iii) adjustment of liabilities on account of pesification and subsequent application of indexation in the amount of P\$54 million, (iv) impairment charge to write off book value of holding

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of Argentine External Bills in U.S. dollars, survey rate series 74, accounting for a P\$30 million loss and (v) a P\$470 million loss in 2002 compared to a P\$8 million loss in 2001 from derivatives that do not qualify for hedge accounting, reflecting the increase in the future price curve of reference crude oil and the impact of the devaluation of the peso. Such effects were mitigated by a P\$1,500 million gain resulting from conversion and translation of foreign non-monetary assets and by a P\$6,209 million gain due to exposure to inflation.

*Other expenses, net:* In 2002, our other expenses increased on a net basis by P\$99 million or 112.5% to P\$187 million, from P\$88 million in 2001. Our net other expenses for 2002 reflect P\$9 million corresponding to our share of Distrilec's net other expenses for that year. Our net other expenses for 2001 reflect P\$63 million and P\$11 million corresponding to our share of the net other expenses of CIESA and Distrilec, respectively, for that year.

Without proportional consolidation, other expenses, net recorded P\$178 million and P\$14 million losses in 2002 and 2001, respectively. In 2002, losses were primarily attributable to the following: (i) impairment of gas production blocks in the amount of P\$44 million, (ii) P\$63 million for impairment allowance from our group of assets in Ecuador, (iii) impairment of exploratory investments in the San Carlos areas in the amount of P\$37 million, (iv) impairment charge to write off book value of interest in Hidroneuquén in the amount of P\$10 million, (v) P\$42 million allowance for bad debts related to loans granted to joint venture partners in Venezuela, and (vi) accelerated amortization of financial debt issuance costs in the amount of P\$17 million, in the context of the debt refinancing process. Such effects were partially offset by gain from divestment of non-core assets of P\$78 million. Losses recorded in the previous fiscal year were mainly attributable to the P\$202 million impairment charge to write off the acquisition value of CIESA in excess of the relevant book value and to the P\$65 million loss from the sale of Pampa del Castillo-La Guitarra area and of the shareholding in Terminales Marítimas Patagónicas, partially offset by a P\$251 million gain derived from a hydrocarbon assets exchange.

*Income tax:* In 2002, our income tax charge decreased by P\$303 million or 78.7% to P\$82 million, from P\$385 million in 2001. Our income tax charge for 2002 reflects a P\$127 million gain corresponding to our share of Distrilec's income tax for that year. Our income tax charge for 2001 reflects P\$66 million and P\$70 million, corresponding to our share of the income tax of CIESA and Distrilec, respectively, for that year.

Without proportional consolidation, the income tax provision accounted for a P\$209 million expense in 2002 compared to a P\$249 million expense in 2001. Both years include an impairment charge to write off the minimum presumed income tax credit in the amount of P\$19 million and P\$104 million, respectively.

**Oil and Gas Exploration and Production**

*Exploitation income:* Exploitation income for this segment increased P\$327 million or 56.9% to P\$902 million in 2002 from P\$575 million in 2001. This increase was primarily due to increased sale prices and an increase in margins, as explained below.

*Net sales:* Net sales for this business segment increased P\$831 million or 42.1% to P\$2,806 million in 2002 from P\$1,975 million in 2001. Excluding intercompany sales, net sales for this segment increased to P\$2,033 million or 35.4% from P\$1,502 million. This significant rise was attributable to increased sale prices mainly as a result of the peso devaluation during 2002. Crude oil international price slightly increased to U.S.\$26.3 per barrel or 1.5% in 2002. As a consequence of the combined effect of such factors, the average price per barrel of oil equivalent increased 52.5% to P\$45/per barrel of oil equivalent from P\$29.5/per barrel of oil equivalent. Crude oil hedging policy in 2002 and 2001 accounted for an opportunity cost of P\$373 million and P\$341 million, respectively.

Combined oil and gas sales declined 6.8% to 171.1 thousand barrels of oil equivalent per day in 2002 from 183.6 thousand barrels of oil equivalent per day in 2001. The previous year includes sales attributable to the Pampa del

Castillo La Guitarra area, which was sold in October 2001 and contributed an average production of 7.3 thousand barrels of oil equivalent per day in 2001. Excluding such divestment, the daily sales volume dropped only 2.9%. The significant reduction in the investment plan severely limited operations during 2002. Along these lines, our investments were focused on countries and products with greater possibilities of accelerated cash generation. Our proactive management of operations enabled us to mitigate the effects of the reduction in the investment plan.

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*Net Sales in Argentina:* Net sales of oil and gas in Argentina increased P\$383 million or 31.3% to P\$1,607 million in the 2002 fiscal year from P\$1,224 million in the 2001 fiscal year. Combined oil and gas sales volumes in 2002 decreased 10.1%, to 101.5 thousand barrels of oil equivalent per day in 2002 from 112.9 thousand barrels of oil equivalent per day in 2001.

Sales of crude oil in Argentina increased P\$447 million or 45.8% to P\$1,423 million from P\$976 million as a consequence of the peso devaluation. Average crude oil prices, net of discounts per barrel, increased 62.3% to P\$65.4 in 2002 from P\$40.3 in 2001. Tax on crude oil exports applied since April 2002 accounted for a P\$84 million lower revenue in 2002. Daily oil sales volumes dropped 10% to 59.2 thousand barrels from 65.8 thousand barrels, mainly as a result of the sale of Pampa del Castillo La Guitarra area.

Sales of natural gas in Argentina dropped P\$65 million or 26% to P\$183 million in 2002 from P\$248 million in 2001. In 2002, gas daily sales volumes decreased 10.3% to 253.9 million cubic feet from 282.9 million cubic feet, primarily as a consequence of reduced sales to gas distributors, especially as a result of the application of more stringent credit policies and, to a lesser extent, as a consequence of the reduced demand from thermoelectric generating plants on account of the high water supply levels recorded in 2002. Average gas sales prices dropped to P\$1.98 per thousand cubic feet in 2002 from P\$2.40 per thousand cubic feet in 2001, in line with the Public Emergency Law provisions that limit the possibility of increasing the price of gas sold in the domestic market, mainly regarding sales agreements entered into with utility companies and with the power thermoelectric generating plants. However, we renegotiated the terms and conditions of certain gas sales agreements, especially those corresponding to exporting clients, and the prices of said agreements were adjusted to meet the new economic conditions.

*Net Sales Outside of Argentina:* Net sales of oil and gas outside Argentina increased P\$448 million or 59.7% to P\$1,199 million in 2002 from P\$751 million in 2001, mainly as a result of the peso devaluation. In 2002, combined oil and gas sales decreased 1.7% to an average of 69.5 thousand barrels of oil equivalent per day from 70.7 thousand barrels of oil equivalent per day in 2001.

In Venezuela, oil and gas sales increased P\$220 million or 45.8% to P\$700 million in 2002 from P\$480 million in 2001 as a consequence of the peso devaluation. During 2002, average daily oil sales decreased 3.5% to 44.7 thousand barrels compared to 46.3 thousand barrels in 2001 as a result of the field's natural decline and reduced deliveries due to the oil strike during December 2002. In 2002, the average oil price per barrel increased 51% to P\$41.9 from P\$27.7 in the 2001 fiscal year.

In Bolivia, oil and gas sales increased P\$29 million or 34.9% to P\$112 million in 2002 from P\$83 million in 2001, mainly as a result of the peso devaluation. Combined daily oil and gas sales volumes decreased 6.4% to 7.3 thousand barrels of oil equivalent per day in 2002 from 7.8 thousand barrels of oil equivalent per day in 2001 as a result of reduced gas demand from Brazil.

In Peru, oil and gas sales increased P\$174 million or 95.1% to P\$359 million in 2002 from P\$184 million in 2001. Due to the Argentine peso devaluation, average oil sales prices rose 101% to P\$80.4 from P\$40 in 2001. In 2002, daily oil sales volumes decreased slightly to 11.3 thousand barrels from 11.6 thousand barrels in 2001, reflecting the field natural decline.

In Ecuador, net sales totaled P\$28 million in 2002 and there were no material sales in 2001. Sales in 2002 were attributable to the start-up of production at the Palo Azul field, in Block 18, upon approval of the development plan, which added sales of P\$16 million. In addition, management works were performed in the amount of P\$12 million.

*Gross profit and gross margin:* Gross profit for this business segment increased P\$419 million or 53.2% to P\$1,206 million in 2002 from P\$787 million in 2001 as a result of the Argentine peso devaluation. Gross margin

increased to 43% in 2002 from 39.9% in 2001. During 2002, we continued to reduce costs by optimizing our operations.

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*Administrative and selling expenses:* Administrative and selling expenses for this business segment increased P\$57 million or 34.1% to P\$224 million in 2002 from P\$167 million in 2001 as a result of the Argentine peso devaluation effect on foreign operations expenses. The ratio of administrative and selling expenses to sales did not suffer significant changes in 2002.

*Exploration expenses:* Exploration expenses increased P\$17 million or 41.5% to P\$58 million in 2002 from P\$41 million in 2001. During 2002, drilling activities at the Chontayacu well at Block 18 in Ecuador were completed but proved to be unsuccessful. In addition, 238 km of 2-D seismic lines were shot at Block 31. In Argentina and Peru, investments attributable to the Chiripá well in the Santa Cruz II Oeste area and to the Mashansha well at Lot 35 were charged to income, but no reserves were found.

*Other exploitation income, net:* Other exploitation income recorded a P\$22 million loss in 2002 mainly attributable to liabilities for environmental remediation and the sale of fixed assets. In 2001, net exploitation income accounted a P\$4 million loss, due mainly to discontinued projects.

### **Hydrocarbon Marketing and Transportation**

Our results for this segment in 2002 do not reflect the proportional consolidation of CIESA. In 2001, CIESA's results are proportionally consolidated. See Overview.

*Exploitation income:* In 2002, our exploitation income for this segment decreased by P\$362 million or 95.7% to P\$16 million, from P\$378 million in 2001. Our exploitation income for this segment in 2001 reflects P\$342 million corresponding to our share of CIESA's exploitation income for that year.

Without proportional consolidation, exploitation income for the hydrocarbon marketing and transportation business segment decreased P\$20 million or 55.5% to P\$16 million in 2002 compared to P\$36 million in 2001.

*Our own operations:* Due to a reformulation of the liquid processing business, beginning in 2002 the Oil and Gas Exploration and Production business segment has developed the liquid processing business segment. In 2001, sales revenues amounted to P\$50 million and exploitation income totaled P\$14 million. Excluding the effects from these activities, exploitation income from this segment's operations decreased P\$2 million to P\$3 million in 2002 from P\$5 million in 2001, and sales revenues dropped P\$19 million to P\$16 million from P\$35 million in 2001, mainly due to the deterioration of the price of gas sold in the domestic market and the drop in oil operations, partially offset by improved prices resulting from the Argentine peso devaluation.

*Other operating expenses:* In relation to advisory services provided to TGS's technical operator, we recorded P\$13 million and P\$17 million of income in 2002 and 2001, respectively.

### **Refining**

*Exploitation income:* Exploitation income decreased P\$5 million. We did not report exploitation income from this segment in 2002, while in 2001 it totaled a P\$5 million gain.

*Net sales:* Net sales of refinery products, including intersegment sales, increased P\$220 million or 27.9% to P\$1,008 million in 2002 from P\$788 million in 2001, boosted by increased prices and higher export volumes, which partially offset the strong shrinkage in the domestic market. In 2002, the average sales price of diesel oil, gasolines, heavy products, benzene, paraffins, aromatics and asphalts increased 23.1%, 7.3%, 58.5%, 108%, 55.4%, 30.5% and 24.0%, respectively. Total sales volumes remained unchanged compared to 2001. There was, however, a change in the mix of products sold, aiming to prioritize the optimization of margins, as well as in marketing channels. Along these

lines, exports increased 171%, capitalizing on the improved competitiveness of Argentine production after the devaluation, while local sales dropped 30% due to the domestic market shrinkage and the lack of profitability.

Taxes on exports applied in April 2002 accounted for P\$14 million lower income in 2002.

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During 2002, gasoline and diesel domestic demand dropped 12.5% and 8.4%, respectively. The recession in the Argentine market in addition to the strong tax incidence on final prices of these products had a negative impact on demand. This, in turn, encouraged a strong growth in alternative products such as CNG. Total diesel sales volumes decreased 16.3%, with a 35% decline in the domestic market, offset by a 416% increase in exports to bordering countries, especially to Paraguay. Total gasoline sales volumes dropped 2.7%, reflecting the domestic market behavior.

Aromatics sales volumes rose 3.4% on account of increased exports that rose 144%, mainly to bordering countries and the United States, offset by a 15% drop in the domestic market. Sales volumes of the reformer plant products decreased 5.6% due to reduced local sales (22%), offset by a 503% increase in exports. Sales volumes of paraffinic products increased 34.5% due to the 90% rise in export volumes, mainly to the United States and bordering countries, offset by reduced local sales (20%). Sales volumes of heavy products increased 46.1% due to the 150% increase in volumes exported to the United States and bordering countries, offset by reduced local sales (46%). Asphalts sales volumes dropped 46.4%, with a 60% market shrinkage, and the market share decreased to 17% from 21% in 2001. Sales to the domestic market influenced by the interruption of most public works recorded a 65% drop, offset by exports to Bolivia and Paraguay which increased 194% compared to 2001. We set a new record on asphalt exports.

*Gross profit and gross margin:* Gross profit for this business segment dropped P\$13 million or 16.9% to P\$64 million in 2002 from P\$77 million in 2001. Gross margin decreased from 9.8% in 2001 to 6.3% in 2002.

In 2002, the refining spread per barrel (average sales price less crude oil cost) decreased to P\$18.1 or 22.3% from P\$23.3. The average price of crude oil increased to P\$78.9 per barrel or 36.8% from P\$57 per barrel in 2001, reflecting the impact of the Argentine peso devaluation. The international reference price remained at an average of U.S.\$26 per barrel, equivalent to the average recorded in 2001. Express Argentine government initiatives and the gradual drop in the activity level curbed the passing through of increased crude oil costs to sales prices. Sales prices only increased an average of 28%, thus resulting in the aforementioned deterioration of the spread per barrel.

In line with the strategy designed to maximize product contribution margins through the optimization of crude oil volumes processed, mainly by capitalizing on lower refined product export tax rates compared to export tax rates applicable to crude oil, crude oil volumes processed in 2002 averaged 27.1 thousand barrels per day, 6% higher than in 2001.

*Administrative and selling expenses:* Administrative and selling expenses for this business segment decreased P\$11 million or 18.6% to P\$48 million in 2002 from P\$59 million in 2001, mainly due to the fact that expenses increased significantly below inflation levels.

*Other operating expenses:* Other operating expenses recorded P\$16 million and P\$13 million losses in 2002 and 2001, respectively. The under-absorption of fixed costs imposed by the optimization policy of crude oil volumes processed accounted for P\$10 million losses in both fiscal years. In addition, P\$5 million liabilities for environmental remediation costs were recorded in 2002.

**Petrochemicals**

*Exploitation income:* Exploitation income for this business segment increased P\$192 million or 325% to P\$251 million in 2002 from P\$59 million in 2001, primarily due to the significant recovery of marketing margins, especially styrenics margins, and to increased styrene, polystyrene and rubber sales volumes. In addition, the changes in the fertilizers sales mix boosted exploitation income since the sale of products with a higher added value was prioritized.



*Net sales:* Net sales for this business segment, including intersegment sales, increased P\$436 million or 53.3% to P\$1,254 million in 2002 from P\$818 million in 2001.

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*Styrene and polystyrene Argentina:* Sales of styrene and polystyrene from Argentina increased P\$158 million or 54% to P\$451 million from P\$293 million in 2001 (including exports to Innova in the amount of P\$26 million and P\$9 million, respectively). Sales prices of styrene, polystyrene and rubber prices increased 72%, 37% and 36%, respectively. Sales volumes recorded a 5% increase, boosted by a 41% increase in exports, which offset the 13% drop in local sales. Styrene sales volumes rose 9%, boosted by a 183% increase of exports, principally to Brazil and Chile, thus confirming our leading position in the styrene market in the Mercosur. Local sales dropped 28% due to the impact of the strong Argentine recession during the year. Polystyrene sales volumes increased 10% due to a 45% record increase in exports, the main destinations being neighboring countries, especially Brazil and Chile, and the United States and Europe, while local sales dropped 12%. Total rubber sales volumes increased approximately 8% boosted by the 15% increase in exports (setting another record for us), mainly to Brazil, Chile and Peru, offset by reduced local sales (6%). Tax on exports applied in April 2002 accounted for a P\$6 million income reduction in 2002.

*Styrene and polystyrene Brazil:* Sales of styrene and polystyrene from Brazil increased P\$264 million or 89.6% to P\$561 million from P\$297 million in 2001, primarily due to the increase in styrene and polystyrene international prices which recorded 88% and 61% increases, respectively, compared to 2001. In addition, Innova's low-cost production, as well as the plant's strategic location and the effective business management, helped extend the client base in Brazil and generate a 25% increase in styrene volumes sales. With a 2.8% rise in the local market share, the increased trading activity allowed us to consolidate our leading position in the Brazilian market. Polystyrene sales volumes were slightly higher than those in 2001. A 188% increase in exports compared to 2001, mainly attributable to the consolidation of commercial relations in South Africa and sales to the United States, favorably offset the 11% drop in local sales. Excluding non-recurrent sales made to co-producers in 2001, the volume sold to our client base registered a 5.7% increase. Overall performance acquires significance within a market characterized by increasing competitive pressures as a result of a substantial increase in the total installed production capacity.

*Fertilizers:* Net sales increased P\$31 million or 13.1% to P\$268 million from P\$237 million mainly as a result of a 33% price increase on account of the passing through of increased input costs and of the change in the sales mix. Total sales volumes fell 15.4% compared to 2001, in line with the Argentine market shrinkage. In addition, during 2002 we set up a more selective sale strategy aimed at prioritizing the quality of our client portfolio and maximizing marketing margins. Along these lines, sales volumes of products manufactured increased 21%, while resale dropped 58%.

*Gross profit and gross margin:* Gross profit increased P\$210 million or 138.2% to P\$362 million in 2002 from P\$152 million in 2001. Gross margin on sales increased to 28.9% in 2002 from 18.6% in 2001. In 2002 international and local margins were significantly higher than in 2001, boosted by an increased demand from Asia, in addition to operating problems that affected the performance of plants located in the United States and Europe. Within this scenario, the differential of international prices between crystal polystyrene (South East Asia) and the mix of benzene/ethylene raw materials (U.S. Gulf Coast) increased 64%, and the differential between styrene (U.S. Gulf Coast) and the mix of benzene/ethylene raw materials (U.S. Gulf Coast) increased 330%. In line with the international price trend, polystyrene and styrene marketing spreads increased 27% and 81% in Argentina, and 51% and 129% in Brazil, respectively. In addition, because of the peso devaluation, Argentina's elastomers business gained international competitiveness due to the relative importance of its fixed production costs.

*Administrative and selling expenses:* Administrative and selling expenses increased P\$27 million or 28.7% to P\$122 million from P\$95 million due to the Argentine peso devaluation effects on Brazilian operations.

*Other exploitation income:* Other exploitation income recorded P\$11 million and P\$2 million gains in 2002 and 2001, respectively. Fiscal year 2002 income is attributable to the collection of an insurance compensation for a loss occurred at the ethyl benzene plant and to certain tax credits from operations in Brazil.

**Electricity**

Our results for this segment in 2002 and 2001 reflect the proportional consolidation of Distrilec. See Overview.

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*Exploitation income:* In 2002, our exploitation income for this segment decreased by P\$198 million or 69% to P\$89 million, from P\$287 million in 2001. Our exploitation income for this segment in 2002 and 2001 reflects P\$32 million and P\$149 million, respectively, corresponding to our share of Distrilec's exploitation income for these years.

Without proportional consolidation, income for this business segment dropped P\$81 million or 58.7% to P\$57 million in 2002 from P\$138 million in 2001. Within the current economic context, the Public Emergency Law provisions significantly affected the business segment's margins. In such respect, pesification of tariffs and contracts within an inflation and devaluation scenario adversely affected the business segment's operating performance.

*Net Sales:* In 2002, our net sales for this segment decreased by P\$520 million or 40.4% to P\$766 million, from P\$1,286 million in 2001. Our net sales for this segment in 2002 and 2001 reflect P\$518 million and P\$922 million, respectively, corresponding to our share of Distrilec's net sales for these years.

Without proportional consolidation, net sales in the electricity business generally decreased P\$116 million or 31.9% to P\$248 million from P\$364 million. Net sales of electricity generation decreased P\$70 million or 26.3% to P\$196 million from P\$266 million in 2001. Net sales of nuclear fuel elements and other products totaled P\$42 million and P\$5 million in 2002 and 2001, respectively.

*Net Sales from generation:* Net sales attributable to the Genelba Power Plant dropped P\$40 million or 19.8% to P\$162 million in 2002 from P\$202 million in 2001 reflecting a drop in energy prices, which was partially offset by increased sales volumes. The average monomic price of energy and power delivered dropped 32.3% accounting for P\$34.2 per MWh and P\$49.8 per MWh, respectively, mainly due to pesification and a 6% demand shrinkage. In 2002, energy deliveries increased by 18.9% to 4,731 GWh from 3,979 GWh in 2001, with plant factors of 73.6% and 59.8%, respectively. The increased volume was mainly attributable to: (i) non-restriction of fuels during 2002; (ii) higher operating availability; and (iii) higher dispatch to the network, due to a timely and flexible operation and the effects of regulatory changes that improved the Genelba Power Plant's competitiveness. In 2002, Genelba Power Plant operating availability was 95.4%, 3.3% higher than in 2001, as a result of compliance with works scheduled in the technical maintenance program for equipment.

Net sales attributable to HPPL dropped P\$19 million or 39.2% to P\$29 million in 2002 from P\$48 million in 2001 as a consequence of the combined effect of lower sales prices and a slight drop in sales volumes, to 1,240 GWh from 1,313 GWh, determined by the high water levels recorded in 2001. The average monomic price of energy and power delivered dropped 35.6%, accounting for P\$23.5 per MWh and P\$36.2 per MWh, respectively, mainly due to pesification of prices. On account of the application of the Energy Support Price Method and by virtue of the prices recorded in both fiscal years and their future estimates, we posted P\$5 million and P\$17 million gains, respectively, in both years.

*Gross profit and gross margin:* In 2002, our gross profit for this segment decreased by P\$222 million or 58.4% to P\$158 million, from P\$380 million in 2001. Our gross profit for this segment in 2002 and 2001 reflects P\$108 million and P\$268 million, respectively, corresponding to our share of Distrilec's gross profit for these years.

Without proportional consolidation, gross profit for the generation business dropped P\$48 million or 61% to P\$31 million in 2002 from P\$79 million in 2001. Gross margin declined to 15.8% from 27.9%, mainly as a result of reduced prices of electricity generation on account of the aforementioned provisions of the Public Emergency Law. Gains recorded on account of the application of the support price method for energy generated at HPPL mitigated the significant price drop.

*Administrative and selling expenses:* In 2002, our administrative and selling expenses for this segment decreased by P\$45 million or 32.8% to P\$92 million, from P\$137 million in 2001. Our administrative and selling expenses for this segment in 2002 and 2001 reflects P\$76 million and P\$122 million, respectively, corresponding to our share of Distrilec's exploitation income for these years.

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Without proportional consolidation, administrative and selling expenses for the electricity generation business increased P\$8 million or 100% to P\$16 million in 2002 from P\$8 million in 2001. This increase mainly derived from allowances for customers' bad debts.

Other exploitation income (expense), net: In 2002, our other exploitation income for this segment decreased on a net basis P\$21 million or 47.7% to P\$23 million, from P\$44 million in 2001. In 2002 Distrilec did not register significant net other exploitation income. Our net other exploitation income for this segment in 2001 reflects P\$3 million corresponding to our share of Distrilec's exploitation income for that year.

Without proportional consolidation, other exploitation income-net decreased P\$18 million or 43.9% to P\$23 million from P\$41 million, mainly as a consequence of lower advisory services fees rendered to Edesur's technical operator.

### **Equity in Earnings of Affiliates and Companies under Joint Control**

*CIESA/TGS:* In 2002, our equity share in the earnings of CIESA (which owns 70% of TGS) accounted for a P\$482 million loss, compared to a P\$51 million gain in 2001. This shift resulted primarily from the effects of the peso devaluation on this company's significant dollar-denominated debt. Additionally, CIESA's net operating profit fell 6.7% in 2002, to P\$4.07 million, as a result of reduced revenues in the regulated segment caused by the pesification of utility rates.

Sales revenue for the gas transportation segment dropped approximately 44% in 2002 (in constant pesos), primarily as a result of the pesification of utility rates. These reductions were partially offset by an increase in the amount of contracted firm transportation capacity, which in 2002 increased from 60.7 million cubic meters per day to 6.14 million cubic meters per day, and by greater revenue from interruptible gas transportation services. The increased level of contracted firm transportation capacity is principally the result of a significant expansion of our gas transportation system starting in June 2001.

The revenue derived from the production and sale of NGL in the unregulated segment increased P\$111.5 million in 2002, due to an increase in prices and sales volume, which resulted from the devaluation of the peso against U.S. dollar-denominated export prices.

*Distrilec/Edesur:* In 2002, our equity interest in the earnings of Distrilec (through which we hold our interest in Edesur), accounted for a P\$8 million loss, compared to a P\$49 million gain in 2001. This reflects the impact of the Public Emergency Law, which caused significant asymmetry between Edesur's revenue flow and its operating costs and expenditures, and the devaluation of the peso on its dollar-denominated debt.

In 2002, Edesur's revenue from sales fell approximately 45.2% (in constant prices) to P\$1,068 million, from P\$1,950 million in 2001, due to the freezing of rates and a 6% fall in the demand of energy. In 2002, Edesur's costs and expenditures fell 36% (in constant prices), since a large portion of these costs are denominated in pesos.

Distrilec is presented under the proportional consolidation method in our financial statements included in this annual report. See Overview. As a result, the financial data discussed above is not directly comparable to the corresponding data appearing in our financial statements.

*Citelec/Transener:* In 2002, our equity interest in the earnings of Citelec (interest in Transener) accounted for a loss of P\$241 million, compared to a P\$19 million gain in 2001. This shift was caused primarily by the effects of the devaluation of the peso on Citelec's U.S. dollar-denominated debt. Our equity share of Citelec's earnings also reflects a P\$66 million impairment charge to write off its book value.

*Cuyo*: In 2002, our equity interest in the earnings of Cuyo accounted for a P\$10 million loss, compared to a P\$4 million gain in 2001. This shift reflects the impact of the peso devaluation on Cuyo's dollar-denominated debt.

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In 2002, Cuyo registered an operating gain of P\$16 million, compared to a P\$13 million gain in 2001, as a result of a 59.9% increase in the profit margin for sales of prolipropoline (which was consistent with the increase in the sale margins for this product in international markets), as well as a 5.3% increase in its sales volume (resulting from a 113% increase in Cuyo's exports).

*Empresa Boliviana de Refinación:* In 2002, our equity interest in the earnings of EBR accounted for a P\$5 million loss, compared to a \$12 million gain in 2001, due to the significant decline in refining margins caused by regulatory changes.

*Refinor:* In 2002, our equity interest in the earnings of Refinor accounted for a P\$9 million gain, compared to a P\$6 million gain in 2001. This increase was primarily caused by the growth of export prices, 59% for diesel oil and 86% for gasoline, which in part mitigated the increased costs of raw materials that mainly affected local profit margins. In 2002, local prices for LPG, diesel oil and gasoline increased 8.8%, 13.4% and 9.2%, respectively. Refinor's sales volumes in the local market increased 14.5% for LPG, 2.8% for diesel oil and 12.6% for gasoline.

**CRITICAL ACCOUNTING POLICIES**

This operating financial review and prospects is based upon our financial statements, which have been prepared in accordance with accounting principles generally accepted in Argentina. The preparation of financial statements in accordance with GAAP requires our management to make estimates that affect the reported amounts of our assets and liabilities. Our actual results could differ from those estimated if our estimates or assumptions prove to be incorrect.

We believe the following represents our critical accounting policies. Our accounting policies are more fully described in notes 2 and 4 to our financial statements.

*Estimated oil and gas reserves.* Estimates of oil and gas reserves have been prepared in accordance with Rule 4-10 of Regulation S-X. The choice of method or combination of methods employed in the analysis of each reservoir was determined by the stage of development, quality and reliability of basic data, and production history.

Reserve engineering is a subjective process of estimation of hydrocarbon accumulation, which cannot be accurately measured, and the reserve estimation depends on the quality of available information and the interpretation and judgment of the engineers and geologists. Therefore, the reserves estimations, as well as future production profiles, are often different from the quantities of hydrocarbons which are finally recovered. The accuracy of such estimations depends, in general, on the assumptions on which they are based.

*Successful efforts method of accounting.* Under this method, exploration costs, excluding the costs of exploratory wells, are charged to expenses as incurred. Drilling costs of exploratory wells, including stratigraphic test wells, are capitalized pending determination of whether proved reserves exist which justify commercial development. If such reserves are not found, the drilling costs are charged to exploratory expenses for the period. Drilling costs of productive wells and of dry holes drilled for development of oil and gas reserves are capitalized.

*Hedging and other derivatives.* We use various derivative financial instruments such as options, swaps and others, mainly to mitigate the impact of changes in crude oil prices and interest rates.

Changes in the accounting measurement of derivative financial instruments designated as cash flow hedge, which have been determined as effective hedge, are recognized under Transitory differences Measurement of derivative financial instruments determined as effective hedge, and any other change is recognized under financial income (expense) for the year. Changes in the accounting measurement of derivative financial instruments recognized under Transitory differences Measurement of derivative financial instruments determined as effective hedge are subsequently



reclassified to income (loss) for the year or years in which the hedged item affects such results.

A hedge is considered to be effective when at its inception, as well as during its life, its changes offset from eighty to one hundred and twenty five percent the opposite changes of the hedged item. In this respect, we exclude

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the specific component attributable to the time-value of an option when measuring the effectiveness of instruments that qualify for hedge accounting.

Hedge accounting ceases for the future upon occurrence of any of the following events: (a) the hedge instrument has matured or has been settled; (b) the hedge transaction is no longer effective; or (c) the projected transaction does not have a high likelihood of occurrence. Should that be the case, the income (loss) arising from the hedge instrument that would have been allocated to Transitory differences Measurement of derivative financial instruments determined as effective hedge should remain there until the committed or projected transactions occur, in the case of (a) and (b), and are charged to income in the case of (c).

*Inflation accounting.* Due to the new inflationary environment in Argentina in 2002, and the conditions created by the Public Emergency Law, the CPCECABA approved on March 6, 2002 Resolution MD No. 3/2002 applicable to financial statements for fiscal years or interim periods ending on or after March 31, 2002. Resolution MD No. 3/2002 required the reinstatement of the adjustment-for-inflation method of accounting in financial statements, which provides that all recorded amounts be restated by changes in the general purchasing power through August 31, 1995, as well as those arising between that date and December 31, 2001 stated in currency as of December 31, 2001.

On July 16, 2002, the Argentine government issued Decree No. 1,269/02, instructing the CNV and other regulatory authorities to issue the necessary regulations for the delivery to such authorities of balance sheets or financial statements prepared in constant currency. On July 25, 2002, under Resolution No. 415/02, the CNV reinstated the requirement to submit financial statements in constant currency. As the inflation rate stabilized in 2003, on March 25 of this year, Decree No. 664/03 rescinded the requirement that financial statements be prepared in constant currency. On April 8, 2003, the CNV issued Resolution No. 441/03 discontinuing inflation accounting as of March 1, 2003. On October 1, 2003, the CPCECABA also discontinued inflation accounting.

In accordance with the above, our financial statements for the fiscal years ended December 31, 2002 and 2001 were restated in constant pesos as of February 28, 2003 based on changes in the Argentine wholesale price index published by the INDEC. This price index does not reflect any specific variation in the price of products and services sold by us, and therefore, variations in gains (losses) for both periods include positive or negative price variations that may be higher or lower than the general price variation or price variations for the products or services sold by us. After March 1, 2003, in accordance with the accounting standards described above, we no longer apply adjusting-for-inflation accounting.

*Impairment of long-lived assets.* We record impairment losses on long-lived assets used in operations when events and circumstances indicate that the assets might be impaired and the undiscounted cash flows estimated to be generated by those assets are less than the carrying amount of those items. Our cash flow estimates are based on historical results adjusted to reflect our best estimate of future market and operating conditions. Our estimates of fair values used to determine the resulting impairment loss, if any, represent our best estimate based on forecasted cash flows, industry trends and reference to market rates and transactions.

*Contingencies.* Certain conditions may exist as of the date of the financial statements, which may result in a loss to us, but which will only be resolved when one or more future events occur or fail to occur. We assessed contingent liabilities based on the opinion of our legal counsel and the available evidence. If the assessment of a contingency indicates that it is probable that a loss has been incurred and the amount can be estimated, liability is accrued. If the assessment indicates that a potential loss contingency is not probable but is reasonably possible, or is probable but cannot be estimated, then the nature of the contingent liability, together with an estimate of the possibility of occurrence, is disclosed in a note to the financial statements. Loss contingencies considered remote are not disclosed unless they involve guarantees, in which case the nature of the guarantee is disclosed.

*Income tax.* We estimate income tax on an individual basis under the deferred tax method. The deferred tax balance as of the end of each period has been determined on the basis of the temporary differences generated in certain items that have a different accounting and tax treatment.

To book such differences, we use the liability method, which establishes the determination of net deferred tax assets and liabilities on the basis of temporary differences determined between the accounting measurement of

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assets and liabilities and the related tax measurement. Temporary differences determine the balance of tax assets and liabilities where its future reversal decreases or increases the taxes determined. In the event there are unused tax loss carry-forwards that may be offset against future taxable income, we will recognize a deferred tax asset, only to the extent that recovery of such asset is probable.

Deferred tax assets and liabilities have been valued at their nominal value, as established by CNV's General Resolution No. 434. The professional accounting standards effective in the city of Buenos Aires require that such nominal value be discounted at a current rate estimated as of each year-end.

*Foreign currency translation.* We apply the following method for the translation of financial statements of foreign subsidiaries, affiliates, divisions and joint ventures.

Foreign currency denominated transactions are first remeasured into U.S. dollars (functional currency for such transactions) before they are translated into Argentine pesos. Gain (loss) from remeasurement is charged to income in the Financial income (expense) and holding gains (losses) account. The translation effect arising from the translation of the financial statements into Argentine pesos is recorded in the Transitory differences foreign currency translation account.

The above also applies to exchange differences arising from liabilities in foreign currency assumed to hedge the net investment in the foreign entity.

The magnitude of the remeasurement gain (loss) and the translation effect is dependent upon movements in the exchange rates of the respective foreign currencies to the U.S. dollar (to remeasure) and upon movements in the exchange rates from U.S. dollars to Argentine pesos (to translate), respectively.

## **Change in Accounting Standards**

The FACPCE Technical Resolutions Nos. 16, 17, 18, 19, and 20, approved as amended by the CPCECABA and adopted by the CNV through its General Resolution No. 434, became effective on January 1, 2003. These new technical resolutions are a consequence of the process whereby Argentine professional accounting standards are being made consistent with the international accounting standards issued by the International Accounting Standards Committee, or IASC; in addition, they provide clarification for certain issues which had not been provided for in past regulations.

The primary changes included in the technical resolutions that have resulted in significant effects on our financial statements, are: (i) the introduction of guidelines regarding the recognition, measurement, and disclosure of derivatives and hedging transactions; (ii) the amendment of the method used to translate the financial statements of foreign subsidiaries stated in foreign currency; (iii) the mandatory requirement to apply the deferred tax method to recognize income tax; (iv) measurement of asset and liability amounts on discounted bases; (v) changes in the frequency and method of comparison of assets with the recoverable values thereof; (vi) the incorporation of guidelines to assess whether certain transactions including financial instruments, irrevocable capital contributions and preferred stock, among others, should be classified as liabilities or shareholders' equity; (vii) the incorporation of new disclosure requirements including proportional consolidation of companies under joint control, change in the disclosure of direct sales revenues, information by segment, earnings (losses) per share, and the comparative information to be disclosed.

In addition, we amended the method used to recognize future estimated abandonment costs in oil and gas areas. Consistent with U.S. Statement of Financial Accounting Standards (SFAS) No. 143 guidelines, such costs, discounted at a rate estimated upon initial measurement, are capitalized together with the assets from which they originate and are depreciated using the production units method. In addition, a liability is recognized on such account at the estimated

value of the amounts payable discounted at a rate estimated in its initial measurement.

As established in the new accounting standards, there are certain transition regulations enabling us to prospectively apply the valuation and disclosure method incorporated thereto. The transition standards applied by us, affecting the comparability of the financial statements, are:

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- (i) the new methods for translating the financial statements of foreign subsidiaries stated in foreign currency were not applied retroactively; and
- (ii) the beginning balances resulting from the recognition, measurement, and booking of financial instruments qualified as effective hedge were not corrected.

**LIQUIDITY AND CAPITAL RESOURCES**

The discussion below regarding our liquidity and capital resources relates to Petrobras Energía and its consolidated controlled subsidiaries. Beginning in 2003, in accordance with Argentine GAAP, we are required to consolidate proportionally the results and financial conditions of companies that we control jointly with other persons. The discussion below generally excludes these jointly controlled companies, and as a result may not be directly comparable to amounts reflected in the financial statements included in this annual report. CIESA and Distrilec, the two companies that are consolidated proportionally in our financial statements, are principally engaged, through TGS and Edesur, respectively, in regulated energy businesses in Argentina and have been significantly affected by the Argentine crisis and the enactment of the Public Emergency Law. Of these companies, CIESA and TGS are currently in default on their financial indebtedness. There are significant uncertainties regarding the ability of CIESA and TGS to continue operating as going concern. We are under no obligation to financially support CIESA, TGS and Distrilec and do not currently intend to do so. We did not receive any dividends from the companies in 2003 or 2002. Our management analyzes our results and financial condition separately from the results and financial conditions of these companies, and we believe presenting our financial information without proportional consolidation with respect to these companies is useful to investors in evaluating our financial condition and results of operations. See " Overview.

The ability of Argentine companies to access bank loans and capital markets over the last few years has been affected by the economic recession and political instability in Argentina. The size and complexity of the Argentine crisis by the end of 2001 significantly affected the liquidity, creditworthiness and profitability of most Argentine companies and severely limited their ability to access foreign and Argentine financial markets in the near and medium term. In light of Argentina's default on its sovereign debt, it is expected that these difficulties will persist for at least the next few years.

Our goal is to consistently maintain high levels of liquidity as a way to reduce financial risks and provide flexibility to overcome the difficult conditions and high volatility of Argentine financial markets and of emerging capital markets as a whole.

In 2002, as a consequence of the Argentine government's default on most of its financial obligations, the restrictions imposed by the government on bank withdrawals and transfers abroad, the deepening recession and an unprecedented political instability, our liquidity was materially affected. The crisis limited our ability to renew short-term lines of credit and the current portion of medium- and long-term financings at maturity. The difficulties in accessing medium- and long-term borrowings resulted in a significant shortening of medium-term maturities of our debt. For further details see Financing Activities and Description of Indebtedness.

In addition, the change in the economic financial equation of the utility companies (see Economic and Political Developments in Argentina Valuation of Our Interests in Utility Companies ) also affected our liquidity. In 2001, we received cash dividends from our related companies in the amount of P\$65 million, P\$52 million of which we received directly or indirectly from TGS, Edesur and Citelec. During 2002 and 2003, we received no dividends from any related utility company.

In order to secure compliance with financial commitments and at the same time support our growth strategy, since 2002 we have implemented a financial management plan that prioritizes the strict monitoring of liquidity levels. Along these lines, an action plan was implemented in 2002 which mainly focused on the refinancing of a substantial

portion of our financial debt (see " Financing Activities and Description of Indebtedness ") and the significant reduction in our investment plan (see Factors Affecting Our Consolidated Results of Operations Decline in Historical Capital Expenditures ). The refinancing plan executed during 2002 extended the debt maturity profile of our debt from 2 to 3.9 years. We believe that the success of our refinancing

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plan evidences the confidence in our business prospects that is held by investors and local and international financial institutions.

In the medium-term, we will seek to gradually reduce our level of indebtedness, in order to optimize our debt to capital ratio. We expect to accomplish this, in part, by generally limiting the level of our investments to cash generated internally and funds obtained from project financings, giving priority to projects with better potential of generating profits on an accelerated basis.

Thus far, we have had success in the implementation of this policy, as evidenced by the following developments:

during 2003, we registered an 89% growth in our operating cash flow (excluding companies under joint control);

Petrobras Energía and its subsidiaries under sole control have paid all of the financial obligations that have come due, while registering an 8% decline in their average annual indebtedness in 2003 as compared to 2002; and

during 2003, we increased our capital expenditures as compared to 2002.

Additionally, with the issuance in October 2003 of U.S.\$100 million aggregate principal amount of our Series R notes, we became the first company to place an issuance, which was not in connection with a debt restructuring, in the international markets following the Argentine government's default. The proceeds from this issuance were used to repay short-term liabilities, resulting in an extension of the average life of our outstanding debt and an improvement of our debt profile.

**Cash**

The table below reflects our cash and cash equivalents at December 31, 2003, 2002 and 2001 and the net cash provided by (used in) operations, investing activities and financing activities during 2003, 2002 and 2001 under the proportional consolidation method as is required by Argentine GAAP beginning in 2003, as compared to such data excluding the proportional consolidation of the companies under joint control. See Overview.

	With Proportional Consolidation			Without Proportional Consolidation		
	2003	2002	2001	2003	2002	2001
Cash and cash equivalents at beginning of period <sup>(1)</sup>	725	1,333	565	693	1,256	565
Additions (deductions) of cash and cash equivalents from proportional interest in CIESA at beginning of period	103	(64)	71			
Net cash provided by operations	1,353	710	1,725	1,003	532	1,459
Net cash used in investing activities	(915)	(182)	(1,924)	(857)	(114)	(1,592)
Net cash provided by (used in) financing activities	(251)	(1,827)	896	(206)	(1,754)	824
Devaluation and inflation effects on cash	(88)	755		(88)	773	



Cash and cash equivalents at end of period	927	725	1,333	545	693	1,256
	<u>          </u>	<u>          </u>	<u>          </u>	<u>          </u>	<u>          </u>	<u>          </u>

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(1) For 2003 and 2001, this amount does not include cash and cash equivalents from our proportional interest in CIESA.

As of December 31, 2003, cash and cash equivalents, excluding the proportional consolidation of companies under joint control, totaled P\$545 million, compared to P\$693 million as of December 31, 2002 and P\$1,256 million as of December 31, 2001. The inability to access capital markets during 2002 resulted in a significant drop in our liquidity level. As explained above, we have since then instituted a financial plan that strictly monitors liquidity levels. The reduction in our liquidity level in 2003 is in line with the increase in our net investment levels during 2003 as compared to 2002.

Our goal is to maintain excess cash primarily in U.S. dollars.

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### ***Operating Activities***

Net cash from operations, excluding the proportional consolidation of companies under joint control, was P\$1,003 million, P\$532 million and P\$1,459 million for 2003, 2002 and 2001, respectively.

In 2003, net cash from operations increased P\$471 million, mainly due to the increase in the WTI, which contributed to the increase in margins for the refining and the oil and gas exploration and production segments, a decrease in interest expense and a reduction in losses attributable to derivatives instruments used to hedge the price of crude oil.

In 2002, net cash from operations decreased P\$927 million mainly due to: (i) an increase in net financial expenses on account of the Argentine peso devaluation, (ii) the inclusion in 2001 of a P\$244 million inflow from the assignment to international financial institutions of a portion of the fees we will receive from PDVSA for the exploitation of the Oritupano Leona area, (iii) increased cash operating requirements, especially on account of the regularization of payments to suppliers in Venezuela, and (iv) a significant drop in dividends received from related companies, in line with the crisis affecting utility companies. These factors were partially offset by the dollar-denominated flow from foreign operations and by increased marketing margins in pesos from Argentine operations, resulting from higher local sales prices and increasing exports.

In 2003 and 2002, we made advanced payments of P\$442 million and P\$311 million, respectively, to meet the collateral requirements of our hedging operations, due to increased WTI future prices (see Item 11. Quantitative and Qualitative Disclosures About Market Risk ). In these years, we also made payments of P\$51 million and P\$149 million, respectively, as collateral in connection with letters of credit that guarantee our investment commitments in Ecuador.

### ***Investing Activities***

Cash used in investing activities, excluding the proportional consolidation of companies under joint control, was P\$857 million in 2003, P\$114 million in 2002 and P\$1,592 million in 2001.

Capital expenditures totaled P\$778 million in 2003, P\$732 million in 2002 and P\$1,756 million in 2001.

Capital expenditures made in the Oil and Gas Exploration and Production business segments totaled P\$696 million in 2003, P\$596 million in 2002 and P\$1,580 million in 2001. Investments during these last three years have generally focused on enhancing production and reservoirs through development drilling, secondary recovery and workover activities, as well as infrastructure projects. Capital expenditures in 2002 and 2003 were primarily focused on maintaining production and maximizing cash flow, giving priority to countries and products having greater potential to contribute to our business. In particular, during 2003, we undertook important infrastructure projects, particularly outside of Argentina, aimed at increasing the yield and operating capacity of our fields, allowing us to increase production volumes with higher efficiency. During 2003, 206 wells were drilled (compared to 142 wells in 2002), 185 of which are located in Argentina, and 288 units were repaired (compared to 231 in 2002), 159 of which were located in Argentina.

Capital expenditures in the Refining and Petrochemicals business segments totaled P\$57 million in 2003, P\$86 million in 2002 and P\$59 million in 2001. Our capital expenditures in these segments during 2003 were mainly directed at maintaining efficient operating conditions at the plants. In 2002, we acquired a 19% additional interest in EBR, for P\$60 million. In addition, during 2002 we invested P\$26 million, primarily in the development of the commercial network.

In the Hydrocarbon Marketing and Transportation business segment, during 2003 we made capital contributions to OCP in the amount of P\$11 million, while in 2002, we were required to disburse P\$39 million to maintain letters of credit that secure our investment commitments in connection with OCP.

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Capital expenditures made outside of Argentina accounted for approximately 62% of the capital expenditures budget for the 2003-2001 period, totaling P\$2,033 million. These figures reflect our long-term strategy to grow as an integrated energy company in Latin America.

Significant sources of cash were generated by the sale of non-strategic equity and fixed assets during 2002 and 2001. These sales generated P\$593 million in 2002 and P\$226 million in 2001. In 2002, we sold our interest in Cerro Vanguardia and our forestry and agricultural business assets. In 2001, we sold our interest in the Pampa del Castillo La Guitarra area and in Terminales Marítimas Patagónicas. See Item 4. Information About Us Business Overview Discontinued Investments for more information on our recent divestitures. During 2003, we received approximately P\$20 million from the sale of oil blocks.

In 2003, our net investments increased P\$619 million, or 445%, reflecting Argentina's economic recovery during this year and the improvements to our operating cash flows and liquidity levels. Our capital expenditure program has been concentrated in the Oil and Gas Exploration and Production business segment.

### ***Financing Activities***

Net cash provided by (used in) financing activities, excluding the proportional consolidation of companies under joint control, totaled P\$(206) million in 2003, P\$(1,754) million in 2002 and P\$824 million in 2001.

In 2003, we paid off long-term liabilities in the amount of P\$629 million. These included Series E, J and L notes, which were repaid at maturity, for an aggregate amount of P\$421 million (U.S.\$166 million). In addition, during 2003, we repaid bank loans and long-term lines of credit in an aggregate amount of P\$208 million.

In 2002, long-term liabilities in the amount of P\$1,724 million were paid or cancelled, including:

Fifth Series of notes in an aggregate amount of P\$841 million (U.S.\$177 million), issued under the U.S.\$1.2 billion global note program, which were paid in March 2002;

financial debt with an aggregate principal amount of approximately P\$553 million (U.S.\$144 million), which was cancelled pursuant to the terms and conditions of the exchange offers launched to refinance our overall debt; and

outstanding notes in aggregate principal amount of P\$86 million (U.S.\$22 million) issued under PASA S.A.'s global note program (later absorbed by us), which were repaid at maturity.

In 2001, we paid P\$1,047 million in principal amount of financial debt, P\$659 million of which was applied to pay off a U.S.\$300 million syndicated loan due December 2001 and P\$357 million to pay off, principally, lines of credit for foreign trade operations.

During 2002 we designed and completed an overall refinancing of a substantial portion of our financial debt. The main purpose of refinancing was to align principal payments in line with expectations regarding cash flow to be provided by operations, and to establish a manageable debt maturity schedule. In August 2002 we issued corporate notes with a face value of U.S.\$845 million in connection with an exchange offer. Simultaneously, and in line with the conditions of the offer, we repaid U.S.\$70 million of notes. In October 2002, we refinanced financial liabilities in an aggregate amount of approximately U.S.\$849 million, through the issue of new corporate notes in an amount of approximately U.S.\$600 million and other medium-term credit instruments in the amount of approximately U.S.\$249 million. We simultaneously paid off debt in the amount of U.S.\$74 million. The credit instruments issued under this refinancing plan replaced short-term letters of credit, previously used as performance bonds. These new credit instruments comply with our financial obligations related to (i) our hedge agreements of crude oil prices at

U.S.\$50 million, and (ii) our capital contribution commitments to OCP (including our commercial obligations under the ship or pay agreement with OCP and OCP's financial obligations of U.S.\$199 million). Long-term letters of credit issued under these credit facilities are due on an annual basis, but may be automatically extended for successive annual terms until (i) December 2005 for the letters of credit related to the crude oil derivative agreements, or (ii) October 2007 for obligations related to OCP. If these letters of credit are not renewed

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on their respective maturity dates, they must be disbursed, and thereafter, they will constitute new loans for us. These refinancings significantly improved our debt maturity profile, extending debt life from 2 to 3.9 years.

Cash provided by long-term financing totaled P\$591 million in 2003, P\$124 million in 2002 and P\$1,011 million in 2001, as described below:

Our long-term financing in 2003 included the following:

In October 2003, we issued Class R medium-term notes for an aggregate principal amount of P\$286 million (U.S.\$100 million).

In December 2003, our subsidiary Petrobras Energía Venezuela S.A., or PEV S.A., received P\$206 million corresponding to the first disbursement of U.S.\$76 million under a U.S.\$105 million loan agreement between PEV S.A. and International Finance Corporation. The financing facility consists of loans with terms of up to nine years to be used in the investment plan for developing our oil reserves in Venezuela. As of the date of this annual report, we have received the whole outstanding amount.

In August 2003, our wholly-owned subsidiary Petrobras Energía del Perú S.A. received a first disbursement of P\$87 million (U.S.\$30 million) under a U.S.\$40 million loan entered into with Banco de Crédito del Perú and Interbank to finance its investment plan for developing our oil reserves in Peru. As of the date of this annual report, we have received the whole outstanding amount.

In 2002, we issued Class E notes in the amount of P\$124 million (U.S.\$35 million), which were repaid at maturity in March 2003.

In 2001, we issued Class C notes in the amount of P\$483 million (U.S.\$220 million), due 2005. The Class C notes accrued interest at LIBOR plus 2.5% in the first year, 2.75% in the second year and will accrue interest at LIBOR plus 3% for the third and fourth years. Under this particular financing arrangement, in the event that currency transferability restrictions are imposed by the government of Argentina and we are unable to make debt service payments in cash offshore, we will make debt service payments in crude oil. If payment is made in kind, the volume delivered to the holders of the Class C notes will be priced at the WTI spot price at the time, with the guaranteed minimum price for such oil set at U.S.\$15 per barrel. In connection with the contingent requirement to deliver crude oil, we entered into an Oil Marketing and Delivery Agreement dated July 17, 2001 between Petrobras Energía as Issuer and Deutsche Bank AG, London Branch, as Oil Purchaser; and a Crude Oil Purchase and Delivery Contract dated July 17, 2001 among Petrobras Energía, as Issuer, Deutsche Bank AG, London Branch, as Oil Purchaser and Bankers Trust Company as Oil Agent and Administrative Agent. These agreements provide that, in the event of a payment being made in oil, the crude oil would be purchased by the Oil Purchaser from the Oil Agent on the terms and conditions and at a market-related price set out in those agreements.

In addition, in 2001, cash provided by foreign lines of credit amounted to P\$287 million; cash provided by foreign trade financing totaled P\$163 million, and cash from the last tranche of the loan granted by the IFC to Innova amounted to P\$78 million.

Net cash used to pay short-term financing totaled P\$168 million in 2003 and P\$94 million in 2002. The combination of the Argentine and Venezuelan crises limited our ability to renew short-term lines of credit at maturity. Conversely, during 2001, cash provided by short-term financing amounted to P\$1,025 million, mainly attributable to short-term notes issued in November 2001 in the amount of P\$344 million (U.S.\$156.5 million) and short-term bank loans, including loans related to trade financing.

***Description of Indebtedness***

All of our financial debt and a significant portion of the debt of our principal affiliates is denominated in U.S. dollars.

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As of December 31, 2003, our total indebtedness, excluding the proportional consolidation of companies under joint control, was P\$6,063 million, P\$5,009 million of which was long-term indebtedness. As of such date, our short-term indebtedness totaled P\$1,054 million, P\$919 million of which represents the current portion of long-term obligations and P\$135 million of which is short-term indebtedness with financial institutions under loan agreements or promissory notes. In addition, our consolidated financial statements include debt of P\$2,239, principally debt that is in default, owed by our affiliates under joint control. See Factors Affecting Our Consolidated Results of Operations Impact on our Investments in Utility Companies.

The following is our debt maturity profile, excluding the proportional consolidation of companies under joint control, expressed both in millions of pesos and millions of U.S. dollars as of December 31, 2003:

<b>Maturity</b>	<b>1 year</b>	<b>2 years</b>	<b>3 years</b>	<b>4 years</b>	<b>5 years</b>	<b>6 or more years</b>
<b>Millions of Pesos</b>	P\$1,054	P\$971	P\$480	P\$1,284	P\$48	P\$2,226
<b>Millions of U.S. dollars</b>	U.S.\$358	U.S.\$330	U.S.\$163	U.S.\$437	U.S.\$16	U.S.\$757

Our long-term debt primarily consists of corporate notes. Our remaining long-term debt is mainly related to bank loans obtained by foreign subsidiaries and import credit lines used to finance the construction of the Genelba Power Plant and Innova plant.

Petrobras Energía maintains a five-year corporate global note program, or the Global Program, for a principal amount at any time outstanding of U.S.\$2.5 billion or its equivalent in any currency, which was due to expire in May 2003, but was extended for five additional years. As of May 31, 2004, notes in an aggregate principal amount of U.S.\$1,724 million were outstanding under this program. Notes under the program are not subject to acceleration in the event our credit ratings are downgraded.

As of May 31, 2004, notes outstanding under the Global Program were:

Class B, in an aggregate principal amount of U.S.\$5 million notes, payable in a single installment in May 2006, at a 9% fixed annual rate;

Class C, for U.S.\$220 million, with the final maturity in July 2005, to be amortized in quarterly installments beginning in 2004. Class C notes accrue interest at LIBOR plus 2.50% for the first year, 2.75% for the second year, and 3% for the third and fourth years. As of May 31, 2004, the total amount outstanding was U.S.\$157 million; Petrobras Energía has called a bondholder's meeting to be held on July 30, 2004 in order to ratify Petrobras Energía's interpretation of the prepayment provisions of these notes, so that partial prepayment may be applied to one or more installments of principal as determined by Petrobras Energía;

Class F, in an aggregate principal amount of U.S.\$64.4 million maturing in August 2005, at a 7.875% annual rate;

Class G, in an aggregate principal amount of U.S.\$250 million maturing in January 2007, at a 9% annual rate;

Class H, in an aggregate principal amount of U.S.\$181.5 million maturing in May 2009, at a 9% annual rate;

Class I, in an aggregate principal amount of U.S.\$349.2 million maturing in July 2010, at an 8.125% annual rate;



Class K, in an aggregate principal amount of U.S.\$286.3 million, amortized in quarterly installments from January 2004 and with final maturity date in October 2007, accruing interest at three month LIBOR plus 4% per annum. As of May 31, 2004, the total amount outstanding was U.S.\$260 million;

Class M, in an aggregate principal amount of U.S.\$181.8 million, amortized in quarterly installments from January 2004 and with final maturity date in October 2007, accruing interest at three month LIBOR plus 4.75% per annum. As of May 31, 2004, the total amount outstanding was U.S.\$165 million;

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Class N, in an aggregate principal amount of U.S.\$97 million, with principal amortized in two installments, the first equivalent to 9.9099% of face value settled on the day of issuance and the remainder due in June 2011, accruing interest at six-month LIBOR plus 1% (issued in January 2003). As of May 31, 2004, the total amount outstanding was U.S.\$ 87 million;

Class Q, in an aggregate principal amount of U.S.\$4.0 million, with principal amortized in two installments, the first equivalent to 10% of face value on the date of issuance, April 25, 2003; and the balance in April 2008. These bonds accrue interest at 5.625%. As of May 31, 2004, the total amount outstanding was U.S.\$3.6 million; and

Class R, in an aggregate principal amount of U.S.\$200 million, with final maturity in October 2013, accruing interest at a 9.375% annual rate (issued in U.S.\$100 million tranches in October 2003 and in April 2004).

In addition, Petrobras Energía has a U.S.\$1.2 billion global medium-term note program. In June 1998, the right to issue new notes under this program expired. On December 31, 2003, two series of notes remained outstanding under this program. One of the series was paid in January 2004, and the other, with an aggregate principal amount of U.S.\$32.6 million, matures in July 2007, accruing interest at 8.125%.

## ***Covenants***

Class F, G, H, I, N, Q and R notes include cross default covenants, whereby the trustee, as instructed by the noteholders representing at least 25% of the related outstanding capital, shall declare all the amounts owed due and payable, if any debt of ours or our significant subsidiaries is not paid at maturity, provided that those due and unpaid amounts exceed the higher of U.S.\$25 million or 1% of our shareholders' equity at that time, and that the default has not been cured within 30 days after we have been served notice of the default.

Class K and M notes include cross default covenants, whereby the trustee, as instructed by the noteholders representing at least the majority of the respective outstanding capital, shall declare all of the amounts owed due and payable, if any debt of ours or our significant subsidiaries is not paid at the maturity date, provided that those due and unpaid amounts exceed the higher of U.S.\$15 million or 1% of our shareholders' equity at the time.

Class C notes, as well as certain loan agreements, include cross default covenants, whereby the trustee or the creditor bank, as appropriate, shall declare all the amounts owed as due and payable, if any of our debt is not paid at maturity, provided that those due and unpaid amounts exceed U.S.\$10 million or 1% of our shareholders' equity at the time.

For so long as the Class K and M notes and medium-term credit instruments remain outstanding, we will be subject to certain restrictions and must comply with certain covenants as described below:

- (i) Restrictions on capital expenditures: We shall not make any capital expenditure, including the amount of debt incurred in relation thereto, in excess of U.S.\$450 million in 2004, U.S.\$425 million in 2005 and U.S.\$475 million in 2006 and 2007, which limits shall be increased under certain circumstances.
- (ii) Restrictions on the incurrence of additional debt: We shall not incur any financial debt as long as, after giving effect to the issuance and application of the proceeds thereof, the ratio of: (A) consolidated financial debt, to (B) consolidated EBITDA (defined as gross profit less administrative, selling and exploration expenses, plus depreciation and amortization, dividends and advisory services collected) exceeds 3.5. This restriction is not applicable to subordinated debt, project financings and refinancings.
- (iii) Compliance with certain ratio tests: We must comply with certain financial ratio tests including (A) consolidated financial debt (excluding subordinated debt) to consolidated EBITDA, which



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shall not be greater than 3.5 to 1.0 in 2004 and 3.0 to 1.0 from 2005 through 2007, and (B) EBITDA to interest expense, which shall not be lower than 3.0 to 1.0 from 2004 through 2007.

- (iv) Restrictions on the amount of short-term debt: At any time, our short-term financial debt shall not exceed an amount equal to U.S.\$650 million.
- (v) Mandatory prepayments: Within 120 days from the end of each fiscal year, we must use up to 50% of our excess cash to redeem on a pro rata basis the Series K and M notes and the medium-term credit instruments. In addition, proceeds from sales of assets (other than those that constitute the business purpose) not reinvested within approximately one year, and 50% of the proceeds from new debt, must be used to make mandatory prepayments.
- (vi) Limitation on liens.
- (vii) Restrictions on the payment of dividends.

These restrictions and covenants may have a negative effect on our ability to implement our investment plan or obtain additional financing and may negatively affect our results of operations.

***Future Capital Requirements***

Our 2004 budget provides for a continued recovery in the level of our investments, as we expect to continue moving beyond the economic crisis that gripped Argentina in 2002. We expect the level of our investment to gradually increase to our historical levels. Increased investments are crucial to our future growth objectives.

Our 2004 budget contemplates investments totaling approximately U.S.\$350 million, which will be directed primarily towards the Oil and Gas Production and Exploration segment, with a strong emphasis on our operations in Argentina and Venezuela. We currently expect to conduct significant well-drilling campaigns in 2004, particularly at mature fields in Argentina, with the goal of maintaining production levels. In addition, we currently expect to make investments in infrastructure projects, with the goal of increasing the yield of our reserves, improving oil treatment quality and increasing secondary recovery.

Our investments in the Refining and Petrochemicals segments will focus on optimizing efficiency levels. Moreover, we expect to continue expanding the retail commercial network, while taking advantage of the synergies provided by the Petrobras brand. With respect to our fertilizers business, we currently expect to launch construction works of a new thiosulphate plant.

We currently expect that our investment requirements, financial debt payment obligations and working capital will be financed by cash from operations, and, to a lesser extent, new debt financings.

We can offer no assurance that we will be able to make the level of investments discussed above, since our level of investments will depend on a variety of factors, many of which are beyond our control. These include the future price evolution of the commodities we sell, the outcome of the renegotiation of utility rates, the renegotiation of concession contracts of the privatized companies, the behavior of energy demand in Argentina and in regional markets, the existence and competitive impact of alternative projects, government regulation, the economic situation prevailing in Argentina and the Mercosur region, the availability of financing and the evolution of the peso exchange rate.

**OFF-BALANCE SHEET TRANSACTIONS**

Other than the transactions described below, we do not have any off-balance sheet arrangements required to be disclosed by Item 5 of Form 20-F.

**Table of Contents*****OCP Investment s Letters of Credit***

To secure our commercial obligations under the ship or pay contract with OCP and OCP's financial obligations, we have obtained letters of credit for a total amount of approximately U.S.\$224 million. Of this amount, U.S.\$199 million must be secured by cash collateral. As of December 31, 2003 we had deposited U.S.\$55 million of this cash collateral. We must deposit the balance of this cash collateral on a yearly basis according to the following schedule:

<u>(in millions of U.S.\$)</u>	<u>2004</u>	<u>2005</u>	<u>2006</u>	<u>2007</u>	<u>Total</u>
	32	38	37	37	144

These letters of credit must remain in place until our OCP investment obligations and commitments expire or are terminated. We are required to renew or replace these letters of credit as they mature. Otherwise, we will be required to repay the amounts due in cash at maturity, which will have a material adverse effect on our cash flows.

***Derivative Financial Instruments***

We have commitments under derivative financial instruments. For a discussion of these additional commitments see Item 11. Quantitative and Qualitative Disclosure About Market Risk. As of December 31, 2003 the fair value of our outstanding oil derivative financial instruments represented accounts payable to counterparties in the amount of U.S.\$185 million. In connection therewith, as of that date we had standby letters of credit in place in favor of these counterparties with total commitments of U.S.\$31 million and cash collaterals amounting to U.S.\$136 million.

***Oritupano Leona Revenues Assignment***

In December 2001, we assigned to an international lending institution U.S.\$120 million in future capital fees to be collected from PDVSA under our operating agreement for the Oritupano Leona area. Capital fees assigned are payable by PDVSA in twelve quarterly, equal and consecutive installments starting February 2002. This transaction, net of the discount calculated at LIBOR plus 2.75%, provided us cash in the amount of U.S.\$110 million. In order to guarantee to the lending institution that PDVSA will meet its obligations under this operating agreement, we assigned an additional U.S.\$10 million of future capital fees to such institution. Should PDVSA not settle any amount payable on this account by the due date and such noncompliance stems from any commercial challenge or claim that PDVSA may have with respect to our billings for investments made, we are required to either assign to the lending institution additional capital fees in an amount equivalent to the amount being challenged, or pay amounts due in cash. This assignment does not release the members of the consortium from the obligations under the operating agreement for the area.

**Table of Contents****CONTRACTUAL OBLIGATIONS**

The following table summarizes certain contractual obligations as of December 31, 2003. The table does not include accounts payable or pension liabilities.

	<b>Payments due by period</b> (in millions of pesos)				
	<b>Total</b>	<b>Less than 1 Year</b>	<b>1 - 3 years</b>	<b>3 - 5 years</b>	<b>More than 5 years</b>
<b>Debt Obligations</b>	6,063	1,054	1,451	1,332	2,226
<b>Significant Operating Lease Obligations</b>	2	1	1		
<b>Purchase Obligations:</b>					
Ship or pay agreement with OCP <sup>(1)</sup>	3,298	220	440	440	2,198
Long term service agreement	141	25	54	62	
Gas transportation agreement with TGS <sup>(2)</sup>	300	30	60	60	150
Ethylene <sup>(3)</sup>	550	50	100	100	300
Benzene <sup>(4)</sup>	1,233	112	224	224	673
<b>Total</b>	<b>11,587</b>	<b>1,492</b>	<b>2,330</b>	<b>2,218</b>	<b>5,547</b>

(1) Estimated price P\$7.53 per bbl.<sup>(5)</sup>

(2) Estimated price P\$0.025 million per MMm3.<sup>(5)</sup>

(3) Estimated price U.S.\$555 per ton.<sup>(5)</sup> Contractual prices are in dollars. Peso amounts translated using exchange rate as of December 31, 2003.

(4) Estimated price U.S.\$451 per ton.<sup>(5)</sup> Contractual prices are in dollars. Peso amounts translated using exchange rate as of December 31, 2003.

(5) Our obligations under these agreements are determined by volume, and prices are generally determined by formula based on future market prices of the goods or services under each contract. In addition, the estimated prices used to calculate the monetary equivalent of these purchase obligations are based on current market prices as of December 31, 2003 and may not reflect actual future prices of these commodities. Accordingly, the peso amounts provided in this table with respect to these obligations are provided for illustrative purposes only.

The following table sets forth volume information with regard to our commitments under commercial contracts for which a fixed price has been agreed, for the years indicated below, as of December 31, 2003.

<b>Total</b>	<b>Obligations by period</b>			
	<b>Less than 1 Year</b>	<b>1 - 3 years</b>	<b>3 - 5 years</b>	<b>More than 5 years</b>

**Purchase Obligations**

Ship or pay agreement with OCP (in millions of bbls)	438	29	58	58	293
Gas transportation agreement with TGS (in MMm3)	11,873	1,199	2,398	2,398	5,878
Ethylene (in thousands of tons)	337	31	61	61	184
Benzene (in thousands of tons)	930	85	169	169	507
<b>Sales Obligations</b>					
Natural gas (in MMm3)	18,854	2,609	3,451	2,730	10,064
Styrene (in thousands of tons)	56	39	16	1	
Electric power (in MWh)	329,115	329,115			

*Long Term Service Agreement.* We have entered into a long term service agreement for the maintenance and repair of the Genelba Power Plant.

*OCP Oil Transportation Agreement.* Regarding the future exploitation of Blocks 18 and 31, we have executed an agreement with OCP whereby it has obtained an oil transportation capacity of 80,000 bbls/d for a term of 15 years as from commencement of OCP operations. We, as well as the remaining producers, shall pay a ship or pay fee that will cover, among other items, OCP's operating costs and financial services.

*Innova Supply Agreements.* Benzene and ethylene feedstock, necessary for Innova operations, are supplied by Copesul, a Brazilian company, pursuant to a long-term contract that expires in 2014.



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*Gas Transportation Agreements.* We have entered into various gas firm transportation agreements with TGS to provide gas transportation services to our Genelba Power Plant.

*Exploration Commitments.* Regarding the exploration and development of our oil and gas fields, we have minimum investment commitments amounting to U.S.\$7 million through 2005.

**U.S. GAAP RECONCILIATION**

We had net income under U.S. GAAP of P\$100 million in 2003, as compared to net losses of P\$1,554 million in 2002 and P\$2,266 million in 2001. Under Argentine GAAP, we reported net income of P\$381 million in 2003 and P\$101 million in 2001, as compared to a net loss of P\$1,579 million in 2002.

There are several differences between Argentine GAAP and U.S. GAAP that significantly affect our net income and stockholders' equity. The most significant differences in their effect on 2003 net income related to foreign currency translation adjustments, the depreciation of property, plant and equipment, the accounting for derivative instruments and deferred income taxes. See note 23 to our financial statements. Neither the effects of inflation accounting nor the proportional consolidation of Distrilec, a company under joint control, under Argentine GAAP have been reversed in the reconciliation to U.S. GAAP. The proportional consolidation of CIESA, another company under joint control, in 2001 and 2003 under Argentine GAAP has been reversed in the reconciliation to U.S. GAAP.

**RECONCILIATION TABLES**

The following tables reconcile our results for the years ended December 31, 2001, 2002 and 2003 with proportional consolidation as required by new changes to Argentine GAAP to our results as adjusted to reflect the elimination of proportional consolidation:

	<b>For the Year Ended December 31, 2003</b>			
	<b>With Proportional Consolidation</b>	<b>CIESA<sup>(1)</sup></b>	<b>Distrilec<sup>(2)</sup></b>	<b>Without Proportional Consolidation</b>
Net sales	5,494	(432)	(447)	4,615
Costs of sales	(3,386)	200	373	(2,813)
Gross profit	2,108	(232)	(74)	1,802
Administrative and selling expenses	(559)	30	65	(464)
Exploration expenses	(196)			(196)
Other exploitation income (loss) net	(121)	12	5	(104)
Exploitation income	1,232	(190)	(4)	1,038
Equity in earnings of affiliates	163	221	(11)	373
	(417)	(124)	(28)	(569)

Financial income (expense) and holding gains (losses)				
Other expenses, net	(421)	1	13	(407)
	<u>          </u>	<u>          </u>	<u>          </u>	<u>          </u>
Income (loss) before income tax and minority interest in subsidiaries	557	(92)	(30)	435
Income tax provision	(18)	(58)	29	(47)
Minority interest in subsidiaries	(158)	150	1	(7)
	<u>          </u>	<u>          </u>	<u>          </u>	<u>          </u>
Net income (loss)	381			381
	<u>          </u>	<u>          </u>	<u>          </u>	<u>          </u>

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(1) The results of CIESA are proportionally consolidated in our Hydrocarbon segment.

(2) The results of Distrilec are proportionally consolidated in our Electricity segment.

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	<b>For the Year Ended December 31, 2002</b>			
	<b>With Proportional Consolidation</b>	<b>CIESA<sup>(1)</sup></b>	<b>Distrilec<sup>(2)</sup></b>	<b>Without Proportional Consolidation</b>
Net sales	5,106		(519)	4,587
Costs of sales	(3,284)		406	(2,878)
Gross profit	1,822		(113)	1,709
Administrative and selling expenses	(609)		77	(532)
Exploration expenses	(58)			(58)
Other exploitation income (loss) net	(28)			(28)
Exploitation income	1,127		(36)	1,091
Equity in earnings of affiliates	(638)		(9)	(647)
Financial income (expense) and holding gains (losses)	(1,827)		168	(1,659)
Other expenses, net	(187)		9	(178)
Income (loss) before income tax and minority interest in subsidiaries	(1,525)		132	(1,393)
Income tax provision	(82)		(127)	(209)
Minority interest in subsidiaries	28		(5)	23
Net income (loss)	(1,579)			(1,579)

(1) For the 2002 fiscal year we did not proportionately consolidate on a line by line basis the assets, liabilities, earnings and cash flow of CIESA, since, as of December 31, 2002 our equity interest in such company had a P\$33 million negative value.

(2) The results of Distrilec are proportionally consolidated in our Electricity segment.

	<b>For the Year Ended December 31, 2001</b>			
	<b>With Proportional Consolidation</b>	<b>CIESA<sup>(1)</sup></b>	<b>Distrilec<sup>(2)</sup></b>	<b>Without Proportional Consolidation</b>
Net sales	5,170	(610)	(946)	3,614
Costs of sales	(3,347)	234	654	(2,459)

Gross profit	1,823	(376)	(292)	1,155
Administrative and selling expenses	(665)	33	122	(510)
Exploration expenses	(41)			(41)
Other exploitation income (loss) net	23		(3)	20
Exploitation income	1,140	(343)	(173)	624
Equity in earnings of affiliates	119	36	49	204
Financial income (expense) and holding gains (losses)	(573)	124	(2)	(451)
Other expenses, net	(88)	63	11	(14)
Income (loss) before income tax and minority interest in subsidiaries	598	(120)	(115)	363
Income tax provision	(385)	66	70	(249)
Minority interest in subsidiaries	(112)	54	45	(13)
Net income (loss)	101			101

(1) The results of CIESA are proportionally consolidated in our Hydrocarbon segment.

(2) The results of Distrilec are proportionally consolidated in our Electricity segment.

**Table of Contents****Item 6. DIRECTORS, SENIOR MANAGEMENT AND EMPLOYEES****DIRECTORS AND SENIOR MANAGEMENT****Board of Directors**

In accordance with our by-laws, the Board of Directors, which formally meets at least once every three months, shall comprise a minimum of three and a maximum of nineteen members. Shareholders may appoint a number of alternate directors that may be equal to or lower than the number of regular directors in order to fill any vacancy, in the order of their appointment. Directors and alternate directors are appointed by shareholders at their annual shareholders meeting for the term of one year and may be reelected.

The following table sets out the members and alternate members of our Board of Directors elected by shareholders at the shareholders meeting held on March 19, 2004.

<b>Name</b>	<b>Year of appointment</b>	<b>Year first joined Petrobras</b>	<b>Position</b>	<b>Term Expires</b>
José Eduardo de Barros Dutra	2003		Chairman	2005
Nestor Cuñat Cerveró	2003		Vice Chairman	2005
Ildo Luis Sauer	2003		Director	2005
José Sergio Gabrielli de Azevedo	2003		Director	2005
Guilherme de Oliveira Estrella	2003		Director	2005
Renato de Souza Duque	2003		Director	2005
Rogério Almeida Manso da Costa Reis	2003		Director	2005
Luiz Augusto Marciano da Fonseca	2004		Director	2005
Rui Antonio Alves da Fonseca	2004		Director	2005
Alberto da Fonseca Guimarães	2003	2002	Director	2005
Oscar Anibal Vicente	1981	1970	Director	2005
Cedric Bridger	2004		Director	2005
Héctor Daniel Casal	2003	1991	Director	2005
Daniel Maggi	2003	1997	Director	2005
Carlos Manuel Alvarez <sup>(1)</sup>	2003	1981	Director	2005
Nicolas Perkins	2004		Director	2005
Roberto Alejandro Fortunati	2004		Director	2005
Carlos Alberto Pereira de Oliveira	2004		Director	2005
Rafael Fernandez Morandé	2004	1997	Director	2005
Luis Miguel Sas <sup>(1)</sup>	2003	1984	Alternate Director	2005
Pablo Cavallaro	2004		Alternate Director	2005

(1) Carlos M. Alvarez resigned from the position of director on May 7, 2004. On the same day, Luis Miguel Sas was appointed as a director.

In compliance with Resolution No. 368 of the CNV, Nicolas Perkins, Roberto Alejandro Fortunati and Pablo Cavallaro are independent directors, and the other directors are not independent in accordance with the CNV rules.

Resolution No. 368 provides that a member of a corporate body shall not be considered independent if that member fits one or more of the following descriptions:

The member is also a member of management or an employee of shareholders who hold significant interests in the issuer, or of other entities in which these shareholders hold either directly or indirectly significant interests or over which these shareholders exercise a significant influence.

The member is an employee of the issuer or has been an employee in the last three years.

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The member has professional relations or is part of a company or professional association that maintains professional relations with, or that receives remunerations or fees (other than directors' fees) from, the issuer or from its shareholders that hold either directly or indirectly significant interests in or exercise a significant influence over the issuer, or from which such shareholders hold either directly or indirectly significant interests or exercise a significant influence.

The member is either directly or indirectly a holder of significant interests in the issuer or in an entity that has significant interests in or exercises a significant influence over the issuer.

The member sells or provides either directly or indirectly goods or services to the issuer or to shareholders that hold either directly or indirectly significant interests in or exercise a significant influence over the issuer and receives compensation for such services that is substantially higher than that received as a director.

The member is married or is a family member, up to fourth degree by blood or up to second degree by affinity, to an individual who would not qualify as independent.

Significant interests shall mean shareholdings that represent at least 35% of the capital stock of the relevant entity, or a smaller percentage when the person has the right to elect one or more directors by class of shares or by having entered into agreements with other shareholders relating to the governance and the management of the relevant entity or of its controlling shareholders.

The following is a brief summary of the principal business and academic experience of each of our directors listed in the table above:

*José Eduardo de Barros Dutra (47)* graduated in Geology from Universidade Federal Rural do Rio de Janeiro, Brazil, in 1979. He carried out a geological mapping of Rio de Janeiro from 1983 to 1990. In 1994 he was elected Senator of the Federative Republic of Brazil from the State of Sergipe for the 1995–2003 period and President of the Sindicato dos Mineiros do Estado de Sergipe (State of Sergipe Miners Union) from 1989 to 1994. He was a member of the following Federal Senate Committees of Brazil: Constitutional and Justice, Economic Affairs, Infrastructure, Education, and Supervision and Control. Mr. Dutra also served as leader of the Workers' Party from 1996 to 1997, and as a member of the Workers' Party National Executive Committee. In January 2003 he was appointed Chairman of Petrobras. He is also Chairman of Petrobras Energía and is also a member of the boards of directors of Petrobras Distribuidora S.A. – BR.

*Nestor Cuñat Cerveró (52)* graduated in Chemical Engineering from Universidade Federal do Rio de Janeiro, and completed post-graduate studies in Process Engineering while at Petrobras and MBA courses for managers and executives at Getúlio Vargas School, in Brazil. He has served in the energy area in Petrobras Industrial Department since 1984. He currently serves as International Director of Petrobras, Vice Chairman of Petrobras Energía and Chairman of Petrolera Entre Lomas S.A. He has worked at Petrobras since 1975, where he held several positions, including: Energy Manager, *Programa de Termelétricas* (Thermoelectrical Plants Program); Thermoelectrical Plants Manager of the Participations Superintendency; assistant to the CEO for the development of new ventures and partnerships; and Head of the Energy Sector of the industrial area. He has also represented Petrobras at the Boards of Directors of several thermoelectrical energy companies and acted as assistant to the *Presidência da Comercializadora Brasileira de Energia Emergencial* (Presidency of the Brazilian Supplier of Emergencial Energy – CBEE) of the Ministry of Mines and Energy.

*Ildo Luis Sauer (49)* graduated in Civil Engineering from Universidade Federal do Rio Grande do Sul, Brazil. He holds a Master's degree in Nuclear Sciences and Engineering and Energy Planning from Universidade Federal do Rio de Janeiro and a Ph.D. in Nuclear Engineering from the Massachusetts Institute of Technology in the United States. He also holds a MSc degree from COPPE - Federal University of Rio de Janeiro in Energy Planning/Nuclear Power.

He is Professor at the Instituto de Eletrotécnica e Energia da Universidade de São Paulo (Electrotechnical and Energy Institute of the University of São Paulo), on leave, where he has published more than 100 technical papers and supervised more than 40 doctoral and master theses in the field. Previously, he worked as a consultant at TecSauer Consultoria Ltda. and as manager of the nuclear reactor project for the Brazilian Navy.



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*José Sérgio Gabrielli de Azevedo (54)* graduated in Economics from Universidade Federal da Bahia, Brazil, and holds a Masters Degree in Fiscal Incentives and Regional Development. He served as dean of the Economic Sciences School of the Federal University of Bahia and superintendent of the *Fundação de Apoio a Pesquisa e Extensão* (Foundation for Support of Research and Extension - Fapex). He was also a visiting researcher at the London School of Economics and Political Science in 2000 and 2001. He holds a Doctorate in Economics from Boston University. He currently serves as Chief Financial Officer and Vice President of Investor Relations at Petrobras and as a Director of Petrobras Energía.

*Guilherme de Oliveira Estrella (62)* graduated in Geology from Universidade Federal do Rio de Janeiro, Brazil. He served as an Advisory Director and Vice President of the Brazilian Geology Society. He was a member of the Brazilian Paleontology Society and the American Association of Petroleum Geologists and a Director of the Brazilian Oil Institute. He currently serves as Vice President of Exploration and Production at Petrobras and Director of Petrobras Energía. Mr. Estrella has been Managing Director of Exploration and Production of Petrobras since January 31, 2003. Currently, Mr. Estrella is also a member of the boards of directors and executive boards of Petrobras Energia S.A., and also serves as Chairman of the Board of the *Instituto Brasileiro de Petróleo e Gás* (Brazilian Oil and Gas Institute). He worked at Petrobras from 1965 until 1994, when he retired as a geologist of our Exploration Department. Before his retirement, he held several other positions of Petrobras, including: General Superintendent (1989-1993); Superintendent of Research and Development for exploration, drilling and production (1985-1989); Head of the Exploration Division (1981-1985); Head of the Organic Geochemistry Sector (1981); Head of the Brazilian East Coast Basin Interpretation Sector of the Petrobras Exploration Department - DEPEX/RJ (1978-1981); and Exploration Manager of Petrobras Internacional S.A. - BRASPETRO for Iraq (1976-1978). Mr. Estrella has also served as director of the *Instituto Brasileiro de Petróleo e Gás*.

*Renato de Souza Duque (48)* graduated in Electrical Engineering from Universidade Federal Fluminense, Brazil, with a specialization degree in Oil Engineering and completed post-graduate MBA courses. He joined Petrobras in 1978, and served as Manager of Human Resources for all the operational units in the Exploration and Production area, Manager of Drilling Operations in the Campos Basin, Manager of owned platforms, Manager of Well Engineering and Technology, and Manager of Contracts in the Exploration and Production division. He currently serves as Vice President of Corporate Services at Petrobras and a Director of Petrobras Energía.

*Rogério Almeida Manso da Costa Reis (47)* graduated in Civil Engineering from Universidade do Estado do Rio de Janeiro, Brazil, and holds an MBA from Stern (New York University). He completed post-graduate courses in Management at Kellogg (Northwestern University), INSEAD, IFP-Wharton and Oxford Institute for Energy Studies. He has worked at Petrobras since 1979, and served as Managing Director of Marketing and Commercialization, General Manager of Supply and Deputy General Manager of Logistics. He currently serves as Director of Supply at Petrobras, member of the Board of Copesul and Alberto Pasqualini S.A. Refinery, a Director of Petrobras International Finance Company and a Director of Petrobras Energía.

*Luis Augusto M. da Fonseca (50)* graduated in Electronic Engineering from Escola de Ingeniería Mauá, São Paulo, with a specialization degree in Oil Engineering, and obtained a degree in Economics from Universidad do Estado de Rio de Janeiro. At Petrobras he worked as the company representative to the Latin American Energy Organization, chief assistant to Petrobras International Executive Vice President, Manager of Operations in Houston, Officer Director & Engineering Services Manager at BRASOIL, coordinator of International Relations with international agencies, OLADE Executive Secretary and Business Development Manager. He participated in official missions together with government agencies and energy sector entities of Latin American and Caribbean countries, multilateral and international cooperation agencies. He currently is Vice President of Communications of Petrobras Energía.

*Rui Antonio Alves da Fonseca (47)* graduated in Mechanical Engineering from Universidade Federal do Rio de Janeiro and completed MBA courses for managers and executives at Fundação Getúlio Vargas, Brazil. At Petrobras

he worked as Head of the CENPES Industrial Project Division and as Environment, Safety and Health General Manager. He currently is Vice President of Quality, Environmental, Safety and Occupational Health of Petrobras Energía.

*Alberto da Fonseca Guimarães (54)* graduated in Mechanical Engineering from UNESP, São Paulo State. He holds a MBA degree in Administration from Coppead, Rio de Janeiro. He has served for three years as

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Executive Manager of Commercialization and Marketing at Petrobras. He served as Executive Manager of Refining at Petrobras, and for a seven-year term, he served as Commercial Manager of Petrobras in New York and London. He was Managing Director of Business Development at Petrobras. Currently, he is a Director and Chief Executive Officer of Petrobras Energía. He is also a Director of Petrolera Entre Lomas S.A.

*Oscar Anibal Vicente (65)* graduated in Engineering from Universidad Nacional de La Plata and in Oil Production Engineering from Universidad de Buenos Aires. He joined Petrobras Energía in 1970 and has since held several positions, including General Manager (1978-1982) and Chief Executive Officer (1997-2001). He is the President of the Argentine Hydrocarbon Producing Companies Chamber. In addition, he is a Director of Petrobras Energía and Petrolera Entre Lomas S.A.

*Cedric Bridger (67)* graduated in Public Accounting in London, where he initiated his professional activities. In Buenos Aires (1964) he was Financial Manager of FADIP S.A. (later Hughes Tool Co. S.A.). He then held the position of General Manager of the company in Brazil and was finally appointed Vice President of Operations of the company for Latin America. From 1992 until 1998, he was Vice President of Finance at YPF S.A. In April 1998, he retired from YPF S.A. and took a position as a Director of Banco Hipotecario. He is currently attorney-in-fact of the Argentine subsidiary of Técnicas Reunidas S.A. (Spain) and a Director of Petrobras Energía.

*Héctor Daniel Casal (48)* graduated in Law. He serves as Vice President of Legal Affairs of Petrobras Energía. He has worked at Petrobras Energía since 1991. He is a Director of Petrobras Energía, Petrobras Energía Internacional S.A., Petrobras Financial Services Austria GmbH and Petrobras Holding Austria AG, and an alternate Director of Corod Produccion S.A., Petrolera Entre Lomas S.A., Petrobras Energía Venezuela S.A. and Petrobras Finance Bermuda Ltd. He is a Statutory Syndic of Refinor S.A., TGS, Compania de Inversiones de Energía S.A. and Telcosur S.A., and alternate Statutory Syndic of Distrilec, Edesur, Citelec, Transener, Transba. He is also member of counsel of Innova S.A.

*Daniel Maggi (51)* graduated in Law. He completed post-graduate studies in Business Management at the Universidad del Salvador. He has worked at Petrobras Energía since 1997 and currently serves as Vice President of Human Resources. In the past, he has acted as Director of Human Resources of Edesur, and Manager of Human Resources at Sade Ingeniería y Construcciones S.A. and as Manager of Legal Affairs and Human Resources at La Plata Cereal S.A. He is also a Director of Petrobras Energía, Distrilec and Edesur.

*Nicolas Perkins (30)* graduated in Law from Universidad Católica Argentina in 1995. He obtained a Master of Law degree from New York University in 1998. From 1996 to 1998, he worked as an associate at the law firm Cárdenas, Cassagne & Associales, and from 1998 to 1999, he worked as a foreign associate with Linklaters & Alliance in New York. From 1999 to 2000 he worked as General Counsel and Human Resources Manager for LatinStocks.com coordinating work with local counsel in Argentina, Brazil, Mexico and the United States in commercial and intellectual property law related matters. In 2001 he worked as General Counsel for Latin America for Schlumberger-Schlumbergersema. He currently works as an associate with the law firm of Fortunati & Lucero.

*Roberto Alejandro Fortunati (48)* graduated in law from the Universidad de Buenos Aires in 1979. He is currently a professor in the post-graduate program of Petroleum and Gas Law and adjunct professor in Public International Law at the University of Buenos Aires, and a member of the Consulting Board of the Universidad Torcuato Di Tella Law School. In 1985 he participated in the Seminar on U.S. and International Law in the International and Comparative Law Center at the Southwestern Legal Foundation in Dallas, Texas. From 1996 to 2001, he was partner and member of the Executive Committee of the law firm Estudio Beccar Varela. From 2001 to 2002, he was Vice President and Director of legal affairs at Citibank, Argentina Branch. Since 2003, he has been a member of the law firm Estudio Fortunati & Lucero where he is a founding partner.

*Carlos Alberto Pereira de Oliveira (46)* graduated in Mechanical and Automotive Engineering from Instituto Militar de Ingenieria, in the city of Rio de Janeiro, with a specialization in petroleum engineering. He specialized in Financial Administration in the areas of petroleum and gas at the University of Texas, U.S.A. In Petrobras, he was Integral Manager of Production and Development, Production and Development Manager and Reserves and Reservoirs General Manager. He currently is Vice President of the Oil and Gas Exploration and Production and Hydrocarbon Transportation Business Units. He is President of Petrobras Energía Perú S.A. and a Director of Petrolera Entre Lomas S.A. and Petrobras Energía.

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*Rafael Fernández Morandé (49)* graduated in Civil Engineering. He has a post-graduate degree in Business Administration. He served as Director of the business unit of Electricity since 1997, and additionally, since April 2001, as Vice President of the Energy and Gas Business Units. He was previously President of the Association of Electric Energy Generators in Argentina, a Director of the executive committee of CAMMESA and General Manager of Central Puerto S.A. He is President of Distrilec, World Energy Business S.A., Petrobras Finance Bermuda, Telcosur S.A., Citelec, Transba, TGS and Compañía de Inversiones de Energía S.A. He is also Vice President of Edesur and Transener and a Director of Petrobras Energía.

*Luis Miguel Sas (41)* has a degree in economics, is a Certified Public Accountant, a graduate of Universidad de Buenos Aires and holds an MBA from the Instituto de Altos Estudios Empresariales Universidad Austral. He joined Petrobras Energía in 1984 and has since served in the area of finance. In 1990 he was appointed head of the Financial Operations Division when Petrobras Energía took over Telecom Argentina S.A., one of the first privatized companies in Argentina. He worked as head of the Petrobras Energía money desk during the 1992-1997 period. In 1997 he was appointed Corporate Finance Manager, in charge of capital market financing and project financing. In January 2000, he was appointed Chief Financial Officer of Edesur. He served as Finance Manager at Petrobras Energía between May 2001 and May 2004. On May 7, 2004 he was appointed Chief Financial Officer of Petrobras Energía. In addition, he currently serves as a Director of Petrobras Energía, Distrilec Inversora, Petrobras Energía Internacional S.A., Petrobras de Valores Internacional de España S.A., and Petrobras Financial Services Austria GmbH, and an alternate Director of TGS. He is also member of Counsel of Petrobras Hispano Argentina S.A.

*Pablo Cavallaro (38)* graduated in Law from the Universidad de Córdoba in 1988. In 1993 he finished a course specializing in International Economics and Development from the University of Denver, in which he received the highest average. Between 1994 and 1997 he was employed as an associate with the law firm Clifford Chance in London. Afterwards, he was an associate at the law firm Bruchou, Fernandez, Madero and Lombardi. Between 1999 and 2003, he advised important business organizations while working at the law firm of O Farrel. Currently, he is a post-graduate Professor of Capital Markets in the Faculty of Law at the Universidad de Buenos Aires, and since May 2003, a senior partner at the law firm Fortunati & Lucero.

## **Administration and Organization**

Our operations are conducted through Petrobras Energía. Petrobras Energía's operations are divided into five business segments that are in turn supported by a corporate center. The five business segments are: Oil and Gas Exploration and Production, Hydrocarbon Marketing and Transportation, Refining, Petrochemicals and Electricity.

Petrobras Energía is managed by an executive committee made up of 10 members: the Chief Executive Officer, the Chief Financial Officer, the Vice President of each business unit and the Vice President of Legal Affairs, Human Resources, Corporate Services, Communications and Quality, Environmental, Safety and Occupational Health.

Operations are managed through standardized processes that facilitate and secure coordination between the different units and groups. Delegation of authority is encouraged for the purpose of promoting efficiency. In addition, the scope of the delegation of authority is clearly and expressly determined through systemized approval limits for risk minimization purposes. Our internal control system is supported by coordination among the areas responsible for managing businesses and administering them on a centralized basis, always within the framework of the policies established by the executive committee. Operating and administrative processes are jointly supported by administrative procedures, highly reliable information systems, the production of periodical management control reports, performance appraisals and fluid communications that strengthen the internal control system and help to secure an efficient administration.



**Table of Contents****Our Executive Officers**

Because we are a holding company, we do not have any executive officers. Our operations are conducted by Petrobras Energía's team of highly qualified executive officers. The following table sets forth the names and positions of Petrobras Energía's executive officers.

<b>Name</b>	<b>Position</b>
Alberto Guimarães	Chief Executive Officer
Luis Miguel Sas	Chief Financial Officer
Carlos Alberto P. de Oliveira	Vice President of Oil and Gas Exploration and Production and Hydrocarbon Transportation Business Units
Haroldo Dahn	Vice President of Refining and Petrochemicals Business Units
Rafael Fernández Morandé	Vice President of Energy and Gas Business Units
Daniel Maggi	Vice President of Human Resources
Héctor Daniel Casal	Vice President of Legal Affairs
Alberto Bethke	Vice President of Corporate Services
Luiz Augusto M. da Fonseca	Vice President of Communications
Rui Antonio Alves da Fonseca	Vice President of Quality, Environmental, Safety and Occupational Health
Ricardo Meira de Vasconcellos	Executive Manager of Auditing
Adelson da Silva	Executive Manager of Planning

The following is a brief summary of the principal business and academic experience of Petrobras Energía's executive officers who are not also directors of ours (for the summary regarding executive officers who are directors, see above).

*Haroldo Dahn (54)* graduated in Chemical Engineering with executive education at the University of Michigan. He is currently Vice President of the Refining and Petrochemicals business units of Petrobras Energía. He joined us in 1989 and has since served in different positions, including General Manager of Cuyo and PASA S.A. He is President of Refinería Norte S.A., Vice President of Cuyo in Argentina, President of Innova S.A. in Brazil and a Director of Empresa Boliviana de Refinación S.A. in Bolivia.

*Alberto Bethke (38)* graduated in Public Accounting. He completed a post-graduate degree in Business Administration at the Instituto de Altos Estudios Empresariales Universidad Austral. He currently serves as Vice President of Corporate Services of Petrobras Energía. He has been with Petrobras Energía since 1994, first as Corporate Information Manager and then from 2000-2001 as E-Commerce Manager. He previously served as Administrative Manager in TGS and prior to that in the audit and consulting division of Pistrelli, Díaz y Asociados.

*Ricardo Meira de Vasconcellos (46)* graduated in Business Administration from Santa Úrsula University, Rio de Janeiro, Brazil. He specialized in Financial Administration in oil and gas at the University of Texas, U.S.A. He also completed post-graduation studies in Financial Administration and holds an Executive MBA in Management from the Fundação Getúlio Vargas, Rio de Janeiro, Brazil. In Petrobras, he has been working in the Internal Audit Department for 17 years and his last position was E&P Audit Manager. He is currently Executive Manager of Auditing.

*Adelson Antonio da Silva (47)* graduated as an Accountant from the University Nilton Paiva Ferreira, in the city of Belo Horizonte and as a Lawyer from University Candido Mendes in Rio de Janeiro. He specialized in Tax Law at University Estácio de Sá and MBA Executive/Marketing at COPPEAD-UFRJ in Rio de Janeiro. He worked for 24 years in Petrobras, predominately at the Accounting, Finance, Commercial, and Development of New Business

areas. He participated in the biggest international acquisitions of Petrobras. He is currently Executive Manager of Planning at Petrobras Energía, and a Director of Petrobras Argentina S.A., Transener, Petrolera Entre Lomas S.A., and TGS.



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**COMPENSATION**

Compensation of the members of the Board of Directors is determined at the ordinary shareholders meeting in compliance with the Business Companies Law, No. 19,550. The maximum amount of compensation that the members of the Board of Directors may receive, including salaries and any other form of compensation for the performance of technical, administrative, or permanent functions, may not exceed 25% of our profits. Such amount will be 5% in the event that no dividends are distributed to the shareholders. It will be increased pro rata on the basis of the dividend distribution, up to the 25% cap. In the event that one or more directors serve as members of a special committee or perform technical or administrative functions, and profits are reduced or non-existent, and, consequently, the preset limits are exceeded, compensation in excess of the limit may only be paid with the prior express approval by shareholders at the regular shareholders meeting.

In Petrobras Energía, the compensation policy for executive officers includes an annual cash compensation and a benefit program. The annual cash compensation is determined based on the characteristics and responsibilities of the relevant position and the executive officer's qualifications and experience and benchmark information. Such compensation consists of a monthly fixed compensation and an annual variable compensation dependent upon Petrobras Energía's results of operations and the achievement of individual goals and objectives. Benefits granted to executive officers are similar to those granted to our staff, such as life insurance, health care plan, meal allowance, and supplementary pension plan.

In addition to cash compensation, we sponsor a long term incentive plan for Petrobras Energía's executive officers and senior managers. The plan consists of two stock option programs. The Appreciation Rights Program grants executive officers and senior managers options to purchase shares of Petrobras Energía Participaciones at a set exercise price or to receive cash equal to the difference between the average market price of Petrobras Energía Participaciones shares during the 20 days prior to exercise date and the exercise price. The Full Value Program grants executive officers and senior managers options to receive shares of Petrobras Energía Participaciones at no cost or receive cash equal to the market value of such shares. Each option grants the holder the right to purchase one share of Petrobras Energía Participaciones.

As part of this program, the Board of Directors of Petrobras Energía approved the incentive plans for 2001 and 2000. For further information see our financial statements as of December 31, 2003. In 2002 and 2003, no grants were made under these plans.

No contracts for services were entered into between the directors and our company or any of our subsidiaries that provide for benefits after termination of their office, other than as provided by law.

In 2003, we paid an aggregate of P\$14.8 million to our directors and to the executive officers of Petrobras Energía.

**BOARD PRACTICES**

**Audit Committee**

Pursuant to the provisions of the Regime concerning Transparency in Public Offerings approved by Decree No. 677/01, Argentine public companies must have an Audit Committee composed of three or more members of the Board of Directors. On May 21, 2003, our Board approved the implementation process required under General Resolution No. 400/02 of the CNV, which sets forth the rules concerning the implementation and operation of the Audit Committee that must be provided for either in our internal regulations or in our by-laws.

In compliance with the above resolutions, at the shareholders' ordinary meeting held on March 19, 2004, we approved an amendment to our by-laws adding a provision related to the structure and operation of the Audit Committee. Our amended by-laws are awaiting formal approval from the CNV prior to becoming effective.

The Audit Committee will be composed of three regular directors and an equal or lower number of alternate members that will be appointed by the Board of Directors from among its members. Directors having

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sufficient experience and ability in financial, accounting or business matters are eligible to become members of the Audit Committee. All members of the Audit Committee or at least the majority of its members, as determined by the Board of Directors, must be independent, under the standards provided for in the regulations of the CNV. See Directors and Senior Management Board of Directors. The Audit Committee may adopt its own internal regulations. At the Board of Directors meeting on May 7, 2004, Roberto Fortunati, Nicolás Perkins and Cedric Bridger were appointed as regular members of the Audit Committee and Pablo Cavallaro was appointed as an alternate member.

The Audit Committee has the following powers and responsibilities:

- (i) To make recommendations to the shareholders about the Board of Directors proposal regarding the appointment of the external auditors and to monitor the independence of such external auditors.
- (ii) To supervise the performance of the internal control systems, the performance and trustworthiness of the administrative accounting system, the trustworthiness of all the financial information and relevant event disclosure submitted to the CNV and to self-regulated entities pursuant to the applicable disclosure regulations.
- (iii) To supervise the application of our disclosure policies with respect to our risk management practices.
- (iv) To provide the market with complete information with respect to transactions where members of corporate bodies or controlling shareholders of ours have conflicts of interests.
- (v) To opine with respect to the reasonableness of compensation and option plans proposed by management for directors or managers.
- (vi) To opine on the performance of legal requirements and on the reasonableness of proposals to issue shares or securities convertible into shares, in the case of capital increases that exclude or limit preemptive rights.
- (vii) To verify the compliance with applicable codes of conduct.
- (viii) To issue founded opinions with respect to transactions with related parties as required by applicable law. To issue founded opinions whenever a conflict of interest exists or may arise for us and to communicate this opinion to self-regulated entities as required by the CNV.

Once a year, the Audit Committee prepares a working plan with respect to the Audit Committee's goals and work schedule for the fiscal year to be submitted to the Board of Directors and to the Statutory Syndic Committee. The directors, members of the Statutory Syndic Committee, managers and external auditors shall, when requested by the Audit Committee, attend its meetings, provide the Audit Committee with information and otherwise assist the Audit Committee in the performance of its functions. In order to better perform its functions, the Audit Committee may seek the advice of legal counsel and other independent professionals at our expense, pursuant to a budget approved by shareholders. The Audit Committee shall have access to the information and documents it may deem necessary to perform its duties.

These same policies were implemented by Petrobras Energía for its Audit Committee.

## **Statutory Syndic Committee**

We have a Statutory Syndic Committee that is comprised of three members and three alternate members. The members of Petrobras Energía's Statutory Syndic Committee are the same as those that serve on our Statutory Syndic Committee.



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The table below sets out the name, year of appointment and position of each person on the Statutory Syndic Committee, approved by Petrobras Energía's Ordinary Shareholders Meeting held on March 19, 2004:

Name	Year of Appointment	Position
Juan Carlos Cincotta	2004	Member
Justo Federico Norman	2003	Member
Rogelio Norberto Maciel	2003	Member
Olga M. Morrone de Quintana	2004	Alternate
Mariana P. Ardizzone	2004	Alternate
María Laura Maciel	2004	Alternate

The members and alternate members of the Statutory Syndic Committee are elected by the shareholders at the annual shareholders meeting to serve for a renewable term of one year. The primary responsibilities of the Statutory Syndic Committee are to monitor management's compliance with the Companies Law, our by-laws and the shareholders' resolutions. The Statutory Syndic Committee also performs other functions, including: (i) attending meetings of the Board of Directors and shareholders, (ii) calling extraordinary shareholders meetings when deemed necessary or when required by shareholders, in accordance with the Business Companies Law, No. 19550, (iii) presenting a report on the reports of the Board of Directors and the annual financial statements at regular shareholders meetings, and (iv) investigating written complaints of shareholders representing not less than 2% of the capital stock. The Statutory Syndic Committee may not engage in any management control and, accordingly, may not evaluate business judgment and decisions on issues of administration, financing, selling and production, as these issues fall within the exclusive responsibility of the Board of Directors.

Justo Federico Norman, Rogelio Norberto Maciel, Mariana P. Ardizzone and Maria Laura Maciel are lawyers and work at Maciel, Norman & Asociados Law Office, which has professional relations with and charges fees to us, our controlling companies and other Petrobras Energía companies.

Olga Margarita Morrone de Quintana is a public accountant and works at Estudio Morrone de Quintana, Seoane & Quintana, which has professional relations with and charges fees to us and other Petrobras Energía companies.

In compliance with Technical Resolution No. 15 of the Federación Argentina de Consejos Profesionales de Ciencias Económicas, Juan Carlos Cincotta and Olga Margarita Morrone de Quintana are independent.

The following is a brief summary of the principal business and academic experience of the members of the Statutory Syndic Committee listed in the table above:

*Juan Carlos Cincotta (59)* graduated in Public Accounting from Universidad de Buenos Aires. He is currently a member of Cincotta Asesores, formerly a partner at Ernst & Young, Grant Thornton & Bertora Asociados. He specializes in external audits of major public and private entities, consulting in accounting issues and auditing of companies. He is a member of the Special Commission on Accounting and Auditing Regulations (CENCyA) of the Federación Argentina de Consejos Profesionales de Ciencias Económicas. He is also a representative at the Instituto Argentino de Ejecutivos de Finanzas in the Committee on International Accounting Standards of IAFEI and Director of the Subcommittee of National and International Technical Rules. He is currently a member of the Statutory Syndic Committee of Petrobras Energía.

*Justo F. Norman (59)* graduated in Law. He is a partner of Maciel, Norman & Asociados Law Office in Buenos Aires (1991) with extensive experience in the general practice of law and in the fields of energy, natural resources, taxes and environmental issues. He is also renowned in the litigation and international arbitration fields. He is a member of the Association of International Petroleum Negotiators (AIPN) where he currently serves as Regional Secretary (2001-2004); the International Bar Association (IBA); and Rocky Mountain Mineral Law Foundation. He has represented and currently represents companies such as Anadarko Petroleum Corporation, ANR Pipeline Company (Coastal), Apache Corporation, BHP Petroleum (Americas) Inc., British Gas, Devon Energy Corporation, Parker Drilling, and Petroliam Nasional Berhad (Petronas). He is Vice President of BHP Petroleum

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(Argentina) S.A. and Computalog S.A. and a Regular Director of Noranda Exploración Argentina S.A., Petronas Argentina S.A. and Petrolera Rio Alto S.A., among others. He is also a member of the Statutory Syndic Committee of Petrobras Energía and an alternate member of the Statutory Syndic Committee of Petrolera Entre Lomas S.A.

*Rogelio N. Maciel (68)* is a founding partner of Maciel, Norman & Asociados Law Office. He is a renowned lawyer in the litigation and international arbitration fields. He was one of the members of the Argentine Aeronautical Code Drafting Committee and was a member of the Argentine delegation to the OACI. He is a member of the Buenos Aires Oil Club, the Association of International Petroleum Negotiators (AIPN) and the Rocky Mountain Mineral Law Foundation. He is Vice President of Noranda Exploración Argentina S.A. and Petronas Argentina S.A., a Regular Director of BHP Petroleum (Argentina) S.A. and an Alternate Director of Petrolera Rio Alto S.A., among others. He is also a member of the Statutory Syndic Committee of Petrobras Energía.

*Olga M. Morrone de Quintana (68)* is a partner of Morrone de Quintana, Seoane & Quintana. She is currently a member of the Statutory Syndic Committee of Petrolera Entre Lomas S.A., Petrobras Energía Internacional S.A., Enecor S.A., Yacylec S.A., World Energy Business S.A., Propyme SGR, and an alternate member of the Statutory Syndic Committee of Petrobras Energía.

*Mariana P. Ardizzone (31)* graduated in Law from Universidad de Buenos Aires. She holds a Master of Laws from the University of Michigan and is currently enrolled in a post-graduate degree course in Business Administration and Electric Energy and Natural Gas Markets at the Instituto Tecnológico de Buenos Aires (ITBA). Since July 2001, she has been working as a lawyer at Maciel, Norman & Asociados law office. She is currently an alternate member of the Statutory Syndic Committee of Petrobras Energía.

*Maria Laura Maciel (41)* graduated in Law from Universidad Catolica Argentina. She holds a post-graduate degree in Private International Law and in Aviation Law from American University in Washington D.C. (1986), and a post-graduate degree in IATA/FIATA in the International Association of Air Transportation, Montreal, Canada (2004). She is currently working as an associate at Maciel, Norman & Asociados law office, and is currently an alternate member of the Statutory Syndic Committee of Petrobras Energía.

Total compensation for the members of the Statutory Syndic Committee was P\$0.045 million in 2003.

**EMPLOYEES**

The following table sets out the number of our employees by business segment for the fiscal years ended December 31, 2003, 2002 and 2001.

	<b>As of December 31,</b>		
	<b>2003</b>	<b>2002</b>	<b>2001</b>
Oil and Gas Exploration and Production	900	884	914
Refining and Petrochemical	1,551	1,505	1,422
Electricity	73	74	272
Farming and Forestry	209 <sup>(1)</sup>	212	408
Hydrocarbon Marketing and Transportation	25	22	20
Corporate	576	558	583

<b>Total</b>	<b>3,334</b>	<b>3,255</b>	<b>3,619</b>
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(1) In January 2004, we completed the formalities necessary for execution of the transfer of our forestry industrial activities.

Currently, 28% of our workforce are members of labor unions and have entered into collective bargaining agreements with our company or our entities. We believe we generally have good relations with our employees and the unions, and expect to continue to enjoy good relations with our employees and the unions in the future. We can provide no assurance, however, that our employee compensation arrangements may not be subject to change or modification after the expiration of the contracts currently in effect.

### **SHARE OWNERSHIP**

To our knowledge, none of our directors or members of our senior management owns more than 1% of our outstanding shares.



**Table of Contents****Item 7. MAJOR SHAREHOLDERS AND RELATED PARTY TRANSACTIONS****MAJOR SHAREHOLDERS**

Our share capital consists of 2,132,043,837 Class B shares. Our Class B shares have a par value of P\$1.00. Our Class B shares are entitled to one vote per share.

On October 17, 2002, Petrobras Participacoes, S.L., a wholly owned subsidiary of Petrobras, acquired 58.6% of Petrobras Energía Participaciones's capital stock from the Perez Companc Family and Fundación Perez Companc. Petrobras is a public Brazilian company, whose business is concentrated on exploration, production, refining, sale and transportation of oil and its by-products in Brazil and abroad. Prior to that date, the Perez Companc Family, together with Fundación Perez Companc, had owned at least half of the share capital issued by Petrobras Energía Participaciones.

The table below sets forth certain information as of April 30, 2004 with respect to the ownership of our capital stock by each person who is known to us to be the owner of more than 5% of our shares.

<b>Shareholder</b>	<b>Class B Shares</b>	
	<b>Number of Shares</b>	<b>% of the Total Outstanding Shares</b>
Petrobras Participações S.L	1,249,716,746	58.6%

**RELATED PARTY TRANSACTIONS**

Our strategy to grow as an integrated energy company led us to develop our business in various levels of the energy industry, and this in turn has led to an increase in transactions between our affiliates and subsidiaries, in particular between affiliates and subsidiaries in different business segments. These transactions are carried out in the ordinary course of our operations on an arm's length basis. The terms of these transactions are comparable to those offered by or obtained from non-related third parties.

In addition, we have sought to capitalize on the synergies of our businesses with those of Petrobras, by exploiting a number of opportunities and initiatives that offer benefits to both companies. The Refining segment has benefited the most from this relationship. During 2003, 210,000 m<sup>3</sup> of diesel oil were sold to EG3. This allowed us to profitably increase the volumes of crude oil processed in the San Lorenzo Refinery to levels superior to those of the last few years. EG3 does not have sufficient production capacity in its refinery in Bahía Blanca to supply its ample network of service stations, and we produce excess amounts of diesel oil at the San Lorenzo Refinery, which have been traditionally exported at lower prices to other countries in the region. This generates attractive long-term business opportunities for both companies.

We reached an agreement to sell Lubrax lubricants, a product of Petrobras, in our network of services stations. This lubricant has rapidly acquired a significant local market share of almost 9%, and was the fastest growing lubricant in Argentina in 2003, with sales increasing 40% as compared to 2002. The technical, commercial and marketing efforts carried out by Petrobras for the development of the Lubrax trademark in Argentina have significantly assisted our sales.

We also reached agreements to use the Petrobras flag at seven of our service stations. Over the last few years, Petrobras has built an excellent image for its brands, products and services in Argentina, currently competing with the image of the leading competitors. Negotiations continue over a long term agreement for the use of the Petrobras brand at all our gas stations.

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In January 2003, we closed transactions with a subsidiary of Petrobras to hedge oil price fluctuations during the second semester of 2003, covering a volume of 18,000 barrels per day. This agreement provides protection based on the actual WTI, setting a minimum price of U.S.\$22.87 per barrel. We paid a premium of P\$12 million for this option.

In the first quarter of 2002, Petrobras Energía approved an asset swap transaction with IRHE (Argentine Branch) and Gentisur S.A., two companies related to our former controlling group. Pursuant to the terms of the asset swap, Petrobras Energía sold to IRHE and Gentisur its 50% interest in Pecom Agra S.A. for U.S.\$30 million, resulting in a P\$81 million gain and, in turn, IRHE and Gentisur transferred to Petrobras Energía the following as consideration for the sale:

0.75% interest in the Puesto Hernández Hydrocarbon UTE for U.S.\$4.5 million;

7.5% equity interest in CITELEC, the parent of Transener, for U.S.\$15 million; and

9.19% equity interest in Hidroneuquén S.A., a company holding a 59% interest in the capital stock of Hidroeléctrica Piedra del Aguila S.A., for U.S.\$5.5 million.

The remaining balance of U.S.\$5 million was settled through a document maturing in October 2002, which accrues interest at six-month LIBOR plus an annual 3% spread.

We have requested reports from consulting firms regarding our related party transactions. These reports state that these transactions can be reasonably considered in conformity with ordinary market practices and conditions.

Material transactions with our related entities (including companies under joint control) for the years ended December 31, 2003, 2002 and 2001, are as follows:

	<b>2003</b>		<b>2002</b>		<b>2001</b>	
<b>Company</b>	<b>Purchases</b>	<b>Sales</b>	<b>Purchases</b>	<b>Sales</b>	<b>Purchases</b>	<b>Sales</b>
Oleoductos del Valle S.A.	17		14		20	
Transportadora de Gas del Sur S.A.	13		48		106	
Petroquímica Cuyo S.A.				5		9
Petrobras Petroleo Brasileiro S.A.		149		79		
EG3 S.A.	26	196		1		
Refinería del Norte S.A.	55	1	60		37	
Petrolera Entre Lomas S.A.			22			
	—	—	—	—	—	—
<b>Total</b>	<b>111</b>	<b>346</b>	<b>144</b>	<b>85</b>	<b>163</b>	<b>9</b>

The outstanding balances as of December 31, 2003, 2002 and 2001 from transactions with related companies (including companies under joint control) are as follows:

**2003**

	Current			Long-term
	Trade Receivables	Other Receivables	Accounts Payable	Other Liabilities Investments
<b>Company</b>				
Oleoductos del Valle S.A.			1	
Petroquímica Cuyo S.A.				6
Oleoductos Crudos Pesados Ltd.				127
EG3 S.A.	55		2	
Transportadora de Gas del Sur S.A.	9		4	
Refinería del Norte S.A.		3		
Petrobras Petroleo Brasileiro S.A.	10			
Petrobras Energía Participaciones S.A.	—	—	—	—
<b>Total</b>	<b>74</b>	<b>3</b>	<b>7</b>	<b>127</b>

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	<b>2002</b>				
	<b>Current</b>				
	<b>Investments</b>	<b>Trade Receivables</b>	<b>Other Receivables</b>	<b>Accounts Payable</b>	<b>Other Liabilities</b>
	—	—	—	—	—
<b>Company</b>					
Empresa Boliviana de Refinación S.A.	19				
Oleoductos del Valle S.A.				3	
Petroquímica Cuyo S.A.		1	2		
Petrobras International Finance Company		17			
Transportadora de Gas del Sur S.A.				3	
Refinería del Norte S.A.		1	2	4	
Coroil S.A.					48
	—	—	—	—	—
Total	19	19	4	10	48
	—	—	—	—	—

	<b>2001</b>				
	<b>Current</b>			<b>Long-term</b>	
	<b>Investments</b>	<b>Trade Receivables</b>	<b>Other Receivable</b>	<b>Account Payable</b>	<b>Investments</b>
	—	—	—	—	—
<b>Company</b>					
Empresa Boliviana de Refinación S.A.	20				
Oleoductos del Valle S.A.				2	
Cerro Vanguardia S.A.					69
Transportadora de Gas del Sur S.A.				7	
Refinería del Norte S.A.		2	2	4	
Others			2		
	—	—	—	—	—
Total	20	2	4	13	69
	—	—	—	—	—

We do not have any other material related party transactions.



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**Item 8. FINANCIAL INFORMATION**

**CONSOLIDATED FINANCIAL STATEMENTS**

See Item 18. Financial Statements.

**LEGAL PROCEEDINGS**

We are involved in various litigation and regulatory proceedings arising in the ordinary course of our business. We do not believe that any of these proceedings is material to our operations or financial condition.

In addition, as a result of the Argentine crisis and the pesification of utility rates, some of our affiliates and companies under joint control have defaulted on their debt and are in discussions with creditors regarding possible restructurings. If the restructuring efforts are unsuccessful and creditors proceed against the assets of such affiliates and companies under joint control, we could lose some or all of our equity in these companies and our results would be affected accordingly. See Item 3. Key Information Risk Factors Factor Relating to Argentina The devaluation and pesification of utility rates have resulted in payment defaults by some of our affiliates.

**DIVIDENDS**

We may only pay dividends from our retained earnings reflected in our annual audited financial statements as approved at our annual general ordinary shareholders meeting. While our Board of Directors may declare interim dividends, our Board of Directors and our statutory audit committee would be jointly and severally liable for the repayment of dividends if our retained earnings at the close of our fiscal year were not sufficient to permit the payment of the dividend made during the year and interim dividends received in good faith are not reimbursable. Under our by-laws, our net income is allocated as follows:

1. 5% is allocated to a legal reserve until the legal reserve equals 20% of our outstanding capital,
2. to compensation of the members of the Board of Directors and statutory audit committee, and
3. to dividends on preferred stock, if any, then to dividends on common stock or to a voluntary reserve or contingency reserve or other account, or as otherwise decided by the ordinary shareholders meeting.

Holders of our American Depositary Shares, or ADSs, will be entitled to receive any dividends payable in respect of our underlying Class B shares. We will pay cash dividends to the depositary in pesos, although we reserve the right to pay cash dividends in any other currency, including U.S. dollars. The deposit agreement provides that the depositary will convert cash dividends received by the depositary in pesos to U.S. dollars and, after a deduction or upon payment of fees and expenses of the depositary, will make payment to holders of our ADSs in U.S. dollars.

The main source of funds for the payment of cash dividends will be the dividends received from our controlled company Petrobras Energía. We will distribute as cash dividends any cash dividends received from Petrobras Energía, net of taxes, if any, and expenses, and subject to the Argentine laws and the corporate by-laws.

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Payment of cash dividends by Petrobras Energía will be dependent upon its financial situation, the results of operations, cash requirements (including capital expenditures and payments of debt service), retained earnings minimum requirements and other requirements imposed by Argentine law and upon any other factors deemed relevant by Petrobras Energía's Board of Directors for the purpose of resolving upon the declaration of dividends.

On October 4, 2002, Petrobras Energía refinanced financial liabilities in the amount of U.S.\$849 million through the issue of several series of corporate notes and other medium term credit instruments. From the time of refinancing and while any part of the refinanced debt is outstanding, Petrobras Energía shall comply with a series of restrictions and commitments, including, among others, the following restriction on the payment of dividends:

Petrobras Energía shall not distribute cash dividends prior to December 31, 2004, exceeding U.S.\$650,000. As an exception, Petrobras Energía distributed an extraordinary dividend to its shareholders up to U.S.\$19 million, based on whether Petrobras Energía Participaciones allocates its share of distributed dividends to settle Petrobras Energía Participaciones's payable to Petrobras Energía. After this date, the aggregate amount paid shall not exceed 50% of the excess cash (cash provided by operating activities less aggregate capital expenditures allowed, up to the amount of actual capital expenditures, less financial debt repaid) for the immediately preceding fiscal year.

We did not pay dividends for 2003, 2002 and 2001, and we cannot assure you that we will pay dividends in the near future.



**Table of Contents****Item 9. OFFER AND LISTING****OFFER AND LISTING DETAILS**

Our ADSs, each representing ten Class B shares, are listed on the New York Stock Exchange under the trading symbol PZE. The ADSs began trading on the New York Stock Exchange on January 26, 2000 and were issued by Citibank, N.A., as depository. Our Class B shares are listed on the Buenos Aires Stock Market under the trading symbol PBE. The Class B shares began trading on the Buenos Aires Stock Market on January 26, 2000. The following table sets forth, for the periods indicated, the high and low closing sales price of the ADSs on the New York Stock Exchange and the Class B shares on the Buenos Aires Stock Market:

	ADS <sup>(1)</sup>		Class B share <sup>(2)</sup>	
	High	Low	High	Low
<b>Full Year</b>				
2000	21.19	12.81	2.12	1.28
2001	18.75	9.18	1.98	0.92
2002	12.60	3.60	2.83	1.42
2003	11.25	6.52	3.34	1.99
<b>Quarterly</b>				
2002				
First Quarter	12.60	7.04	2.83	1.88
Second Quarter	7.40	3.60	2.47	1.42
Third Quarter	7.10	4.40	2.50	1.65
Fourth Quarter	6.28	4.69	2.27	1.78
2003				
First Quarter	7.56	6.52	2.46	2.07
Second Quarter	8.81	6.80	2.49	1.99
Third Quarter	8.88	7.50	2.64	2.18
Fourth Quarter	11.25	8.83	3.34	2.55
2004				
First Quarter	14.14	11.31	4.13	3.20
<b>Monthly</b>				
December 2003	11.25	9.39	3.34	2.75
January 2004	13.46	11.31	3.90	3.40
February 2004	13.60	11.34	4.10	3.20
March 2004	14.14	13.00	4.13	3.83
April 2004	14.05	12.09	4.00	3.47
May 2004	12.23	9.08	3.48	2.65
June 2004 (through June 11, 2004)	10.06	9.39	3.03	2.73

(1) Amounts expressed in U.S.\$

(2) Amounts expressed in P\$

On May 31, 2004, there were approximately 29.2 million ADSs outstanding. Our ADSs represented approximately 13.6% of the total number of issued and outstanding Class B shares as of May 31, 2004.

## MARKETS

### **Buenos Aires Stock Market**

The Buenos Aires Stock Market, which is affiliated with the Buenos Aires Stock Exchange, is the largest stock market in Argentina. The Buenos Aires Stock Market is a corporation whose shareholder members are the only individuals and entities authorized to trade in the securities listed on the Buenos Aires Stock Exchange.

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Trading on the Buenos Aires Stock Exchange is conducted by continuous open outcry and a computer-based negotiation system called SINAC from 10:00 a.m. to 6:00 p.m. each business day. The Buenos Aires Stock Exchange also operates an electronic trading market system from 11:00 a.m. to 5:00 p.m. each business day.

To control price volatility, the Buenos Aires Stock Market operates a system by which the trading of a security is suspended for 15 minutes whenever the price of such security changes 15% from its last closing price. Once the 15 minutes have elapsed, trading is resumed. From that point on, trading will be suspended for 10 minutes whenever the trading price changes 5% from the last suspended price.

Investors in the Argentine securities market are mostly individuals and companies. Institutional investors, which are responsible for a growing percentage of trading activity, consist mainly of institutional pension funds created under the amendments to the social security laws, enacted in late 1993.

Certain information regarding the Argentine equities market is set forth in the table below:

	<u>2003</u>	<u>2002</u>	<u>2001</u>	<u>2000</u>	<u>1999</u>
Market capitalization (P\$ billions) <sup>(1)</sup>	543.3	348.1	192.5	165.8	83.9
As percent of GDP <sup>(1)</sup>	205%	111.2%	70.9%	58.1%	29.6%
Volume (P\$ millions)	8,844	4,117	7,519	11,050	12,051
Average daily trading volume (P\$ millions)	35,52	17.5	30.9	38.8	47.2
Number of listed companies <sup>(1)</sup>	110	117	119	116	125

<sup>(1)</sup> End-of-period figures for trading on the Buenos Aires Stock Exchange.

Source: *Bolsa de Comercio de Buenos Aires, CNV and Instituto Argentino de Mercado de Capitales.*

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**Item 10. ADDITIONAL INFORMATION**

**MEMORANDUM AND ARTICLES OF ASSOCIATION**

**Register**

Our by-laws were registered in the General Board of Corporations (*Inspección General de Justicia*) on January 6, 1999 under number 265, book 4 of Corporations, as amended on November 4, 1999 under number 16,283, book 7 of Corporations, on July 6, 2000 under number 9,534, book 11 of Corporations, on July 31, 2000 under number 11,102, book 12 of Corporations, and on October 26, 2000 under number 16,086, book 13 of Corporations, on February 14, 2003 under number 2172, book 20 of Corporations and on August 22, 2003 under number 11893, book 22 of Corporations.

**Objects and Purposes**

Article 3 of our by-laws states that one of the purposes of our company is to carry on trade as an investment company, either on our own account, or on account of or in association with third parties, investing money in our own real estate transactions and/or through capital contributions to firms or business or industrial companies existing at present or to be organized in the future, in order to make present or future businesses, acquire and sell shares, bonds and debentures, grant financial support, provide sureties, guarantees and bonds in favor of third parties, and make financial transactions granting loans and payment facilities whether or not secured by a security interest, expressly excluding the activities that are prohibited by the financial entities law. To such effect, we have full legal capacity to assume rights and obligations and perform all acts not prohibited by the law or by these by-laws.

**Provisions of the By-laws Relating to Directors**

Article 9 of our by-laws states that the Board of Directors shall constitute quorum with the presence of a majority of its members and shall adopt resolutions by a majority of the votes present. Argentine corporate law requires that directors refrain from voting on matters in which such director may have a material interest. Our by-laws establish that, should any members of the board refrain from voting in any matter on account of having an interest contrary to ours, the board shall adopt resolutions by a majority of the members who did not refrain from voting for such reason.

**Capital Stock**

Set forth below is a brief description of the material provisions of our by-laws and Argentine law and regulations relating to our capital stock. There are no longer Class A shares outstanding since they were converted, on October 17, 2002, into Class B shares as explained below.

*Voting Rights*

Each Class B share entitles the holder to one vote.

*Transfers of Class A Shares*

Class A shares were converted into Class B shares prior to the sale of Petrobras Energía Participaciones s Class A shares from the Perez Compañía Family to Petrobras. See Major Shareholders.

*Special Class Voting Rights*

Under Argentine law, any action that would prejudice the rights of holders of a particular class of shares but not the rights of holders of other classes or affect the rights of holders of a particular class of shares in a manner different than holders of other classes of shares must be approved by the holders of the prejudiced class of shares at

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a special meeting. These special rights apply only to classes of shares as a whole and not to a minority of shares of one class against a majority of that same class. In addition, special shareholders' meetings are governed by the same rules as ordinary shareholders' meetings. In particular, a special meeting of Class A shareholders will be required in cases of (1) changing of our corporate legal status, (2) the anticipated dissolution of our company, (3) mergers, (4) spinoffs and (5) transfer of our domicile outside of Argentina. Amendments to the terms of issuance of employee profit-sharing certificates shall also require shareholder approval at a special meeting.

### *Cumulative Voting*

Under Argentine law, a shareholder is entitled to cumulative voting procedures for the election of up to one-third of the directors being elected. If any shareholder notifies us of its decision to exercise its cumulative voting rights not later than three business days prior to the date of a meeting, all shareholders are entitled, but not required, to exercise their cumulative voting rights. Under cumulative voting, the aggregate number of votes that a shareholder may cast is multiplied by the number of vacancies to be filled in the election, and each shareholder may allocate the total number of its votes among a number of candidates not to exceed one-third of the number of vacancies to be filled. Shareholders not exercising cumulative voting rights are entitled to cast the number of votes corresponding to their shares for each candidate. The candidates receiving the most votes are elected to the number of vacancies filled by cumulative and non-cumulative voting. If no candidate for a particular vacancy receives an absolute majority of votes, the two candidates that received the most votes will participate in a run-off election, and the candidate receiving the most votes in the run-off election will be deemed elected.

### *Preemptive Rights*

In the event of a capital increase, a holder of existing common shares of a given class has a preemptive right to subscribe for a number of shares of the same class sufficient to maintain the holder's existing proportionate holdings of shares of that class.

Preemptive rights also apply to the issuance of certain convertible securities (*obligaciones negociables*) but do not apply upon conversion of these securities. In addition, preemptive rights may apply to the issuance of preferred shares if so decided at a shareholders' meeting. Holders of ADSs may be restricted in their ability to exercise preemptive rights if a prospectus under the Securities Act relating to those securities has not been filed or is not effective or an exemption from registration is not available. You should note that we are not obligated to file a registration statement with respect to the shares relating to preemptive or accretion rights. Preemptive rights are exercisable during the 30 days following the last publication of notice to the shareholders in the Official Gazette and an Argentine newspaper of wide circulation. Pursuant to Argentine corporate law, the 30-day period may be reduced to ten days by a decision of our shareholders adopted at an extraordinary shareholders' meeting. Preemptive rights may be suspended or limited in extraordinary circumstances with the favorable vote of more than 50% of all outstanding voting shares at an extraordinary shareholders' meeting at which all shares will be entitled to exercise one vote regardless of whether there are shares with multiple votes where the purpose of the capital increases is to issue shares as consideration for a contribution of assets to the company or to repay outstanding obligations.

Shareholders who have exercised their preemptive rights and indicated their intention to exercise additional preemptive rights are entitled to accretion rights, pro rata to their respective subscriptions, with respect to any unsubscribed shares by other shareholders during the preemptive rights period, in accordance with the terms of Article 194 et seq. of the Argentine Companies Law. Shares not subscribed by the shareholders by virtue of their exercise of preemptive rights or accretion rights may be offered to third parties.

Under Argentine law, we cannot issue any more shares with multiple votes, including more Class A shares.

*Appraisal Rights*

Whenever our shareholders approve (i) a spinoff or merger in which we are not the surviving corporation, (ii) a change in our corporate legal status, (iii) a fundamental change in our corporate purpose, (iv) a change of our domicile to a location outside of Argentina, (v) a voluntary withdrawal from a public offering or delisting, (vi) the

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continuation of our company in the case of a mandatory delisting or cancellation of the authorization for a public offering, (vii) an increase of capital approved by an extraordinary shareholders meeting which would imply a disbursement by a shareholder or (viii) a total or partial recapitalization following a mandatory reduction of capital or liquidation, any shareholder that voted against this action may withdraw from our company and receive the book value of his shares, determined on the basis of our latest balance sheet prepared or that should have been prepared in accordance with Argentine laws and regulations, provided that this shareholder exercises his appraisal rights within the period set forth below. However, because of the absence of legal precedent directly on point, there is doubt as to whether holders of our ADSs will be able to exercise appraisal rights either directly or through the depositary with respect to Class B shares represented by our ADSs. Appraisal rights must be exercised within the five days following the adjournment of the meeting at which the resolution was adopted, in the event that the dissenting shareholder voted against such resolution, or within 15 days following such adjournment if the dissenting shareholder did not attend such meeting and can prove that he was a shareholder on the date of such meeting. In the case of a merger or spinoff, appraisal rights may not be exercised if the shares to be received as a result of such transaction are authorized for public offering or listed. Appraisal rights are extinguished if the resolution giving rise to such rights is revoked at another shareholders meeting held within 60 days of the meeting at which the resolution was adopted.

Payment on the appraisal rights must be made within one year of the date of the shareholders meeting at which the resolution was adopted, except when the resolution was to delist our stock or to continue our company following our mandatory delisting, in which case the payment period is reduced to 60 days from the date of the related resolution.

### *Acquisition of Class B Shares by Class B Shareholders*

Our by-laws also provide that if any person or group of persons acquires Class B shares or securities convertible into Class B shares representing at least three percent of our capital stock, then these persons must, within three days after the acquisition, give us notice of the acquisition, irrespective of any additional notice requirements under applicable rules of any stock exchange or regulatory agency. The notice must state the acquisition dates and prices, the voting power acquired, the purpose of the acquisition and the intention of the acquiror (including, without limitation, whether it intends to increase its holding or to obtain control). This provision also applies to subsequent acquisitions involving a number of Class B shares or securities convertible into Class B shares representing at least three percent of our capital stock.

### *Capital Increases and Reductions*

Our capital stock may be increased by resolution of an ordinary shareholders meeting. Capital increases do not require an amendment of the by-laws, but must be approved by the CNV, published in the Official Gazette and registered with the Public Registry of Commerce. Capital reductions may be voluntary or mandatory. Voluntary reductions of capital must be approved by an extraordinary meeting of shareholders and may take place only after notice is published and creditors are given an opportunity to obtain payment or collateralization of their claims or attachment. Reductions of capital are mandatory when losses have exceeded reserves or more than 50% of our stated capital.

Shares issued in connection with any increase in capital must be divided among the various classes in proportion to the number of shares of each class outstanding at the date of the issuance, provided that the number of shares of each class actually issued may vary based on the exercise of preemptive rights and additional preemptive rights in accordance with the procedure described in the preceding section.

### *Redemption and Repurchase*



Our shares are subject to redemption in connection with a reduction in capital by the vote of a majority of shareholders at an extraordinary shareholders meeting. Any shares so redeemed must be cancelled by us.

We may repurchase fully paid shares of our capital stock with retained earnings or freely available reserves, upon a determination of the board that this repurchase is necessary in order to avoid a material adverse effect to us.

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The board's determination must be explained to shareholders at the next annual shareholders' meeting. We may also repurchase shares of our capital stock held by a company acquired by or merged with us. In either case, we are required to resell the shares purchased within one year and must give shareholders a preemptive right to purchase these shares. Any shares repurchased by us will not be considered in the determination of a quorum or a majority.

### *Preferred Shares*

We may issue non-voting preferred shares or preferred shares with one vote per share. The economic preferences and rights of our preferred shares will be determined at the shareholders' meeting authorizing the issue of the preferred shares. Non-voting preferred shares may vote one vote per share in the following circumstances: (i) if we are in default with respect to the payment of preferred share dividends, (ii) if the events described under Meetings of Shareholders Quorum and Voting Requirements occur, and (iii) if the preferred shares have been listed on a stock exchange and that listing is cancelled or suspended.

### *Liquidation*

The liquidation of our company may be carried out by our Board of Directors or by one or more liquidators appointed by the shareholders to wind up its affairs. In the event of liquidation, our assets will be applied to satisfy our debts and liabilities including liquidation expenses. Any remaining amounts will be distributed as follows: (i) the amount of the preferred shares issued shall be reimbursed at its paid-in, nominal value; (ii) the amount of common shares shall be reimbursed at their paid-in, nominal value; (iii) cumulative dividends in arrears on preferred shares shall be paid; and (iv) the remaining balance shall be distributed pro rata among all holders of common shares.

## **Changes in Shareholder Rights**

See Capital Stock Special Class Voting Rights above and Meetings of Shareholders below.

## **Meetings of Shareholders**

### *General*

Shareholders' meetings may be ordinary or extraordinary. We are required to hold an ordinary shareholders' meeting within four months of the close of each fiscal year to consider the approval of our financial statements, the allocation of net income for the fiscal year, the approval of the reports of the Board of Directors and the statutory audit committee and the election and remuneration of directors and members of the statutory audit committee. Other matters which may be considered at an ordinary meeting include the responsibility of directors and members of the statutory audit committee, capital increases and the issuance of certain corporate bonds. Extraordinary shareholders' meetings may be called at any time to consider matters beyond the authority of an ordinary meeting, including amendment of the by-laws, issuance of debentures, early dissolution, merger, spinoff, reduction of capital stock and redemption of shares, changing our company from one type of legal entity to another and limitation of shareholders' preemptive rights.

### *Notices*

Notice of shareholders' meetings must be published for five days in the Official Gazette of the Republic of Argentina, in an Argentine newspaper of wide circulation and in the publications of Argentine exchanges or securities markets in which our shares are traded, at least ten but not more than 30 days prior to the date on which the meeting is to be held. The notice must include information regarding the type of meeting to be held, the date, time and place of the meeting and the agenda. If there is no quorum at the meeting, notice for a meeting on second call must be

published for three days, at least eight days before the date of the second meeting, and must be held within 30 days of the date for which the first meeting was called. The first call and second call notices may be effected simultaneously in order for the meeting on second call to be held on the same day as the meeting on first call, but only in the case of ordinary shareholders meetings. Shareholders meetings may be validly held without notice if all shares of our outstanding capital stock are present and resolutions are adopted by unanimous vote.

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The Board of Directors will determine appropriate publications for notice outside Argentina in accordance with requirements of jurisdictions and exchanges where our shares are traded.

### *Quorum and Voting Requirements*

The quorum for ordinary meetings of shareholders on first call is a majority of the shares entitled to vote, and action may be taken by the affirmative vote of an absolute majority of the shares present that are entitled to vote on such action. If a quorum is not available, a second call meeting may be held at which action may be taken by the holders of an absolute majority of the shares present, regardless of the number of such shares. The quorum for extraordinary shareholders' meeting on first call is sixty percent of the shares entitled to vote, and if such quorum is not available, a second call meeting may be held, for which there are no quorum requirement.

Action may be taken at extraordinary shareholders' meetings by the affirmative vote of an absolute majority of shares present that are entitled to vote on such action, except that the approval of a majority of shares with voting rights (for these purposes, non-voting preferred shares shall have voting rights), without application of multiple votes, is required in both first and second call for: (i) the transfer of our domicile outside Argentina, (ii) a fundamental change of the corporate purpose set forth in the by-laws, (iii) our anticipated dissolution, (iv) the total or partial repayment of capital, (v) a merger of our company, if we are not the surviving entity, (vi) a spinoff of our company, or (vii) changing our corporate legal status.

Shareholders' meetings may be called by the Board of Directors or the members of the statutory audit committee whenever required by law or whenever they deem it necessary. Also, the board or the members of the statutory audit committee are required to call shareholders' meetings upon the request of shareholders representing an aggregate of at least five percent of our outstanding capital stock. If the board or the statutory audit committee fail to call a meeting following this request, a meeting may be ordered by the CNV or by the courts. In order to attend a meeting, a shareholder must deposit with us a certificate of book-entry shares registered in its name and issued by Caja de Valores at least three business days prior to the date on which the meeting is to be held. A shareholder may be represented by proxy. Proxies may not be granted to directors, members of the statutory audit committee or officers or employees of our company.

### *Conflict of Interest*

A shareholder who votes on a matter involving our company in which its interest conflicts with ours may, under Argentine law, be liable for damages to us resulting from its decision, but only if the transaction would not have been approved without its vote.

## **Limitations on Foreign Investment in Argentina**

Under the Argentine Foreign Investment Law, which as amended we refer to as the FIL, the purchase of stock by an individual or legal entity domiciled abroad or by a local company of foreign capital (as defined in the FIL) constitutes a foreign investment subject to the FIL. Foreign investments are generally unrestricted. However, foreign investments in certain industries are restricted to a certain percentage. No approval is necessary to purchase Class B shares. The FIL does not limit the right of non-resident or foreign owners to hold or vote Class B shares, and there are no restrictions in our by-laws limiting the rights of non-residents or non-Argentines to hold or vote our Class B shares.

However, General Resolution No. 7 passed in September 2003 by the Inspección General de Justicia, or I.G.J., set forth certain requirements for foreign entities registered with the I.G.J., such as disclosure information related to their proprietary interests in assets located outside Argentina are at least equivalent in value to those located inside Argentina. The entities must comply with these requirements in order to (i) perform activities on a regular basis

through their Argentine branches (Section 118 Argentine Corporate Law), or (ii) exercise their ownership rights in Argentine Companies (Section 123 Argentine Corporate Law). In cases where the I.G.J. has concluded that the entities (a) do not have assets outside Argentina; or (b) have non-current assets that are not materially significant compared to those non-current assets which are owned by them and located in Argentina; or (c) the entity's address in Argentina becomes the place where this entity makes a majority of its decisions, corporate or otherwise, the entities may be required to amend and register their by-laws to comply with Argentine law, thereby becoming an Argentine entity subject to Argentine law according to Section 124 of Argentine Corporate Law. In addition, Argentine companies with shareholders consisting of such entities that fail to comply with these requirements may be subject to the following sanctions; (i) the I.G.J. may not register corporate decisions adopted by the Argentine Company when its off-shore shareholder votes as a shareholder and when that vote is essential in attaining a majority and any decisions made pursuant to such vote related to the approval of its annual balance sheet may be declared null and void for administrative purposes; (ii) whether or not the vote of the off-shore entity is necessary for purposes of determining quorum or majority, the I.G.J. may register the decision without considering that vote; and (iii) the directors of the Argentine Company may be held personally liable for actions taken by the Argentine Company.

### **Change of Control**

In 2001, Argentina adopted Decree-Law No. 677/2001, which, among others, establishes an Optional Statutory System for Binding Public Offers which regulates the change of control of a public company. According to this decree-law, if a person or entity, either directly or indirectly, acquires a determined percentage of the voting shares of a public company with the intention of obtaining control, then that person or entity must publicly tender to purchase all of the target company's outstanding shares. Nevertheless, companies are free to opt out of the decree-law's requirements, provided they do so expressly in their by-laws. Our shareholders had been called for an extraordinary meeting to be held July 8, 2003 to consider the incorporation an opt-out provision in our by-laws. The

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same proposal was submitted to the shareholders of Petrobras Energía. Both General Special Shareholders Meetings approved the non-adherence to the Optional Statutory System. This non-adherence does not restrain the voluntary exercise of such an offering.

**COMPARISON OF NEW YORK STOCK EXCHANGE CORPORATE GOVERNANCE STANDARDS AND  
OUR  
CORPORATE GOVERNANCE PRACTICE**

On November 4, 2003, the NYSE established new corporate governance rules. Under these rules, foreign private issuers are subject to a more limited set of corporate governance requirements than U.S. domestic issuers. As a foreign private issuer, we must comply with three new NYSE rules: (i) we must (no later than July 31, 2005) satisfy the Audit Committee requirements of Rule 10A-3 under the Securities Exchange Act of 1934; (ii) our Chief Executive Officer must promptly notify NYSE in writing after an executive officer becomes aware of any material non-compliance with the applicable NYSE corporate governance rules; and (iii) we must provide a brief description of any significant difference between our corporate governance practices and those followed by U.S. companies under NYSE listing standards. As required by the NYSE, the table below discloses the significant differences between our corporate governance practices and the NYSE rules. Our corporate governance practices are described in further detail elsewhere in this annual report. See Item 6. Directors, Senior Management and Employees and Memorandum and Articles of Association.

<b>Section of the NYSE Listed Company Manual</b>	<b>New York Stock Exchange Corporate Governance Rules for Domestic Issuers</b>	<b>Our Practices</b>
<b>Director Independence</b>		
303A.01	<p>Listed companies must have a majority of independent directors. Controlled companies, which would include our company if it were a U.S. issuer, are exempt from this requirement. A controlled company is one in which more than 50% of the voting power is held by an individual, group or another company, rather than the public.</p> <p>A director is not independent if such director is:</p> <p>(i) a person who the board determines has a material direct or indirect relationship with the company, its parent or a consolidated subsidiary;</p>	<p>Argentine law does not require that the majority of the board members be independent. Only the majority of the directors on the Audit Committee must be independent.</p> <p>At our annual shareholders meeting, our shareholders determine in accordance with Resolution No. 368 of the CNV and Decree No. 677/01 whether or not each of our directors is independent based on the following criteria.</p> <p>A director is not independent if such director is:</p> <p>(i) a member of management or an employee of shareholders who hold significant interests in the issuer, or of other entities in which these shareholders hold either directly or indirectly significant</p>

(ii) an employee, or an immediate family member of an executive officer, of the company, its parent or a consolidated subsidiary, other than employment as interim chairman or CEO;

(iii) a person who receives, or whose immediate family member receives, more than U.S.\$100,000 per year in direct compensation from the company, its parent or a consolidated subsidiary, other than director and committee fees or deferred

interests or over which these shareholders exercise a significant influence;

(ii) an employee of the issuer or has been an employee in the last three years;

(iii) a person who has professional relations or is part of a company or professional association that maintains professional relations with, or that receives remunerations or fees (other than directors fees) from the issuer or from its shareholders that hold either directly or indirectly significant interests in or exercise a significant influence over the issuer, or

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	<p>compensation for prior services only (and other than compensation for service as interim chairman or CEO or received by an immediate family member for service as a non-executive employee);</p> <p>(iv) a person who is affiliated with or employed, or whose immediate family member is affiliated with or employed in a professional capacity, by a present or former internal or external auditor of the company, its parent or a consolidated subsidiary;</p> <p>(v) an executive officer, or an immediate family member of an executive officer, of another company whose compensation committee's membership includes an executive officer of the listed company, its parent or a consolidated subsidiary; or</p> <p>(vi) an executive officer or employee of a company, or an immediate family member of an executive officer of a company, that makes payments to, or receives payments from, the listed company, its parent or a consolidated subsidiary for property or services in an amount which, in any single fiscal year, exceeds the greater of U.S.\$1 million or 2% of such other company's consolidated gross revenues (charities are not included, but any such payments must be disclosed in the company's proxy (or, if no proxy is prepared, its Form 10-K/annual report)).</p> <p>There is a three-year cooling off period before non-independent directors can be considered independent.</p> <p>Immediate family member includes a person's spouse, parents, children, siblings,</p>	<p>from which such shareholders hold either directly or indirectly significant interests or exercise a significant influence;</p> <p>(iv) a person who is either directly or indirectly a holder of significant interests in the issuer or in an entity that has significant interests in or exercises a significant influence over the issuer;</p> <p>(v) the member is married or is a family member, up to fourth degree by blood or up to second degree by affinity, to an individual who would not qualify as independent; and</p> <p>(vi) a person who sells or provides either directly or indirectly goods or services to the issuer or to shareholders that hold either directly or indirectly significant interests in or exercise a significant influence over the issuer and receives compensation for such services that is substantially higher than that received as a director.</p> <p>Significant interests shall mean shareholdings that represent at least 35% of the capital stock of the relevant entity, or a smaller percentage when the person has the right to elect one or more directors by class of shares or by having entered into agreements with other shareholders relating to the governance and the management of the relevant entity or of its controlling shareholders.</p> <p>Nicolas Perkins, Roberto Alejandro Fortunati and Pablo Cavallaro are currently members of our Board of Directors who qualify as independent directors pursuant to the factors listed above.</p>



mothers and fathers-in-law, sons and daughters-in-law and anyone (other than domestic employees) who shares the person's home. Individuals who are no longer immediate family members due to legal separation, divorce or death (or incapacity) are excluded.

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303A.03	The non-management directors of each listed company must meet at regularly scheduled executive sessions without management.	Alberto da Fonseca Guimarães, Carlos Alberto Pereira de Oliveira, Rafael Fernández Morandé, Daniel Maggi, Héctor Daniel Casal, Luiz Augusto Marciano da Fonseca, Rui Antonio Alves da Fonseca and Luis Miguel Sas each, in addition to serving on our Board, have management positions. Our other eleven directors are non-management directors. The non-management directors do not meet at regularly scheduled executive sessions without the presence of the managerial directors. See Item 6. Directors, Senior Management and Employees Directors and Senior Management Board of Directors.

**Nominating/Corporate Governance Committee**

303A.04	Listed companies must have a nominating/corporate governance committee composed entirely of independent directors, with a written charter that covers certain minimum specified duties. Exception for controlled companies, which would include our company if it were a U.S. issuer.	Argentine law does not require the establishment of a nominating committee. We do not have a nominating committee.  We also do not have a corporate governance committee. Instead, the entire Board of Directors develops, evaluates and approves our corporate governance principles with the assistance of an advisory corporate governance committee formed by certain of our officers.
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**Management Resources and Compensation Committee**

303A.05	Listed companies must have a compensation committee composed entirely of independent directors, with a written charter that covers certain minimum specified duties. Exception for controlled companies, which would include our company if it were a U.S. issuer.	Argentine regulations do not require the establishment of a compensation committee. We do not have a compensation committee.
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**Audit Committee**

303A.06 303A.07

Listed companies must have an Audit Committee with a minimum of three independent directors that satisfy the independence requirements of Rule 10A-3 under the Exchange Act, with a written charter that covers certain minimum specified duties.

Our Audit Committee is an advisory committee to the Board of Directors. Argentine law requires that the audit committee be composed of three members from the Board of Directors (with a majority of independent directors), all of whom are well-versed in business, financial or accounting matters. We are not required to satisfy the audit committee requirements of Rule 10A-3 under the Exchange Act until July 31, 2005. The members of our audit committee will not need to satisfy the NYSE independence standards that

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are not required by Rule 10A-3. Nonetheless, our Audit Committee, established on May 7, 2004, is composed of three directors who each satisfy the independence requirements of Rule 10A-3. One member of the Audit Committee qualifies as a financial expert within the meaning of Item 16A of the Form 20-F. See Item 16A. Audit Committee Financial Expert.

Our Audit Committee is responsible for, among other things: (i) monitoring and evaluating the activities of the internal and external auditors, (ii) supervising the process for preparation of our financial statements, (iii) ensuring that our financial statements comply with applicable legal requirements, (iv) supervising the application of our disclosure policies with respect to our risk management practices, (v) providing the market with complete information with respect to transactions where members of corporate bodies or controlling shareholders of ours have conflicts of interest, and (vi) verifying compliance with applicable codes of conduct. See Item 6. Directors, Senior Management and Employees Board Practices Audit Committee.

Under Argentine law, the Board of Directors must present a proposal regarding the appointment of the external auditor to the shareholders meeting, and the shareholders must appoint the external auditor. The Audit Committee must issue an opinion on the Board of Director s proposal to the shareholders.

We also have an internal audit department.

In accordance with Argentine law, we also have established a Statutory Syndic

Committee that is comprised of three members and three alternate members, approved by our shareholders. Members of the Statutory Syndic Committee are not members of our Board of Directors. The primary responsibilities of the Statutory Syndic Committee are to monitor management's compliance with the Companies Law, our by-laws and the shareholders' resolutions. The Statutory Syndic Committee also performs other functions, including: (i) attending meetings of the Board of Directors and shareholders, (ii) calling extraordinary shareholders meetings when deemed necessary or when required by shareholders, in accordance with the Business Companies Law, No. 19550, (iii) presenting a report on the reports of the Board of Directors and the annual financial statements at regular shareholders' meetings, and (iv)

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**Equity Compensation Plans**

303A.08	Shareholders must be given the opportunity to vote on equity-compensation plans and material revisions thereto, with limited exemptions set forth in the NYSE rules.	<p>investigating written complaints of shareholders representing not less than 2% of the capital stock. See Item 6. Directors, Senior Management and Employees Board Practices Statutory Syndic Committee.</p> <p>Our Board of Directors approves the equity compensation plans for our executive officers and senior management. For a description of our stock option programs for our executive officers and senior management see Item 6. Directors, Senior Management and Employees Compensation.</p> <p>The Audit Committee issues an opinion on the reasonableness of the Board of Directors proposals regarding fees and executive equity compensation plans.</p>
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**Corporate Governance Guidelines**

303A.09	Listed companies must adopt and disclose corporate governance guidelines.	Corporate governance guidelines are not required by Argentine law, but the company has nonetheless adopted the practice of issuing corporate governance policies.
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**Code of Ethics for Directors, Officers and Employees**

303A.10	Listed companies must adopt and disclose a code of business conduct and ethics for directors, officers and employees, and promptly disclose any waivers of the code for directors or executive officers.	We have adopted a Code of Conduct and Business Ethics applicable to all employees. See Item 16B. Code of Ethics. Any amendment to the code will be disclosed on our web site at <a href="http://www.petrobrasenergia.com">www.petrobrasenergia.com</a> .
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**MATERIAL CONTRACTS**

We are party to a number of material financing agreements, including the underlying agreements for our Global Note Program, an assignment to an international lending institution of fees receivable in connection with the Oritupano Leona area and a letter of credit and reimbursement agreement entered into to backstop certain financial commitments related to our investment in OCP. These agreements and other financing agreements are described under Item 5. Operating and Financial Review and Prospects Liquidity and Capital Resources and Contractual Obligations.

In April 2004, Petrobras Energía and Enron reached an agreement with respect to their investments in CIESA and TGS. Pursuant to the agreement, Petrobras Energía and Enron agreed to release each other from all claims related to their investments in CIESA and TGS. In addition, in order to facilitate a future restructuring of

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CIESA's financial debt, both parties agreed to a two-stage transfer involving their equity interests in TGS and CIESA. In stage one, we will transfer our 7.35% direct interest in TGS to Enron, and, in stage two, CIESA will transfer a 4.3% interest in TGS to Enron. In exchange, Enron will place its shares of CIESA in trust, 40% in stage one and the remaining 10% in stage two. These transfers are subject to several conditions, one of which is approval by ENARGAS. See Item 4. Information About Us Hydrocarbon Marketing and Transportation Gas Transportation TGS.

Our agreements with related parties are described in Related Party Transactions under Item 7.

We also enter into a number of significant agreements in the ordinary course of our business, including an oil transportation agreement with OCP. This agreement is described in Risk Factors Production of oil in Block 31 in Ecuador is significantly delayed, and this delay has and will continue to affect our results. Further delays could result in an increase in our operating losses related to our group of assets in Ecuador under Item 3 and Oil and Gas Exploration and Production Exploration Ecuador under Item 4.

## **EXCHANGE CONTROLS**

The Argentine foreign exchange market was subject to exchange controls until December 1989. From 1989 to December 3, 2001, there were no foreign exchange controls preventing or restricting the conversion of pesos into U.S. dollars.

Since early December 2001, the Argentine authorities implemented a number of monetary and currency exchange control measures that included restrictions on the withdrawal of funds deposited with banks and strict restrictions for making transfers abroad, with the exception of those related to foreign trade and other authorized transactions. These regulations have been amended on a number of occasions since they were first promulgated and we cannot assure you as to how long these current regulations will be in effect or whether they will be made stricter.

Pursuant to resolutions issued by the Central Bank seeking a gradual normalization of the local foreign exchange market, effective January 8, 2003, prior authorization from the Central Bank is no longer required to transfer funds abroad for payment to foreign beneficiaries of corporate profits and dividends reported as payable under approved financial statements certified by an independent auditor.

In addition, for the remittance abroad of funds required for principal payments under financial loans, prior Central Bank authorization is no longer required as of May 6, 2003, provided such debts have been disclosed under the Informative Regime of External Debts (*Régimen Informativo de Pasivos Externos*).

Interest payments on outstanding financial indebtedness no longer require Central Bank approval for their remittance abroad, provided that the transfer abroad in connection with such payments is made not more than 15 days in advance of their stated maturity date.

## **TAXATION**

### **Argentine Taxes**

#### *General*

The following discussion describes the material Argentine tax matters relating to the acquisition, ownership and disposition of our ADSs or Class B shares.



The discussion describes the principal Argentine tax consequences of the acquisition, ownership and disposition of our ADSs or Class B shares, but it does not purport to be a comprehensive description of all of the Argentine tax considerations that may be relevant to your decision to acquire our ADSs or Class B shares. For purposes of the following discussion of Argentine tax law, the purchase, sale or disposition of ADSs is treated as a purchase, sale or disposition of Class B shares.

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The discussion is based upon tax laws of Argentina, regulations thereunder, and administrative and judicial interpretations thereof, as in effect on the date of this annual report and subject to change with possibly retroactive effect. In addition, the summary is based in part on representations of the depositary and assumes that each obligation provided for in, or otherwise contemplated by, the deposit agreement for our ADSs or any related document will be performed in accordance with its terms. Prospective purchasers of ADSs or Class B shares should consult their own tax advisors as to the Argentine or other tax consequences of the acquisition, ownership and disposition of our ADSs or Class B shares in their particular circumstances.

### *Income Tax*

#### *Capital Gains*

Sales or other dispositions of our Class B shares or ADSs by non-residents of Argentina or Argentine resident individuals or undivided estates located in Argentina are exempt from paying income tax on capital gains resulting from the sale. However, capital gains of legal entities domiciled in Argentina resulting from the sale or other disposition of our Class B shares or ADSs will be subject to income tax at a 35% rate. Argentine pension funds, investment funds and some foundations are not subject to income tax. There will be no withholding by us on account of this tax.

#### *Dividends*

If any dividend is paid to you on our Class B shares and ADSs that is from corporate earnings that have not already been subject to Argentine corporate income tax determined in accordance with general income tax regulations, we will be required to deduct and withhold Argentine income tax at a rate of 35% on the amount of the dividend paid by us.

However, so long as we distribute dividends to you on our Class B shares and ADSs that are derived from earnings of Petrobras Energía on which Argentine corporate income tax has been paid, we will not be required to withhold Argentine income tax on those dividends. Thus, we expect that dividends paid to you on our Class B shares and ADSs will not be subject to Argentine withholding tax under current Argentine law.

#### *Capital Reductions and other Distributions*

Capital reductions and redemptions of our Class B shares and ADSs are not subject to income tax up to an amount equivalent to the adjusted contributed capital corresponding to the Class B shares and ADSs to be redeemed plus accumulated taxable earnings after income taxes and dividends received. Any distribution exceeding this amount will be considered as a dividend for tax purposes and withholding tax would apply as described above.

#### *Tax on Personal Property*

Corporations, partnerships, establishments, financial trusts and other legal entities domiciled or located in Argentina are not subject to the personal assets tax.

Shareholdings or interests in companies governed by Law 19,550, that are held by individuals or undivided estates domiciled or located in Argentina or abroad, or by companies or other legal persons located abroad are subject to the personal assets tax. A company is liable for the personal assets tax payable by its shareholders in respect of their share ownership. A company liable for this tax payment will be entitled to seek reimbursement of the amount paid from the shareholders, by way of withholding or by foreclosing directly on the assets that gave rise to such payment. Consequently, we are liable to pay the personal assets tax in respect of our Class B shares and ADSs and we are entitled to seek reimbursement of the amount paid from the shareholders. The applicable tax rate is 0.50% on the

equity value of the shares, calculated as of December 31 of the year under consideration.

For purposes of the above paragraph, shareholdings or interests in companies governed by Law 19,550, the holders of which are companies or any other kinds of legal persons domiciled or located abroad, are presumed to

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indirectly belong to individuals domiciled abroad or to undivided estates located abroad. Contrary evidence is not accepted to rebut this presumption.

### *Other Taxes*

There is no inheritance, gift, succession or value-added taxes applicable to the ownership, transfer, exchange or disposition of our Class B shares or ADSs. There are no Argentine stamp, issue, registration or similar taxes or duties payable by holders of our Class B shares or ADSs.

There is no Argentine gross revenue tax applicable on our Class B shares or ADSs or on income obtained from the disposition of our Class B shares or ADSs.

Our Class B shares or ADSs owned by legal persons (corporations, partnerships, certain associations and non-financial trusts organized in Argentina and permanent establishments owned by foreign beneficiaries) are exempt from tax on minimum presumed income.

Commissions paid in brokerage transactions for the sale of our Class B shares on the Buenos Aires Stock Exchange are subject to a value-added tax at a rate of 21%.

## **United States Federal Income Taxes**

### *General*

The following discussion summarizes the United States federal income tax considerations relevant to the acquisition, ownership and disposition of ADSs or Class B shares by U.S. holders (as defined below). This discussion is based on the United States Internal Revenue Code of 1986, as amended (referred to as the Code), Treasury regulations promulgated or proposed under the Code, published rulings, and administrative and judicial interpretations of the Code and the Treasury regulations, all as of the date hereof, and all of which are subject to change, possibly with retroactive effect, and different interpretations. This summary is based in part on representations of the depositary and assumes that each obligation provided for in or otherwise contemplated by the deposit agreement for our ADSs or any related document will be performed in accordance with its terms. This discussion is addressed only to U.S. holders and does not address any United States federal income tax considerations that might be relevant to persons other than U.S. holders. Further, this discussion deals only with U.S. holders that hold ADSs as capital assets (generally, property held for investment) within the meaning of Section 1221 of the Code, and does not address the tax treatment of holders that may be subject to special tax rules, such as banks, insurance companies, tax-exempt organizations, brokers or dealers in securities or currencies, traders in securities that elect mark-to-market treatment, persons that hold the ADSs as part of a hedge, straddle, conversion transaction or other integrated investment, persons that hold ADSs or Class B shares through a partnership or other pass-through entity, U.S. holders who have a functional currency other than the U.S. dollar or U.S. holders that own or are treated as owning 10% or more of the voting power of our shares.

This discussion does not describe all aspects of United States federal income taxation that may be relevant to a particular investor in light of such investor's particular circumstances. U.S. holders should consult their own tax advisors as to the specific tax consequences of the acquisition, ownership and disposition of our ADSs or Class B shares, including the application and effect of United States federal, state, local, foreign and other tax laws and the possible effects of changes in United States federal or other tax laws.

In general, for United States federal income tax purposes, if you hold our ADSs, you will be treated as the beneficial owner of our Class B shares represented by those ADSs. For purposes of this discussion, you are a U.S.

holder if you are a beneficial owner of our Class B shares and you are, for United States federal income tax purposes, (a) an individual who is a citizen or resident of the United States, (b) a corporation (or other business entity created or organized in or under the laws of the United States or of any state or the District of Columbia treated as a corporation), or (c) otherwise subject to United States federal income taxation on a net income basis with respect to the ADSs or the Class B shares.

**Table of Contents***Taxation of our ADSs**Distributions*

Distributions we make on our ADSs and Class B shares will be treated as taxable dividends to you to the extent of our current and accumulated earnings and profits as determined under United States federal income tax principles. A dividend, generally, will be included in the gross income of a U.S. holder when the dividend is actually or constructively received by the depository. Such dividends will not be eligible for the dividends received deduction generally allowed to U.S. corporations in respect to dividends received from other U.S. corporations.

Subject to certain exceptions for short-term and hedged positions, the U.S. dollar amount of dividends received by an individual U.S. holder prior to January 1, 2009 with respect to the ADSs will be subject to taxation at a maximum rate of 15% if the dividends are qualified dividends. Dividends paid on the ADSs will be treated as qualified dividends if (i) the ADSs are readily tradable on an established securities market in the United States and (ii) we were not, in the year prior to the year in which the dividend was paid, and are not, in the year in which the dividend is paid, a passive foreign investment company ( PFIC ), foreign personal holding company ( FPHC ) or foreign investment company ( FIC ). The ADSs are listed on the New York Stock Exchange, and will qualify as readily tradable on an established securities market in the United States so long as they are so listed. Based on our audited financial statements and relevant market and shareholder data, we believe that we were not treated as a PFIC, FPHC or FIC for United States federal income tax purposes with respect to the 2003 taxable year. In addition, based on our audited financial statements and its current expectations regarding the value and nature of our assets, the sources and nature of our income, and relevant market and shareholder data, we do not anticipate becoming a PFIC, FPHC or FIC for the 2004 taxable year.

Based on existing guidance, it is not entirely clear whether dividends received with respect to the Class B shares will be treated as qualified dividends, because the Class B shares are not themselves listed on a U.S. exchange. In addition, the U.S. Treasury has announced its intention to promulgate rules pursuant to which U.S. holders of ADSs or common stock and intermediaries through whom such securities are held will be permitted to rely on certifications from issuers to establish that dividends are treated as qualified dividends. Because such procedures have not yet been issued, it is not clear whether we will be able to comply with them. U.S. holders of ADSs and Class B shares should consult their own tax advisors regarding the availability of the reduced dividend tax rate in the light of their own particular circumstances.

The amount of dividend income taxable to you generally will include the amount of Argentine taxes, if any, that we withhold (as described under " Argentine Taxes "). Thus, in the event such withholding taxes are imposed, you most likely will be required to report income in an amount greater than the cash you receive in respect of payments in respect of the ADSs. Subject to various limitations, you may be eligible to claim the Argentine income tax withheld in connection with any distribution on ADSs as a credit or deduction for purposes of computing your United States federal income tax liability. Foreign tax credits will not be allowed for withholding taxes imposed with regard to certain short-term or hedged positions in securities and may not be allowed with regard to arrangements in which a U.S. holder's expected economic profit is insubstantial. Dividends we pay in respect of our ADSs generally will be treated as foreign source income and generally will constitute passive income (or, in the case of certain U.S. holders, financial services income) for foreign tax credit purposes. Special rules will apply to the calculation of foreign tax credits in respect of dividend income that is subject to preferential rates of United States federal income tax pursuant to recently enacted legislation. U.S. holders should consult with their own tax advisors with regard to the availability of foreign tax credits and the application of the foreign tax credit limitations to their particular situation.

If a dividend is paid in pesos, the amount you must include in gross income will be the U.S. dollar value of the distributed pesos, as determined on the date of receipt by the depository, regardless of whether the payment is in fact

converted into U.S. dollars at that time. You will have a tax basis in such pesos for United States federal income tax purposes equal to the U.S. dollar value on the date of such receipt. Any subsequent gain or loss in respect of such pesos arising from exchange rate fluctuations will be ordinary income or loss and will be treated as income from U.S. sources for foreign tax credit purposes.

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It is unlikely that you will be able to claim a foreign tax credit for any Argentine personal property tax (as described in Argentine Taxes ), but you may be able to deduct such tax in computing your United States federal income tax liability, subject to applicable limitations.

*Sale, Exchange or other Disposition*

Deposits and withdrawals of our Class B shares by U.S. holders in exchange for our ADSs will not result in the realization of gain or loss for United States federal income tax purposes.

Upon a sale, exchange or other disposition of our ADSs, a U.S. holder generally will recognize capital gain or loss equal to the difference between the amount realized on such disposition (which, in the event of a redemption, will include any amount withheld by us in respect of Argentine taxes imposed on such redemption) and your adjusted tax basis in our ADSs (which, generally, is the U.S. dollar cost thereof). Any gain that you recognize generally will be treated as U.S. source income for United States foreign tax credit purposes. Consequently, if a withholding tax is imposed on such gain, you will not be able to use any corresponding tax credit unless you have other foreign source income of the appropriate type in respect of which the credit may be used. Your net capital gains may be taxed at reduced rates if you are an individual and your holding period for our ADSs is more than one year.

*Backup Withholding*

The information reporting requirements of the Code generally will apply to distributions to you. Subject to certain exceptions, backup withholding at a rate of 28% may apply to payments of dividends on our ADSs and to payments of the proceeds of a sale or exchange of the ADSs that are made to a non-corporate U.S. holder if such holder fails to provide a correct taxpayer identification number or otherwise comply with applicable requirements of the backup withholding rules. The backup withholding tax is not an additional tax and may be credited against a U.S. holder's United States federal income tax liability, provided that correct information is provided to the Internal Revenue Service. U.S. holders should consult their own tax advisors regarding their qualification for exemption from backup withholding and the procedure for obtaining such exemption, if applicable.

**DOCUMENTS ON DISPLAY**

We file reports, including annual reports on Form 20-F, and other information with the Securities and Exchange Commission pursuant to the rules and regulations of the SEC that apply to foreign private issuers. You may read and copy any materials filed with the SEC at its public reference rooms in Washington, D.C., at 450 5th Street, N.W., Washington, D.C. 20549. Please call the SEC at 1-800-SEC-0330 for further information on the public reference room. As a foreign private issuer, we were not required to make filings with the SEC by electronic means prior to November 4, 2002, although we were permitted to do so. Any filings we make electronically will be available to the public over the Internet at the SEC's web site at <http://www.sec.gov>.



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**Item 11. QUANTITATIVE AND QUALITATIVE DISCLOSURES ABOUT MARKET RISK**

The following qualitative and quantitative information is provided about our exposure to market risks derived from the ordinary course of business.

This analysis comprises statements about future events which may not occur and may imply risks and uncertainties. Actual results may significantly differ due to several factors.

**Qualitative Disclosures**

Our results of operations and financial condition are exposed to three principal market risk categories: (i) commodity price risk, (ii) foreign currency exchange rate risk, and (iii) interest rate risk. We periodically review the risks associated with our businesses at a senior management level, based on an approach that has evolved from an independent analysis of each business unit to a risk management strategy that focuses on measuring and monitoring the risks that affect our overall portfolio of assets. We believe our risk management strategy mitigates risks related to the volatility of the prices of crude oil and crude oil by-products, supports our capital expenditure plans and protects our return on investment related to certain capital projects.

Financial hedging is a tool that we employ to mitigate the volatility of our results and cash flow resulting from fluctuations in the price of crude oil and its by-products.

These financial operations expose us to credit risk. We apply strict requirements for the approval of lines of credit, apply several procedures to assess such risks and seek to reduce our credit exposure by using certain tools (such as agreements for collateral advance payment or collection of such operations and the offset of collections and payments). Such financial instruments are entered into subject to strict restrictions set by our senior management. The results of hedging operations are periodically reviewed by management in order to confirm they remain effective and relevant, consistent with market conditions. Such instruments are entered into in accordance with the goals of our market risk management strategy.

The boards of directors of our affiliates formulate their relevant risk management policies.

*Commodity Price Risk.* In the Oil and Gas Exploration and Production, Refining, and Petrochemicals businesses we are exposed to market risk in relation to price volatility, mainly of crude oil and by-products. We regularly evaluate the opportunity to enter into derivative transactions to mitigate our exposure to changes in the price of crude oil and crude oil by-products.

We use several derivative financial instruments to reduce this exposure. Historically, we have prioritized a risk strategy that, principally through swaps and producer collars, was designed to set crude oil sale prices at certain intervals. As a result, the results of hedging derivative instruments were generally offset by changes in crude oil sale prices. This policy, although it proved effective to comply with the proposed objectives, especially in 1998 when oil prices were at all time lows, has prevented us from benefiting from price increases.

Since 2002, we have increased the use of option contracts within our crude oil prices hedging strategy. These contracts provide greater flexibility, provide protection against a drop in prices and allow the possibility for us to benefit from a high price scenario. Simultaneously, this strategy limits the financial risk associated with the collateral requirements of swaps and producers collars.

The chart below provides information as of December 31, 2003, regarding derivative contracts entered into by us in connection with our exposure to commodity price risks.

*Foreign Exchange Risk.* Our results of operations and financial condition are sensitive to changes in the exchange rate between the Argentine peso and other foreign currencies.

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As of December 31, 2003, all of our financial debt and a significant portion of our affiliates' debt was denominated in U.S. dollars.

Historically, exposure of the Argentine peso to the U.S. dollar had not been hedged since under the Convertibility Law, effective as of 1991, the BCRA was obliged to sell U.S. dollars at a rate of exchange not exceeding one peso per U.S. dollar. In the economic, financial and regulatory scenario prevailing as of December 31, 2001, our cash flow generation provided us with a natural hedge for our U.S. dollar-exposure, since a significant portion of our and our subsidiaries' income was directly or indirectly denominated in U.S. dollars.

On January 6, 2002, the Argentine Government enacted the Public Emergency Law that changed the convertibility system in force, which severely affected our U.S. dollar-denominated operating cash flow. Measures such as the pesification of utility rates previously denominated in U.S. dollars and their subsequent renegotiation, the implementation of new taxes on hydrocarbon exports and the enforcement of policies limiting our ability to increase our peso-denominated prices to maintain our operating cash flows when measured in U.S. dollars, negatively affected our ability to hedge the impact of the peso devaluation on the financial cost of our U.S. dollar-denominated debt.

As of the second half of 2002, domestic prices of the main commodities have significantly recovered in line with export prices. In addition, we have aggressively pursued a trade policy of consolidation and opening of export markets to capitalize on domestic and export price asymmetries. In the light of the above and the strength of our foreign operations with a cash flow primarily denominated in U.S. dollars, our exposure to peso fluctuations has dropped and we have substantially recovered our ability to naturally hedge our cash exposure to U.S. dollar liabilities.

*Interest Rate Risks.* Interest rate risk management mainly aims at reducing overall financial costs and adjusting our exposure to risk.

In order to reduce interest rate volatility, we, by means of the application of mathematical models that incorporate historical volatility and correlation analyses, permanently evaluate the opportunity to enter into derivative instruments.

As of December 31, 2003, we maintained an interest rate risk hedging contract aimed at managing the risk related to LIBO rate volatility from our Class C notes, fixing the respective interest rate at 7.93% per annum. As a result of this hedging contract, as of December 31, 2003, approximately 63% our total financial debt was subject to fixed rates and 37% was subject to variable rates. The variable rate debt is mainly linked to the LIBO rate. This risk, however, is mitigated by the natural hedge provided by the portion of fees received for production activities in the Oritupano-Leona area and by certain financial assets, with cash flows determined by LIBO or a similar rate.

## **Quantitative Disclosure**

The chart below provides quantitative information about our derivative financial instruments and other financial instruments as of December 31, 2003, that are sensitive to changes in commodity prices, interest rates and foreign exchange rates.

**Table of Contents***Commodity Price Risk:*

	<b>Collections (Payments)</b>			
	<b>Expected Maturity</b>			<b>Estimated Fair Value</b>
	<b>2004</b>	<b>2005</b>	<b>Total</b>	
<b>Sales Price Exposure</b>				
<i>Crude oil price swaps</i> <sup>(2)</sup>				
Contract volumes (million barrels)	4.1		4.1	
Average settlement prices (U.S.\$ per barrel)	18.64			
Notional amount (U.S.\$ million)	77		77	
Expected cash flow (U.S.\$ million) <sup>(1)</sup>	(52)		(52)	(52)
<i>Swap options</i> <sup>(3)</sup>				
Contract volumes (million barrels)	6.9	7.3	14.2	
Average settlement price (U.S.\$ per barrel)	19.00	19.00		
Notional amount (U.S.\$ million)	131	139	270	
Expected cash flow (U.S.\$ million) <sup>(1)</sup>	(75)	(65)	(140)	(135)

(1) The expected cash flow was calculated based on the closing price of future contracts of Light Sweet Crude Oil on the New York Mercantile Exchange as of December 31, 2003.

(2) These transactions are swaps, which were originally issued as options that have been exercised by the counterparty.

(3) These transactions are sold consumer swaptions.

*Foreign Currency Exchange Rate Risk and Interest Rate Risk:*

	<b>Expected Maturity (millions of pesos)</b>						<b>Estimated Fair Value</b>	
	<b>2004</b>	<b>2005</b>	<b>2006</b>	<b>2007</b>	<b>2008</b>	<b>Thereafter</b>		<b>Total</b>
Short- and long-term debt								
U.S. dollars fixed rate	635	471	15	831	11	1,853	3,816	3,887
Average interest rate (%)	8.0	7.9	9.0	8.9	5.6	8.6		
Variable rate	419	500	465	453	37	373	2,247	2,246
Average interest rate (%)	5.1	5.2	5.2	5.3	6.5	3.2		

	<u>      </u>	<u>      </u>	<u>      </u>	<u>      </u>	<u>      </u>	<u>      </u>	<u>      </u>	<u>      </u>
Total	1,054	971	480	1,284	48	2,226	6,063	6,134
	<b>_____</b>	<b>_____</b>	<b>_____</b>	<b>_____</b>	<b>_____</b>	<b>_____</b>	<b>_____</b>	<b>_____</b>

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**Item 12. DESCRIPTION OF SECURITIES OTHER THAN EQUITY SECURITIES**

Not applicable.

**Item 13. DEFAULTS, DIVIDEND ARREARAGES AND DELINQUENCIES**

No events required to be reported have occurred.

**Item 14. MATERIAL MODIFICATIONS TO THE RIGHTS OF SECURITYHOLDERS AND USE OF PROCEEDS**

None.

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**Item 15. CONTROLS AND PROCEDURES**

(a) We carried out an evaluation under the supervision and with the participation of our management, including our chief executive officer and chief financial officer, of the effectiveness of the design and operation of our disclosure controls and procedures, as of December 31, 2003. There are inherent limitations to the effectiveness of any system of disclosure controls and procedures, including the possibility of human error and the circumvention or overriding of the controls and procedures. Accordingly, even effective disclosure controls and procedures can only provide reasonable assurance of achieving their control objectives. Based upon our evaluation, our chief executive officer and chief financial officer concluded that the disclosure controls and procedures as of December 31, 2003 were effective to provide reasonable assurance that information required to be disclosed in the reports we file and submit under the Securities Exchange Act of 1934, as amended, is recorded, processed, summarized and reported as and when required.

(b) There has been no change in our internal control over financial reporting during 2003 that has materially affected, or is reasonably likely to materially affect, our internal control over financial reporting.

**Table of Contents****Item 16A. AUDIT COMMITTEE FINANCIAL EXPERT**

At the Board of Directors meeting on May 7, 2004, our Directors determined and designated that Cedric Bridger is an audit committee financial expert within the meaning of this Item 16A.

**Item 16B. CODE OF ETHICS**

We have adopted a code of ethics, as defined in Item 16B of this annual report on Form 20-F. Our code of ethics applies to our chief executive officer, chief financial officer, chief accounting officer, and persons performing similar functions as well as to our directors and other officers and employees. Our code of ethics is available on our web site at <http://www.petrobrasenergia.com>.

**Item 16C. PRINCIPAL ACCOUNTANT FEES AND SERVICES****Audit and Non-Audit Fees**

Fees for professional services provided to us by our independent auditors, Pistrelli, Henry Martin y Asociados S.R.L., a member firm of Ernst & Young Global and other member firms of Ernst & Young Global, during the fiscal years ended December 31, 2002 and 2003 in each of the following categories are:

	<b>Year ended December 31,</b>	
	<b>2002</b>	<b>2003</b>
	<b>(in thousands of pesos)</b>	
Audit fees	3,209	4,333
Audit-related fees	1,685	2,323
Tax fees	68	238
	<hr/>	<hr/>
Total fees	4,962	6,894
	<hr/>	<hr/>

*Audit fees.* Audit fees in the above table are mainly for in connection with the audit of our annual financial statements and the review of our quarterly reports, statutory audits of subsidiaries, and comfort letters.

*Audit-related fees.* Audit-related fees in the above table are mainly for audit reports required by the parent company and reviews of our (a) internal controls of our application systems, and (b) security of our technical infrastructure.

*Tax fees.* Tax fees in the above table are fees mainly for tax compliance and tax advice.

**Audit Committee Pre-Approval Policies and Procedures**

The Audit Committee must pre-approve all services provided by the external auditors to ensure the auditors



independence and compliance with all applicable legal restrictions. Pre-approval is either general or specific in nature. All services that are predictable and recurrent in nature, which can be performed in a reasonably foreseeable time frame and at a cost that can be reasonably estimated may be approved by the Audit Committee in a general fashion on an annual basis. Services to be pre-approved on a general basis must be described in sufficient detail so that their scope is readily apparent. This description must also include an estimate of the fees payable for such services. Specific pre-approval is required for any services not subject to general pre-approval and/or exceeding the estimated cost of those services. Detailed, written descriptions of any proposed services must be delivered to the administrative manager, who will determine whether such services have already been pre-approved and bring to the Audit Committee's attention those services that have not been pre-approved. Any doubts as to the scope of a pre-approved service must be resolved exclusively by the Audit Committee. Prior to Audit Committee meetings and at least three times a year, the administrative manager must provide a report on all services provided by the external auditor and related fees to the Audit Committee. The Audit Committee is also required to

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periodically discuss with the external auditors the services they provide to us and our affiliates and the compensation they receive for those services.

**Item 16D. EXEMPTIONS FROM THE LISTING STANDARDS FOR AUDIT COMMITTEES.**

*Not applicable.*

**Item 16E. PURCHASES OF EQUITY SECURITIES BY THE ISSUER AND AFFILIATED PURCHASERS.**

*Not applicable.*

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**Item 17. FINANCIAL STATEMENTS**

We have responded to Item 18 in lieu of responding to this Item.

**Item 18. FINANCIAL STATEMENTS**

Reference is made to pages F-1 to F-100 of this annual report.

**Table of Contents****Item 19. EXHIBITS**

<b>Exhibit No.</b>	<b>Description</b>
1.1	English translation of Estatutos (by-laws) of Petrobras Energía Participaciones S.A.
2.1	Reference is made to the following Exhibits on file with the Securities and Exchange Commission contained in Petrobras Energía Participaciones S.A.'s Registration Statement on Form F-4 (333-11130) filed with the Commission on November 15, 1999: Exhibit No. 4.2, Form of Deposit Agreement among Petrobras Energía Participaciones S.A. (formerly PC Holdings S.A.), Citibank, N.A., as depository, and the Holders and Beneficial Owners of American Depositary Shares evidenced by American Depositary Receipts issued thereunder, including the form of American Depositary Receipt; Exhibit No. 4.3, English translations of letters from members of the Perez Compañía family to Petrobras Energía Participaciones S.A. (formerly PC Holdings S.A.) whereby such persons agree not to acquire an interest in certain entities; and Exhibit No. 4.4, English translation of Assignment Agreement among Class A shareholders and Petrobras Energía Participaciones S.A. (formerly PC Holdings S.A.) regarding the partial assignment of dividends to Class B shareholders.
2.2	Trust Deed dated June 29, 1993 between Compañía Naviera Perez Compañía S.A.C.F.I.M.F.A. and Citicorp Trustee Company Limited.*
2.3	Supplemental Trust Deed dated January 13, 1995 among Compañía Naviera Perez Compañía S.A.C.F.I.M.F.A., Citicorp Trustee Company Limited and others, Second Supplemental Trust Deed dated September 11, 1995 among Compañía Naviera Perez Compañía S.A.C.F.I.M.F.A., Citicorp Trustee Company Limited and others, Third Supplemental Trust Deed dated January 9, 1996 among Petrobras Energía Participaciones S.A., Citicorp Trustee Company Limited and others, Fourth Supplemental Trust Deed dated May 2, 1996 among Petrobras Energía Participaciones S.A., Citicorp Trustee Company Limited and others, Fifth Supplemental Trust Deed dated January 8, 1997 between Petrobras Energía Participaciones S.A. and Citicorp Trustee Company Limited, Sixth Supplemental Trust Deed dated May, 1997 between Petrobras Energía Participaciones S.A. and Citicorp Trustee Company Limited, Seventh Supplemental Trust Deed dated December 21, 1998 between Petrobras Energía Participaciones S.A. and Citicorp Trustee Company Limited, Eighth Supplemental Trust Deed dated November 28, 2000 between Petrobras Energía and Citicorp Trustee Company Limited, each relating to the Trust Deed dated June 29, 1993.*
2.4	Form of U.S.\$193,450,000 Restricted Global Note and Form of U.S.\$106,550,000 Unrestricted Global Note, related to Petrobras Energía's 9% notes due 2004.*
2.5	Form of U.S.\$323,500,000 Restricted Global Note and Form of U.S.\$76,500,000 Unrestricted Global Note, related to Petrobras Energía's 8.125% notes due 2007.*
2.6	Indenture dated May 1, 1998 between Petrobras Energía Participaciones, S.A. and Citibank, N.A., as Trustee.*
2.7	Form of U.S.\$92,200,000 Restricted Global Note and Form of U.S.\$107,800,000 Unrestricted Global Note, related to Petrobras Energía's 9% Series B Notes due 2006.*

- 2.8 Third Supplemental Indenture dated July 17, 2001, to the Indenture dated May 1, 1998 and filed hereto as Exhibit 2(b)(v), among Petrobras Energía, Citibank N.A. as Trustee, Co-Security Registrar, Authenticating Agent and Transfer Agent in New York, Citibank N.A. acting through its Buenos Aires branch, as Security Registrar and Transfer Agent in Argentina, Bankers Trust Company as Administrative Agent, Calculation Agent, Paying Agent and Oil Agent, Deutsche Bank AG, London

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<b>Exhibit No.</b>	<b>Description</b>
	Branch, as Oil Purchaser and Deutsche Bank S.A. as Paying Agent in Argentina.*
2.9	Sixth Supplemental Indenture dated as of July 26, 2002, to the Indenture dated as of May 1, 1998, between Petrobras Energía and Citibank, N.A. **
2.10	Ninth Supplemental Trust Deed dated July 31, 2002, to the Trust Deed dated June 29, 1993, between Petrobras Energía S.A and Citicorp Trustee Company Limited. **
2.11	Amended and Restated Indenture, dated August 1, 2002, amending and restating the Indenture dated May 1, 1998, between Petrobras Energía and Citibank, N.A. **
2.12	First Supplemental Indenture dated as of October 4, 2002 to the Amended and Restated Indenture dated as of August 1, 2002 filed, among Petrobras Energía S.A., as Issuer, The Bank of New York, as Trustee, Co-Security Registrar, Authenticating Agent, Paying Agent and Transfer Agent in New York, Banco Rio de la Plata S.A., as Security Registrar, Argentine Paying Agent and Transfer Agent in Argentina and JPMorgan Chase, as Administrative Agent and Calculation Agent, for the creation of the Short Term Floating Rate Trade Series J Notes due 2003.**
2.13	Second Supplement Indenture dated as of October 4, 2002 to the Amended and Restated Indenture dated as of August 1, 2002, among Petrobras Energía, as Issuer, The Bank of New York, as Trustee, Co-Security Registrar, Authenticating Agent, Paying Agent and Transfer Agent in New York, Banco Rio de la Plata S.A., as Security Registrar, Argentine Paying Agent and Transfer Agent in Argentina and JPMorgan Chase, as Administrative Agent and Calculation Agent, for the creation of the Long Term Floating Rate Trade Series K Notes due 2007. **
2.14	Third Supplemental Indenture dated as of October 4, 2002 to the Amended and Restated Indenture dated as of August 1, 2002, among Petrobras Energía, as Issuer, The Bank of New York, as Trustee, Co-Security Registrar, Authenticating Agent, Paying Agent and Transfer Agent in New York, Banco Rio de la Plata S.A., as Security Registrar, Argentine Paying Agent and Transfer Agent in Argentina and JPMorgan Chase, as Administrative Agent and Calculation Agent, for the creation of the Short Term Floating Rate Working Capital Series L Notes due 2003. **
2.15	Fourth Supplemental Indenture dated as of October 4, 2002 to the Amended and Restated Indenture dated as of August 1, 2002, among Petrobras Energía, as Issuer, The Bank of New York, as Trustee, Co-Security Registrar, Authenticating Agent, Paying Agent and Transfer Agent in New York, Banco Rio de la Plata S.A., as Security Registrar, Argentine Paying Agent and Transfer Agent in Argentina and JPMorgan Chase, as Administrative Agent and Calculation Agent, for the creation of the Long Term Floating Rate Working Capital Series M Notes due 2007. **
4.1	Oil Marketing and Delivery Agreement dated July 17, 2001 between Petrobras Energía as Issuer and Deutsche Bank AG, London Branch, as Oil Purchaser; and Crude Oil Purchase and Delivery Contract dated July 17, 2001 among Petrobras Energía, as Issuer, Deutsche Bank AG, London Branch, as Oil Purchaser and Bankers Trust Company as Oil Agent and as Administrative Agent.*
4.2	

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Contrato de Cesión dated December 14, 2001, among Petrobras Energía de Venezuela, S.A., Corod Producción, S.A., Petrobras Energía and Banco Latinoamerica de Exportaciones, S.A., with an English summary.\*

- 4.3 Long-Term Incentive Plan for executive officers and senior managers approved in May 2000 together with an English summary attached thereof, filed with the Commission on June 18, 2001 as Exhibit 4(c) to our annual report on Form 20-F, and incorporated herein by reference. \*\*
- 4.4 Letter of Credit Issuance and Reimbursement Agreement dated October 2, 2002 among Petrobras Energía S.A., the Lenders named therein, the Issuing Banks named therein, and JPMorgan Chase Bank,

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<b>Exhibit No.</b>	<b>Description</b>
	as Letter of Credit Administrative Agent. **
4.5	Master Settlement and Mutual Release Agreement dated as of April 16, 2004 among Petróleo Brasileiro S.A., Petrobras Energia, Petrobras Hispano Argentina S.A., Enron Corp., Enron Argentina Ciesa Holding S.A., Enron Pipeline Company Argentina S.A., and Podnerosa Assets, L.P.
8.1	List of significant subsidiaries of Petrobras Energía as defined in Rule 1-02(w) of Regulation S-X.
12.1	CEO Certification pursuant to Section 302 of the Sarbanes-Oxley Act of 2002, dated June 30, 2004.
12.2	CFO Certification pursuant to Section 302 of the Sarbanes-Oxley Act of 2002, dated June 30, 2004.
13.1	CEO and CFO Certification furnished pursuant to Section 906 of the Sarbanes-Oxley Act of 2002, dated June 30, 2004.

\*Incorporated herein by reference to our annual report for the year ended December 31, 2001 filed on June 28, 2002.

\*\* Incorporated herein by reference to our annual report for the year ended December 31, 2002 filed on June 30, 2003.

Omitted from the exhibits filed with this annual report are certain instruments and agreements with respect to our long-term debt, none of which authorizes securities in a total amount that exceeds 10% of our total assets. We hereby agree to furnish to the SEC copies of any such omitted instruments or agreements as the SEC requests.



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**SIGNATURES**

The registrant hereby certifies that it meets all of the requirements for filing on Form 20-F and that it has duly caused and authorized the undersigned to sign this annual report on its behalf.

PETROBRAS ENERGÍA  
PARTICIPACIONES S.A.

By:           /s/ Alberto Guimarães          

Name: Alberto Guimarães  
Title: Chief Executive Officer

By:           /s/ Luis Miguel Sas          

Name: Luis Miguel Sas  
Title: Chief Financial Officer

Date: June 30, 2004

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**REPORT OF INDEPENDENT REGISTERED PUBLIC ACCOUNTING FIRM**

To the Board of Directors of  
Petrobras Energía Participaciones S.A.:

1. We have audited the accompanying consolidated balance sheets of Petrobras Energía Participaciones S.A. (an Argentine Corporation) and its subsidiaries as of December 31, 2003 and 2002, and the related consolidated statements of income, changes in shareholders' equity and cash flows for each of the three years in the period ended December 31, 2003. Those financial statements are the responsibility of the Company's management. Our responsibility is to express an opinion on those financial statements based on our audits.
2. The financial statements of the affiliates Compañía Inversora en Transmisión Eléctrica Citelec S.A., Compañía de Inversiones de Energía S.A. and Transportadora de Gas del Sur S.A. as of and for the years ended December 31, 2003 and 2001 and the financial statements of the affiliate Distrilec Inversora S.A. as of and for the year ended December 31, 2003, have been audited by other auditors whose reports have been furnished to us, and our opinion, insofar as it relates to the amounts included for those affiliates, is based on the reports of the other auditors. Those financial statements, for the affiliates which have been proportionally consolidated, reflect assets constituting 27% as of December 31, 2003, and net sales constituting 16% for 2003 and 12 % for 2001 of the Company's respective consolidated totals, and the Company's investment and equity in the net income of the other affiliates is stated at Argentine pesos 325,000,000 as of December 31, 2003 and Argentine pesos 139,000,000 for 2003 and 29,000,000 for 2001. Certain reports of other auditors include a paragraph referring to going concern uncertainties as explained in paragraph 7.
3. We conducted our audits in accordance with the standards of the Public Company Accounting Oversight Board (United States). Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free of material misstatements. An audit includes examining, on a test basis, evidence supporting the amounts and disclosures in the financial statements. An audit also includes assessing the accounting principles used and significant estimates made by management, as well as evaluating the overall financial statement presentation. We believe that our audits and the reports of other auditors provide a reasonable basis for our opinion.
4. As described in note 3, in accordance with the regulations of the National Securities Commission, the Company has not recognized the effects of the variations in the purchasing power of the Argentine Peso from March 1, 2003 to September 30, 2003, and has not discounted the nominal values of its deferred tax assets and liabilities as required by accounting principles generally accepted in Argentina. The effects of such matters in the financial position as of December 31, 2003 and results of operations for the year then ended have not been quantified by the Company.
5. In our opinion, based on our audits and on the reports of other auditors referred to in paragraph 2, the consolidated financial statements referred to above present fairly, in all material respects, the consolidated financial position of Petrobras Energía Participaciones S.A. and its subsidiaries as of December 31, 2003 and 2002 and the results of their operations and their cash flows for each of the three years in the period ended December 31, 2003, in conformity with the Business Association Law and the pertinent regulations of the National Securities Commission, and except for the effect of the matters discussed in paragraph 4, with generally accepted accounting principles in Argentina, which differ in certain respects from U.S. generally accepted accounting principles to the extent discussed in notes 22 through 24.

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6. As discussed in note 3, effective January 1, 2003 the Company adopted new accounting pronouncements related to certain valuation and disclosure matters. As required by accounting principles generally accepted in Argentina, the Company has restated prior period financial statements presented for comparative purposes to reflect the changes in accounting principles.
7. The financial statements and the reports of the other auditors of the affiliates Compañía Inversora en Transmisión Eléctrica Citelec S.A., Compañía de Inversiones de Energía S.A. and Transportadora de Gas del Sur S.A. as of and for the years ended December 31, 2003 and 2001, stated that they have been prepared assuming that such affiliates will continue as going concerns. Those statements, for the affiliates which have been proportionally consolidated, reflect assets constituting 17% as of December 31, 2003 and net sales constituting 8% for 2003 and 12 % for 2001 of the Company's respective consolidated totals, and the Company's investment and equity in the net income of the other affiliates is stated at Argentine pesos 325,000,000 as of December 31, 2003 and Argentine pesos 139,000,000 for 2003 and 29,000,000 for 2001. As discussed in note 9, such affiliates have been negatively impacted by the Argentine Government's adoption of various economic measures including the de-dollarization of revenue rates, the renegotiation of License and Concession contracts and the devaluation of the Argentine peso. In addition, such affiliates have suspended the payment of their financial debt. These circumstances raise substantial doubt about the affiliates' ability to continue as going concerns. The affiliates' managements' plans in regard of these matters are also described in note 9. The accompanying consolidated financial statements do not include any adjustments that might result from the outcome of this uncertainty.

Buenos Aires, Argentina

June 11, 2004

PISTRELLI, HENRY MARTIN Y ASOCIADOS S.R.L.

(Member firm of Ernst & Young Global)

/s/ Daniel G. Minenna

DANIEL G. MINENNA

Partner

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**REPORT OF INDEPENDENT REGISTERED PUBLIC ACCOUNTING FIRM  
(English translation of the report originally issued in Spanish)**

To the Chairman and Directors of  
**Distrilec Inversora S.A.**

1. We have audited:

- a) The accompanying balance sheet of Distrilec Inversora S.A. as of December 31, 2003, and the related statements of income, changes in shareholders' equity and cash flows for the year then ended.
- b) The accompanying consolidated balance sheet of Distrilec Inversora S.A. and its subsidiary Empresa Distribuidora Sur Sociedad Anónima (EDESUR S.A.) as of December 31, 2003 and the related consolidated statements of income and cash flows for the year then ended, included in Chart I as supplementary accounting information.

These financial statements are the responsibility of the Company's Board of Directors. Our responsibility is to express an opinion on these financial statements based on our audit conducted with the scope described in paragraph 2.

2. We conducted our audit in accordance with standards of the Public Company Accounting Oversight Board (United States of America). Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements, taken as a whole, are free of material misstatements. An audit includes examining, on a test basis, evidence supporting the amounts and disclosures in the financial statements. An audit also includes assessing the accounting principles used and significant estimates made by Company's Management, as well as evaluating the overall financial statement presentation.

3. In our opinion:

- a) The financial statements mentioned in paragraph 1.a) present fairly, in all material respects, the financial position of Distrilec Inversora S.A. as of December 31, 2003, the results of its operations, the evolution of its shareholders' equity and its cash flows for the year then ended, in accordance with accounting principles generally accepted in Argentina approved by the Professional Council of Economic Sciences of the City of Buenos Aires.

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2.

- b) The financial statements mentioned in paragraph 1.b) present fairly, in all material respects, the consolidated financial position of Distrilec Inversora S.A. and its subsidiary Empresa Distribuidora Sur Sociedad Anónima (EDESUR S.A.) as of December 31, 2003, the consolidated results of their operations and their consolidated cash flows for the year then ended, in accordance with accounting principles generally accepted in Argentina approved by the Professional Council of Economic Sciences of the City of Buenos Aires.
4. The financial statements as of and for the year ended December 31, 2002, presented for comparative purposes, were audited by other independent auditors who issued their audit report with an unqualified opinion on February 7, 2003. The information as of and for the year ended December 31, 2002 has been modified by the Company's Management in order to comply with the changes in the accounting principles generally accepted in Argentina mentioned in note 2.II to the stand alone financial statements and has been restated in constant currency up to February 2003.
5. Accounting principles generally accepted in Argentina vary in certain significant respects from accounting principles generally accepted in the United States of America. Application of accounting principles generally accepted in the United States of America would have affected the determination of the shareholders' equity as of December 31, 2003 and the results of operations for the year then ended to the extent summarized in note 11 to the consolidated financial statements. Certain additional information required by the Securities and Exchange Commission (SEC), prepared in conformity with accounting principles generally accepted in the United States of America, was included in note 12 to the consolidated financial statements.

Buenos Aires, February 9, 2004.

**DELOITTE & Co. S.R.L.**

/s/ Carlos A. Lloveras

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**Report of Independent Registered Public Accounting Firm**

To the Board of Directors and Shareholders of  
Compañía Inversora en Transmisión Eléctrica Citelec S.A.:

We have audited the accompanying consolidated balance sheets of Compañía Inversora en Transmisión Eléctrica Citelec S.A. and its subsidiaries as of December 31, 2003 and 2002, and the related consolidated statements of operations, of changes in shareholders' equity and of cash flows for each of the three years in the period ended December 31, 2003. These financial statements are the responsibility of the Company's management. Our responsibility is to express an opinion on these financial statements based on our audits.

We conducted our audits in accordance with the standards of the Public Company Accounting Oversight Board (United States). Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free of material misstatement. An audit includes examining, on a test basis, evidence supporting the amounts and disclosures in the financial statements. An audit also includes assessing the accounting principles used and significant estimates made by management, as well as evaluating the overall financial statement presentation. We believe that our audits provide a reasonable basis for our opinion.

As discussed in Note 3.a. to the consolidated financial statements, in order to comply with regulations of the legal control authorities, the Company discontinued inflation accounting as from March 1, 2003 as well as recognized deferred income tax assets and liabilities on a non-discounted basis. The application of these regulations represent a departure from accounting principles generally accepted in Argentina, which require inflation accounting be discontinued as from October 1, 2003 and the recognition of deferred income tax assets and liabilities on a discounted basis. The Company has not quantified the impact of such a departure.

In our opinion, except for the effects of not recognizing inflation accounting until September 30, 2003 and not discounting deferred tax assets and liabilities as discussed in the preceding paragraph, the consolidated financial statements referred to above present fairly, in all material respects, the financial position of Compañía Inversora en Transmisión Eléctrica Citelec S.A. and its subsidiaries at December 31, 2003 and 2002, and the results of their operations and their cash flows for each of the three years in the period ended December 31, 2003 in conformity with accounting principles generally accepted in Argentina.

The accompanying consolidated financial statements have been prepared assuming that the Company will continue as a going concern. As discussed in Note 2, during 2002 the Company was negatively impacted by the devaluation of the Argentine Peso and the Argentine Government adoption of various economic measures, including the conversion of dollar-denominated tariffs to Argentine pesos at an exchange rate of Ps.1 = US\$ 1. As a result of these circumstances, the Company did not comply with certain restrictive covenants contained in its debt agreements and suspended the payment of its financial debts. These circumstances raise substantial doubt about the Company's ability to continue as a going concern. Management plans in regard to these matters are also described in Note 2. The accompanying consolidated financial statements do not include any adjustments that might result from the outcome of this uncertainty.

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As discussed in Note 3.d. to the consolidated financial statements, effective January 1, 2003 the Company adopted new accounting pronouncements related to valuation and disclosure criteria. As required by accounting principles generally accepted in Argentina, the Company has restated its prior period financial statements presented for comparative purposes to reflect the adopted changes in accounting principles, except for certain valuation and disclosure criteria that in accordance with the transition provisions have been applied prospectively.

Accounting principles generally accepted in Argentina vary in certain significant respects from accounting principles generally accepted in the United States of America and as allowed by Item 17 to Form 20-F. Information relating to the nature and effect of such differences is presented in Note 15 to the consolidated financial statements.

PRICE WATERHOUSE & Co.

by /s/ Miguel A. Urus (Partner)

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Miguel A. Urus

Buenos Aires, Argentina.  
June 11, 2004

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**REPORT OF INDEPENDENT REGISTERED PUBLIC ACCOUNTING FIRM**

To the Board of Directors and Shareholders of  
Compañía de Inversiones de Energía S.A.

We have audited the accompanying consolidated balance sheets of Compañía de Inversiones de Energía S.A. and its subsidiaries at December 31, 2003 and 2002, and the related consolidated statements of income, of changes in shareholders' equity and of cash flows for each of the three years in the period ended December 31, 2003. These financial statements are the responsibility of the Company's management. Our responsibility is to express an opinion on these financial statements based on our audits.

We conducted our audits of these financial statements in accordance with the standards of the Public Company Accounting Oversight Board (United States). Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free of material misstatement. An audit includes examining, on a test basis, evidence supporting the amounts and disclosures in the financial statements. An audit also includes assessing the accounting principles used and significant estimates made by management as well as evaluating the overall financial statement presentation. We believe that our audits provide a reasonable basis for our opinion.

As indicated in Notes 2.c. and 2.h., the Company has discontinued the restatement of financial statements into constant currency as from March 1, 2003 and has recorded deferred income tax assets and liabilities on a non-discounted basis as required by resolutions issued by the *Comisión Nacional de Valores* ( CNV ). Since generally accepted accounting principles in Argentina require companies to prepare price-level restated financial statements through September 30, 2003 and to recognize deferred taxes on a discounted basis, the application of the CNV resolutions represent a departure from generally accepted accounting principles in Argentina.

In our opinion, except for the effects of the matters described in the preceding paragraph, the consolidated financial statements referred to above present fairly, in all material respects, the financial position of Compañía de Inversiones de Energía S.A. and its subsidiaries at December 31, 2003 and 2002, and the results of their operations and their cash flows for each of the three years in the period ended December 31, 2003 in conformity with accounting principles generally accepted in Argentina.

The accompanying consolidated financial statements have been prepared assuming that the Company will continue as a going concern. As indicated in Notes 5 and 6, the Company has been negatively impacted by the deterioration of the Argentine economy, the devaluation of the Argentine peso and the Argentine government's adoption of various economic measures including the violation of the contractually-agreed License terms. In view of these circumstances, the Company has not been able to maintain the financial ratios required by its outstanding debt agreements and in May, 2003 had announced the suspension of payment on its financial debt. These circumstances raise substantial doubt about the Company's ability to continue as a going concern. Management's plans in regard to these matters are also described in Notes 5 and 6. The accompanying consolidated financial statements do not include any adjustments that might result from the outcome of this uncertainty.

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Accounting principles generally accepted in Argentina vary in certain significant respects from the accounting principles generally accepted in the United States of America and as allowed by Item 18 to Form 20-F. Information relating to the nature and effect of such differences is presented in Note 11 to the consolidated financial statements.

/s/ Héctor A. López  
PRICE WATERHOUSE & CO.  
Héctor A. López (Partner)  
Buenos Aires, Argentina  
June 11, 2004

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**REPORT OF INDEPENDENT REGISTERED PUBLIC ACCOUNTING FIRM**

To the Board of Directors and Shareholders of  
Transportadora de Gas del Sur S.A.

We have audited the accompanying consolidated balance sheets of Transportadora de Gas del Sur S.A. and its subsidiary at December 31, 2003 and 2002, and the related consolidated statements of income, of changes in shareholders' equity and of cash flows for each of the three years in the period ended December 31, 2003. These financial statements are the responsibility of the Company's management. Our responsibility is to express an opinion on these financial statements based on our audits.

We conducted our audits of these financial statements in accordance with the standards of the Public Company Accounting Oversight Board (United States). Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free of material misstatement. An audit includes examining, on a test basis, evidence supporting the amounts and disclosures in the financial statements. An audit also includes assessing the accounting principles used and significant estimates made by management as well as evaluating the overall financial statement presentation. We believe that our audits provide a reasonable basis for our opinion.

As indicated in Notes 2.c and 2.h, the Company has discontinued the restatement of financial statements into constant currency as from March 1, 2003 and has recorded deferred income tax assets and liabilities on a non-discounted basis as required by resolutions issued by the *Comisión Nacional de Valores* ( *CNV* ). Since generally accepted accounting principles in Argentina require companies to prepare price-level restated financial statements through September 30, 2003 and to recognize deferred taxes on a discounted basis, the application of the CNV resolutions represent a departure from generally accepted accounting principles in Argentina.

In our opinion, with the exceptions of the matters described in the preceding paragraph, the consolidated financial statements referred to above present fairly, in all material respects, the financial position of Transportadora de Gas del Sur S.A. and its subsidiary at December 31, 2003 and 2002, and the results of their operations and their cash flows for each of the three years in the period ended December 31, 2003 in conformity with accounting principles generally accepted in Argentina.

The accompanying consolidated financial statements have been prepared assuming that the Company will continue as a going concern. As indicated in Notes 5 and 6, the Company has been negatively impacted by the deterioration of the Argentine economy, the Argentine government's adoption of various economic measures including the violation of the contractually-agreed License terms and the devaluation of the Argentine peso. In view of these circumstances, the Company has not been able to maintain the financial ratios required by its outstanding debt agreements and in May, 2003 had announced the suspension of payment on its financial debt. These circumstances raise substantial doubt about the Company's ability to continue as a going concern. Management's plans in regard to these matters are also described in Notes 5 and 6. The accompanying consolidated financial statements do not include any adjustments that might result from the outcome of this uncertainty.

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Accounting principles generally accepted in Argentina vary in certain significant respects from the accounting principles generally accepted in the United States of America and as allowed by Item 18 to Form 20-F. Information relating to the nature and effect of such differences is presented in Note 11 to the consolidated financial statements.

/s/ Héctor A. López  
PRICE WATERHOUSE & CO.  
Héctor A. López (Partner)  
Buenos Aires, Argentina  
June 11, 2004

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**PETROBRAS ENERGÍA PARTICIPACIONES S.A. AND SUBSIDIARIES**  
**CONSOLIDATED STATEMENTS OF INCOME**  
**FOR THE YEARS ENDED DECEMBER 31, 2003, 2002 AND 2001**  
(Stated in millions of Argentine pesos See Note 2.c)

	<u>2003</u>	<u>2002</u>	<u>2001</u>
Net sales	5,494	5,106	5,170
Costs of sales (Note 27.c)	(3,386)	(3,284)	(3,347)
Gross profit	2,108	1,822	1,823
Administrative and selling expense (Note 27.e)	(559)	(609)	(665)
Exploration expenses (Note 27.e)	(196)	(58)	(41)
Other exploitation (expenses) income, net (Note 17.c)	(121)	(28)	23
Exploitation income	1,232	1,127	1,140
Equity in earnings of affiliates (Note 9.b)	163	(638)	119
Financial income (expense) and holding gains (losses) Generated by assets:			
Interest	65	88	91
Exchange difference	(155)	1,986	82
Gain from remeasurement and translation		3,742	
Loss due to exposure to inflation	(27)	(2,967)	
Holding gains (losses) and income from sale of shares	98	(15)	(1)
Other financial income, net	10	22	2
	(9)	2,856	174
Generated by liabilities:			
Interest	(623)	(882)	(612)
Exchange difference	554	(10,402)	(89)
Loss from remeasurement and traslation		(2,242)	
Gain due to exposure to inflation	67	9,472	
Derivatives	(294)	(524)	8
Other financial expense, net	(112)	(105)	(54)
Other expenses, net (Note 17.d)	(408)	(4,683)	(747)
	(421)	(187)	(88)
Income (loss) before income tax and minority interest in subsidiaries	557	(1,525)	598
Income tax provision	(18)	(82)	(385)
Minority interest in subsidiaries	(158)	28	(112)

Net income (loss)	381	(1,579)	101
	<u>          </u>	<u>          </u>	<u>          </u>
Earnings (losses) per share    Stated in Argentine pesos	0.179	(0.744)	0.048
	<u>          </u>	<u>          </u>	<u>          </u>

The accompanying notes are an integral part of these consolidated financial statements.

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**PETROBRAS ENERGÍA PARTICIPACIONES S.A. AND SUBSIDIARIES**  
**CONSOLIDATED BALANCE SHEETS AS OF DECEMBER 31, 2003 AND 2002**  
(Stated in millions of Argentine pesos See Note 2.c)

	<u>2003</u>	<u>2002</u>
<b>CURRENT ASSETS</b>		
Cash	153	93
Investments (Note 9.a)	802	664
Trade receivables	886	784
Other receivables (Note 17.a)	861	734
Inventories (Note 8)	319	356
Other assets	3	178
	<u>3,024</u>	<u>2,809</u>
<b>NONCURRENT ASSETS</b>		
Trade receivables	36	21
Other receivables (Note 17.a)	131	220
Inventories (Note 8)	61	39
Investments (Note 9.a)	1,284	1,103
Property, plant and equipment (Note 27.a)	11,559	10,433
Other assets	43	24
	<u>13,114</u>	<u>11,840</u>
Total noncurrent assets	<u>13,114</u>	<u>11,840</u>
Total assets	<u>16,138</u>	<u>14,649</u>
<b>CURRENT LIABILITIES</b>		
Accounts payable	860	651
Short-term debt (Note 12)	3,204	1,543
Payroll and social security taxes	93	76
Taxes payable	172	133
Reserves (Note 14.f)	44	28
Other liabilities (Note 17.b)	379	344
	<u>4,752</u>	<u>2,775</u>
Total current liabilities	<u>4,752</u>	<u>2,775</u>
<b>NONCURRENT LIABILITIES</b>		
Accounts payable	7	9

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Long-term debt (Note 12)	5,098	6,130
Payroll and social security taxes	6	25
Taxes payable	11	120
Other liabilities (Note 17.b)	262	496
Reserves (Note 14.f)	277	86
	<u>          </u>	<u>          </u>
Total noncurrent liabilities	5,661	6,866
	<u>          </u>	<u>          </u>
Total liabilities	10,413	9,641
	<u>          </u>	<u>          </u>
<b>TRANSITORY DIFFERENCES</b>		
Measurement of derivative financial instruments determined as effective hedge	(18)	
Foreign currency translation	(56)	
	<u>          </u>	<u>          </u>
Total transitory differences	(74)	
	<u>          </u>	<u>          </u>
<b>MINORITY INTEREST IN SUBSIDIARIES</b>		
	966	556
	<u>          </u>	<u>          </u>
<b>SHAREHOLDERS EQUITY (Per respective statements)</b>		
	4,833	4,452
	<u>          </u>	<u>          </u>
	16,138	14,649
	<u>          </u>	<u>          </u>

The accompanying notes are an integral part of these consolidated financial statements.



Table of Contents**PETROBRAS ENERGÍA PARTICIPACIONES S.A. AND SUBSIDIARIES****STATEMENTS OF CHANGES IN SHAREHOLDERS' EQUITY****FOR THE YEARS ENDED DECEMBER 31, 2003, 2002 AND 2001**

(Stated in millions of Argentine pesos See Note 2.c)

	2003						2002	2001	
	Capital stock			Retained earnings					
	Capital stock	Adjustment to capital stock	Additional paid-in capital	Legal reserve	Unappropriated retained earnings	Treasury stock (a)	Total	Total	
<b>Balances at beginning of the year</b>	2,132	2,554	664	37	(541)	(33)	4,813	6,014	5,952
Change in balances at beginning of the year due to changes in accounting method (Note 3)					(361)		(361)	17	132
Adjusted balances at beginning of the year	2,132	2,554	664	37	(902)	(33)	4,452	6,031	6,084
Special Shareholders Meeting decision of April 4, 2003 and April 9, 2001:									
Distribution of unappropriated retained earnings									
- Cash dividends									(134)
- Negative retained earnings absorption			(504)	(37)	541				
Acquisition of own stock held by subsidiary									(20)
Net income (loss)					381		381	(1,579)	101
<b>Balances at end of the year</b>	<b>2,132</b>	<b>2,554</b>	<b>160</b>		<b>20</b>	<b>(33)</b>	<b>4,833</b>	<b>4,452</b>	<b>6,031</b>

(a) See Note 4.m).

The accompanying notes are an integral part of these consolidated financial statements.



**Table of Contents****PETROBRAS ENERGÍA PARTICIPACIONES S.A. AND SUBSIDIARIES****CONSOLIDATED STATEMENTS OF CASH FLOW (a)  
FOR THE YEARS ENDED DECEMBER 31, 2003, 2002 AND 2001  
(Stated in millions of Argentine pesos - See Note 2.c)**

	<u>2003</u>	<u>2002</u>	<u>2001</u>
<b>Cash provided by (used in) operations:</b>			
Net income (loss)	381	(1,579)	101
<b>Reconciliation to net cash provided by (used in) operating activities:</b>			
Minority interest in subsidiaries	158	(28)	112
Equity in earnings of affiliates	(163)	638	(119)
Financial (Income) expense, net	(585)	140	
Dividends collected (Note 9.c)	26	20	55
Depreciation and depletion of property, plant and equipment	1,016	1,051	877
Impairment of Ecuadorian assets	309	63	
Loss (income) from sale of oil and gas areas and participation in joint ventures	27	(41)	65
Income from assets exchange			(251)
Impairment of allocated purchased price related to CIESA			202
Impairment of assets	64	96	
Impairment of unproved oil and gas properties	180	17	
Debt restructuring		17	
Income tax provision	18	82	385
Income tax paid	(48)	(27)	(196)
Accrued interest	598	878	520
Interest paid	(488)	(814)	(526)
Other	(7)	87	111
<b>Changes in assets and liabilities:</b>			
Trade receivables	(115)	208	(13)
Other receivables	411	44	59
Inventories	(12)	(70)	(1)
Other assets	73		
Accounts payable	(66)	(16)	150
Payroll and social security taxes	17	(34)	15
Taxes payable	(9)	75	(167)
Other liabilities	61	362	347
	<u>1,846</u>	<u>1,169</u>	<u>1,726</u>
Payments in advance	(493)	(459)	
	<u>1,353</u>	<u>710</u>	<u>1,726</u>
<b>Cash provided by (used in ) investing activities:</b>			
Acquisition of property, plant and equipment and interest in companies and oil and gas areas	(829)	(674)	(2,009)

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Net (increase) decrease in investments other than cash and cash equivalents	(97)	32	(86)
Contributions and advances to unconsolidated affiliates	(12)	(127)	(56)
Sales of investments	20	593	227
Other	3	(6)	
	<u>          </u>	<u>          </u>	<u>          </u>
<b>Net cash used in investing activities</b>	<b>(915)</b>	<b>(182)</b>	<b>(1,924)</b>
	<u>          </u>	<u>          </u>	<u>          </u>
<b>Cash provided by (used in) financing activities:</b>			
Net (decrease) increase in short-term debt	(196)	(193)	1,022
Payments of long-term debt	(646)	(1,762)	(1,290)
Increase in long-term debt	591	130	1,408
Acquisition of own stock			(21)
Cash dividends paid		(2)	(223)
	<u>          </u>	<u>          </u>	<u>          </u>
<b>Net cash used in financing activities</b>	<b>(251)</b>	<b>(1,827)</b>	<b>896</b>
	<u>          </u>	<u>          </u>	<u>          </u>
<b>Devaluation and inflation effect on cash</b>	<b>(88)</b>	<b>755</b>	
	<u>          </u>	<u>          </u>	<u>          </u>
<b>Increase (decrease) in cash</b>	<b>99</b>	<b>(544)</b>	<b>698</b>
<b>Cash and cash equivalents at beginning</b>			
Cash and cash equivalents at beginning	725	1,334	565
Additions (deductions) of cash and cash equivalents at beginning from proportional interest in CIESA	103	(65)	71
	<u>          </u>	<u>          </u>	<u>          </u>
<b>Cash and cash equivalents at end</b>	<b>927</b>	<b>725</b>	<b>1,334</b>
	<u>          </u>	<u>          </u>	<u>          </u>

(a) Cash and cash equivalents include highly liquid, temporary cash investments with original maturities of three months or less when purchased.

The accompanying notes are an integral part of these consolidated financial statements.

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**PETROBRAS ENERGÍA PARTICIPACIONES S.A. AND SUBSIDIARIES**  
**NOTES TO THE CONSOLIDATED FINANCIAL STATEMENTS**  
**FOR THE YEAR ENDED DECEMBER 31, 2003, 2002 AND 2001**  
**(Amounts stated in millions of Argentine pesos see Note 2.c, unless otherwise indicated)**

**1. Business of the Company and change of corporate name**

Petrobras Energía Participaciones S.A. (hereinafter Petrobras Participaciones or The Company ) is an integrated energy company, focused on oil and gas exploration and production, refining, petrochemical activities, generation, transmission and distribution of electricity and sale and transmission of hydrocarbons. It has businesses in Argentina, Bolivia, Brazil, Ecuador, Peru and Venezuela. Petrobras Energía Participaciones has a significant share of the regional energetic market.

The Company s Special and Regular Shareholders Meeting held on April 4, 2003, approved the change of corporate name from Perez Companc S.A. to Petrobras Energía Participaciones S.A. This change in corporate name remained subject to the Comisión Nacional de Defensa de la Competencia (CNDC, Argentine anti-trust authorities) approving the transaction whereby Petrobras Participaciones SL purchased stock representing a majority interest in the Company.

In addition, the Regular and Special Shareholders Meeting of Petrobras Energía S.A. held on April 4, 2003, approved the change of corporate name from Pecom Energía S.A. to Petrobras Energía S.A, also subject to the approval mentioned above.

The CNDC approved the transaction on May 13, 2003. Pursuant to this resolution, Petrobras Energía undertook to divest of all of its equity interest in Transener S.A., in accordance with Law No. 24,065 that provides the Electric Power Regulatory Framework; such process is subject to supervision by the ENRE and the approval of the Federal Department of Energy. There is no period established for the divestiture.

Effective with the CNDC approval, Petrobras Participaciones became a majority-owned subsidiary of Petroleo Brasileiro S.A.-Petrobras.

On July 4, 2003, the IGJ (regulatory agency of business associations) granted its approval for and registered both changes of corporate name, which were also approved by the CNV on June 9, 2003.

**2. Basis of presentation**

The Petrobras Energía Participaciones S.A. consolidated financial statements have been prepared in accordance with the regulations of the Argentine Securities Commission ( Comisión Nacional de Valores or CNV ) and except for the matters described in Note 3, with Accounting Principles Generally Accepted in Buenos Aires City, Argentina ( Argentine GAAP ).

Certain disclosures related to formal legal requirements for reporting in Argentina have been omitted for purposes of these consolidated financial statements, since they are not required for the United States Securities and Exchange Commission ( SEC ) reporting purposes.

The preparation of financial statements in conformity with Argentine GAAP requires management to make estimates and assumptions that affect the reported amounts of assets and liabilities and disclosure of contingent assets and liabilities as of the date of the financial statements and the reported amounts of revenues and expenses during the reporting period. While it is believed that such estimates are reasonable, actual results could differ from those estimates.

*a) Basis of consolidation*

In accordance with the procedure set forth in Technical Resolutions No. 4 and 19 of the FACPCE (Argentine Federation of Professional Councils in Economic Sciences), Petrobras Participaciones has consolidated line by line its financial statements with the financial statements of the companies over which Petrobras Participaciones exercises exclusive or joint control. Joint control exists where all the shareholders,

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or only the shareholders owning a majority of votes, have resolved, on the basis of written agreements, to share the power to define and establish a company's operating and financial policies.

In the consolidation of controlled companies, the amount of the investment in such subsidiaries and the interest in their income (loss) and cash flows are replaced by the aggregate assets, liabilities, income (loss) and cash flow of such subsidiaries, reflecting separately all minority interests in the subsidiaries. Related party receivables, payables and transactions within the consolidated group are eliminated. The unrealized intercompany gains (losses) from transactions within the consolidated group have been completely eliminated.

In the consolidation of companies over which the Company exercises joint control, the amount of the investment in the company under joint control and the interest in its income (loss) and cash flows are replaced by the Company's proportional interest in the company's assets, liabilities, income (loss) and cash flows. Related party receivables, payables and transactions within the consolidated group and companies under joint control have been eliminated in the consolidation pro rata to the shareholding of the controlling company.

The data about the companies over which the Company exercises control, joint control or significant influence are disclosed in Note 27.f).

Companies under joint control includes the interests in Distrilec Inversora S.A., Compañía de Inversiones de Energía S.A. and Compañía Inversora en Transmisión Eléctrica S.A. ( Citelec S.A ). As of December 31, 2003, 2002 and 2001, the Company has not consolidated proportionally the interests in Citelec S.A. taking into account the commitment to divest of such equity interest as described in Note 1. In order to preserve the information's comparability, the Company did not proportionally consolidate line by line, in its comparative financial statements, the assets, liabilities, income (loss) and cash flows of Citelec S.A. As of December 31, 2002, the Company did not proportionally consolidate on a line-by-line basis the assets, liabilities, income (loss) and cash flows of CIESA since, as of that date, such equity interest was stated at zero value.

*b) Foreign Currency translation*

The Company applies the translation method established by Technical Resolution no. 18 of the FACPCE for the translation of financial statements of foreign subsidiaries, affiliates, branches and joint ventures.

In the opinion of the Company's Management, the transactions carried out abroad have been classified as not integrated to the Company's transactions in Argentina. Such transactions are not an extension of the Company's transactions due to, among others, the following reasons:

- a) transactions with the Company are not a high proportion of the entity's activities abroad;
- b) activities of foreign businesses are partially financed with funds from their own transactions and with local loans;
- c) sales, workforce, materials and other costs of goods and services related to transactions abroad are settled mainly in a currency other than the currency of the investor's financial statements; and
- d) Company's cash flows are independent from the day-to-day activities of the foreign business and are not directly affected by the size or frequency of the activities of foreign business.

Upon applying the translation method, first the foreign operations are remeasured into US dollars (functional currency for such operations), as follows:

Assets and liabilities stated at current value are converted at the closing exchange rates.

Assets and liabilities measured at historical values and the income (loss) are converted at historical exchange rates.

After the operations are remeasured into US dollars, they are translated into Argentine pesos as follows:

Assets and liabilities are translated by using the closing exchange rate.

Income (loss) is translated at the historical exchange rates.

The translation effect arising from the translation of the financial statements is disclosed in the Transitory differences -foreign currency translation account.



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The above also applies to exchange differences arising from liabilities in foreign currency that are designated as a hedge the net investment in the foreign entity.

### *c) Restatement in constant money*

The Company presents its consolidated financial statements in constant money following the restatement method established by Technical Resolution No. 6 of the FACPCE and in accordance with CNV General Resolutions No. 415 and 441.

Under such method, the consolidated financial statements integrally recognize the effects of the changes in the purchasing power of Argentine peso through August 31, 1995. As from September 1, 1995, under CNV General Resolution No. 272, the Company interrupted the use of such method maintaining the restatements made through such date. This method has been accepted by professional accounting standards through December 31, 2001.

On March 6, 2002, the CPCECABA (Professional Council in Economic Sciences of the City of Buenos Aires) approved Resolution MD No. 3/2002 providing, among other things, the reinstatement of the adjustment-for-inflation method for the interim periods or years ended as from March 31, 2002, allowing for the accounting measurements restated based on the change in the purchasing power of the peso through the interruption of adjustments, such as those whose original date is within the stability period, to be stated in pesos as of December 2001. Through General Resolution No. 415 dated July 25, 2002, the CNV required that the information related to the financial statements to be filed after the date on which the regulation became effective be disclosed adjusted for inflation.

The restatement in constant pesos method is applied to the accounting cost values immediately preceding the capitalization of the exchange differences mentioned in note 4.o), which represent an anticipation of the effects of variances in the purchasing power of the Argentine peso, which will be subsequently absorbed by the restatement in constant pesos of the assets indicated in such note.

On March 25, 2003, the Federal Executive issued Executive Order No. 664 establishing that the financial statements for years ending as from such date be filed in nominal currency. Consequently, and under CNV Resolution No. 441, the Company no longer applied inflation accounting as from March 1, 2003. This method is not in accordance with professional accounting standards effective in the city of Buenos Aires. The CPCECABA, through Resolution N° 287/03 discontinued the application of the restatement method as from October 1, 2003.

Amounts, and the income (loss) for the years ended December 31, 2002 and 2001 presented for comparative purposes result from restating the amounts in the financial statements as of such date following the guidelines indicated in the paragraph above.

### *d) Accounting for the transactions of oil and gas exploration and production joint ventures and foreign branches*

The Company's interests in oil and gas involve exploration and production joint ventures and have been proportionally consolidated. Under this method, the Company recognizes its proportionate interest in the joint ventures' assets, liabilities, revenues, costs and expenses on a line-by-line basis in each account of its financial statements. Foreign branches have been fully consolidated.

## **3. New accounting standards**

These financial statements have been prepared in accordance with professional Argentine GAAP and the applicable CNV regulations, except for:

a) valuation of deferred tax at nominal value without applying any discounted values, as required by CNV General Resolution No. 434.

b) the non recognition of the restatement in constant money provided for in FACPCE Technical Resolution No. 6, as described in note 2.c).

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As from January 1, 2003, FACPCE Technical Resolutions Nos. 16, 17, 18, 19, and 20, approved as amended by the CPCECABA and adopted by the CNV through its General Resolution No. 434. These new technical resolutions are a consequence of the process whereby Argentine professional accounting standards are being made consistent with the international accounting standards issued by the International Accounting Standards Committee (IASC); in addition, they provide clarification for certain issues which had not been provided for in past regulations.

The main changes included in the technical resolutions, that have resulted in significant effects on the Company's financial statements, are: (i) guidelines regarding the recognition, measurement, and disclosure of derivatives and hedging transactions; (ii) amendment of the method to translate the financial statements of foreign subsidiaries stated in foreign currency; (iii) the mandatory requirement to apply the deferred tax method to recognize income tax; (iv) measurement of asset and liability amounts on discounted bases; (v) changes in the frequency and method to compare assets with the recoverable values thereof; (vi) incorporation of guidelines to assess whether certain transactions including financial instruments, irrevocable capital contributions and preferred stock, among others, should be classified as liabilities or shareholders' equity; (vii) incorporation of new disclosure requirements including proportional consolidation of companies under joint control, change in the disclosure of direct sales revenues, information by segment, earnings per share, and the comparative information to be disclosed.; viii) disbursements for maintenance costs, which may be allocated to the income for the period when they are made or capitalized, as appropriate.

The Company amended the method used to recognize future estimated abandonment costs in oil & gas areas. Consistently with Statement of Financial Accounting Standards ( SFAS ) N° 143 guidelines, such costs discounted at a rate estimated upon initial measurement are capitalized together with the assets from which they originate and are depreciated by the production units method. In addition, a liability is recognized on such account at the estimated value of the amounts payable discounted at a rate estimated in its initial measurement.

Adopting new accounting standards has resulted in income in the amount of 74, (378) and (115) for the years ended December 31, 2003, 2002 and 2001, respectively, and a 361 and 22 reduction to retained earnings at the beginning of the fiscal years ended on December 31, 2002 and 2001, respectively, as disclosed below:

	<b>Gains (losses)</b>				
	<b>Income for</b>			<b>Retained earnings as of December 31,</b>	
	<b>2003</b>	<b>2002</b>	<b>2001</b>	<b>2002</b>	<b>2001</b>
Derivatives financial instruments (1)	(133)	(334)	8	(417)	(83)
Foreign currency translation (2)	55				
Future abandonment costs (3)		15	(1)	45	30
Labor costs	18	19	(7)	(24)	(43)
Effects on affiliates		18	1	(8)	(26)
Maintenance expenses (4)				16	16
Discounted effect of nominal values of assets and liabilities (5)	13	(4)		(4)	
Deferred tax (6)	(27)	(92)	(116)	31	123

(74)	(378)	(115)	(361)	17
■	■	■	■	■

(1) Previously, the fair value of such instruments was not booked but the related income (loss) was recorded in income when losses and/or gains occurred as a result of the hedged position. Premiums paid were capitalized and amortized over the term of the option.

(2) Previously, gains (losses) on foreign currency translation were charged to income.

(3) Previously, these costs were accrued at nominal value and charged as a higher depreciation using the production units method.

(4) Previously, maintenance costs were accrued.

(5) Calculated as provided for in CPCECABA Resolution MD No. 32/2002.

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(6) Previously, the Company estimated income tax applying the effective rate on taxable income for the period regardless of any temporary differences between book and taxable income.

As established in the new accounting standards, there are certain transition regulations enabling to apply prospectively the valuation and disclosure method incorporated thereto. The transition standards applied by the Company, affecting the comparability of the financial statements, are:

a) The new methods for translating the financial statements of foreign subsidiaries stated in foreign currency were not applied retroactively.

b) The beginning balances resulting from the recognition, measurement, and booking of derivative financial instruments qualified as effective hedge were not corrected.

**4. Valuation methods**

The main valuation methods used in the preparation of the consolidated financial statements have been as follows:

*a) Accounts denominated in foreign currency:*

At the prevailing exchange rates at the end of each period, including accrued interest, if applicable. The summary of accounts denominated in foreign currency is disclosed in Note 27.d).

*b) Inventories:*

Crude oil stock: at reproduction cost.

Materials: of high-turnover, at replacement cost; low-turnover, at the last purchase price, restated in constant money, according to Note 2.c).

Work in progress and finished products relating to refining, petrochemical and electricity activities: at replacement or reproduction cost, as applicable, proportional in the case of goods in process according to the degree of process of the related good.

Stock of liquid petroleum gases (NGL) in the gas pipeline system in excess of the line pack and held by third parties and stock of NGL obtained from the natural gas processing: at replacement or reproduction cost, as appropriate.

The carrying amount of these assets, does not exceed their recoverable value.

*c) Investments:*

Government securities:

Available for sale: at market value at the end of each period, less the estimated selling expenses. Any gain or loss due to market fluctuations is reflected currently in income in the Financial income (expense) and holding gains (losses) account.

Held to maturity: at original value increased based on its internal rate of return at acquisition. Interest gain is credited to income on accrual basis.

Under the government-securities voluntary conversion system provided by Federal Executive Decree No. 1387/01, the Company volunteered to swap provincial and federal government securities for secured loans for a carrying value of 6 and a market value of 3. Executive Decree 1579/02 established the issuance of secured bonds, with final maturity date in 2018, monthly payable as from 2005. The principal balance shall be adjusted by the Benchmark Stabilization Coefficient (CER), accruing interest at an annual 2% fixed rate. Foreign currency liabilities of the federal, provincial and municipal public sector effective as of February 3, 2002, whose applicable law is only Argentine law, shall be translated into pesos at the exchange rate of 1.40 pesos per US dollar and adjusted by CER, plus an annual 2% interest rate.

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In addition, as of December 31, 2003, the Company carries other securities with a market of 1, while their book value amounted to 2.

Certificates of deposit and loans to affiliates over which significance influence is exercised: at face value plus accrued interest.

Unlisted Government securities: at the original value increased based on the internal rate of return at acquisition limited by the recoverable value.

Tax credit certificates: at the estimated value based on the application of the certificates to the payment of federal taxes.

Investments in mutual funds: at market prices at the end of each period.

Shares Participation in affiliates, in which the Company exercises significant influence:

By the equity method, following the procedure established by Technical Resolution No. 5 of the FACPCE. For the determination of the Company's equity in affiliates over which significance influence is exercised, the Company has used financial statements from affiliates, or the best available financial information.

For the determination of the Company's equity in affiliates, consideration has been given to the adjustments to adapt the valuation methods of some affiliates to those of the Company, irrevocable contributions made by others, elimination of reciprocal investments, intercompany profits and losses, the difference between acquisition cost and book value of affiliates at the time of the acquisition and the holding of preferred stock and dividends by the affiliates. Cash dividends from affiliates approved by shareholders' meetings held prior to the date of issuance of these financial statements, which are placed at the shareholders' disposal within a term not exceeding one year are deducted from the value of the investment and included in current investments.

Other shares' interests in affiliates in which the Company does not exercise significant influence: at acquisition cost restated in constant money as shown in Note 2.c) to the consolidated financial statements.

*d) Trade receivables and accounts payable:*

Trade receivables and accounts payable have been valued at the spot cash estimated at the time of the transaction, plus accrued financial components.

Trade receivables include billed uncollected services and services rendered but not yet billed as of each period. The services rendered but not yet billed were estimated on the basis of series of actual historical data billings subsequent to each period. The total amount of receivables is net of an allowance for doubtful account, which is based on estimates of collection carried out by the company.

*e) Financial receivables and payables:*

Financial receivables and payables have been valued according to the money paid and collected, respectively, net of transaction costs, plus accrued financial gains (losses) on the basis of the explicit or estimated rate at such time.

*f) Other receivables and payables:*

Other receivables and payables have been valued on the basis of the best possible estimate of the amount to be collected and paid, respectively, discounted in the relevant cases, using the estimated rate at the time of initial measurement, except for the deferred tax assets and liabilities. As established by CNV regulations, deferred tax assets and liabilities have not been discounted. This criterion does not comply with accounting standards effective in the City of Buenos Aires, which required such balances to be discounted.



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*g) Property, plant & equipment:*

Property, plant & equipment, except as indicated below, have been valued at acquisition cost restated in constant money less related accumulated depreciation. Property, plant & equipment related to foreign transactions were converted into US dollars since that is the functional currency for such transactions and they have been translated into Argentine pesos at the exchange rate effective as of closing in accordance with the method for converting foreign transactions described in note 2.b).

The value of CIESA's PP&E transferred from the privatization of Gas del Estado was determined based on the price paid for 70% of the capital stock of TGS. Such price was the basic to determine the total common stock, which when added to the initial debt assumed under the transfer contract, resulted in the total value for PP&E. Such value, translated at the effective exchange rate as of the date of the transfer contract, was restated in constant pesos.

Petrobras Participaciones uses the successful efforts method of accounting for its oil and gas exploration and production activities.

Exploration costs, excluding exploratory well costs, are charged to expenses for the period in which they are incurred. Drilling costs of exploratory wells, including stratigraphic test wells, are capitalized until it is assessed if proved reserves justifying the commercial development thereof are discovered. If such reserves are not found, such drilling cost are charged to expense. Occasionally, an exploratory well may determine the existence of oil and gas reserves but they cannot be classified as proved when drilling is complete. In these cases, one of the following would be applicable: (I) whether the well found reserves in an area requiring a major capital expenditures before production may start, and classification of such reserves as proved is dependent upon whether additional reserves are found justifying the abovementioned investment. In this case, the cost of the exploratory well continues capitalized as long as it meets the following two conditions: (a) reserves found are sufficient to justify completion of the well as producer if the capital investment is made, and (b) the drilling of additional exploratory wells is in progress or firmly planned for the near future. Otherwise, drilling costs are charged to expense. (II) in all other cases, drilling costs of exploratory wells do not remain capitalized for more than one year after the completion of the drilling. If after one year found reserves may not be classified as proved, exploratory well costs are charged to expense.

The Company depreciates productive wells, as well as machinery, furniture and fixtures and camps in the production areas according to the units of production method, by applying the ratio of oil and gas produced to the proved developed oil and gas reserves. The acquisition cost of property with proved reserves is depreciated by applying the ratio of oil and gas produced to estimated proved oil and gas reserves. Mining property related to unproved reserves has been valued at cost and its recoverability is assessed from time to time on the base of geological and engineering estimates of possible and probable reserves that are expected to be proved over the life of each concession.

Estimated future restoration and abandonment costs discounted at an estimated rate at the time of their initial measurement, are included in the value at which the assets that gave rise to such costs are capitalized, and are depreciated using the units of production method. Additionally, a liability is recognized for such costs at the estimated value of the amount payable, discounted at an estimated rate at the time of their initial measurement.

The Company estimates its reserves at least once a year. Total oil and gas reserves as of December 31, 2003, 2002, and 2001, were audited by Gaffney, Cline & Associates Inc., independent international technical and management advisors.

Petrobras Participaciones's remaining property, plant & equipment are depreciated by the straight-line method based on their existing exploitation concession terms and their estimated useful lives as the case may be.

The cost of works in progress, whose construction will extend over time, includes the computation of financial costs accrued on loans granted by third parties, if applicable, and the costs related to putting the facilities into operation that are considered net of any income obtained from the sale of commercially valuable production during such process.

The carrying value of property, plant & equipment, taken as hole, does not exceed its recoverable value.

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*h) Environmental costs:*

The costs incurred to limit, neutralize or prevent environmental pollution are only capitalized if at least one of the following conditions is met: (a) such costs relate to improvements in the plant's (or some other production asset's) capacity and safety; (b) environmental pollution is prevented or limited; or (c) the costs are incurred to prepare the assets for sale and the book values of such assets together with the additional cost do not exceed their respective recoverable values.

Liabilities related to future remediation costs are recorded when environmental assessments are probable, and the costs can be reasonably estimated. The timing and magnitude of these accruals are generally based on the Company's commitment to a formal plan of action, such as an approved remediation plan or the sale or disposal of an asset. The accrual is based on the probability that a future remediation commitment will be required.

The Company records the related liabilities based on its best estimate of future costs, using currently available technology and applying current environmental regulations as well as the Company's own internal environmental policies.

*i) Income tax, tax on minimum presumed income, royalties and withholdings on export of hydrocarbons:*

The Company and its affiliates estimate income tax on individual basis under the deferred tax method.

The deferred tax balance as of the end of each period has been determined on the basis of the temporary differences generated in certain items that have a different accounting and tax treatment.

To book such differences, the Company uses the liability method, which established the determination of net deferred tax assets and liabilities on the basis of temporary differences determined between the accounting measurement of assets and liabilities and the related tax measurement. Temporary differences determine the balance of tax assets and liabilities where its future reversal decreases or increases the taxes determined. Where there are unused Tax loss carryforwards that may be offset against future taxable income, the Company will recognize a deferred tax asset, only to the extent that recovery of such asset is probable.

Deferred tax assets and liabilities have been valued at their nominal value, as established by CNV's General Resolution No. 434. The professional accounting standards effective in the City of Buenos Aires require that such nominal value be discounted at a current rate estimated as of each period-end.

The tax on minimum presumed income is supplementary to income tax, since while the latter is levied on the year's taxable income, the tax on minimum presumed income is a minimum tax levied on the potential income of certain productive assets at the rate of 1%, so that the Company's final liability will be equal to the higher of both taxes. However, should the tax on minimum presumed income exceed the tax based on income in any given year, such excess may be applied to reduce any excess of income tax over the tax on minimum presumed income in any of the ten succeeding years.

For the operations in Argentina, Venezuela, Brazil, Peru, Ecuador and Bolivia the income tax accrual was calculated at the tax rates of 35%, 34%, 34%, 30%, 25% and 25%, respectively. Additionally, payment of Bolivian-source income to beneficiaries outside Bolivia is subject to a 12.5% withholding income tax and, a 34% income tax is levied on the dividends paid by Venezuelan companies, in event of income in excess of taxable income.

Law No. 25,239 and its Administrative Order No. 1037/2000 amended income tax law to establish, among other things, that shareholders residing in Argentina of companies organized or operating in countries with low or

no-taxation with non-operating income exceeding 50% of net income, are to book accrued passive income such as interest, dividends, royalties, rents or other similar passive income to the fiscal year, although the income was not remitted or credited to any account. The Law and Administrative Order also establish that such companies shall not generate Argentine tax credits for the tax paid abroad.

Royalties are paid in Argentina, Peru and Bolivia for the production of crude oil and for effectively used volumes of natural gas. Those royalties are 12%, 24.5% and from 40% to 60%, respectively, of the wellhead

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estimated price for oil and gas. The wellhead price represents the final sales price less treatment, storage and transportation costs. Royalties are charged to production costs in the Oil and gas royalties account. In Venezuela, for the Acema, Mata and La Concepción (Third Round) areas, 30% royalties are paid with respect to the excess production, calculated based on the crude wellhead estimated price. Under contractual terms, royalties of the Third Round areas are deducted from the sales price. In Ecuador, the exploitation agreement for Block 18 provides for a schedule of differential royalties, that in the case of Pata field are applied over a production volume scale and for Palo Azul field, according to oil prices.

As regards the Pichi Picún Leufú Hydroelectric Complex, as provided in the concession agreement, the Company pays hydroelectric royalties of 1% increasing at a rate of 1% per annum up to the maximum percentage of 12% of the amount resulting from applying the rate for the bulk sale to the power sold under the terms of Section No. 43 of Law No. 15,336, as amended by Law No. 23,164. In addition, the Company is subject to a license fee payable monthly to the Federal Government for the use of the power source equivalent to the 0.5% of the same amount base for hydroelectric royalty calculation.

The Public Emergency and Exchange System Reform Law No. 25,561 establishes the creation of a system of withholdings on exports of hydrocarbons for five years, since March 1, 2002. The rate of those withholdings is 5% for certain refined products and 20% for the crude oil.

*j) Liabilities for labor costs and commitments that generate losses:*

Liabilities for labor costs are accrued in the periods in which the employees provide the services that trigger the consideration.

For purposes of determining the estimated cost of benefit pension plans granted to employees, the Company has used actuarial calculation methods, making estimates with respect to the applicable demographic and financial variables.

*k) Contingencies:*

Certain conditions may exist as of the date of financial statements which may result in a loss to the Company, but which will only be resolved when one or more future events occur or fail to occur. Such contingent liabilities are assessed by the Company's management based on the opinion of Petrobras Participaciones's legal counsel and the available evidence.

Such contingencies include outstanding lawsuits or claims for possible damages to third parties in the ordinary course of the Company's business, as well as third party claims arising from disputes concerning the interpretation of legislation.

If the assessment of a contingency indicates that it is probable that a loss has been incurred and the amount can be estimated, a liability is accrued in the Reserves account. If the assessment indicates that a potential loss contingency is not probable, but is reasonably possible, or is probable but it cannot be estimated, then the nature of the contingent liability, together with an estimate of the possibility of occurrence, is disclosed in a note to the financial statements. Loss contingencies considered remote are not disclosed unless they involve guarantees, in which case the nature of the guarantee is disclosed.

However, in some instances in which disclosure is not otherwise required, the Company may disclose contingent liabilities of an unusual nature which, in the judgment of management, may be of interest to the users of the financial statements.

Significant litigations in which the Company is involved and the movements of reserves are disclosed in Note 14.

*l) Earnings (losses) per share:*

Earnings (losses) per share for the years ended December 31, 2003, 2002 and 2001, were calculated on the basis of the number of outstanding shares in each period. Since the Company does not have preferred assets or convertible debt securities, the basic earnings (losses) per share is equal to the diluted earnings (losses) per share.

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*m) Shareholders' equity accounts:*

They were restated into constant money, according to Note 2.c), as of year-end, except for Capital stock that represents subscribed and paid-in capital. The adjustment arising from the restatement into constant money is disclosed under Adjustment to capital stock. The account Treasury stock relates to the purchases of shares of Petrobras Energía Participaciones S.A. by Petrobras Energía, and are deducted from the shareholders' equity at acquisition cost, disclosed in a separate line in the statement of changes in shareholders' equity.

*n) Revenue recognition:*

Revenues from sales are recognized when the products are delivered or the services are provided, the price is fixed or determinable, collection is probable and the risk of loss has been transferred to customers.

Revenues from sales resulting from the firm natural gas transportation are recognized by the accrued reserve of the transportation capacity hired, regardless of the volumes carried.

With respect to crude oil prices, in January 2003, at the federal executive branch's request, hydrocarbon producers and refineries executed a temporary agreement in connection with crude oil, gasoline and diesel oil price stability in the domestic market. After successive renewals, the term of this agreement was extended until May 2004. This agreement provides for crude oil deliveries to be invoiced and paid based on the West Texas Intermediate Crude reference price, or WTI, of U.S.\$28.5 per barrel instead of the actual relevant WTI. Any positive or negative difference between the actual relevant WTI, not exceeding U.S.\$36 per barrel, and the reference price would be paid out of any balance generated in periods where the actual WTI is below U.S.\$28.5 per barrel. Refineries, in turn, will reflect the crude oil reference price in domestic market prices. In May 2004, hydrocarbon producers and refineries executed a new agreement effective until June 2004, which provided that, while the WTI per barrel ranges between U.S.\$32 and U.S.\$42, crude oil deliveries will be invoiced and paid considering a reference price equal to (i) 86% of the WTI as long as this price does not exceed U.S.\$ 36 per barrel, or (ii) 80% of the WTI, in cases where this price exceeds U.S.\$36 per barrel. We did not recognize any revenue over U.S.\$28.5 for the WTI

*o) Statement of income accounts:*

Restated into constant money through the end of the period, according to Note 2.c), considering the following:

- Depreciation and consumption expenses related to non monetary assets were charged to income (losses) taking into account the restated costs of such assets.

- Financial income (expense) and holding gains (losses) are broken down as generated by assets and generated by liabilities. Financial (expense) income, net, discloses financial income and expenses, exchange differences and income (loss) from changes in the quotation of government securities and shares, at their restated nominal value, according to Note 2.c). Additionally, it also discloses the effects of inflation of monetary assets and liabilities in the balance sheet.

For the years ended December 31, 2002, and 2001, Financial income (expense) and holding gains (losses) includes net income from conversion and translation on non monetary assets of foreign operation, in real terms.

CNV General Resolution No. 398 allows, as an exceptional treatment, the one provided for in Resolution M.D. No. 3/2002 of the CPCECABA, whereby the exchange differences originated as from January 6, 2002, from liabilities in foreign currency existing as of such date directly related to the acquisition, construction, or production of property, plant & equipment, intangibles, and long-term investments in other companies organized in the country should be allocated at the cost values of such assets with a number of conditions established in such professional standard.

Direct financing shall mean that granted by the supplier of the goods, billed in foreign currency, or that obtained from financial institutions for identical purposes. In the cases in which there is an indirect relation between the financing and the acquisition, production, or construction of the assets, such exchange differences may also be allocated, under certain conditions, to the cost values of such assets. The Company has adopted the method of capitalizing exclusively the foreign exchange differences resulting from direct financing.



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As mentioned above, as of December 31, 2003, and 2002, the Company has capitalized exchange differences booked with a residual value of 46 and 48, respectively.

### **5. Accounting for derivative financial instruments**

#### *Hedging and other derivatives:*

The Company uses various derivative financial instruments such as options, swaps and others, mainly to mitigate the impact of changes in crude oil prices, interest rates and future exchange rates.

Such derivative instruments are designated as hedging specific exposures, highly correlated to the risk exposure in question and highly effective in offsetting changes in cash flows inherent to the covered risk.

The use of derivative financial instruments exposes the Company to credit risk. In addition, the Company uses strict policies for the approval of lines of credit, applies several procedures to evaluate these risks and seeks to reduce this credit exposure by means of the use of certain tools, such as anticipated collections or payment agreements for such operations and the offsetting of collections and payments.

Derivative financial instruments are measured at their fair value, determined as the amount of cash to be collected or paid to settle the instrument as of the date of measurement.

#### a) Instruments that qualify for hedge accounting

Changes in the accounting measurement of derivative financial instruments designated as cash flow hedge, which have been determined as effective hedge, are recognized under *Transitory differences-Measurement of derivative financial instruments designated as effective hedge*, and any other change is recognized under *financial income (expense)* for the year. Changes in the accounting measurement of derivative financial instruments recognized under *Transitory differences-Measurement of derivative financial instruments determined as effective hedge* are subsequently reclassified to *income (loss)* for the year or years in which the hedged item affects such results.

A hedge is considered to be effective when at its inception, as well as during its life, its changes offset from eighty to one hundred and twenty five percent the opposite changes of the hedged item. In the respect, the Company excludes the specific component attributable to the time-value of an option when measuring the effectiveness of instruments that qualify for hedge accounting.

Hedge accounting must cease for the future upon occurrence of any of the following events: (a) the hedge instrument has matured or has been settled; (b) the hedge transaction is no longer effective; (c) the projected transaction does not have a high likelihood of occurrence. Should that be the case, the income (loss) arising from the hedge instrument that would have been allocated to *Transitory differences-Measurement of derivative financial instruments determined as effective hedge* should remain there until the committed or projected transactions occurs in the case of (a) and (b), and are charged to *income* in the case of (c).

Pursuant to the transitional standards of FACPCE Technical Resolution No. 20, the Company applied the standard of booking derivative positions at their market value on a prospective basis. As indicated above, as of December 31, 2002 and 2001, the gains (losses) on hedge transactions related to the crude oil price, without distinguishing between hedge and non-hedge transactions, were deferred until the related anticipated transaction was recognized, when they were booked as an integral part of hedged sales.

Hedge of produced crude oil price

These instruments use West Texas Intermediate (WTI) as reference price, which is used mainly to determine the sale price in the market.

During 2003, the Company maintained hedge transactions through flexible option contracts, with a total covered volume of 8.3 million barrels. In addition to the referred hedge, during 2002, the Company settled positions in the aggregate amount of 42,500 bbls/day for 2003. This volume was realized at market value with a discount of USD 1.11/bbl.

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For the years ended December 31, 2003, 2002, and 2001, the accrued portions of hedge instruments represented a lower sale of 81, 373 and 341, respectively.

As of year-end, the Company did not have positions in derivatives of the crude oil price related to the future production that qualify for hedge accounting purposes.

**Hedge of interest rates**

As of December 31, 2003, the Company has an agreement for the purpose of hedging class C notes exposed to fluctuations with the LIBOR, fixing the rate at 7.93% per annual.

Such contract term expires in July 2005, payable in quarterly installments as from 2004. The market value for the year amounts to 23.

During the period, the changes in Transitory differences-Measurement of derivative financial instruments determined signated as effective hedge was:

	<b>2003</b>		
	<b>Price of Oil</b>	<b>Interest Rate</b>	<b>Total</b>
Balance at begining at year			
Cumulative effect of accounting change	67	42	109
Changes of fair value	15		15
Reclasification to net income (loss)	(81)	(24)	(105)
Ineffectiveness	(1)		(1)
	—	—	—
Balances at end of year		18	18

**b) Instruments that do not qualify for hedge accounting**

Changes in the accounting measurement of derivative financial instruments that do not qualify for hedge accounting are recognized in the statement of income under Financial income (expense) and holding gains (losses). The difference between the current value of such instruments and the previous value booked by the Company in the year ended December 31, 2002, was charged to unappropriated retained earnings recognizing a loss of 426. For the year ended December 31, 2003, losses of derivative financial instruments that do not qualify for hedge accounting amount to 294.

The main conditions and terms by type of instrument as of December 31, 2003 are as follows:

**Expected maturity**

	2004	2005	Total
<b>Sales price exposure</b>			
<i>Crude oil price swap (1)</i>			
Contract volumes (million barrels)	4.10		4.10
Average settlement prices (US\$ per barrels)	18.64		
Fair value before advanced payments			(152.00)
<i>Swap options (2)</i>			
Contract volumes (million barrels)	6.90	7.30	14.20
Average settlement prices (US\$ per barrels)	19.00	19.00	
Fair value before advanced payments			(397)

1) Options on swaps exercised by the other party.

2) The transaction included herein are sold swaptions.

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**Table of Contents****6. Oil and gas areas and participation in joint ventures**

As of December 31, 2003, Petrobras Participaciones and its subsidiaries were part of the oil and gas consortiums, joint-ventures and areas indicated in Note 27.g). As of that date, the aggregate joint ventures and consortia assets, liabilities and results in which the Company is a party, included in each account of the balance sheet and the statement of income, respectively, utilizing the proportionate consolidation method are disclosed in Note 27.h).

The production areas in Argentina, Ecuador and Peru indicated in Note 27.g) are operated pursuant to concession production agreements with free crude oil availability. Those related to Venezuela are exploitation service agreements, in which Petróleos de Venezuela S.A. ( PDVSA ) owns all the oil and gas produced and is responsible for the payment of all royalties and taxes related to the production and will receive, upon expiration of the agreement term, the exclusive ownership of all operating facilities, property and equipment used by the joint ventures to perform the activities under the agreement. In Bolivia it is a shared-risk contract signed with Yacimientos Petrolíferos Fiscales Bolivianos ( YPFB ) with free production availability.

The Company is jointly and severally liable with the other joint venturers for meeting the contractual obligations under these arrangements.

As regards the Oritupano-Leona area, in Venezuela, the joint venture awarded the area receives a variable operation fee based on production volumes, which amounts to US\$ 6.14 per barrel as of December 31, 2003, plus a capital fee for reimbursement of certain exploration and development investments. Under the terms of the service agreement executed with PDVSA, the total amount to be paid may not exceed approximately US\$ 28.72 per barrel, variable according to a basket of oil market prices.

In relation to the Mata, Acema and La Concepción fields, also in Venezuela, the joint ventures awarded the areas are paid a fee for the operation services rendered, which covers the investments and production costs plus a gross profit. The fee has a fixed component related to contractual baseline production and a variable component related to the incremental production, that covers investments and production costs plus a gross profit up to a maximum tied to a basket of international oil prices.

*Divestments of equity in oil and gas areas*

In August 2003, Petrobras Energía sold to Central International Corporation, Argentine Branch, the 85% interest over the rights and obligations on the concession of the Catriel Oeste area. Considering the transfer price agreed, of US\$ 7 million, Petrobras Energía recognized a loss of 28 presented under Other expenses, net .

In June 2003, Petrobras Energía sold to Geodyne Energy Inc., Argentine branch, the 50% equity interest over the rights and obligations pertaining to the Faro Vírgenes concession area, recognizing a loss of 11, disclosed under Other expenses, net . This transaction shall be settled over a ten-year period, in quarterly installments, whose value in US dollars shall be determined as 8.8% of the total production of gas from the Faro Vírgenes area for each quarter. Petrobras Energía has the option to receive such consideration directly in gas. Such future revenue stream is recognized in income for the period as natural is produced.

In October 2002, Petrobras Energía signed an association agreement with Teikoku Oil Co., Ltd., whereby it transferred 50% of its rights and obligations to exploit gas in exploratory areas in San Carlos and Tinaco, located in the State of Cojedes, Venezuela. The participation assignment agreement provides the initial cash payment of US\$ 1 million and a subsequent disbursement of US\$ 2 million, which shall finance the plan of exploratory investments of the Tinaco area, as regards geological studies, 2D seismic and evaluations and interpretation thereof. Also if the development of those areas is agreed, Petrobras Energía will receive an additional payment of US\$ 3 million.

Considering the recoverable value as of December 31, 2002, Petrobras Energía recognized a loss of 37, disclosed under Other expenses, net .

In October 2001 the Company sold the operating rights over the Pampa del Castillo-La Guitarra field and the 13.79% shareholding in Terminales Marítimas Patagónicas S.A. For such the net realizable value which was fixed in 225 and represented a loss of 65.

**Table of Contents***Assets exchange*

In February 2001, the Company concluded an asset exchange, which had economic effects as from January 1, 2001. Under the exchange terms: (i) the Company incorporated interest in the Santa Cruz I (30%) and Santa Cruz II (62.2%) joint ventures; (ii) in contrast, the Company conveyed its 50% interest in the Manantiales Behr and Restinga Alí areas, together with the 40.5% holding in Andina Corporation, holder of 50% of Empresa Petrolera Andina S.A. (Bolivia). Such transaction was approved by the Federal Anti-Trust Board in May 2001, and generated an income of 251 in the year ended December 31, 2001.

*Investment commitments*

Petrobras Energía operates oil and gas areas under several contractual arrangements that provide for minimum investment commitments for exploration and development of oil and gas fields. Total commitments as of December 31, 2003, are approximately US\$ 7 million through 2005.

**7. Credit risk**

Petrobras Participaciones provides credit in the normal course of business to refiners, petrochemical companies, marketers of petroleum products, crude oil exporting companies, electric power generation companies, retail customers, natural gas distributors, electric power large users and power distribution companies, among others.

As a result of the business of Petrobras Participaciones and sale locations, the portfolio of receivables is well diversified, and such diversification makes the credit risk moderate. Thus, Petrobras Participaciones constantly performs credit evaluations of the financial capacity of its clients, which minimizes the potential risk of bad debt losses.

Sales for the year ended December 31, 2003, were made mainly to Petróleos de Venezuela S.A., Petroperú Petróleos del Perú S.A., Repsol YPF Trading y Transporte S.A. and Glencone AG and represented about 11%, 7%, 5% and 4%, respectively, of sales for such period, before computing gain (loss) generated by derivative financial instruments and before deducting export duties.

Sales for the year ended December 31, 2002, were made mainly to Petróleos de Venezuela S.A., Petroperú Petróleos del Perú S.A., Repsol YPF Trading y Transporte S.A. and Petrobras and represented about 16%, 8%, 7% and 6%, respectively, of sales for such period, before computing gain (loss) generated by derivative financial instruments and before deducting export duties.

Sales for the year ended December 31, 2001, were made mainly to Petróleos de Venezuela S.A., Repsol YPF Trading y Transporte S.A., Petroperú Petróleos del Perú S.A., Petrobras and EG3 S.A., and represented about 13%, 6%, 6%, 4% and 3%, respectively, of sales for such period, before computing gain (loss) generated by derivative financial instruments and before deducting export duties.

**8. Inventories**

	<u>2003</u>		<u>2002</u>	
	<u>Current</u>	<u>Noncurrent</u>	<u>Current</u>	<u>Noncurrent</u>
Crude oil stock	41		32	

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Materials	125	63	166	39
Work in progress and finished products refining and petrochemical	122		149	
Prepayments to vendors	33		9	
Other	2		3	
Reserve for materials ´ obsolescence (Note 14.f)	(4)	(2)	(3)	
	<u>319</u>	<u>61</u>	<u>356</u>	<u>39</u>

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**Table of Contents****9. Investments, equity in earnings of affiliates and dividends collected from affiliates**

The breakdown of current and noncurrent investments, the equity in earnings of affiliates and dividends collected from affiliates as of December 31, 2003 and 2002, and for the years ended December 31, 2003, 2002 and 2001, are as follows:

**a) Investments**

Name and issuer	2003		2002
	Cost	Book value	Book value
Current:			
Government securities	41	23	59
Certificates of tax credits	5	5	4
Certificates of deposit	146	146	83
Mutual funds	626	626	492
Loans to unconsolidated affiliates (Note 18)			19
Other	2	2	7
	<u>820</u>	<u>802</u>	<u>664</u>
Noncurrent:			
Government securities	2	2	26
Advances to joint ventures	157	157	245
Loans to unconsolidated affiliates (Note 18)	127	127	
Equity in affiliates (Note 27 b.)	1,007	996	832
Other		2	
	<u>1,293</u>	<u>1,284</u>	<u>1,103</u>

**Table of Contents****b) Equity in earnings of affiliates**

	<u>2003</u>	<u>2002</u>	<u>2001</u>
Cerro Vanguardia S.A.		59	16
Cia. de Inversiones de Energía S.A.	(33)	(398)	
Citelec S.A.	87	(241)	19
Empresa Boliviana de Refinación S.A.	(5)	12	8
Enron de Inversiones de Energía S.C.A.		(32)	5
Oleoducto de Crudos Pesados Ltd.	(5)		
Pecom Agra S.A.			17
Inversora Mata S.A.	4	(9)	(2)
Oleoductos del Valle S.A.	2	11	11
Petrolera Entre Lomas S.A.	13	12	8
Petroquímica Cuyo S.A.	16	(10)	4
Refinería del Norte S.A.	28	9	6
Transportadora de Gas del Sur S.A.	52	(52)	10
Yacylec S.A.	2	2	5
Other	2	(1)	12
	<u>163</u>	<u>(638)</u>	<u>119</u>

**c) Dividends collected from affiliates**

	<u>2003</u>	<u>2002</u>	<u>2001</u>
Citelec S.A.			15
Pecom Agra S.A.			4
Yacylec S.A.	3	1	7
Empresa Boliviana de Refinación S.A.		4	
Petrolera Entre Lomas S.A.	9	12	7
Oleoductos del Valle S.A.	7	3	7
Transportadora de Gas del Sur S.A.			11
Refinería del Norte S.A.	7		
Other			4
	<u>26</u>	<u>20</u>	<u>55</u>

*I. Investment in companies over which joint control or significant influence is exercised and are subject to transfer restrictions:*

a) *Distrilec Inversora S.A. ( Distrilec )*:

Distrilec is able to change its equity interest and sell its shares of Edesur S.A. ( Edesur ) only with the approval of the ENRE (Federal Power Regulation Authority).

In addition, over the entire term of the concession, the Class A shares in Edesur shall remain posted as bond to guarantee compliance with the obligations undertaken in the Concession Agreement. This bond in no way limits the exercise of financial and voting rights associated with the Edesur shares.

b) *Cía. de Inversiones de Energía S.A. ( CIESA )*:

Shareholders of CIESA, parent company of Transportadora de Gas del Sur S.A. ( TGS ), may not sell over 51% of its Class A shares representing 51% of CIESA's capital stock, without the prior authorization of the regulatory agency and the approval of the shareholders of CIESA.

There are certain disagreements between the Company and the Enron Group, which jointly control CIESA, as to the actual occurrence of an event of change of shareholders . Under the CIESA Shareholders Agreement, in the event of a change in the ultimate parent of a shareholder, such shareholder must offer its shares to the others. Although from opposing standpoints, both companies interpret that such an event has taken place: the Company interprets it has occurred with the bankruptcy of the Enron Group, while the Enron

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Group interprets it has occurred upon the transfer of the shares of the Company. In January 2003, the Company was notified by Enron's legal counsel that such company would file arbitration proceedings in this regard. See note 26 for events subsequent to December 31, 2003.

### *c) Compañía Inversora en Transmisión Eléctrica Citelec S.A. ( Citelec ):*

The Company may not modify or sell its equity interest in Citelec in a proportion and number of shares exceeding 49% of its shareholding without prior approval by the ENRE.

Citelec is not permitted to modify its 65% equity interest in Compañía de Transporte de Energía en Alta Tensión Transener S.A. ( Transener ) nor sell its Class A shares representing 51% of Transener's capital stock, without prior approval by the ENRE.

Transener may not modify or sell its shareholding in Empresa de Transporte de Energía Eléctrica por Distribución Troncal de la Provincia de Buenos Aires Transba S.A., without prior approval by the ENRE.

### *d) Yacylec S.A. ( Yacylec ):*

Yacylec's Class A shares will remain pledged during the term of the concession, as security for the compliance with the obligations undertaken under the concession agreement. Any transfer of shares requires ENRE's prior authorization.

## *II. Enecor S.A.*

For the entire term of the concession, the Class A shares in Enecor shall remain posted as bond to guarantee compliance with the obligations undertaken in the Concession Agreement. Prior authorization from the ENRE is required for any transfer of shares.

## *III. Assets exchange*

The Regular Shareholders' Meeting held on April 3, 2002, approved an agreement with economic effects as from January 1, 2002, whereby:

- i) Petrobras Energía sold to IRHE (Argentine Branch) and GENTISUR S.A. (a company wholly owned by IRHE) its 50% equity interest in Pecom Agra S.A. in the amount of US\$ 30 million, which represented a gain of 81.
- ii) IRHE (Argentine Branch) and GENTISUR S.A. transferred to Petrobras Energía:

0.75% interest in the Puesto Hernández joint venture in the amount of US\$4.5 million;

7.5% interest in Citelec, in the amount of US\$15 million;

9.187% interest in Hidroneuquén S.A., a company holding 59% of Hidroeléctrica Piedra del Águila S.A. stock, in the amount of US\$ 5.5 million.

The remaining balance, US\$ 5 million, was settled through a document maturing in October 2002, which accrues interest at six-month LIBOR plus annual 3% spread.

## *IV. Sale of companies*

a) Disposal of farming, forestry and mining activity assets

The agreements made in relation to the transfer of the controlling shares of Petrobras Participaciones granted Petrobras an option, whereby if, within a 30-day term subsequent to the end of the purchase-sale of shares, Petrobras Energía would not have sold the assets related to agricultural, forestry and mining activities, Petrobras would be entitled to, but not required to, make the seller acquire those assets in an amount of US\$ 190 million or, if any of those assets has been sold, the amount resulting from deducting from such addition, the price received in consideration of the sale made.

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Under these agreements, during 2002 Petrobras Energía performed the following transactions:

In July 2002, Petrobras Energía sold to Anglogold its indirect ownership interest of 46.25% in Cerro Vanguardia S.A., and the assets associated therewith. The price of the transaction has been fixed at US\$ 90 million. The transaction represented a profit of 123.

In September 2002, Petrobras Energía sold to Argentina Farmland Investors LLC the ownership interest representing 100% of the capital stock of Pecom Agropecuaria S.A. The price of the transaction totaled US\$ 53 million, which implied a profit of 27.

In December 2002, it concluded the disposal of the operations that form part of the forestry business, which included the sale of the 100% shareholding in Pecom Forestal S.A., jointly with the ownership of forestry located in the Paraná delta region, to DRT Investments LLC. In addition, it transferred the going concern related to forestry related industrial activities in Misiones to Alto Paraná S.A. In January 2004, the Company completed all the formalities needed for the transfer of the going concern of forestry related industrial activities. The total price of the abovementioned transactions amounted to US\$ 53.16 million, resulting in a 153 loss.

### b) Sale of interest in Combustibles Nucleares Argentinos S.A. (CONUAR)

In October 2002, the Company sold its 66.67% shareholding in CONUAR to Sudacia S.A., a company controlled by the Perez Companc Family, including the 68% interest in Fabricación de Aleaciones Especiales S.A. The transaction price amounted to US\$ 8 million, while no income (loss) was derived from such sale.

## *V. Situation of the interests in public utility companies*

The new scenario after enactment of the Law on Public Emergency deeply changed the financial equation of public utility companies. Particularly, the tremendous effect of the devaluation, within a context where revenues remained fixed, as a consequence of de-dollarization of rates, has affected the financial and cash flow position of companies, as well as their ability to comply with certain loan covenants. This situation has extremely conditioned the financial ability to comply with obligations.

Public Emergency Law provided for the conversion into Argentine pesos and the elimination of indexation clauses on public service rates, thus fixing them at the exchange rate of ARS 1 = US\$ 1. In addition, the Executive Branch was empowered to renegotiate those agreements entered into to provide public services, pursuant to the following criteria: (i) rates impact on economic competitiveness and revenue allocation, (ii) service quality and investment plans, to the extent that they were contractually agreed upon, (iii) users interests and access to services, (iv) the safety in the system involved, and (v) utilities profitability.

To allow for preserving the provision of public services, and consistently the renegotiation process underway, the Executive Branch issued Executive Order No. 146/03 authorizing to increase gas and electric power rates. This caused a 10% increase for TGS, 9% for Edesur and 22% for Transener. The increase in rates was objected by the ombudsman and consumer associations. On February 25, 2003, a trial court issued an injunction and suspended the increase in rates authorized by Executive Order No. 146/03.

On October 1, 2003, Argentine Congress passed a bill that established the extension to December 2004 of the term granted by the Federal Executive by virtue of Public Emergency Law to renegotiate the agreements executed with privatized public-service companies. Such law also will allow the Federal Executive to fix public utilities rates until the completion of the renegotiation process.

It is not possible to foresee the future development of the rate renegotiation process. In addition, it is not possible to guarantee that regulations will not be changed and that they will not have an adverse impact on the financial position

and results of operations of such companies.

CIESA, TGS and Transener have defaulted on their obligations and strive to reschedule them (see Note 12.X). The managements of these companies have drafted and implemented a plan of action to mitigate the adverse impact caused by these circumstances. The Company cannot guarantee the success in implementing it and whether it will fulfill the proposal aims. The impact generated by the measures adopted by the Federal Government on CIESA, TGS, Transener and Citelec financial statements was recognized based on the evaluations and estimations carried out by the related managements. Actual future income or losses could differ from estimates and such differences may be significant. Consequently, these companies' financial statements may not report all the adjustments that could derive from these circumstances.

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As of December 31, 2003, the valuation of the equity interests in CIESA (which has been proportionally consolidated), TGS and Citelec amounts to 190, 167 and 158, respectively. In the opinion of the Company's Management, the book value of such equity interests does not exceed the recoverable value. The estimation of the respective recoverable values is subject to the significant uncertainties described, which affect the quality of the assumptions, estimations and evaluations inherent in such determination. Consequently, in the current situation, the listed value of shares of stock is the most objective guideline for determining the net realizable value of such holdings. The reliability and the applicability of any values in use that might be determined become relative because of the prolongation of the uncertainties and the fact that, in projecting the future, multiple scenarios can be drawn up while the estimation of their respective probabilities is extremely subjective, a problem that extends to agreeing on the discount rate to be applied.

As of December 31, 2002, the valuation of the equity interests in CIESA, TGS and Citelec amounted to zero, 88 and 71, respectively. The equity interest in CIESA valued under the equity method in conformity with accounting principles consistent with those applied by the Company would have represented an amount of 33 negative. However, considering that the Company has not undertaken commitments to contributing capital or providing financial aid to its affiliates, such equity interest has been stated at zero value, thus restricting the recognition of losses related to the respective book value. The value of the equity interest in Citelec was presented net of the allowance for impairment in value of 66, determined as mentioned above.

In the year ended December 31, 2001, the Company charged to expenses the CIESA acquisition value exceeding the related book value, which implied a 202 loss.

**10. Impairment of assets**

a) Operations in Argentine

The Argentine peso devaluation, the enactment of Public Emergency Law and the different events that took place caused a significant change in the Company's estimation of the future income or loss evolution and the flow of certain businesses and assets. Considering the uncertainties existing with respect to the final breakdown of the economic and financial equation and their recoverability, during 2002 and 2003 the Company adjusted the book value of certain investments to their related recoverable values, booking these allowances:

Gas areas in Argentina and shareholding in Hidroneuquén: Considering the significant adverse impact on gas and power local prices, and the limited possibilities of negotiating price increases within the context of Public Emergency Law, the Company adjusted the book value of certain investments in gas producing areas in Argentina to its recoverable value, booking 44 and 37 losses during 2003 and 2002, respectively. Also, during 2002, the Company adjusted the book value of its investment in Hidroneuquén to its recoverable value, booking 10 losses.

Argentine Government public securities: as a result of the Argentine Government declaration of its default on the payment of most its sovereign debt and the significant uncertainties over the Argentine economic scenario, as of December 31, 2003, the Company booked a valuation allowance for the notional value of Argentine External Bills in U.S. dollars, survey rate series 74, amounting to 23. As of December 31, 2002, the above mentioned allowance amounted 30. Applying a criterion of prudence, and recognizing the effects of applying Federal Executive Decree No. 1,264, which allows settling tax obligations with the principal coupons of such securities taken at nominal value, the Company reverses the allowance as and when the securities are actually applied.

- Tax on minimum presumed income credit: considering the future income (loss) evolution estimations, the Company carries an allowance for 72.

b) Operations in Ecuador



OCP is a company organized to build and operate a heavy crude oil pipeline in Ecuador. The pipeline has a transportation capacity of 450,000 barrels per day. During 2003, the oil pipeline construction was completed. After the maximum flow system had been tested and the Ministry of Energy and Mining 's approval had been obtained, the oil pipeline started to operate officially on November 10, 2003. The oil pipeline passes through sensitive areas from an ecological standpoint. Accordingly, such oil pipeline has been built under the strictest technical and environmental protection standards.

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The total cost of the oil pipeline was about US\$ 1.4 billion, which were financed by banks, including commercial loans and debt issuance at capital markets for an amount of US\$ 900 million and capital contributions. The original budget for investing in OCP amounted to US\$ 1.2 billion. Due to the restrictions on Petrobras Energía to make capital expenditures, Petrobras Energía decided not to increase its ownership interest in increasing the investments to US\$ 1.4 billion. Therefore, the ownership interest decreased from 15% to 8.96%.

To secure compliance of the capital contribution commitments, and in its capacity as shareholders, and with the corresponding OCP's financial obligations and Petrobras Energía Ecuador commercial obligations, as of December 31, 2003, Petrobras Energía placed letters of credit for a total amount of about US\$ 224 million.

Through Petrobras Energía Ecuador, the Company operates blocks 18 (operating) and 31 (undeveloped, without proved reserves). In relation to the exploitation of those blocks, Petrobras Energía Ecuador has executed a Ship or Pay Transportation agreement with OCP, whereby an oil transportation capacity of 80,000 barrels per day has been ensured for a 15-day term, as from November 10, 2003. Therefore, the Company should meet the contractual obligations for the entire volume hired, rather than the crude oil transportation, paying, as in the case of the other producers, a rate that covers the operating costs and financial services of OCP, among others. Cost of transportation capacity are billed by OCP monthly and charged to expenses as incurred.

The Company estimates that during the term of the agreement there will be successive shortages of crude oil carried due to several delays in developing Block 31, the new term of the capital expenditures flow for the joint development of blocks 18 and 31 and the new potentiality vision of Block 31.

Consequently, as of December 31, 2003, Petrobras Energía has expensed 321 representing impairment losses for its operations in Ecuador. During fiscal year 2003, the company accrued losses for 309, primarily due to the delays in block 31 developing, the increase in crude oil rate together with the dilution of the equity interest in OCP from 15% to 8.96% and the anticipation of the estimated date for the beginning of operations of the oil pipeline. The book value of net assets in Ecuador, after computing the referred allowance, does not exceed the recoverable value.

The Company and Techint Internacional Construction Corp. ( Tenco ) signed an agreement to exercise call and put options, whereby Tenco grants the Company the irrevocable call option of shares and subordinated debt composing its 2.4% equity interest, whereas the Company granted Tenco the irrevocable option to require the purchase of shares and subordinated debt composing such equity interest. Both options may be sold as from December 31, 2003, through December 31, 2004. The option price shall be determined in terms of the total amount paid by Tenco, or on its behalf, plus accrued interest, considering for that purpose that Tenco's put option rate will be 7.5% per annum and the Company's call option rate will be 18% per annum. See Note 26 for subsequent events to December 31, 2003.

## **11. Pichi Picún Leufú Hydroelectric Complex ( the Complex )**

The Company, through Petrobras Energía, has a thirty-year concession for the generation of hydroelectric power in the Complex from August 1999.

To ensure completion of works within the term of the concession and a profitability to make the investment viable, the Energy Department granted the Company the amount of 25, to be taken out of a Unified Fund created by section 37 of Law No. 24,065. For the purpose of determining whether or not such amount should be repaid, a support price system was implemented for the electric power to be generated by the Complex and sold on the Wholesale Electric Power Market.

Such support price system will be applied over a ten-year term, which will be divided into two consecutive five-year periods, as from December 1999. In order to implement such system, an Annual Monomial Support Price

(AMSP) was set in the amounts of \$/Kwh 0.021 and \$/Kwh 0.023 for the first and second period, respectively. In order to determine the amount to be reimbursed, every year of the above mentioned term, the difference between the Annual Average Monomial Price of the Complex bars generation, and the aforesaid AMSP, valued in terms of the electric power generated by the Complex during such year will be determined.

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Owing to the depressed selling prices set for the energy generated by the Complex, and the prices estimated for the remaining term of the initial five-year period, and considering that the above support price system entails a profitability reassurance to make the investment practicable, as of December 31, 2003, the Company accrued an income of 15 of which 3 were recognized in income for year then ended.

**12. Financing**

The detail of debt as of December 31, 2003 and 2002, is as follows:

	<b>2003</b>		<b>2002</b>	
	<b>Current</b>	<b>Noncurrent</b>	<b>Current</b>	<b>Noncurrent</b>
Financial institutions	923	293	710	212
Notes	2,214	4,474	712	5,427
Investment agreement with IFC	61	331	65	193
Related companies (Note 18)	6			
Payable for purchase of 10% interest in Distrilec S.A.			56	298
	<b>3,204</b>	<b>5,098</b>	<b>1,543</b>	<b>6,130</b>

*I. Financial debt refinancing*

In the course of 2002, Petrobras Energía was able to restructure comprehensively a substantial portion of its financial debt. This allowed it to align the principal amortization payments with the cash flows obtained from its operations, resulting in a manageable time frame for payments.

On June 10, 2002, Petrobras Energía made an offer to exchange four series of new corporate bonds for four series of existing notes, whose closing date was July 31, 2002. Based on the bids received by the holders of corporate bonds, on August 1, 2002, Petrobras Energía issued Class F, G, H and I notes, with a face value of US\$ 845.2 million. Additionally, and in line with the exchange offer conditions, Petrobras Energía simultaneously paid US\$ 70 million. As a result of the exchange offer, the remaining outstanding amounts of corporate bonds swapped have been reduced to reflect the amounts not exchanged.

Subsequently, on October 4, 2002, Petrobras Energía issued Class J, K, L and M notes for US\$ 599.4 million and other medium-term credit instruments for US\$ 249.2 million, having simultaneously settled a debt of US\$ 74 million.

Credit instruments issued replace short-term letters of credit, which cover the compliance with certain financial obligations related to hedge agreements of crude oil prices and the investment in OCP. Long-term letters of credit issued under this credit facility fall due annually, which may be automatically extended to successive annual periods, with maturity dates in December 2005, at the latest, for letters of credit related to crude oil derivative agreements, and

October 2007, for obligations related to OCP. In case those letters of credit are not renewed on their related maturity dates, they shall be disbursed, in which case they will constitute new loans granted to the Company.

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*II. Petrobras Energía's Global Programs of nonconvertible notes*

*a) US\$ 2.5 billion program*

The Regular Shareholders Meeting of Petrobras Energía held on April 8, 1998, approved the establishment of a global corporate bond program for up to a maximum principal amount outstanding at any time of US\$ 1 billion or its equivalent in other currency. Later, the Regular and Special Shareholders Meeting held on June 20, 2002, authorized the increase of the maximum program amount outstanding at any time during the effectiveness of the program up to US\$ 2.5 billion or its equivalent in other currency.

The Regular and Special Shareholders Meeting of Petrobras Energía held on July 8, 2003, extended the term of the Petrobras Energía Medium-Term Corporate Bonds Program for five years counted as from May 5, 2003, or the maximum term that may be allowed under any new regulations that might become applicable in the future.

The establishment of the Program was authorized by Certificate No. 202, dated May 4, 1998, and Certificate No. 290, dated July 3, 2002 and Certificate No. 296 dated September 16, 2003, of the CNV.

As of December 31, 2003, there remained outstanding the following classes of corporate bonds under the medium-term global program:

Class B, for US\$ 5 million, payable in a single installment in May, 2006, at a 9% fixed annual rate.

Class C, for US\$ 220 million, with the last maturity in July 2005, which will be amortized in quarterly installments as from 2004. Class C notes shall accrue interest at LIBOR plus 2.50% for the first year, 2.75% for the second year, and 3% for the third and fourth years. As to this transaction, the Company arranged an interest rate swap, fixing the annual interest rate at 7.93%. Should the Argentine Government impose restrictions on transfers of US dollars, the Company is entitled to meet the payment obligations arising from this transaction by delivering oil or a combination of US dollars and oil, at the Company's choice. In the event of payment being made in oil, the volume delivered to the holders of the securities shall be priced at the WTI spot price at the time; the guaranteed minimum price for such oil is 15 US\$/bbl, and the volume shall not exceed 18.5 million barrels over the whole life of the agreement. Deutsche Bank AG London undertook, if such conditions were verified, to buy such oil while guaranteeing holders of the securities full repayment of the debt. In this connection, the Company executed a conditional call option that will trigger if and when the price of WTI drops below 15 US\$/bbl. As regards the Company's exposure to the price of WTI, the effect of the above is economically and financially neutral.

Class F, for a face value of US\$64.4 million maturing in August 2005, at a 7,875% annual rate.

Class G, for a face value of US\$250 million maturing in January 2007 at a 9% annual rate.

Class H, for a face value of US\$181.5 million maturing in May 2009, at a 9% annual rate.

Class I, for a face value of US\$349.2 million maturing in July 2010, at a 8.125% annual rate.

Class K, for a face value of US\$ 286.3 million, quarterly payable as from January 2004 and with final maturity date in October 2007, accruing interest at three month LIBOR per annum, plus 4%.

Class M, for a face value of US\$ 181.8 million, quarterly payable as from January 2004 and with final maturity date in October 2007, accruing interest at three month LIBOR per annum, plus 4.75%.

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Class N, for a face value of USD 97 million, with principal amortized in two installments, the first equivalent to 9.9099% of face value settled on the same day of issuance, January 24,2003, and the remaining due in June 2011, accruing interest at six-month LIBOR plus 1%.

Class O, for a face value of USD 15,3 million, with due in March 2004, accruing interest at 7.5%.

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Class P, for a face value of USD 3.6 million, with due in March 2004, accruing interest at 8.5%.

Class Q, for a face value of US\$ 3.98 million, with two principal amortization installments: the first equivalent to 10% of the face value settled on the same day of issuance, April 25, 2003, and the remainder in April 2008, at an interest rate of 5.625%. As of December 31, 2003, the Company is carrying US\$ 760,000 of such issuance in its own portfolio.

Class R, for a face value of USD 100 million, with due in October 2013, accruing interest at 9.375%.

*b) US\$1.2 billion program*

As of December 31, 2003, under the medium-term Global Program which date for the issuance of new notes expired in June 1998, the following classes of general unsecured notes were outstanding, ranking pari passu in right of payment with all other unsecured and unsubordinated obligations of the Company:

- Fourth Series, for US\$ 22.8 million, payable in a single installment in January 2004, at a 9% fixed annual rate.
- Sixth Series, for US\$ 32.6 million, payable in a single installment in July 2007, at a 8.125% fixed annual rate.

The proceeds from all issuances, were used to refinance liabilities, increase working capital, for capital expenditures of fixed assets located in Argentina or capital contributions to affiliates.

The obligations arising out of issuances, are disclosed net of the issuance discounts to be accrued. The deferred cost for such issuances are included in Prepaid expenses and interests within Other receivables account.

*III. Cross default covenants*

Class F, G, H, I, N, O, P, Q and R notes include cross default covenants, whereby the Trustee, as instructed by the noteholders representing at least 25% of the related outstanding capital, shall declare all the amounts owed due and payable, if any debt of the Company or its significant subsidiaries is not settled upon the maturity date, provided that those due and unpaid amounts exceed the higher of US\$ 25 million or 1% of Petrobras Energía's shareholders' equity upon those maturities, and that the default has not been defeated or cured within 30 days after the Company has been served notice of the default.

Class K and M notes include cross default covenants, whereby the Trustee, as instructed by the noteholders representing at least the majority of the respective outstanding capital, shall declare all the amounts owed due and payable, if any debt of the Company or its significant subsidiaries is not settled upon the maturity date, provided that those due and unpaid amounts exceed the higher of US\$ 15 million or 1% of Petrobras Energía's shareholders' equity upon those maturities.

Class C notes issued under the US\$2.5 billion program, as well as certain loan agreements, include cross default covenants, whereby the Trustee or the creditor bank, as appropriate, shall declare all the amounts owed as due and payable, if any debt of the Company is not settled upon the maturity date, provided that those due and unpaid amounts exceed the amount of US\$ 10 million or 1% of Petrobras Energía's shareholders' equity in relative terms, upon those maturities.

The remaining outstanding amount of the Fourth and Sixth Series and Class B notes does not include cross default covenants, as unanimously decided by the special meetings held by the noteholders of those series on July 10, 2002.





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*IV. Covenants*

In relation to the issuance of Class K and M notes and medium-term credit instruments ( the refinanced financial debt ), while some portion of the debt remains unpaid, the Company shall be subject to the compliance with a series of restrictions and obligations, which include, among others, the following:

- i) Restrictions on liens: Petrobras Energía shall not create, except for limited number exceptions, any lien upon the whole or any part of its assets and its current or future income, including any right to earn income, unless it grants identical security interests to the refinanced financial debt.
- ii) Restrictions on the payment of dividends: Petrobras Energía shall not distribute cash dividends prior to December 31, 2004, in cash exceeding US\$ 650,000. As an exception, Petrobras Energía could make a sole payment of extraordinary dividends to its shareholders up to US\$ 19 million, based on whether Petrobras Participaciones allocates its share of distributed dividends to settle Petrobras Participaciones s payable to Petrobras Energía. On July 8, 2003, Special and Regular Shareholders meeting approved the payment of an extraordinary cash dividend for an amount equivalent in pesos to the above mentioned amount. After this date, the aggregate amount paid shall not exceed 50% of the excess cash (cash provided by operating activities less aggregate capital expenditures allowed, up to the amount of actual capital expenditures, less financial debt repaid) for the immediately preceding fiscal year, less the extraordinary dividends paid.
- iii) Restrictions on capital expenditures: Petrobras Energía shall not make any capital expenditure, including the amount of debt incurred in relation thereto, in excess of US\$ 425 million in 2003, US\$ 450 million in 2004, US\$ 425 million in 2005 and US\$ 475 million in 2006 and 2007. These limits shall be increased by: (i) proceeds from the sale of capital assets, (ii) 50% of the excess cash for the prior fiscal year, (iii) contributed capital for capital increases, subordinated debt and project finance, and (iv) 50% of contributed capital for new debt issuance. Otherwise, the aggregate dividends paid shall decrease the limit of capital expenditures.
- iv) Restrictions on the incurrence of financial debt: Petrobras Energía shall not incur any financial debt as long as, after the estimation thereof, the ratio of: (A) consolidated financial debt, and (B) consolidated EBITDA (defined as gross profit less administrative, selling and exploration expenses, plus depreciation and amortization, dividends and advisory services collected) exceeds 3.5. The referred restriction shall be not applicable to subordinated debt, debt resulting from the investment project finance and that incurred to settle the existing debt.
- v) Restrictions on the ratio of consolidated financial debt (excluding subordinated debt) and consolidated EBITDA: the ratio of both shall not be greater than 4.5 in 2003, 3.5 in 2004 and 3 as from 2005 through 2007. For interim periods, the restriction will be weighted considering the period of four consecutive quarters prior to the end of the quarter.
- vi) Restrictions on the ratio of EBITDA to Interest: the ratio between both shall not be lower than 2.75 in 2003 and 3 as from 2004 through 2007. For interim periods, the restriction will be weighted considering a period of four consecutive quarters prior to the end of the quarter.
- vii) Restrictions on the maturity date of the financial debt: at any time, the short-term financial debt shall not exceed an amount equal to US\$ 650 million.
- viii) Export obligation: the exports to total principal services (principal repayments, plus accrued interest) ratio for Series K shall be higher than 1.1.
- ix)

Mandatory financial debt redemption: Within a term that shall not exceed 120 days as from fiscal year-end, the Company shall mandatorily redeem on a pro rata basis a portion of the refinanced financial debt of up to 50% of the excess cash during such fiscal year. Likewise, proceeds from the sale of assets, excluding those that constitute the business purpose, not reinvested within 360 days, and the 50% of the cash proceeds from new debt, shall be used to prepay the refinanced financial debt.

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*V. Financing of the Genelba Electric Power Generation Plant*

The investment was financed through debt granted by international banks, which are being semiannually repaid from June 1998 over a period of 10 years. They may be settled in advance at any time, at Petrobras Energía's discretion, and the remainder with the use of cash inflows. The debt may be prepaid at any time at Petrobras Energía's option. As of December 31, 2003, the amounts outstanding from the financing of the plant were US\$ 51 million, of which US\$ 20 million is related to a contract which contains restrictive covenants, including restriction on selling or leasing more than 40% of the plant during the year in which the debt is outstanding.

*VI. Loan from International Finance Corporation ( IFC ) to Innova S.A. ( Innova )*

In October 1999, Innova executed a long-term loan agreement for US\$80 million comprising tranches A and B of US\$20 million and US\$60 million, respectively. Amortization of principal will be as from June 2002, in 16 and 12 semiannually installments for tranches A and B, respectively. The originally applicable interest rate is LIBOR plus 3.25%.

The loan was secured by a mortgage on certain real property owned by Innova. In addition, unless certain conditions indicated in the loan agreement occur, Petrobras Energía guarantees its timely payment.

The IFC financing was completed by issuing preferred stock in the amount of US\$5 million, fully paid-in during December 1999.

Certain covenants in the agreement prescribe restrictions in relation to dividends, investments in property, plant and equipment, restrictions upon the transfer, sale or rental of an important part of the assets, incurring long-term debt and providing mortgages. In addition, Petrobras Energía directly or through its subsidiaries, is committed to retain a 51% participating interest in Innova's common stock.

The funds provided by the IFC were used to construct styrene and polystyrene plants in the Brazilian State of Rio Grande do Sul.

*VII. Payable for purchase of 10% interest of Distrilec*

In June 1999, the Company, through its subsidiary Petrobras Bolivia International S.A., or PBI, acquired a 10% interest in Distrilec for an amount of US\$ 101 million. The related payment was documented through a promissory note issued by PBI and secured by Petrobras Energía for the benefit of Entergy, with a maturity date in June 2002, at a 7% annual fixed rate. The note was later transferred to a financial trust located in Argentina through a securitized transaction, whereby bonds denominated in US dollars were issued and placed among Argentine investors.

Upon the promissory note maturity date, the Company and holders of trust certificates represented contrary interpretations with respect to the application to that debt of measures related to the conversion into pesos (dedollarization) of payable obligations stated in foreign currencies issued under the Public Emergency and Foreign Exchange System Reform Law. At the request of the trustee, the Company started a mediation process to reach an agreement that documents the debt payment. This agreement expired without fulfilling its terms and conditions.

In November 2002, PBI irrevocably transferred all its rights and duties by virtue of the promissory note issuance to Petrobras Energía. Afterwards, on January 8, 2003, Petrobras Energía launched a Class N corporate bonds swap offer for a face value amounting up to US\$ 101 million maturing in 2011, for all and each of the debt securities, stating that such offer was not a waiver or release from any of the Company's rights in favor of the conversion of the abovementioned promissory note in Argentine pesos, or an acknowledgement or acceptance of any claim against such conversion.



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Petrobras Energía has received and accepted offers from debt security holders equivalent to 96.0594% of their outstanding face value. To offset this, and according to the conditions of the swap offer, the Company issued class N corporate bonds amounting to a face value of US\$ 97 million. Given that the terms and conditions of the new debt instruments differ substantially from the original as regards both maturity and financial expense, upon refinancing, the Company recognized a new liability that has been measured in accounts on the basis of the best estimate of the discounted value of total amount payable. On such a basis, the original liability was reduced to US\$ 77 million, giving rise to a gain of 34.

On April 16, 2003, the Company launched an offer to exchange every and all trust debt securities that had not been entered into the previous exchange for Class Q Corporate Bonds for an aggregate face value of up to US\$ 4 million and maturing in 2008. Due to the offers received, the Company issued Class Q for a face value of US\$ 3.98 million.

As of December 31, 2003, the Company offset in its accounts the receivable resulting from its holding of trust debt-securities against the payable resulting from the promissory note issued by PBI, which amounted to about US\$ 100.24 million, considering that it has the financial capacity to settle it in full.

### *VIII. Distrilec Indebtedness*

Certain loan agreements entered into by Edesur S.A. contain cross-default covenants, whereby creditor banks are entitled to declare all amounts owed to be due and payable if any debt item is not paid when due and the outstanding past due amounts exceed the respective stipulations in the agreements.

Some of the abovementioned agreements include cross-acceleration covenants, whereby the creditor banks are entitled to declare all amounts owed to be due and payable in the event of Edesur S.A. being subject to the acceleration of any other debt in circumstances provided for in such agreements.

As of the date of issuance of these financial statements, the Company is negotiating with creditor banks the refinancing and/or the manner of repayment of certain short-term loans. Based on the results of other refinancings obtained by Edesur S.A. during 2002, such company's financial statements have been prepared assuming that it will reach agreements with its creditors allowing it to avoid the default situations mentioned above. This assumption remained unchanged for purposes of the proportional consolidation of Distrilec S.A.

### *IX. Loan agreement signed between Petrobras Energía Venezuela S.A. and the IFC*

In July 2003, Petrobras Energía Venezuela S.A., a wholly-owned subsidiary of Petrobras Energía, executed loan agreements in the amount of US\$ 105 million with the International Finance Corporation.

In December 2003, the first principal installment was disbursed in the amount of USD 70 million.

The loan is primarily composed of Tranche A for USD 80 million, maturing in a term of eight years and a half, including one grace period, payable semiannually and at an annual LIBO nominal rate + 4.75%, and Tranche C for USD 25 million, maturing in a term of 9 years and a half.

These loans will be used in executing the investment plan related to the development of the Company's oil reserves in Venezuela in the Acema, Mata, La Concepción and Oritupano Leona areas.

The Company believes that the IFC will disburse the financing remainder during 2004.

### *X. CIESA and TGS indebtedness*

As of December 31, 2003, CIESA's financial debt relates to the issuance of corporate bonds with a par value of up to USD 220 million and with original maturity in April 2002.

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In the wake of the new Argentine macroeconomic situation, as from the enactment of Public Emergency Law (see Note 9.IV Situation of interests in public utility companies ), CIESA did not pay the principal and the last interest installment upon maturity and obligations under cap and collar agreements.

CIESA's Management is currently negotiating with the creditors to agree to extend the term to fulfill the related payment. In relation to those negotiations, CIESA has engaged an international prestigious financial advisor. No pledges have been made by CIESA's shareholders to provide financial aid.

On February 24, 2003, TGS started a global rescheduling process of USD 1,027 billion of its current financial indebtedness, which represents almost the entire debt. This process is primarily intended to spread out the maturity dates in the short term, change certain financial restrictions included in the financial agreements and adjust the interest rate and amortization term, so as to adjust the cash flows required for the debt repayment to the estimated cash flows, without requiring debt principal reductions.

Based on TGS's proposal to its creditors, the debt rescheduling agreement would be implemented through the out-of-court composition agreement ( APE ), recently introduced by Argentine laws, whereby the approval by two thirds of the creditors should be required for the judge's approval. As TGS could not meet this required majority, on May 14, 2003, it withdrew the referred rescheduling proposal and simultaneously announced the postponement of the interest payment.

As of the date of issuance of these financial statements, TGS continues to negotiate with its main creditors in order to achieve the financial debt rescheduling.

In the wake of the withdrawal of the debt rescheduling proposal and the postponement of the interest payment, TGS's indebtedness has been reclassified as Short-term debt , since, according to the financial agreements executed between TGS and its creditors, obligations may become due and payable.



**Table of Contents***XI. Detail of long-term debt*

Long-term debt as of December 31, 2003, are made up as follows:

Type	Amount	Currency	Annual interest rate
Financial institutions	43	US\$	Libor+0.125
	28	US\$	Libor+0.75
	34	US\$	Libor+2.00
	23	US\$	6.15%
	81	US\$	Libor+5.75
	11	US\$	Libor+3.5
	17	US\$	5.73%
	20	US\$	4.68%
	24	US\$	3.54%
Investment agreement with IFC	125	US\$	Libor+3.25
	132	US\$	Libor+5.75
	74	US\$	Libor+1.50
Notes			
Class B	15	US\$	9.00%
Class C	277	US\$	Libor+2.50/3.00
Class F	190	US\$	7.875%
Serie Sixth	96	US\$	8.125%
Class G	735	US\$	9.00%
Class H	534	US\$	9.00%
Class I	1,027	US\$	8.125%
Class K	656	US\$	Libor+4
Class M	417	US\$	Libor+4.75
Class N	227	US\$	Libor+3
Class Q	11	US\$	5.625%
Class R	294	US\$	9.375%
Other	7		
	5,098		

(1)

The maturities of long-term debt as of December 31, 2003 and 2002, are as follows:

	2003	2002
From 1 to 2 years	1,055	994
From 2 to 3 years	480	1,051

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From 3 to 4 years	1,283	514
From 4 to 5 years	48	1,447
Over 5 years	<u>2,232</u>	<u>2,124</u>
	<u>5,098</u>	<u>6,130</u>

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**Table of Contents****13. Income tax and deferred tax**

The Company's provision for income taxes was comprised of the following:

	<u>2003</u>	<u>2002</u>	<u>2001</u>
Current	(48)	(66)	(268)
Deferred tax (loss) gain	30	(16)	(117)
	<u>          </u>	<u>          </u>	<u>          </u>
<b>Total income tax</b>	<b>(18)</b>	<b>(82)</b>	<b>(385)</b>
	<b><u>          </u></b>	<b><u>          </u></b>	<b><u>          </u></b>

The tax effect of the significant differences between the book value and the tax value of the Company's assets and liabilities and tax loss carryforwards are as follows:

	<u>2003</u>	<u>2002</u>
<b>Deferred tax assets</b>		
Tax loss carryforwards and other tax losses	1,898	2,146
Current investments	6	3
Reserve for contingencies	77	30
Pension plan obligations	7	7
Derivatives	216	149
Receivables	10	15
Other	66	2
Less-valuation allowance	(1,786)	(2,055)
<b>Deferred tax liability</b>		
Revenue Recognition	(33)	(4)
Current Investments	(14)	
Property, plant and equipment	(137)	(155)
Prepaid expenses	(25)	(32)
Investories	(16)	(19)
Discounted assets and liabilities	(11)	
Non-current investments	(124)	(18)
Other	(12)	(10)
	<u>          </u>	<u>          </u>
	122	59
	<b><u>          </u></b>	<b><u>          </u></b>

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The reconciliation of tax provision at the statutory rate to the tax provision, (before taxes) and the minority interest in the subsidiary s earnings (losses), is as follows:

	<b>2003</b>	<b>2002</b>	<b>2001</b>
Income (losses) before income tax and minority interests in the subsidiaries income (loss)	557	(1,525)	598
Statutory tax rate	35%	35%	35%
Statutory tax rate applied to income (loss) for the period	195	(534)	209
Permanent differences at income tax rate			
- Equity in (earnings) losses from noncurrent investments	(59)	85	37
- Inflation adjustment	116	(26)	34
- (Decrease) increase in allowances for tax loss carryforwards	(525)	1,176	
- Foreign (earnings) losses	277	(639)	(66)
- Tax on minimum presumed income		19	102
- Other	14	1	69
Income tax expense	18	82	385

Tax loss carryforwards and deferred losses include the following items and may be used through the dates indicated below:

<b>Items</b>	<b>2003</b>	<b>2002</b>	<b>2001</b>
General Tax loss carryforwards	1,691	1,867	324
Deferred losses	207	279	
	1,898	2,146	324
<b>Use up to</b>	<b>2003</b>	<b>2002</b>	<b>2001</b>
2004		58	8
2005	15	27	9
2006	43	54	11
2007	52	100	40
2008 and thereafter	1,788	1,907	256

1,898    2,146    324

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**14. Contingencies and environmental matters**

*a) Petrobras Energía Stamp Tax Contingency*

In previous years, Petrobras Energía received inquiries from some Argentine Provinces with the purpose of imposing stamp tax on instruments which, under effective legislation, are not subject to such tax. These actions are the consequence of a decision of the Supreme Court of the Province of Neuquén dated October 2, 1996 (in the case SOLBA vs. the Province of Neuquén) to the effect that an agreement that could be inferred from correspondence exchanged between the parties that did not meet the taxability requirements provided in the related Tax Code was, however, indeed subject to stamp tax. The Federal Supreme Court rejected the case on the basis of Section 280 of the Code of Procedures (considering there was no Federal issue involved or that the issue did not merit its attention).

In March and April 2001, the Federal Supreme Court changed its view and accepted its jurisdiction to hear the declaratory judgment filed by TGS, as described in c) below, whereby TGS expects the requests made by the Province of Santa Cruz and Río Negro to apply stamp tax on the agreements reached by mail and other acts related to the privatization process, to be considered illegitimate and contrary to the Argentine Constitution.

In July 2003, by virtue of the decision on the case Banco Río de la Plata S.A. vs. Province of La Pampa, the Federal Supreme Court of Justice reasserted the instrumentation requirement established by the Federal Revenue Sharing Law in connection with the performance of acts, agreements and transactions levied by stamp tax. On April 15, 2002, the Federal Supreme Court issued its judgment regarding the declarative judgment requested by TGS, upholding the latter's position to the effect that the instruments that are autonomously executable are not subject to the tax. Given that it is very recent, the Company is studying consequences that such ruling will have on its operations.

As of December 31, 2003, the estimated aggregate amount of claims, including interest and fines, is 70. The Company keeps booking a provision for the potential adverse effects of those claims amounting to 7. Setting an allowance is a conservative measure adopted to comply with the applicable accounting principles and, therefore, should not be considered as a recognition of the claim made.

*b) Environmental matters*

The Company is subject to extensive environmental regulation at both the federal and local levels in Argentina and in other countries in which it operates. Petrobras Participaciones's management believes that its current operations are in material compliance with applicable environmental requirements, as these are currently interpreted and enforced, including sanitation commitments assumed. Petrobras Participaciones and its subsidiaries have not incurred any material pollution liabilities as a result of their operations to date. Petrobras Participaciones undertakes environmental impact studies for new projects and investments and, to date, environmental requirements and restrictions imposed on such new projects have not had material adverse impact on Petrobras Participaciones's business. There are no significant lawsuits or administrative proceedings against the Company related to environmental issues.

The Company's management has produced policies, objectives and procedures relating to environmental care and control. Through its policies, the Company assumed the commitment to ensure product and service quality preserving the environment in which it operates, the safety and health of its personnel, contractor, and neighboring communities. Management believes that this policy is an integral part of its business and, therefore, it forms the framework within which each business area sets its annual objectives in this regard. This policy ratifies the commitment to meeting the applicable laws and implementing environmental management, quality, security, and occupational health systems.

The Company has over 90 Environment (ISO 14001), Quality (ISO 9001) and Security & Occupational Health (OHSAS 18001/IRAM 3800) certifications.

In view of this situation, the Company engaged an international consulting firm to conduct the environmental audit of its operations pursuant to effective laws, future requirements and, in light of the lack of local regulations, based on international environmental standards.

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The final audit report confirmed the high environmental standards under which the Company's operations are carried out and determined the necessary actions to be taken to implement the Security, Environment and Occupational Health Policy principles whereby the Company commits to preserving the environment where it operates, as well as the security and health of its personnel, contractors and neighboring communities.

Being responsible therefore and as a result of an environmental study, the Company will make investments of nearly USD 23 million in the coming years, which include improvements of prevention systems and production facilities. Additionally, several corrective and remediation actions will be taken, due to incurred damages according to which the Company booked a loss of P\$45 million in the fiscal year ended December 31, 2003.

*c) TGS stamp tax*

TGS has received inquiries from the Provincial Tax Bureaus of the Provinces of Neuquén, Río Negro, Santa Cruz and La Pampa, for an approximate amount of 813 (including interests and penalties), with the purpose of collecting stamp tax that, according to tax authorities, would be applicable to the Share-Transfer Agreement executed in the privatization of Gas del Estado (GdE) and the transportation services offers from TGS to its customers.

TGS filed declarative actions with the Federal Supreme Court, seeking that such court issue its opinion about the legitimacy of provincial claims and requiring that provinces be ordered to refrain from conducting any actions intended to collect the tax claimed until the Federal Supreme Court decides on the merits of the case. In all the cases, the Federal Supreme Court granted the precautionary measures requested by TGS.

TGS's management considers that agreements predating takeover date were not subject to provincial stamp tax as the parties to the agreement were stamp tax exempt. Furthermore, TGS's management believes that even if the agreements executed before takeover date had been subject to stamp tax, under the terms of the Transfer Agreement such tax should be borne by GdE or the Argentine government. As regards the remaining assessments, TGS's management is of the opinion that offers to render transportation services are not subject to the tax in question. TGS believes that, should it be determined that such offers are taxable, this should be considered a change in interpretation of tax law and, its impact should be reflected in the tariff according to regulations on the subject. Ente Nacional Regulador del Gas (ENARGAS, the federal gas regulatory agency) believes that the claims for stamp tax lack merit because it considers the tax unlawful.

*d) Fixed charges for connection with Transener*

The ENRE authorized, by Resolution No. 1650/98, an increase in the connection charge, in full compliance with effective rules and regulations. Many generation companies filed administrative appeals before the Energy Department seeking that such increase be reversed; the Energy Department rejected such appeals. Only Central Térmica Güemes S.A. filed an appeal directly with the Federal Administrative-Contentious Court of Appeals, which decided in favor of the request. Transener and the ENRE filed an extraordinary appeal before the Supreme Court of Justice of the Nation. On June 27, 2003, the appellate court allowed the appeal before the Supreme Court. The case was referred to the Supreme Court and is pending resolution.

As reported by the legal counsel, Transener considers that the final outcome of this issue will not give rise to any significant obligation. Therefore, no provisions have been booked in this regard.

*e) Contractual commitments, warranty bond, suretyships and guarantees granted*

The warranty bonds, suretyships and guarantees as of December 31, 2003, which are not disclosed in the remaining notes, amount to 57.





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In addition, as of December 31, 2003, the Company had the following contractual commitments:

	<b>Total Units</b>	<b>Total</b>	<b>Until</b>
		<b>(In millions of pesos)</b>	
<b>Purchase Commitments</b>			
Ship or pay agreement with OCP (in bbls/ day) (1)	80,000	3,298	2018
Long term service agreement (in millions of USD)	47	141	2006
Gas transportation agreement with TGS (in MMm3)	11,873	300	2014
Ethylene (in thousands of tons)	337	550	2015
Benzene (in thousands of tons)	930	1,233	2015
<b>Sales commitments</b>			
Natural gas (in MMm3)	18,854		2019
Styrene (in thousands of tons)	56		2004
Electric power (in MWh)	329,115		2004

(1) Equivalent to about USD 200,000 per day.

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**Table of Contents***f) Reserves for contingencies*

The movements of reserves for contingencies were as follows:

<b>Account</b>	<b>Balances at beginning</b>	<b>Net increase (decrease)</b>	<b>Balances at end</b>
<b>Deducted from assets:</b>			
Current			
For investments (a)	30	(7)	23
For doubtful accounts	27	15	42
For other receivables	72		72
Inventories obsolescence	3	1	4
	<u>132</u>	<u>9</u>	<u>141</u>
Noncurrent			
For investments (a)	68	(58)	10
For property, plant & equipment (b)	44	18	62
Inventories obsolescence		2	2
	<u>112</u>	<u>(38)</u>	<u>74</u>
2003	<u>244</u>	<u>(29)</u>	<u>215</u>
2002	<u>208</u>	<u>36</u>	<u>244</u>
<b>Included in liabilities:</b>			
Current			
Labor and commercial contingencies	28	16	44
	<u>28</u>	<u>16</u>	<u>44</u>
Noncurrent			
Labor and commercial contingencies	24	51	75
Operations in Ecuador	62	140(c)	202
	<u>86</u>	<u>191</u>	<u>277</u>
2003	<u>114</u>	<u>207</u>	<u>321</u>

2002	96	18	114
	<u>          </u>	<u>          </u>	<u>          </u>

a) See Note 9.IV and 10.

b) See Note 10.

c) Includes a charge for 2003 fiscal year in the amount of 269, a transitory translation difference amounting to (10) and reclassification for (119) to account payable

## **15. Contribution, benefit pension and stock option plans of Petrobras Energía**

### **a) Contribution and benefit pension plans**

#### *Defined contribution plan:*

The Company sponsors a defined contribution plan that applies to all employees of Petrobras Energía with salaries above a specified level. Through this plan, the Company matches contributions by employees which are in excess of legally required amounts. Such contributions are charged to expenses in the year they are paid. Due to the significant changes in the Argentine economic scenario and the uncertainties posed by the Argentine economic conditions, as from January 2002, Petrobras Energía has suspended, at the moment, this benefit. Such benefit will be reestablished as soon as there is a social security savings means considered adequate to such end.

#### *Defined benefit pension plan:*

All employees of the Company, that take part without interruption in the defined contribution plan, that have joined the Company prior to May 31, 1995, and that qualify subject to certain years of service, are

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participants in this plan. The employee benefit is based on the last computable salary and years of service of the employee.

The plan is of a supplemental nature, that is to say the benefit to the employee is represented by the amount determined under the provisions of this plan, after deducting benefits payable to the employee under the contribution plan and the public retirement system, in order that the aggregate benefit to each employee from the three plans equals the one stipulated in the plan. Once retired, the employees are entitled to a fixed monthly payment.

The plan calls for a contribution to a fund exclusively by the Company and without any contribution by the employees, provided that they should make contributions to the retirement system for their whole salary. Assets of the fund were contributed to a trust and they are invested mainly in bonds, corporate bonds, mutual funds, and certificates of deposits. The Bank of New York is the trustee and Watson Wyatt is the managing agent. The Company determines the liability related to this plan by applying actuarial calculation methods. As of December 31, 2003, the most relevant actuarial information on the defined-benefits pension plan is as follows:

Plan assets	47
Projected benefit obligations	(51)
	<hr/>
Position uncovered	(4)
Unrecognized actuarial gain	(3)
	<hr/>
Net liability recognized	(7)
	<hr/>

According to its By-laws, the Company contributes to the fund through a contribution proposed to the Shareholders meeting by the Board of Directors and can increase up to a maximum of 1.5% of the net income for the year. During the years ended December 31, 2003, 2002, and 2001, the Board of Directors did not make use of this power.

Should there be an excess (duly certified by an independent actuary) of the funds under the trust agreement to be used to settle the benefits granted by the plan, the Company will be entitled to make a choice and use such excess, in which case it would have to notify the trustee thereof.

During the last quarter of 2002, Petrobras Energía admitted the advanced collection of this plan by beneficiaries should they expressly state so. All the individuals that exercised the abovementioned option before February 13, 2003, have lost their rights to collect their retirement supplement, thus they are no longer plan beneficiaries.

b) Stock option plan

The Board of Directors of Petrobras Energía approved the application of a long-term incentive program for the purpose of aligning the interests of officers and shareholders.

As part of this program, the Board of Directors of Petrobras Energía approved the Plans for year 2001 ( 2001 Plan ) and for year 2000 ( 2000 Plan ), focused on senior officers of Petrobras Energía. Both plans consist in granting the right to exercise certain options to receive Petrobras Participaciones shares or the cash equivalent at market, as described below:

2001 Plan

- i. 5,364,125 options to receive the value arising from the positive difference between the average listed price of Petrobras Participaciones shares on the New York Stock Exchange during the 20 days prior to exercising the option and 1.64 Argentine pesos per share, for such number of shares ( appreciation rights ).

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Regarding these options, 1,609,237 options may be exercised as from March 5, 2002, 1,609,238 options may be exercised as from March 5, 2003, and 2,145,650 options as from March 5, 2004. As of December 31, 2003 and March 31, 2004 the exercised options amount to 967,152 and 2,834,550, respectively.

- ii. 596,014 options to receive the same number of shares at no cost for the beneficiary. These options may be exercised as from March 5, 2005 ( full value ).

Beneficiaries of this plan will be entitled to exercise their rights until March 5, 2007, from the dates mentioned above.

**2000 Plan**

- i. 3,171,137 options to receive the value arising from the positive difference between the average listed price of Petrobras Participaciones shares on the New York Stock Exchange during the 20 days prior to exercising the option and 1.48 Argentine pesos per share, for such number of shares ( appreciation rights ).

Regarding these options, 951,341 options may be exercised as from May 29, 2001, 951,341 options may be exercised as from May 29, 2002, and 1,268,455 options as from May 29, 2003. As of December 31, 2003 and March 31, 2004, the exercised options amount to 1,232,692 and 2,275,589, respectively.

- ii. 352,347 options to receive the same number of shares at no cost for the beneficiary. These options may be exercised as from May 29, 2004 ( full value ).

Beneficiaries of this plan will be entitled to exercise their rights until May 29, 2006, from the dates mentioned above.

The cost of such benefit is allocated on proportional basis to each year within the exercise years and adjusted in accordance with the listed price of the share. Accordingly, an amount of 8 was charged to operating expenses for year ended December 31, 2003.

**16. Capital stock and restrictions on unappropriated retained earnings**

As of December 31, 2003 the Company's capital stock totaled 2,132 fully subscribed, issued, paid-in and registered.

Changes in capital stock in the last three fiscal years:

	<b>December, 31</b>		
	<b>2003</b>	<b>2002</b>	<b>2001</b>
Common stock face value	\$ 1	1	1
Class A: 5 votes per share			628
Class B: 1 vote per share	2,132	2,132	1,504
	2,132	2,132	2,132

Since January 26, 2000, the Company Class B shares are listed on the Buenos Aires Stock Exchange and on the New York Stock Exchange.

Based on the change in the interest control described in Note 21, on October 17, 2002, the BCBA (Buenos Aires Stock Exchange) authorized the conversion of class A common shares into the same number of class B common shares and their admission into the listing system. In addition, the CNV approved their public offer.

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**Table of Contents****17. Other receivables, other liabilities, other exploitation income, and other expenses, net.**

	2003		2002	
	Current	Noncurrent	Current	Noncurrent
a) Other receivables				
Joint ventures	53		74	
Related companies (Note 18)	3		4	
Tax credits	287	73	251	116
Advisory services to other companies	40		30	
Receivables from the sale of companies	89	16	3	25
Premiums and derivatives collateral payments			30	11
Letters of credit advances	175		143	
Prepaid expenses and interest	66	22	83	50
Gas oil supply stability agreement			12	
Other collaterals	23			
Other	125	20	104	18
	<u>861</u>	<u>131</u>	<u>734</u>	<u>220</u>

	2003		2002	
	Current	Noncurrent	Current	Noncurrent
b) Other liabilities				
Sale of capital fees (1)	107		126	122
Debt for investments in companies	16			
Derivatives	102	98		268
Unified Fund Basic Price of Electric Power (Note 11)	5	5		13
Related companies (Note 18)			48	
Financial advances	34		34	
Accrual for expenses				
- Environmental remediation		66		18
- Other	52		71	
Innova preferred stock		17		17
Abandonment cost in oil & gas areas		73		57
Joint ventures	7		16	
Other	56	3	49	1
	<u>379</u>	<u>262</u>	<u>344</u>	<u>496</u>

- (1) In December 2001, the Company, through its subsidiaries Petrobras Energía Venezuela S.A. and Corod Producción S.A., assigned to an international lending institution a part of the capital fees (related to investments made by such companies) to be collected from PDVSA, as provided by the Oritupano Leona Consortium Service Agreement (see Note 6), in the amount of US\$ 120 million. Capital fees assigned are settled by PDVSA in twelve quarterly, equal, and consecutive installments starting February 2002. This transaction was made net of the discount made at LIBOR plus 2.75%. In order to guarantee the lending institution that PDVSA will meet the obligations under this agreement, the Company assigned an additional part of the capital fees to be collected from PDVSA in the amount of US\$ 10 million. Should PDVSA not settle any amount payable on this account by the due-date, exclusively in the event that such noncompliance stems from any commercial challenge or claim that such company may have with respect to billings for investments made, the Company may choose to assign the lending institution additional capital fees in an amount equivalent to that challenged, or else it may settle the payable in cash. This assignment does not release Consortium members from the obligations under the previously mentioned service agreement.

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	<u>2003</u>	<u>2002</u>	<u>2001</u>
c) Other exploitation (expenses) income, net			
Advisory services to other companies	36	37	57
Idle facilities	(7)	(10)	(11)
Environmental remediation expenses	(58)	(15)	
Taxes on bank transactions	(45)	(37)	(15)
Contingencies	(57)		
Other, net	10	(3)	(8)
	<u>          </u>	<u>          </u>	<u>          </u>
	(121)	(28)	23
	<u>          </u>	<u>          </u>	<u>          </u>

	<u>2003</u>	<u>2002</u>	<u>2001</u>
d) Other expenses, net			
Income (loss) from sale of:			
- Pecom Agra S.A.		81	
- Pecom Agropecuaria S.A.		27	
- Cerro Vanguardia S.A.		123	
- Catriel Oeste field	(28)		
- Faro Vírgenes field	(11)		
- San Carlos field		(37)	
- Forestry activity	12	(153)	
- Pampa del Castillo La Guitarra and Terminales Maritimas Patagónicas S.A.			(65)
- Other assets		(5)	
Asset impairment of:			
- Operations in Ecuador	(309)	(63)	
- Gas producing areas	(37)	(44)	
- Hidroneuquén S.A.		(10)	
- Impairment of allocated purchased price related to CIESA			(202)
- Other assets	(12)	(8)	(15)
Projects		(5)	(4)
Loans granted to exploitation partners in Venezuela	(27)	(42)	
Debt restructuring		(17)	
Income from assets exchange			251
Discounted values for assets and liabilities	17		
Reversal of provision for TGS rates increase			(64)
Other, net	(26)	(34)	11
	<u>          </u>	<u>          </u>	<u>          </u>
	(421)	(187)	(88)
	<u>          </u>	<u>          </u>	<u>          </u>



**Table of Contents****18. Balances and transactions with related companies**

The outstanding balances from transactions with related companies are as follows:

Company	2003				
	Current				Noncurrent
	Trade receivables	Other receivables	Accounts payable	Loans	Advances to Investments
Oleoductos del Valle S.A.			1		
Petroquímica Cuyo S.A.				6	
Oleoductos de Crudos Pesados Ltd.					127
EG3 S.A.	55		2		
Transportadora de Gas del Sur S.A.	9		4		
Refinería del Norte S.A.		3			
Petrobras Petroleo Brasileiro S.A.	10				
	—	—	—	—	—
Total	74	3	7	6	127
	—	—	—	—	—
Company	2002				
	Current				
	Investments	Trade receivables	Other receivables	Accounts payable	Other liabilities
Empresa Boliviana de Refinación S.A.	19				
Oleoductos del Valle S.A.				3	
Petroquímica Cuyo S.A.		1	2		
Petrobras Petroleo Brasileiro S.A.		17			
Transportadora de Gas del Sur S.A.				3	
Refinería del Norte S.A.		1	2	4	
Coroil S.A.					48
	—	—	—	—	—
Total	19	19	4	10	48
	—	—	—	—	—

The principal transactions with affiliates for the years ended December 31, 2003, 2002 and 2001, were as follows:

2003	2002	2001
------	------	------

Company	Purchases	Sales	Purchases	Sales	Purchases	Sales
Oleoductos del Valle S.A.	17		14		20	
Transportadora de Gas del Sur S.A.	13		48		106	
Refinería del Norte S.A.	55	1	60		37	
Petrobras Petroleo Brasileiro S.A.		149		79		
EG3 S.A.	26	196		1		
Petroquímica Cuyo S.A.				5		9
Petrolera Entre Lomas S.A.			22			
	—	—	—	—	—	—
Total	111	346	144	85	163	9

In addition, losses on derivatives for the crude oil price hedge made with Petrobras International Finance Co. (PIFCO) amounted 12.

#### **19. Business segment and geographic consolidated information**

Petrobras Participaciones' s business is mainly concentrated in the energy sector, especially through its activities in oil and gas exploration and production, hydrocarbons marketing and transportation, refining, petrochemicals and electricity.

The Oil and Gas Exploration and Production segment is composed of Petrobras Energía' s directly held oil and gas operations and the operations of some of its subsidiaries and affiliates.

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The Refining segment includes Petrobras Energía's operations in Refinería San Lorenzo, and its interests in Refinería del Norte S.A. and Empresa Boliviana de Refinación S.A.

The Petrochemical segment includes Petrobras Energía's operations in PASA, and its interests in Innova S.A. and Petroquímica Cuyo S.A.

The Hydrocarbons Marketing and Transportation segment includes Petrobras Energía's operations of hydrocarbons trading and liquids processing and its interest in Transportadora de Gas del Sur S.A., Oleoductos del Valle S.A. and Oleoducto de Crudos Pesados Ltd.

The Electricity segment includes Petrobras Energía's operations in the Genelba plant and Pichi Picún Leufú Hydroelectric Complex, and its interest in Conuar S.A. (See Note 9.III), Edesur S.A., Transener S.A., Enecor S.A., Yacylec S.A. and Hidroneuquén S.A.

Assets and results of operations related to the Corporate Structure, those not attributable to any given business segment, discontinued operations including mining, farming, and forestry and related activities and intercompany eliminations are all disclosed together.

The applicable valuation methods to report business segment information are those described in Note 4 to these financial statements. The transfer prices of inter-segment transactions are the respective market prices.

The following information shows total assets, total liabilities and net income (loss) for each of the business segments identified by Petrobras Participaciones's management:

	<b>Oil and Gas</b>					<b>Corporate, Other</b>	
	<b>Exploration</b>		<b>Hydrocarbons Marketing and</b>			<b>Discontinued Investments and</b>	
	<b>and</b>		<b>Transportation</b>		<b>Electricity</b>	<b>Eliminations</b>	<b>Total</b>
	<b>Production Refining</b>	<b>Petrochemical</b>	<b>and</b>	<b>and</b>			
Total assets 2003	7,809	642	1,100	3,096	2,461	1,030	16,138
Total liabilities 2003	3,742	179	361	2,078	592	3,461	10,413
Total assets 2002	8,764	592	1,280	258	2,581	1,174	14,649
Total liabilities 2002	4,577	192	688		798	3,386	9,641

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	<b>2003</b>						<b>Total</b>
	<b>Oil and Gas Exploration and Production</b>	<b>Refining</b>	<b>Petrochemicals</b>	<b>Hydrocarbons Marketing and Transportation</b>	<b>Electricity</b>	<b>Corporate, Other Discontinued Investments and Eliminations</b>	
Statement of income							
Net sales							
To third parties	1,785	1,231	1,294	502	680	2	5,494
Inter-segment	944	71		19	11	(1,045)	
	<u>2,729</u>	<u>1302</u>	<u>1294</u>	<u>521</u>	<u>691</u>	<u>(1,043)</u>	<u>5,494</u>
Cost of sales	(1,448)	(1,179)	(982)	(281)	(523)	1,027	(3,386)
	<u>1,281</u>	<u>123</u>	<u>312</u>	<u>240</u>	<u>168</u>	<u>(16)</u>	<u>2,108</u>
Gross profit							
Administrative and selling expenses	(178)	(57)	(110)	(34)	(73)	(107)	(559)
Exploration expenses	(196)						(196)
Other exploitation income (expense), net	(46)	(12)	(17)	(1)	17	(62)	(121)
	<u>861</u>	<u>54</u>	<u>185</u>	<u>205</u>	<u>112</u>	<u>(185)</u>	<u>1,232</u>
Exploitation income (loss)							
Equity earnings of affiliates	19	22	16	16	90		163
Other income (expense)	(943)	10	(39)	26	(19)	(49)	(1,014)
	<u>(63)</u>	<u>86</u>	<u>162</u>	<u>247</u>	<u>183</u>	<u>(234)</u>	<u>381</u>

**2002**

	<b>2002</b>						<b>Total</b>
	<b>Oil and Gas Exploration and Production</b>	<b>Refining</b>	<b>Petrochemicals</b>	<b>Hydrocarbons Marketing and Transportation</b>	<b>Electricity</b>	<b>Corporate, Other Discontinued Investments and Eliminations</b>	



## Statement of income

Net sales							
To third parties	2,033	942	1,254	16	755	106	5,106
Inter-segment	773	66			11	(850)	
	<u>          </u>	<u>          </u>	<u>          </u>	<u>          </u>	<u>          </u>	<u>          </u>	<u>          </u>
	2,806	1008	1254	16	766	(744)	5,106
Cost of sales	(1,600)	(944)	(892)	(11)	(608)	771	(3,284)
	<u>          </u>	<u>          </u>	<u>          </u>	<u>          </u>	<u>          </u>	<u>          </u>	<u>          </u>
Gross profit	1,206	64	362	5	158	27	1,822
Administrative and selling expenses	(224)	(48)	(122)	(2)	(92)	(121)	(609)
Exploration expenses	(58)						(58)
Other exploitation income (expense), net	(22)	(16)	11	13	23	(37)	(28)
	<u>          </u>	<u>          </u>	<u>          </u>	<u>          </u>	<u>          </u>	<u>          </u>	<u>          </u>
Exploitation income (loss)	902		251	16	89	(131)	1,127
Equity earnings (losses) of affiliates	2	20	(10)	(470)	(239)	59	(638)
Other income (expense)	447	190	190		271	(3,166)	(2,068)
	<u>          </u>	<u>          </u>	<u>          </u>	<u>          </u>	<u>          </u>	<u>          </u>	<u>          </u>
Net income (loss)	<u>1,351</u>	<u>210</u>	<u>431</u>	<u>(454)</u>	<u>121</u>	<u>(3,238)</u>	<u>(1,579)</u>

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	<b>2001</b>						<b>Total</b>
	<b>Oil and Gas</b>	<b>Hydrocarbons</b>		<b>Corporate, Other</b>		<b>Eliminations</b>	
	<b>Exploration</b>	<b>Refining</b>	<b>Petrochemicals</b>	<b>Marketing and Transportation</b>	<b>Electricity</b>		
	<b>and Production</b>						
Statement of income							
Net sales							
To third parties	1,502	788	809	695	1,248	128	5,170
Inter-segment	473		9		38	(520)	
	<u>1,975</u>	<u>788</u>	<u>818</u>	<u>695</u>	<u>1286</u>	<u>(392)</u>	<u>5,170</u>
Cost of sales	(1,188)	(711)	(666)	(297)	(906)	421	(3,347)
	<u>787</u>	<u>77</u>	<u>152</u>	<u>398</u>	<u>380</u>	<u>29</u>	<u>1,823</u>
Gross profit							
Administrative and selling expenses	(167)	(59)	(95)	(37)	(137)	(170)	(665)
Exploration expenses	(41)						(41)
Other exploitation income (expense), net	(4)	(13)	2	17	44	(23)	23
	<u>575</u>	<u>5</u>	<u>59</u>	<u>378</u>	<u>287</u>	<u>(164)</u>	<u>1,140</u>
Exploitation income (loss)							
Equity earnings of affiliates	6	14	4	26	24	45	119
Other income (expense)	34	(7)	(53)	(511)	(179)	(442)	(1,158)
	<u>615</u>	<u>12</u>	<u>10</u>	<u>(107)</u>	<u>132</u>	<u>(561)</u>	<u>101</u>
Net income (loss)							

The following information shows total assets and net sales by geographic area.

	<b>2003</b>							<b>Total</b>
	<b>Argentina</b>	<b>Venezuela</b>	<b>Bolivia</b>	<b>Perú</b>	<b>Brazil</b>	<b>Ecuador</b>	<b>Other</b>	
Total assets	10,269	3,544	461	678	547	586	53	16,138
Net sales	3,804	594	108	374	502	115	2	(5) 5,494

**2002**

	<u>Argentina</u>	<u>Venezuela</u>	<u>Bolivia</u>	<u>Perú</u>	<u>Brazil</u>	<u>Ecuador</u>	<u>Other</u>	<u>Eliminations</u>	<u>Total</u>
Total assets	7,744	3,886	379	908	722	751	259		14,649
Net sales	3,368	700	112	359	561	28	3	(25)	5,106

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**2001**

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	<u>Argentina</u>	<u>Venezuela</u>	<u>Bolivia</u>	<u>Perú</u>	<u>Brazil</u>	<u>Ecuador</u>	<u>Other</u>	<u>Eliminations</u>	<u>Total</u>
Net sales	4,122	489	84	182	297			(4)	5,170

**20. Argentine s economic situation**

Argentina is under a serious economic situation that is mainly characterized by the high foreign debt level, a financial system in crisis, a country risk that reached unprecedented international levels and an economic recession. This situation has generated a major fall in product and service demand, a significant increase in unemployment levels, and has hampered the Argentine Government s ability to meet its obligations thus declaring the default on public debt services at the end of 2001.

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In order to address the crisis in which Argentina is enmeshed by, since December 2001, Argentine authorities implemented a number of monetary and exchange control measures that mainly included restrictions on the free disposition of funds deposited with banks and the practical impossibility of making transfers abroad, with the exception of transfers related to foreign trade and other authorized transactions subject, in some cases, to the previous authorization of the Central Bank of Argentina ( BCRA ).

The obligation was established to deposit with Argentine banks foreign currency arising from exports, as long as no prior exemption mechanisms were in place. In this regard, Executive Decree No. 1,589/89 establishes that producers with free availability of crude oil, natural gas and/or liquefied gases under the terms of Law No. 17,319 and supplementary executive orders, and producers who agree so in the future, shall have the free availability of the percentage of funds established by the bids and/or renegotiations, or provided in the respective agreements, in which case they shall not be required to pay and settle the funds related to that percentage. In all cases, the freely available maximum percentage of funds shall not exceed 70% of each transaction. No assurance can be given whether the government will not amend the above mentioned system in the future.

Later, the Federal Government declared the official default on foreign debt payments and, on January 6, 2002, the Argentine Congress approved Law No. 25,561 on Public Emergency and Exchange System Reform that introduced dramatic changes to the economic model implemented until that date which resulted in a significant devaluation of the peso with the ensuing rise in domestic prices.

The government measures included the switch into pesos of certain assets and liabilities denominated in foreign currency and held in Argentina and the rescheduling of bank deposits, subsequently enabling the option to convert deposits into ten-year bonds in US dollars, or three- or five-year bonds in pesos, of fixed-term bills; the issuance of Federal Treasury bonds to compensate the losses resulting from the asymmetrical switch into pesos of the receivables and payables mentioned above; the switch into pesos of all private agreements executed before January 6, 2002, at the exchange rate of US\$ 1 = ARS 1 and their subsequent indexation by the CER; the de-dollarization and elimination of indexation on public utility service rates, with rates remaining set at the exchange rate of US\$ 1 = ARS 1; and imposing duties on the export of oil and gas and their derivatives.

On March 5, 2003, the Supreme Court declared that the conversion of deposits denominated in U.S. dollars into Argentine pesos was not constitutional. The Supreme Court authorized the claim of the Province of San Luis to redollarize its deposits. Although this decision does not generalize the redollarization, it constitutes an important background for the remaining bank deposits converted into pesos, regarding the treatment of the rest of the actions initiated in connection with de-dollarized bank deposits.

Since 2002, the Argentine federal government has implemented several measures relaxing controls and restrictions on economic activity and fostering the gradual normalization of the foreign exchange market and commercial and financial flows. In this respect the measures included lifting the restrictions on demand deposits, relaxing restrictions on principal and interest payments to foreign creditors, increased latitude in the payment terms for capital goods exports and imports, easier access to foreign exchange markets by entities and individuals, and authorization for authorized foreign-exchange dealers to channel remittances abroad of earnings and dividends from fiscal years closed and with financial statements certified by external auditors.

On September 22, 2003, the Argentine government submitted to the bondholders a rescheduling plan related to Argentine bonds in default. By virtue of such plan, the Argentine bonds issued prior to December 31, 2001, would be eligible ( eligible debt ) for the proposed swap of bonds, maintaining a strict equity principle among all types and classes of creditors. The interest past due as from the default that took place in early 2002 would not be paid and the debt principal would be reduced by 75%. Negotiations are likely to be complicated as a result of the large number of creditors holding over 100 different bonds denominated in different currencies. The government's main objective is to

restore the solvency by improving the debt to GDP and debt service to tax revenues ratios in order to establish a new debt profile consistent with the Argentine payment ability.

These financial statements comprise the effects deriving from the new political, economic and foreign exchange regulations known as of their date of issuance. All the Company's Management estimations have been made considering such policies. The impact deriving from the additional measures to be implemented by Government and from putting those previously adopted in practice shall be booked once the Company's Management becomes aware of them.

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**21. Controlling Group**

On October 17, 2002, Petrobras Participacoes, S.L., a wholly-owned subsidiary of Petróleo Brasileiro S.A. PETROBRAS ( Petrobras ), acquired 58.6% of Petrobras Participaciones s capital stock from the Perez Compañ Family and Fundación Perez Compañ. Petrobras is a Brazilian company, whose business is concentrated on exploration, production, refining, sale and transportation of oil and its byproducts in Brazil and abroad.

**22. Summary of significant differences between accounting principles followed by the Company and US GAAP**

The Company s financial statements have been prepared in conformity with Argentine GAAP, which differ in certain respects from US GAAP. The differences are reflected in the amounts provided in Note 23 and relate to the items discussed in the following paragraphs. As explained in Note 3, several accounting changes were made in the year ended December 31, 2003 under Argentine GAAP on retroactive basis. As a result of such retroactive changes, the following discussions and the reconciliations, and other information presented in Note 23 and 24, were restated accordingly for figures corresponding to prior years under Argentine GAAP.

*a) Restatements of financial statements for general price-level changes*

Prior to September 1, 1995, Argentine GAAP required the restatement of non-monetary assets and liabilities into constant Argentine pesos as of the date of the financial statements. Effective September 1, 1995, the CNV passed General Resolution No. 272 which provided that public companies would no longer be permitted to present financial statements that were adjusted to recognize the effect of inflation prevailing after such date. Therefore for periods ending subsequent to September 1, 1995, and until December 31, 2001, there had been no further restatement of non-monetary items or recognition of monetary gains and losses. This resolution matched Argentine GAAP so long as the change in the price index applicable to the restatement did not exceed 8% per annum.

Due to the new inflationary environment in Argentina in 2002, and the conditions created by the Public Emergency Law, the Professional Council in Economic Sciences of the City of Buenos Aires ( CPCECABA ) approved on March 6, 2002 Resolution MD No. 3/2002 applicable to financial statements for fiscal years or interim periods ending on or after March 31, 2002. Resolution MD No. 3/2002 required the reinstatement of the adjustment-for-inflation method of accounting in financial statements, which provides that all recorded amounts be restated by changes in the general purchasing power through August 31, 1995, as well as those arising between that date and December 31, 2001 stated in currency as of December 31, 2001.

On July 16, 2002, the Argentine government issued Decree 1,269/02, instructing the CNV and other regulatory authorities to issue the necessary regulations for the delivery to such authorities of balance sheets or financial statements prepared in constant currency. On July 25, 2002, under Resolution No. 415/02, the CNV reinstated the requirement to submit financial statements in constant currency. As the inflation rate stabilized, on March 25, 2003, Decree 664/03 rescinded the requirement that financial statements be prepared in constant currency. On April 8, 2003, the CNV issued Resolution 441/03 discontinuing inflation accounting as of March 1, 2003. Through Resolution No. 287/03 the CPCECABA also discontinued inflation accounting, but as from October 1, 2003. Accordingly, inflation accounting for the period from March 1, 2003 to September 30, 2003 is required by the CPCECABA but not allowed by the CNV.

In accordance with the above, our financial statements for the fiscal years ended December 31, 2002 and 2001 were restated in constant pesos as of February 28, 2003 based on changes in the Argentine wholesale price index published by the INDEC. This price index does not reflect any specific variation in the price of products and services sold by us, and therefore, variations in gains (losses) for both periods include positive or negative price variations that may be higher or lower than the general price variation or price variations for the products or services sold by us. After March 1, 2003, in accordance with the CNV standards described above, we no longer apply adjusting-for-inflation accounting.

Under US GAAP, general price level adjusted financial statements are not required. However, pursuant to the SEC's rules, these adjustments are not removed when performing the reconciliation to US GAAP included in Note 23.

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*b) Capitalization of exchange differences*

Under Argentine GAAP, Resolution No. 3/2002 of the CPCECABA requires that exchange differences resulting from the peso devaluation on liabilities denominated in foreign currencies existing as of January 6, 2002, that are directly related to the acquisition, construction or production of property, plant and equipment, intangibles and long-term investments in other companies incorporated in Argentina, should be capitalized at the cost values of such assets, subject to a number of conditions.

As described in Note 4.o), as of December 31, 2003 and 2002, the Company records capitalized negative foreign exchange differences through its affiliates Citelec and CIESA.

Under US GAAP, foreign currency exchange gains or losses are recognized currently in income.

*c) Accounting for peso devaluation in January 2002*

Under Argentine GAAP, assets and liabilities in foreign currency as of December 31, 2001, have been valued at the P\$1=U.S.\$ 1 exchange rate that was in effect when transactions in the foreign exchange market were suspended. Accordingly, all the effects of the devaluation of the Argentine peso were recognized in the 2002 fiscal year.

Under US GAAP, such assets and liabilities in foreign currency should be valued at the exchange rate effective as of the date of reopening of the exchange market (January 11, 2002), which was P\$ 1.70 to US\$ 1.00. As a result, the effects of such devaluation were recognized in 2001 fiscal year, and included as an adjustment in the reconciliation of net income to US GAAP in Note 23, on the following line items:

On net income:

Exchange differences

US GAAP adjustments applicable to equity in affiliates and to equity in earnings of affiliates.

Since no difference in exchange rates is verified as of December 31, 2002, the effects described above are reversed on 2002 fiscal year in the reconciliation presented in Note 23.

*d) Income taxes*

Both Argentine GAAP and US GAAP, require the liability method to be used to account for deferred income taxes. Under this method, deferred income tax assets or liabilities are recorded for temporary differences that arise between the financial and tax bases of assets and liabilities at each reporting date. The benefits of tax loss carry-forwards are recognized as deferred income tax assets, with an appropriate valuation allowance. A valuation allowance is provided when it is more likely than not (under US GAAP) or probable (under Argentine GAAP) that some portion or all of the deferred tax assets will not be realized.

However, Argentine GAAP and US GAAP may differ under certain circumstances in deferred income tax accounting. Under Argentine GAAP, differences between accounting and tax basis generated due to the recognition of the inflation effect on non-monetary assets, are accounted for as permanent differences for deferred income tax purposes. Under US GAAP, pursuant to Emerging Issues Task Force (EITF) No. 93-9, such differences are accounted for as temporary differences for deferred income tax purposes.



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*e) Deferred charges*

Under Argentine GAAP, costs such as organization and pre-operating expenses may be deferred and amortized over the resultant period of benefit, under certain circumstances.

For US GAAP purposes these amounts are expensed as incurred.

*f) Discounting of certain receivables and liabilities*

Under Argentine GAAP, certain receivables and liabilities which are valued on the basis of the best possible estimate of amount to be collected and paid, are required to be discounted using the estimated rate at the time of the initial measurement.

Under US GAAP, receivables and liabilities arising from transactions with customers and suppliers in the normal course of business, which are done in customary trade terms not exceeding one year, are accounted for at nominal value, including accrued interest, if applicable.

*g) Proportionate consolidation*

Under Argentine GAAP, an investor is required to consolidate proportionally line by line its financial statements with the financial statements of the companies over which it exercises joint control. Joint control exists where all the shareholders, or only the shareholders owning a majority of votes, share the power to define and establish a company's operating and financial policies on the basis of written agreements. In the consolidation of companies over which an investor exercises joint control, the amount of the investment in the company under joint control and the interest in its income (loss) and cash flows are replaced by the investor's proportional interest in the company's assets, liabilities, income (loss) and cash flows. Under Argentine GAAP, participations in Distrilec and CIESA qualify for proportionate consolidation.

Under US GAAP, participation in companies over which the investor exercises joint control is accounted for by the equity method and no proportional consolidation is allowed. However, pursuant to the SEC's rules, differences in classification or display that result from using proportionate consolidation in the reconciliation to US GAAP, may be omitted if certain requirements are met. Such requirements are met by Distrilec but not by CIESA. As a result such differences corresponding to proportional consolidation of Distrilec are not presented.

*h) Accounting for business combinations*

In July 2001, the FASB issued Statement of Financial Accounting Standards (SFAS) No. 141, *Business Combinations* and SFAS No. 142 *Goodwill and Other Intangible Assets*. These standards change the accounting for business combinations by, among other things, prohibiting the prospective use of pooling-of-interests accounting. In addition, SFAS No. 142 requires that, effective January 1, 2002, goodwill included in the carrying value of investments accounted for using the equity method of accounting, and certain other intangible assets deemed to have an indefinite useful life, cease amortizing. The new rules also require that goodwill and certain intangible assets be assessed for impairment using fair value measurement techniques. The Company has completed the annual impairment test of goodwill under the new standard and no additional adjustment was required. Business combinations performed before June 30, 2001 were accounted for under APB Opinion No. 16.

Under this past standard, goodwill was amortized on a straight-line basis over 40 years, resulting in an accumulated amortization of 46 through December 31, 2001. As from January 1, 2002, goodwill is no longer amortized. All business combinations described below were performed before June 30, 2001.



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## 1) Petrobras Energía share exchange offer

Under US GAAP, the 2000 exchange offer was accounted for under the purchase method. The purchase price of 6,766, calculated based upon the market price of Petrobras Energía common stock, has been allocated to the identifiable assets acquired and liabilities assumed based upon their fair value as of the acquisition date. The excess of the purchase price over the fair value of the net assets acquired has been reflected as goodwill, which was amortized on a straight-line basis over 40 years until December 31, 2001. The purchase price has been allocated as follows:

Fair value of assets acquired	10,927
Goodwill	928
Fair value of liabilities assumed	(5,089)
	<hr/>
Total purchase price	6,766
	<hr/>

Under Argentine GAAP, the accounting practice followed in 2000 fiscal year for nonmonetary exchange of shares was to recognize net assets at book value. Accordingly, issued shares of Petrobras Energía Participaciones S.A. (formerly Perez Companc S.A) were subscribed and accounted for at the book value of Petrobras Energía shares exchanged. Therefore, the US GAAP reconciliation of shareholders' equity reflects the additional purchase price of Petrobras Energía capital stock, and the reconciliation of net income reflects the incremental depreciation, depletion, amortization, effective interest rate of liabilities and the related effects on the deferred income tax, as a result of the purchase price allocation mentioned above and the amortization of goodwill until December 31, 2001, which amounted to 24 for the year ended December 31, 2001.

Beginning 2003 fiscal year, new Argentine GAAP pursuant to CNV Resolution N° 434 adopted the purchase method or the pooling of interests method, depending on the circumstances. However, such new standards are not applied in retroactive basis.

## 2) Impairment of goodwill, Property, Plant and Equipment, and equity in affiliates

As described above, the purchase price of Petrobras Energía has been allocated under US GAAP (but not under Argentine GAAP) to the identifiable assets acquired and liabilities assumed, based upon their fair values as of acquisition date, being the excess reflected as goodwill.

In 2001 fiscal year, the US GAAP reconciliation reflected impairment charges of goodwill of 571, impairment charges of Property, plant and equipment of 628, and impairment charges of equity in affiliates of 411, to reduce the book value under US GAAP to fair values as of year-end, because such goodwill was not reflected under Argentine GAAP and book value of equity in affiliates subject to impairment was higher under US GAAP, as explained above.

Impairment losses reflected under US GAAP in 2001 fiscal year were a consequence of the crisis in Argentina as described in Notes 20 and 9.VI), and included identified goodwill and equity in the affiliates: CIESA, TGS, Enron de Inversiones de Energía S.C.A. ( Edidesca ), Distrilec and Citelec. Total impairment loss adjustments from Argentine GAAP to US GAAP were 653 for hydrocarbons, marketing and transportation segment, and 987 for electricity segment. For purposes of determining impairment loss, fair values were estimated based on quoted market prices and other information available.

As a result of recognizing such impairment losses and the devaluation effects on 2001 fiscal year as explained in Note 22.c), under US GAAP the value of the Company's interest in Citelec, Transener, CIESA, TGS and Edidesca as of December 31, 2001, accounted for under the equity method was nil.

As of December 31, 2003 and 2002, as a result of the devaluation effects mentioned above, under US GAAP the book value of the Company's interest in Citelec, Transener and CIESA accounted for under the equity method is nil. As of such dates, the valuation of the interest in TGS amounts to 82 and 37, respectively, under US GAAP.

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3) Negative goodwill

For the Hidroeléctrica Pichi Picún Leufú S.A. ( HPPL ) acquisition, the fair value of assets was substantially represented by the acquired deferred tax assets, consisting of the tax effects of the difference between tax and book basis of fixed assets and net operating loss carry forwards, which were only recognized under US GAAP. To the extent of the excess of such deferred tax assets acquired over the consideration paid, a negative goodwill was recognized under US GAAP, which was amortized over a 30 year period beginning at the plant start-up of operations until December 31, 2001. As the Company adopted SFAS 142 effective January 1, 2002, such negative goodwill has been reversed, and a cumulative effect of change in accounting principle of 179 was recognized in 2002.

Neither the deferred tax assets nor the related negative goodwill and its reversal were recognized under Argentine GAAP.

4) Deferred charges in privatized companies acquired

In Argentina, it is an accepted practice for costs associated with voluntary retirement programs incurred in the acquisition and start-up of a privatized company to be recognized as a liability with a corresponding deferred asset, which is amortized over the period expected to be benefited.

The only difference between US and Argentine GAAP related to qualifying liabilities assumed is that for Argentine GAAP the offsetting purchase price is allocated to intangible assets and for US GAAP the offsetting purchase price is allocated to the fair value of the acquired assets which, in this case, is property, plant and equipment ( PP&E ). Therefore, the US GAAP reconciliation of net income and shareholders' equity reflects in this respect, the difference between intangible asset amortization and property, plant and equipment depreciation.

*i) Foreign Currency Translation*

Under Argentine GAAP, all foreign operations are remeasured into U.S. dollars, their functional currency. Assets and liabilities, stated at current values are to be converted at the closing exchange rates, assets and liabilities measured at cost and revenues, expenses, gains and losses are to be converted at the historical exchange rates. Once the transactions are remeasured into U.S. dollars, assets and liabilities are translated into pesos at current rate, and revenues, expenses, gains and losses are translated at historical exchange rates. Resulting remeasurement and translation gain or loss is recognized currently in earnings in the Financial income (expense) and holding gain (losses) account for fiscal years 2002 and 2001.

In accordance with new accounting standards pursuant to CNV Resolution No. 434 as from fiscal year 2003, the translation gain or losses arising from the translation into pesos of the financial statements of all foreign operations is presented in the Transitory differences foreign currency translation account, a separate component of the balance sheet.

Under US GAAP, gains or losses resulting from translation of U.S. dollars remeasured operations into pesos, are included as other comprehensive income, a separate component of shareholder's equity.

A portion of the company's foreign currency denominated debt portfolio is designated as a hedge of the volatility in stockholders' equity caused by changes in the functional currency exchange rates with respect to the peso. Exchange differences resulting from such debt are reflected in the Transitory differences Foreign currency translation account under Argentine GAAP (for 2003), and in the cumulative translation adjustment account under US GAAP (for all periods presented), thereby offsetting the translation gain or loss from hedged foreign subsidiaries' net assets. Remaining exchange differences recognized in income differ from Argentine GAAP to US GAAP, as a result of differences in the book value of foreign subsidiaries' net assets and resulting designated debt.

*j) Capitalization of interest costs on certain assets*

Prior to January 1, 1993, Argentine GAAP did not require capitalization of interest charges relating to the financing of major projects under construction. Capitalization of interest as part of the acquisition cost of an asset is required under US GAAP. However, qualifying assets and eligible interest cost may differ under certain circumstances. Under US GAAP, foreign currency exchange gains or losses are excluded from interest cost base.

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*k) Depreciation of Property, plant and equipment*

Under Argentine GAAP, depreciation of certain non-oil and gas fixed assets is accounted for by the Company by applying rates established for technical revaluation, which are based on engineering formulas.

Under US GAAP depreciation of such assets is calculated primarily using the straight-line method over the useful lives of the assets.

*l) Minority interest*

An adjustment to record the portion of all US GAAP adjustments attributable to minority interests in consolidated subsidiaries has been recorded.

*m) Accounting for derivative instruments*

Under US GAAP, SFAS No. 133 as amended by SFAS No. 137 and SFAS No. 138, requires that all derivative financial instruments be recognized in the consolidated balance sheets as either an asset or liability measured at fair value. SFAS No. 133 requires that changes in the derivative's fair value be recognized in earnings unless specific hedge accounting criteria are met. For derivatives accounted for as hedges, fair value adjustments are recorded to earnings or other comprehensive income, a component of shareholders' equity, depending upon the type of hedge and the degree of hedge effectiveness. For hedges classified as fair value hedges, adjustments are recorded through earnings with an offsetting, partial mark to fair value of the hedged item currently through earnings. For hedges classified as cash flow hedges, adjustments are recorded to other comprehensive income, and the gain or loss on the derivative is removed from equity and recognized in earnings in the same period as the loss or gain on the hedged cash flow.

Under Argentine GAAP in the fiscal year 2003, changes in the fair value of derivatives accounted for as effective hedges are recognized in the Transitory differences Measurement of derivative financial instruments determined as effective hedge account, a separate component of the balance sheet.

Prior to the adoption of new accounting standards in fiscal year 2003 pursuant to CNV Resolution No. 434, under Argentine GAAP there were no specific requirements governing derivatives accounting and the Company used hedge accounting for derivatives in fiscal years 2002 and 2001 in conjunction with its risk management objectives.

Pursuant to special transition standards, the balances as of December 31, 2002 resulting from the recognition, measurement and booking of financial instruments, which qualified as effective hedges, were not adjusted retroactively.

*n) Valuation of timber*

Under Argentine GAAP, timber was valued at current values, recognizing their organic growth currently in income.

Under US GAAP, timber is valued at historical cost. Forestry operations were sold in 2002.

*o) Debt refinancing costs*

Under Argentine GAAP, unamortized deferred costs incurred with third parties related to debt issuance are charged to expenses when such debt is restructured, while such costs related to the new debt are capitalized and amortized on a

straight line basis.

Under US GAAP, SFAS No. 15 and SFAS No. 140 and related EITF issues require for debt restructuring not considered to be an extinguishment, the Company continues amortizing those costs related to the old debt and charge to expenses for debt restructuring direct costs.

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*p) Guarantor's Accounting for Guarantees*

Under US GAAP, FASB Interpretation No. 45, *Guarantor's Accounting and Disclosure requirements for Guarantees, Including Indirect Guarantees of Indebtedness of Others*, clarifies that at the time a company issues a guarantee, the company must recognize an initial liability for the fair value, or market value, of the obligations it assumes under that guarantee.

Under Argentine GAAP, guarantees issued are generally not recognized as liabilities.

*q) Accounting for stock option plans*

Under Argentine GAAP, the Company has accounted for stock option plans consistently with Accounting Principles Board (APB) Opinion No. 25, *Accounting for stock issued to employees*, in accounting for its employee stock option plan. Since Petrobras Energía's stock option plan is a liability award, there is no differences in the reported net income and earning per share for the years 2003, 2002 and 2001 based on SFAS No. 123, *Accounting for stock based compensation*, amended by SFAS No. 148.

*r) Classification of sale of future revenues*

Under Argentine GAAP, net proceeds from an assignment of future capital fees to be earned in Venezuela are presented in the Balance Sheet as current and noncurrent other liabilities for US\$ 36 million and US\$ 73 million as of December 31, 2003 and 2002, respectively.

Under US GAAP, a sale of future revenues of this nature is classified as debt. Therefore, a reclassification was made for purposes of US GAAP consolidated balance sheet data presented in Note 23.

*s) Classification of impairment losses*

Under Argentine GAAP, impairment losses for fixed assets, if any, are generally presented in the income statement as non-operating expenses.

US GAAP requires such losses to be presented as operating. Therefore, impairment losses recognized under Argentine GAAP and additional impairment losses recognized under US GAAP, are included in the Operating income (loss) subtotal of the US GAAP Consolidated income data presented in Note 23.

*t) Accounting for discontinued operations*

Under Argentine GAAP, the gain or loss on sales of a business segment is presented in the Other expenses, net account.

According to US GAAP, the results of continuing operations should be presented separately from discontinued operations and any gain or loss from disposal of a component of business segment should be reported in conjunction with the result of discontinued operations. Therefore, required reclassifications have been made for purposes of US GAAP consolidated income data presented in Note 23.

*u) Accounting for changes in accounting principles Asset retirement obligations*

Under Argentine GAAP, changes in accounting principles are generally accounted for on retroactive basis.

Under US GAAP, such changes are generally recognized as a cumulative effect in current earnings for the period the change is effective.

In connection with the adoption of SFAS No. 143 Accounting for Asset Retirement Obligations for both US GAAP and Argentine GAAP as from January 1, 2003, the reconciliation of net income presented in Note 23 reflects the difference described above in recognizing such change in accounting principle.

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v) *New accounting standards under US GAAP*

1) Derivative Instruments

In May 2003, the FASB issued SFAS No. 149, *Amendment of Statement 133 on Derivative Instruments and Hedging Activities*. This Statement amends and clarifies financial accounting and reporting for derivative instruments, including certain derivative instruments embedded in other contracts and for hedging activities under FASB Statement No. 133, *Accounting for Derivative Instruments and Hedging Activities*. SFAS No. 149 did not impact the Company's consolidated financial statements.

2) Accounting for Certain Financial Instruments with Characteristics of Both Liabilities and Equity

In May 2003, the FASB issued SFAS No. 150, *Accounting for Certain Financial Instruments with Characteristics of Both Liabilities and Equity*. This Statement establishes standards for how an issuer classifies and measures certain financial instruments with characteristics of both liabilities and equity. It requires that an issuer classify a financial instrument that is within its scope as a liability (or an asset in some circumstances). Many of those instruments were previously classified as equity. SFAS No. 150 is effective for financial instruments entered into or modified after May 31, 2003, and otherwise is effective at the beginning of the first interim period beginning after June 15, 2003, except for mandatorily redeemable financial instruments of non-public entities. SFAS No. 150 did not impact the Company's consolidated financial statements.

3) Employers' Disclosures about Pensions and Other Postretirement Benefits

On December 23, 2003 the Financial Accounting Standards Board released revised FASB Statement No. 132, *Employers' Disclosures about Pensions and Other Postretirement Benefits* (SFAS No. 132). The revised standard provides required disclosures for pensions and other postretirement benefit plans and is designed to improve disclosure transparency in financial statements. The revised standard replaces existing pension disclosure requirements. The requirements of the standard are effective for public entities for fiscal years ending after December 15, 2003. The adoption of SFAS No. 132 did not have a material impact on the Company's consolidated financial statements.

4) Revenue recognition

On December 17, 2003, the Securities and Exchange Commission issued Staff Accounting Bulletin No. 104 (SAB No. 104), which revises or rescinds portions of the interpretative guidance included in Staff Accounting Bulletin No. 101, *Revenue Recognition* (SAB No. 101). The main modifications introduced by SAB No. 104 are aimed at making this interpretive guidance consistent with current authoritative accounting and auditing guidance and SEC rules and regulations. The principal revisions relate to the rescission of material no longer necessary because of private sector developments in the US generally accepted accounting principles. The adoption of SAB No. 104 did not have a material impact on the Company's consolidated financial statements.

**Table of Contents****23. Reconciliation of net income and shareholders' equity to US GAAP**

The following is a summary of the significant adjustments to net income for the years ended December 31, 2003, 2002 and 2001, and the shareholders' equity as of December 31, 2003 and 2002, which would be required if US GAAP had been applied instead of Argentine GAAP in the Company's financial statements.

**Reconciliation of net income to US GAAP**

	<b>2003</b>	<b>2002</b>	<b>2001</b>
	<hr/>	<hr/>	<hr/>
<b>Net income (loss) in accordance with Argentine GAAP</b>	381	(1,579)	101
<b>US GAAP adjustments:</b>			
Exchange differences from devaluation of the Argentine peso		218	(218)
Foreign currency translation adjustment	(108)	87	
Valuation of timber		(2)	2
Deferred charges		1	2
Amortization of deferred charges	3	5	4
Debt refinancing costs	24	(64)	
Deferred income taxes	66	(1,123)	34
Derivatives	88	91	138
Depreciation of PP&E	(168)	(252)	(168)
Impairment of PP&E			(628)
Fair value of liabilities	(36)	12	(46)
Negative goodwill		179	7
Amortization of goodwill			(24)
Impairment of goodwill			(571)
Discounted value of assets and liabilities	17		
Difference in accounting basis for assets sold	(29)	(92)	(207)
Asset retirement obligations	45	(15)	1
Minority Interest	(4)	46	54
Other	41	20	25
Deferred income taxes on US GAAP adjustments	97	148	582
US GAAP adjustments applicable to equity in earnings of affiliates			
Impairment of equity in affiliates			(441)
Exchange differences from devaluation of Argentine peso		803	(803)
Other differences	(317)	(37)	(110)
	<hr/>	<hr/>	<hr/>
<b>Total US GAAP adjustments</b>	(281)	25	(2,367)
Reclassification of discontinued operations and cumulative effect of changes in accounting principles, net of income tax	9	(314)	12
	<hr/>	<hr/>	<hr/>
<b>Income (loss) from continuing operations</b>	109	(1,868)	(2,254)
<b>Discontinued operations:</b>			
Income (loss) from operations (1)	7	72	(12)
Income (loss) from disposal (2)	(46)	63	
	<hr/>	<hr/>	<hr/>

<b>Income (loss) before cumulative effect of changes in accounting principles</b>	70	(1,733)	(2,266)
Cumulative effect of changes in accounting principles, net of tax (3)	30	179	
	<u>      </u>	<u>      </u>	<u>      </u>
<b>Net income (loss) under US GAAP</b>	<b>100</b>	<b>(1,554)</b>	<b>(2,266)</b>
	<b><u>      </u></b>	<b><u>      </u></b>	<b><u>      </u></b>

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	<u>2003</u>	<u>2002</u>	<u>2001</u>
<b>Basic net income (loss) per share under US GAAP</b>			
Class A			(0.786)
Class B	0.047	(0.729)	(1.179)
Diluted net income (loss) per share under US GAAP	0.047	(0.729)	(1.063)
<b>Basic net income (loss) per share under US GAAP</b>			
Class A			
Continuing operations			(0.782)
Discontinued operations			(0.004)
Class B			
Continuing operations	0.051	(0.876)	(1.172)
Discontinued operations	(0.018)	0.063	(0.006)
Cumulative effect of changes in accounting principles	0.014	0.084	
<b>Diluted net loss per share under US GAAP</b>			
Continuing operations	0.051	(0.876)	(1.057)
Discontinued operations	(0.018)	0.063	(0.006)
Cumulative effect of changes in accounting principles	0.014	0.084	
<b>Basic net income (loss) per share under Argentine GAAP</b>			
Class A			0.035
Class B	0.179	(0.744)	0.053
<b>Diluted net income per share under Argentine GAAP</b>	0.179	(0.744)	0.047
Number of shares -in millions (4)	2,132	2,132	2,132

(1) Net of applicable income tax expenses of 26 and 27 for the years ended December 31, 2002 and 2001.

(2) Including applicable income tax benefit of 10 and 3 for the years ended December 31, 2003 and 2002.

(3) Net of applicable income tax expense of 15 for the year ended December 31, 2003.

(4) Earnings per share are calculated based on the weighted average number of shares outstanding during the year.

**Consolidated pro forma income data**

As mentioned in Note 22, SFAS No. 142 and SFAS No. 143 were effective from January 1, 2002 and January 1, 2003, respectively. If the new standards had been effective before January 1, 2001, net income for the years ended December 31, 2003, 2002 and 2001, would have been as follows:

	<u>2003</u>	<u>2002</u>	<u>2001</u>
Net income (loss) under US GAAP	<b>100</b>	<b>(1,554)</b>	<b>(2,266)</b>
Amortization of goodwill			9
Reversal of negative goodwill		(179)	(7)
Accounting for asset retirement obligation, net of tax	(30)	10	(1)
Proforma net income (loss) under US GAAP	<b>70</b>	<b>(1,723)</b>	<b>(2,265)</b>

	—	—	—
<b>Proforma basic net income (loss) per share under US GAAP</b>			
Class A			(0.785)
Class B	0.033	(0.808)	(1.178)
<b>Proforma diluted net income (loss) per share under US GAAP</b>	0.033	(0.808)	(1.062)

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**Table of Contents****Consolidated statement of comprehensive income**

	<b>2003</b>	<b>2002</b>	<b>2001</b>
	<hr/>	<hr/>	<hr/>
Net income (loss) under US GAAP	100	(1,554)	(2,266)
Foreign currency translation adjustment:			
Net change during period, net of tax	(78)	(374)	455
Deferred hedge gains and losses, net of tax:			
Cumulative effect of accounting change			(228)
Reclassification to net income	(15)	78	162
Deferred hedge (loss) gains	17	(54)	26
Total Comprehensive Income	24	(1,904)	(1,851)
	<hr/>	<hr/>	<hr/>
Cumulative Other Comprehensive Income:			
Foreign currency translation adjustment	(48)	30	404
Deferred hedge gains and losses, net of tax	(12)	(14)	(38)
	<hr/>	<hr/>	<hr/>
Total Cumulative Other Comprehensive Income	(60)	16	366
	<hr/>	<hr/>	<hr/>

**Reconciliation of shareholders' equity to US GAAP**

	<b>2003</b>	<b>2002</b>
	<hr/>	<hr/>
<b>Shareholders' equity in accordance with Argentine GAAP</b>	4,833	4,452
<b>US GAAP adjustments:</b>		
Deferred charges	(29)	(37)
Debt refinancing costs	(41)	(65)
Deferred income taxes	(1,242)	(1,308)
Minority interest	132	136
Derivatives	(18)	(109)
Foreign currency translation adjustment	(161)	(123)
PP&E	1,513	1,909
Goodwill	155	155
Fair value of liabilities	86	140
Discounted value of assets and liabilities	17	
Asset retirement obligations		(45)
Other	11	6
Deferred income taxes on U.S. GAAP adjustments	(360)	(543)
US GAAP adjustments applicable to equity in affiliates	(373)	(69)
	<hr/>	<hr/>
<b>Total US GAAP adjustments</b>	(310)	47



	_____	_____
<b>Shareholders equity in accordance with US GAAP</b>	<b>4,523</b>	<b>4,499</b>
	_____	_____

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**Table of Contents****Description of changes in shareholders' equity under US GAAP**

	<b>2003</b>	<b>2002</b>	<b>2001</b>
Shareholders' equity under US GAAP as of beginning of the year	4,499	6,403	8,408
Cash dividends			(134)
Acquisition of own stock held by subsidiary			(20)
Other comprehensive income	(76)	(350)	415
Net income (loss) under US GAAP	100	(1,554)	(2,266)
	<u>          </u>	<u>          </u>	<u>          </u>
<b>Shareholders' equity under US GAAP as of the end of the year</b>	<b>4,523</b>	<b>4,499</b>	<b>6,403</b>
	<b><u>          </u></b>	<b><u>          </u></b>	<b><u>          </u></b>

**US GAAP Summarized Consolidated Data**

The consolidated income data and the consolidated cash flow data for the years ended December 31, 2003, 2002 and 2001, and the consolidated balance sheets data as of December 31, 2003 and 2002, presented below have been adjusted to reflect the differences between US GAAP and Argentine GAAP discussed above:

	<b>Year ended December 31,</b>		
<b>US GAAP consolidated income and loss data</b>	<b>2003</b>	<b>2002</b>	<b>2001</b>
Sales	5,192	5,321	4,658
Less taxes on sales and services	(114)	(139)	(28)
	<u>          </u>	<u>          </u>	<u>          </u>
Net sales	5,078	5,182	4,630
Cost of sales	(3,282)	(3,374)	(3,084)
	<u>          </u>	<u>          </u>	<u>          </u>
Gross profit	1,796	1,808	1,546
Administrative and selling expenses	(529)	(645)	(629)
Exploration expenses	(196)	(58)	(41)
Other operating income (expense), net	(449)	(275)	(23)
	<u>          </u>	<u>          </u>	<u>          </u>
Operating income	622	830	853
Equity in earnings of affiliates	65	(125)	(2,713)
Financial income (expense) and holding gains (losses)	(663)	(1,564)	(911)
Other income, net			185
	<u>          </u>	<u>          </u>	<u>          </u>
	24	(859)	(2,586)

Income (loss) before income taxes, minority interest, discontinued operations and cumulative effect of changes in accounting principles			
Income tax (expense) benefit	92	(1,089)	326
Minority interest in subsidiaries	(7)	80	6
Discontinued operations			
Income (loss) from discontinued operations, net of income taxes (1)	7	72	(12)
Income (loss) from disposal, net of income taxes (2)	(46)	63	
Cumulative effect of changes in accounting principles (3)	30	179	
	<u>          </u>	<u>          </u>	<u>          </u>
Net income (loss) for the year	100	(1,554)	(2,266)
	<u>          </u>	<u>          </u>	<u>          </u>

(1) Net of income tax expense of 26 and 27 for the years ended December 31, 2002 and 2001.

(2) Net of income tax benefit of 10 and 3 for the years ended December 31, 2003 and 2002.

(3) Net of income tax expense of 15 for the year ended December 31, 2003.

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<b>US GAAP condensed consolidated balance sheet data</b>	<b>Year ended December 31,</b>	
	<b>2003</b>	<b>2002</b>
Current assets	2,614	2,750
Investments	1,071	1,055
Property, plant and equipment	10,522	12,105
Other non current assets	301	198
Total non current assets	11,894	13,358
Total assets	14,508	16,108
Short-term debt	1,304	1,624
Other liabilities	1,282	1,155
Total current liabilities	2,586	2,779
Long-term debt	5,027	6,152
Other non current liabilities	1,967	2,238
Total noncurrent liabilities	6,994	8,390
Total liabilities	9,580	11,169
Minority interest in subsidiaries	405	440
Shareholders' equity	4,523	4,499
	14,508	16,108

<b>US GAAP condensed consolidated cash flow data</b>	<b>Year ended December 31,</b>		
	<b>2003</b>	<b>2002</b>	<b>2001</b>
Net cash provided by operations	1,209	826	1,415
Net cash used in investing activities	(886)	(172)	(1,746)
Net cash (used in) provided by financing activities	(369)	(1,953)	986

	_____	_____	_____
(Decrease) Increase in cash	(46)	(1,299)	655
Effect of the exchange rate on cash	(88)	(63)	818
Cash and cash equivalent at beginning	725	2,087	614
	_____	_____	_____
Cash and cash equivalent at end	591	725	2,087
	_____	_____	_____

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**Table of Contents****24. Additional financial statements disclosures required by US GAAP and the SEC***a) Income taxes*

The tax effect of the significant differences between the book value and the tax value of the Company's assets and liabilities and tax loss carryforwards are as follows:

	<u>2003</u>	<u>2002</u>
<b>Deferred tax assets</b>		
Tax loss carryforwards	1,399	1,867
Other tax losses	207	279
Property, plant and equipment	62	58
Reserve for contingencies	76	29
Non-current investments	82	86
Pension plan obligations	7	7
Derivatives	216	187
Receivables	10	22
Accounts payable	12	5
Other deferred tax assets, not significant individually	68	17
Less-Valuation allowance	(1,619)	(2,071)
<b>Deferred tax liabilities</b>		
Revenue recognition	(40)	(21)
Current investments	(16)	
Fair value of liabilities	(30)	(49)
Prepaid expenses	(29)	(8)
Property, plant and equipment	(1,551)	(1,827)
Non-current investments	(351)	(352)
Other deferred tax liabilities, not significant individually	(41)	(21)
	<u>          </u>	<u>          </u>
Net deferred tax liabilities	(1,538)	(1,792)
	<u>          </u>	<u>          </u>

The tax loss carryforwards as of December 31, 2003 expire as follows:

2005	15
2006	43
2007	52
Beyond 2008	1,496
	<u>          </u>
	1,606
Valuation allowance on tax loss carryforwards	(1,516)



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The reconciliation of tax provision at the statutory rate to the tax provision for the years ended December 31, 2003, 2002 and 2001, computed in accordance with US GAAP, is as follows:

	<b>2003</b>	<b>2002</b>	<b>2001</b>
Pre-tax income (loss) in accordance with U.S. GAAP	6	(523)	(2,574)
Statutory tax rate	35%	35%	35%
Statutory tax rate applied to pre-tax income (loss)	2	(183)	(901)
Equity in (earnings) losses and dividends from affiliates	(56)	(97)	20
Inflation adjustment on nonmonetary assets and liabilities	13	973	
Inflation adjustment, remeasurement and foreign earnings	332	1	4
Increase (decrease) in valuation allowances	(422)	333	279
Tax on minimum presumed income	11	19	104
Impairment, amortization and other decreases of goodwill	13	39	218
Tax adjustments and other, net	20	27	(23)
Tax (benefit) expense	(87)	1,112	(299)

The Company's provision for income taxes under US GAAP was comprised of the following:

	<b>2003</b>	<b>2002</b>	<b>2001</b>
Current			
Argentina		44	180
Foreign	48	22	20
	48(1)	66	200
Deferred			
Argentina	(74)	1,118	(585)
Foreign	(61)	(72)	86
	(135)	1,046	(499)
Total tax (benefit) expense	(87)	1,112	(299)



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(1) Net of P\$483 million for loss tax carryforward utilization in 2003.

*b) Fair value of financial instruments*

US GAAP requires disclosure of the estimated fair value of the Company's financial instruments. The following methods and assumptions were used to estimate the fair value of each class of financial instruments.

The carrying amounts of cash, cash equivalents, accounts receivables and short-term obligations approximate its fair value, because of the short-term maturities of these instruments.

Fair value of trading and held-to-maturity investments is based on quoted market prices. The fair value of publicly traded long-term debt is based on quoted market prices, and for the remaining long-term debt was estimated based on the current rates available to the Company for debt of similar remaining maturities. Fair values of derivative financial instruments represent the estimated amount that would have been required to terminate the contracts. The fair value of performance bonds and other guarantees approximate the notional amount of these instruments.

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The estimated fair values of financial instruments are as follows, except for those financial instruments noted above for which the carrying values approximate fair values:

	2003		2002	
	Carrying amount under US GAAP	Fair Value	Carrying amount under US GAAP	Fair Value
<b>Financial assets:</b>				
Held-to-maturity securities	2	1	14	5
<b>Financial liabilities:</b>				
Long-term debt	5,027	5,161	6,152	5,324
<b>Derivative financial instruments:</b>				
<b>Energy commodities price swaps and options:</b>				
Accounted for as a hedge:				
· Unfavorable			(67)	(67)
Accounted for as non-hedge:				
· Favorable			105	105
· Unfavorable	(583)	(583)	(507)	(507)
<b>Foreign currency and interest rate:</b>				
Accounted for as a hedge:				
· Unfavorable	(23)	(23)	(47)	(47)

*c) Held-to-maturity securities***Held-to-maturity securities:**

The change in the carrying amount of held-to-maturity securities has been as follows:

	2003	2002
Balance at beginning of the year	14	13
· Increase for securities to held to maturity		2
· Inflation and remeasurement effect	(2)	(1)
· Decrease for securities to held to maturity	(2)	
· Redemption and interest collection	(8)	
	—	—
Balance at end of year	2	14

At December 31, 2003 and 2002 the outstanding held-to-maturity securities are scheduled to mature in one to

sixteen years.

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**Table of Contents***d) Summarized financial information of unconsolidated affiliates*

The following table provides summarized financial information on a 100% basis, for the main affiliates accounted for by the equity method, combined per business unit, under Argentine GAAP.

Each business unit includes the following companies as of December 31, 2003 and 2002:

Oil and Gas Exploration and Production: Petrolera Entre Lomas S.A., Inversora Mata S.A. and Coroil S.A.

Refining: Refinería del Norte S.A. and Empresa Boliviana de Refinación S.A.

Petrochemical: Petroquímica Cuyo S.A.

Hydrocarbons marketing and Transportation: TGS S.A., Oleoductos del Valle S.A. and Oleoducto de Crudos Pesados Ltd.

Electricity: Citelec S.A., Yacylec S.A. and Uruguay-í S.A.

As of December 31, 2001, the Other Investments business unit includes the following companies: Pecom Agra S.A. and Cerro Vanguardia S.A. (see Note 9.IV and 9.V)

	<b>2003</b>				
	<b>Oil and Gas</b>	<b>Hydrocarbons marketing and</b>			
	<b>Exploration and Production</b>	<b>Refining</b>	<b>Petrochemical</b>	<b>Transportation</b>	<b>Electricity</b>
Current Assets	115	893	105	1,221	263
Noncurrent Assets	517	524	115	8,864	2,209
Current Liabilities	49	848	60	3,862	1,208
Noncurrent Liabilities	32	17	34	3,739	614
Shareholders' Equity	551	552	126	2,484	430
Minority interest					220
Sales	278	1,988	225	1,196	324
Gross profit	150	350	68	582	96
Income ( loss) from continuing operations before extraordinary items and Cumulative effect of changes in accounting principles	78	87	21	236	50
Net income	78	87	21	236	50
	<b>2002</b>				
	<b>Oil and Gas</b>	<b>Hydrocarbons</b>			
	<b>Exploration</b>				

	<b>and</b>	<b>and</b>	<b>marketing</b>	<b>and</b>	
	<b>Production</b>	<b>Refining</b>	<b>Petrochemical</b>	<b>Transportation</b>	<b>Electricity</b>
	<u>          </u>	<u>          </u>	<u>          </u>	<u>          </u>	<u>          </u>
Current Assets	130	878	110	1,182	172
Noncurrent Assets	575	535	121	13,728	2,391
Current Liabilities	73	819	114	8,428	1,252
Noncurrent Liabilities	22	42	12	3,086	715
Shareholders' Equity	610	552	105	2,603	398
Minority interest				793	198
Sales	272	2,145	211	2,000	343
Gross profit	143	340	69	1,070	131
Income ( loss) from continuing operations before extraordinary items and Cumulative effect of changes in accounting principles	46	151	(2)	(1,154)	(319)
Net income	46	151	(2)	(1,154)	(319)

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	<b>2001</b>					
	<b>Oil and Gas</b>	<b>Hydrocarbons marketing and</b>			<b>Other</b>	
	<b>Exploration and Production</b>	<b>Refining</b>	<b>Petrochemical</b>	<b>Transportation</b>	<b>Electricity</b>	<b>Investments</b>
	<u>          </u>	<u>          </u>	<u>          </u>	<u>          </u>	<u>          </u>	<u>          </u>
Current Assets	90	514	110	581	150	285
Noncurrent Assets	433	539	131	5,371	2,362	661
Current Liabilities	61	590	110	852	574	266
Noncurrent Liabilities	8	12	12	2,206	762	286
Shareholders Equity	454	451	119	2,894	776	394
Minority interest					400	
Sales	212	1,409	132	1,357	527	956
Gross profit	104	200	24	862	281	166
Income (loss) from continuing operations before extraordinary items and Cumulative effect of changes in accounting principles	50	39		284	75	82
Net income	50	39		284	75	82

e) Summarized financial information of proportionally consolidated jointly controlled companies

The following table provides summarized financial information on a proportional basis, for jointly controlled companies, which are proportionally consolidated under Argentine GAAP:

	<b>2003</b>			<b>2002 (a)</b>	<b>2001</b>		
	<b>CIESA</b>	<b>Distrilec</b>	<b>Total</b>	<b>Distrilec</b>	<b>CIESA</b>	<b>Distrilec</b>	<b>Total</b>
Current Assets	406	129	535	115			
Noncurrent Assets	2,348	1,372	3,720	1,488			
Current Liabilities	2,053	348	2,401	481			
Noncurrent Liabilities	7	103	110	63			
Shareholders Equity	234	600	834	606			
Minority Interest	460	450	910	453			
Sales	432	447	879	519	595	946	1,541
Gross Profit	232	74	306	113	376	292	668
Income (loss) from continuing operations before extraordinary items and cumulative effect of changes in accounting principles	110	(6)	104	(9)	36	49	85
Net Income (loss)	110	(6)	104	(9)	36	49	85
Cash provided by (used in):							
Operating activities	261	90	351	177	213	141	354
Investing activities	(31)	(28)	(59)	(69)	(236)	(96)	(332)

Financing activities	1	(46)	(45)	(74)	65	(83)	(18)
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(a) As mentioned in Note 2.a, as of December 31, 2002, CIESA was not proportionally consolidated since such equity interest was stated at zero value.

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**Table of Contents***f) Supplemental cash flow information*

Cash and cash equivalents include:

	<b>2003</b>	<b>2002</b>	<b>2001</b>
Cash	200	93	93
Time deposits and Mutual Funds	388	582	1,994
Securities	3	50	—
	<u>591</u>	<u>725</u>	<u>2,087</u>

Non-cash investing and financing activities for the years ended December 31, 2003, 2002 and 2001, include an increase in accounts payable for the acquisition of property, plant and equipment in the amount of 141, 50 and 192, respectively. Additionally, an increase in the Other receivables account is included for the sale of subsidiaries and other business in the amount of 106 for the year ended December 31, 2002.

*g) Pension plan:***Defined contribution plan:**

Contributions expensed under this plan amounted to 1 for the year ended December 31, 2001. During 2003 and 2002 fiscal years, no contributions were made under this plan (see Note 15.a).

**Defined benefit pension plan:**

Information for the Company's major defined benefit plan is as follows:

	<b>2003</b>	<b>2002</b>
<b>Change in benefit obligation</b>		
Benefit obligation at beginning	78	128
Service cost	1	2
Interest cost	2	4
Actuarial gain	9	45
Effect of remeasurement in constant money	(1)	(70)
Benefits paid	(5)	(5)
Curtailement effect	(33)	(26)
	<u>51</u>	<u>78</u>
Benefit obligation at end of year		



**Change in plan assets**

Fair value of plan assets at beginning	97	130
Actual return on plan assets	(11)	67
Effect of remeasurement in constant money	(1)	(69)
Benefits paid	(5)	(5)
Settlement payments	(33)	(26)
	<u>          </u>	<u>          </u>
Fair value of plan assets at end of year	47	97
	<u>          </u>	<u>          </u>

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	<u>2003</u>	<u>2002</u>
<b>Reconciliation of funded (unfunded) status</b>		
Funded status, end of year	(4)	19
Unrecognized net actuarial gain	(3)	(40)
	<u>          </u>	<u>          </u>
Net amount recognized	(7)	(21)
Amounts recognized in the statement of financial position consist of:		
Accrued benefit liability	(7)	(21)
	<u>          </u>	<u>          </u>
Projected benefit obligation	51	78
Accumulated benefit obligation	51	77
Fair value of plan assets	47	97
<b>Components of net periodic benefit cost</b>		
Service cost	1	2
Interest cost	2	4
Expected return on plan assets	(3)	(4)
Amortization of unrecognized transition obligation		1
Amortization of unrecognized gains	(1)	(2)
Gains from settlements	(14)	
Effect of remeasurement in constant money	1	(24)
	<u>          </u>	<u>          </u>
Net periodic benefit (gain) cost	(14)	(23)
	<u>          </u>	<u>          </u>
<b>Weighted-average assumptions</b>		
Discount rate	4%	4%
Expected return on plan assets	4%	4%
Rate of compensation increase	2%	2%

As of December 31, 2003 and 2002, pension plan assets are investments in mutual funds. The Company expects to contribute approximately 1 to its pension plan fund in 2004, which will be subject to Board of Directors approval.

Benefit obligations are expected to be paid as follows:

	<u>Pension Benefits</u>
2004	3
2005	3
2006	3
2007	3
2008	3
2009 - 1013	18



**Table of Contents***h) Business segment consolidated information*

The Company determines operating segments based on differences in the nature of their operations, consistent with the measure of profit and the basis used by its management in making strategic decisions. The Company applies the same accounting policies to each of the segments that are used in the preparation of the consolidated financial statements under Argentine GAAP. Intersegment revenues are generally representative of market prices or arms-length negotiated transactions. Likewise, affiliated sales are not segregated because they are generally made at market prices. Management's measure of segment profit does not include interest, income taxes and other non-operating income and expenses. Other non-cash items in segment income are principally comprised of undistributed earnings of affiliates.

The following information shows additional disclosures under Argentine GAAP about the Company's business segments as defined by its management.

	<b>2003</b>						<b>Total</b>
	<b>Oil and Gas Exploration and Production</b>	<b>Refining</b>	<b>Petrochemicals</b>	<b>Hydrocarbons marketing and Transportation</b>	<b>Electricity</b>	<b>Corporate, other Investments and Eliminations</b>	
Unaffiliated revenues	1,785	1,231	1,294	502	680	2	5,494
Intersegment revenues	944	71		19	11	(1,045)	
<b>Total revenues</b>	<b>2,729</b>	<b>1,302</b>	<b>1,294</b>	<b>521</b>	<b>691</b>	<b>(1,043)</b>	<b>5,494</b>
Depreciation, depletion and amortization	653	20	77	86	147	33	1,016
Equity in earnings of unconsolidated affiliates	19	22	16	16	90		163
Interest expense	(267)	(1)	(30)	(134)	(23)	(168)	(623)
Interest revenue	28	1	5	9	12	10	65
Dividends received from unconsolidated affiliates	9	7		7	3		26
Additions to property, plant and equipment	508	23	37	12	40	33	653
Identifiable assets	7,610	419	1,054	2,768	2,261	1,030	15,142
Investments in and advances to unconsolidated affiliates	199	223	46	328	200		996
<b>Total assets</b>	<b>7,809</b>	<b>642</b>	<b>1,100</b>	<b>3,096</b>	<b>2,461</b>	<b>1,030</b>	<b>16,138</b>



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	2002						Total
	Oil and Gas Exploration and Production	Refining	Petrochemicals	Hydrocarbons marketing and Transportation	Electricity	Corporate, other Investments and Eliminations	
Unaffiliated revenues	2,033	942	1,254	16	755	106	5,106
Intersegment revenues	773	66			11	(850)	
Total revenues	<u>2,806</u>	<u>1,008</u>	<u>1,254</u>	<u>16</u>	<u>766</u>	<u>(744)</u>	<u>5,106</u>
Depreciation, depletion and amortization	749	18	94		150	40	1,051
Equity in earnings of unconsolidated affiliates	2	20	(10)	(470)	(239)	59	(638)
Interest expense	(350)		(42)		(52)	(439)	(883)
Interest revenue	12	1	11		33	31	88
Dividends received from unconsolidated affiliates	12	4		3	1		20
Additions to property, plant and equipment	366	5	30		37	(264)	174
Identifiable assets	8,575	367	1,251	(17)	2,467	1,174	13,817
Investments in and advances to unconsolidated affiliates	189	225	29	275	114		832
Total assets	<u>8,764</u>	<u>592</u>	<u>1,280</u>	<u>258</u>	<u>2,581</u>	<u>1,174</u>	<u>14,649</u>

	2001						Total
	Oil and Gas Exploration and Production	Refining	Petrochemicals	Hydrocarbons marketing and Transportation	Electricity	Corporate, other Investments and Eliminations	
Unaffiliated revenues	1,502	788	809	695	1,248	128	5,170
Intersegment revenues	473		9		38	(520)	
Total revenues	<u>1,975</u>	<u>788</u>	<u>818</u>	<u>695</u>	<u>1,286</u>	<u>(392)</u>	<u>5,170</u>

	<u>          </u>	<u>          </u>	<u>          </u>	<u>          </u>	<u>          </u>	<u>          </u>	<u>          </u>
Depreciation, depletion and amortization	514	15	64	88	164	32	877
Equity in earnings of unconsolidated affiliates	6	14	4	26	24	45	119
Interest expense	(227)		(28)	(116)	(23)	(218)	(612)
Interest revenue	20	2	13	6	25	25	91
Dividends received from unconsolidated affiliates	7			18	22	8	55
Additions to property, plant and equipment	1,891	26	13	226	159	49	2,364
Identifiable assets	6,903	433	1,132	2,483	2,648	2,204	15,803
Investments in and advances to unconsolidated affiliates	160	132	39	285	271	180	1,067
	<u>          </u>	<u>          </u>	<u>          </u>	<u>          </u>	<u>          </u>	<u>          </u>	<u>          </u>
Total assets	7,063	565	1,171	2,768	2,919	2,384	16,870
	<u>          </u>	<u>          </u>	<u>          </u>	<u>          </u>	<u>          </u>	<u>          </u>	<u>          </u>

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*i) Derivative financial instruments*

As described in Note 5, the Company holds several derivative financial instruments to reduce exposure to crude oil price fluctuations and changes in interest rates. Changes in the accounting measurement of derivative financial instruments designated as cash flow hedge, which have been determined as effective hedge, are recognized under US GAAP in the other comprehensive income account. The following information refers to the other comprehensive income accounted for the years ended December 31, 2003, 2002 and 2001:

**Commodity Price Risk**

As of December 31, 2003, there are no unrealized gains or losses in the accumulated other comprehensive income. As of December 31, 2002 and 2001, the Company has a net unrealized gain of 14 after taxes and a net unrealized loss of 22 after taxes, respectively, on derivative instruments entered into to hedge production recorded in accumulated other comprehensive income. Net income (loss) under US GAAP for 2002 and 2001 fiscal years includes 99 of net loss, and 44 of net gain, respectively, due to recognition of unrealized gains and losses related to hedge ineffectiveness.

**Interest rate risk**

As of December 31, 2003, 2002 and 2001, the Company has an after taxes net unrealized loss of 12, 28 and 16, respectively, on a derivative instrument entered into to hedge interest rate recorded in accumulated other comprehensive income. Approximately, 9 of net loss in the accumulated other comprehensive income balance as of December 31, 2003, is expected to be reclassified into financial expenses during 2004 as hedged transaction occurs.

**25. Oil and Gas Supplementary Disclosures (unaudited)**

The following information for the oil and gas producing activities has been prepared in accordance with the methodology prescribed by Statement of Financial Accounting Standards N° 69 Disclosures about Oil and Gas Producing Activities and includes the Company and its subsidiaries oil and gas production activities as well as the equity shares in its affiliates valued by the equity method. The Company has oil and gas properties in the Argentina and other countries of Latin America; the respective detail is disclosed in Note 27.g. to the financial statements.

The amounts derived from minority interest in consolidated subsidiaries are not significant, therefore, they have not been included.

Amounts in millions of pesos are stated as mentioned in Note 2.c. to the financial statements.



**Table of Contents****Capitalized costs**

The following table presents the capitalized costs as of December 31, 2003 and 2002, for proved and unproved oil and gas properties, and the related accumulated depreciation, depletion and amortization.

	2003		2002	
	Argentine GAAP	US GAAP	Argentine GAAP	US GAAP
	(In millions of constant pesos note 2.c)			
<b>Consolidated companies:</b>				
Proved properties:				
Equipment, camps and other facilities	2,036	1,926	2,527	2,354
Producing properties and wells	7,372	8,192	7,012	7,921
Unproved properties	569	569	950	950
	<u>          </u>	<u>          </u>	<u>          </u>	<u>          </u>
Total capitalized costs	9,977	10,687	10,489	11,225
Accumulated depreciation, depletion and amortization, and allowances which reduce the value of assets	(3,528)	(2,913)	(3,264)	(2,447)
	<u>          </u>	<u>          </u>	<u>          </u>	<u>          </u>
Subtotal of consolidated companies	6,449	7,774	7,225	8,778
<b>Company's share in capitalized costs by unconsolidated affiliates</b>				
	198	285	206	300
	<u>          </u>	<u>          </u>	<u>          </u>	<u>          </u>
Total net capitalized costs	<u>6,647</u>	<u>8,059</u>	<u>7,431</u>	<u>9,078</u>

**Table of Contents****Costs incurred**

The following table presents those costs capitalized as well as expensed that were incurred during each of the years ended as of December 31, 2003, 2002 and 2001. The acquisition of properties includes the cost of acquisition of proved or unproved oil and gas properties. Exploration costs include geological and geophysical costs, costs necessary for retaining undeveloped properties, and drilling costs and exploratory well equipment. Development costs include drilling costs and equipment for developmental wells, costs incurred in improved recovery, the construction of facilities for extraction, treatment and storage of hydrocarbons and all necessary costs to maintain facilities for the existing developed reserves.

	2003			2002		
	Argentine and US GAAP			Argentine and US GAAP		
	Argentina	Rest of Latin América	Total	Argentina	Rest of Latin América	Total
(In millions of constant pesos - note 2.c)						
Consolidated Companies						
Acquisition of properties						
Proved				26		26
Unproved						
Exploration Costs		103	103	22	67	89
Development Costs	343	346	689	222	262	484
Total Costs incurred by consolidated companies	343	449	792	270	329	599
Company's share in costs incurred by unconsolidated companies	9	5	14	7	10	17
Total costs incurred	352	454	806	277	339	616

	2001		
	Argentine and US GAAP		
	Argentina	Rest of Latin América	Total
(In millions of constant pesos - note 2.c)			
Consolidated Companies			

Acquisition of properies			
Proved	468	71	539
Unproved	173	132	305
Exploration Costs	35	22	57
Development Costs	497	736	1,233
	<u>          </u>	<u>          </u>	<u>          </u>
Total Costs incurred by consolidated companies	1,173	961	2,134
Company's share in costs incurred by unconsolidated companies	7	46	53
	<u>          </u>	<u>          </u>	<u>          </u>
Total costs incurred	<u>1,180</u>	<u>1,007</u>	<u>2,187</u>

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**Table of Contents****Results of operations**

The breakdown of results of the operations shown below summarizes revenues and expenses directly associated with oil and gas producing activities for the years ended December 31, 2003, 2002 and 2001. These activities are a part of the Oil and Gas Exploration and Production segment. This breakdown does not include any allocation of financial costs or expenses from Corporate and therefore it is not necessarily an indicator of the contribution in operations for oil and gas producing activities to the net income of the Company. Income tax for the years presented was calculated utilizing the deferred income tax criteria.

	<b>2003</b>					
	<b>Argentine GAAP</b>			<b>US GAAP</b>		
	<b>Argentina</b>	<b>Rest of Latin América</b>	<b>Total</b>	<b>Argentina</b>	<b>Rest of Latin América</b>	<b>Total</b>
	(In millions of constant pesos - note 2.c)					
<b>Results of operations of consolidated companies:</b>						
Net sales:						
- to third parties	594	1,191	1,785	681	1,191	1,872
- transfers to other operations	944		944	944		944
<b>Total net sales</b>	<b>1,538</b>	<b>1,191</b>	<b>2,729</b>	<b>1,625</b>	<b>1,191</b>	<b>2,816</b>
<b>Production costs:</b>						
- Operating Costs	(242)	(247)	(489)	(242)	(247)	(489)
- Royalties and other	(245)	(161)	(406)	(245)	(161)	(406)
<b>Total production costs</b>	<b>(487)</b>	<b>(408)</b>	<b>(895)</b>	<b>(487)</b>	<b>(408)</b>	<b>(895)</b>
Exploration costs	(11)	(185)	(196)	(11)	(185)	(196)
Depreciation, depletion, amortization and allowances which reduce the value of assets	(368)	(593)	(961)	(388)	(726)	(1,114)
Results of operations before income tax	672	5	677	739	(128)	611
Income tax	(235)	(1)	(236)	(228)	46	(182)
Results of operations - consolidated companies	437	4	441	511	(82)	429
<b>Company's share in results of operations by unconsolidated affiliates</b>	<b>13</b>	<b>5</b>	<b>18</b>	<b>9</b>	<b>2</b>	<b>11</b>
<b>Total</b>	<b>450</b>	<b>9</b>	<b>459</b>	<b>520</b>	<b>(80)</b>	<b>440</b>



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	2002					
	Argentine GAAP			US GAAP		
	Argentina	Rest of Latin América	Total	Argentina	Rest of Latin América	Total
	(In millions of constant pesos - note 2.c)					
<b>Results of operations of consolidated companies:</b>						
Net sales:						
- to third parties	849	1,184	2,033	1,006	1,292	2,298
- transfers to other operations	773		773	777		777
	<u>1,622</u>	<u>1,184</u>	<u>2,806</u>	<u>1,783</u>	<u>1,292</u>	<u>3,075</u>
<b>Total net sales</b>						
<b>Production costs:</b>						
- Operating Costs	(257)	(267)	(524)	(236)	(267)	(503)
- Royalties and other	(238)	(159)	(397)	(238)	(159)	(397)
	<u>(495)</u>	<u>(426)</u>	<u>(921)</u>	<u>(474)</u>	<u>(426)</u>	<u>(900)</u>
<b>Total production costs</b>						
Exploration costs	(21)	(37)	(58)	(21)	(37)	(58)
Depreciation, depletion, amortization and allowances which reduce the value of assets	(356)	(391)	(747)	(395)	(593)	(988)
	<u>(750)</u>	<u>(428)</u>	<u>(1,178)</u>	<u>(719)</u>	<u>(630)</u>	<u>(1,349)</u>
Results of operations before income tax	750	330	1,080	893	236	1,129
Income tax	(280)	(32)	(312)	(519)	102	(417)
	<u>470</u>	<u>298</u>	<u>768</u>	<u>374</u>	<u>338</u>	<u>712</u>
Results of operations consolidated companies	470	298	768	374	338	712
<b>Company's share in results of operations by unconsolidated affiliates</b>						
	23	8	31	20		20
	<u>493</u>	<u>306</u>	<u>799</u>	<u>394</u>	<u>338</u>	<u>732</u>
<b>Total</b>						

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	2001					
	Argentine GAAP			US GAAP		
	Argentina	Rest of Latin América	Total	Argentina	Rest of Latin América	Total
	(In millions of constant pesos - note 2.c)					
<b>Results of operations of consolidated companies:</b>						
Net sales:						
- to third parties	714	787	1,501	827	796	1,623
- transfers to other operations	475		475	475		475
	<u>1,189</u>	<u>787</u>	<u>1,976</u>	<u>1,302</u>	<u>796</u>	<u>2,098</u>
<b>Total net sales</b>	1,189	787	1,976	1,302	796	2,098
<b>Production costs:</b>						
- Operating Costs	(272)	(162)	(434)	(264)	(154)	(418)
- Royalties and other	(218)	(97)	(315)	(218)	(97)	(315)
	<u>(490)</u>	<u>(259)</u>	<u>(749)</u>	<u>(482)</u>	<u>(251)</u>	<u>(733)</u>
<b>Total production costs</b>	(490)	(259)	(749)	(482)	(251)	(733)
Exploration costs	(20)	(21)	(41)	(20)	(22)	(42)
Depreciation, depletion, amortization and allowances which reduce the value of assets	(332)	(181)	(513)	(376)	(301)	(677)
	<u>347</u>	<u>326</u>	<u>673</u>	<u>424</u>	<u>222</u>	<u>646</u>
Results of operations before income tax	347	326	673	424	222	646
Income tax	(125)	(57)	(182)	(231)	(103)	(334)
	<u>222</u>	<u>269</u>	<u>491</u>	<u>193</u>	<u>119</u>	<u>312</u>
Results of operations consolidated companies	222	269	491	193	119	312
<b>Company's share in results of operations by unconsolidated affiliates</b>	9	4	13	4	2	6
	<u>231</u>	<u>273</u>	<u>504</u>	<u>197</u>	<u>121</u>	<u>318</u>
<b>Total</b>	231	273	504	197	121	318

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**Estimated oil and gas reserves**

Proved reserves represent estimated quantities of oil (including crude oil, condensate and natural gas liquids) and natural gas, which available geological and engineering data demonstrates with reasonable certainty to be recoverable in the future from known reservoirs under existing economic and operating conditions. Proved developed reserves are proved reserves that can reasonably be expected to be recovered through existing wells with existing equipment and operating methods.

The Company believes that its estimates of remaining proved recoverable oil and gas reserve volumes are reasonable and such estimates have been prepared in accordance with Rule 4-10 of Regulation S-X, the Company's reserve estimates as of December 31, 2003, 2002 and 2001, were audited by Gaffney, Cline & Associates Inc., international technical advisors. The choice of method or combination of methods employed in the analysis of each reservoir was determined by the stage of development, quality and reliability of basic data, and production history.

Reserves engineering is a subjective process of estimation of hydrocarbon accumulation, which cannot be accurately measured, and the reserve estimation depends on the quality of available information and the interpretation and judgment of the engineers and geologists. Therefore, the reserves estimations, as well as future production profiles, are often different than the quantities of hydrocarbons which are finally recovered. The accuracy of such estimations depends, in general, on the assumptions on which they are based.

The following table sets forth the estimated proved reserves of oil (includes crude oil, condensate and natural gas liquids) and natural gas as of December 31, 2003, 2002 and 2001:

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**CRUDE OIL, CONDENSATE AND  
NATURAL GAS LIQUIDS IN  
THOUSAND OF BARRELS**

	<b>CONSOLIDATED COMPANIES</b>		<b>UNCONSOLIDATED COMPANIES</b>		<b>TOTAL</b>
	<b>ARGENTINA</b>	<b>REST OF LATIN- AMERICA</b>	<b>ARGENTINA</b>	<b>REST OF LATIN- AMERICA</b>	
<b>Proved reserves (developed and undeveloped)</b>					
Reserves as of December 31,2000	286,321	474,794	8,270	44,779	814,164
Increase(Decrease) originated in:					
Revisions of previous estimates	(31,960)	(17,103)	(2,519)	(956)	(52,538)
Improved recovery	12,596	17,913	1,670	177	32,356
Extensions and discoveries	14,303	17,769		830	32,902
Purchase of proved reserves in place	24,115	18,398			42,513
Sale of proved reserves in place	(50,816)			(32,632)	(83,448)
Year s production	(24,122)	(21,645)	(578)	(432)	(46,777)
Reserves as of December 31,2001	230,437	490,126	6,843	11,766	739,172
Increase (Decrease) originated in:					
Revisions of previous estimates	(14,493)	(112,545)	(375)	(880)	(128,293)
Improved recovery	4,027	3,510	168		7,705
Extensions and discoveries	6,839	9,596	99	461	16,995
Purchase of proved reserves in place	516				516
Sale of proved reserves in place				(469)	
Year s production	(20,225)	(21,029)	(494)	(469)	(42,217)
Reserves as of December 31,2002	207,101	369,658	6,241	10,878	593,878
Increase (Decrease) originated in:					
Revisions of previous estimates	(18,987)	(3,215)	(39)	(63)	(22,304)

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Improved recovery	9,292	15,045	790	347	25,474
Extensions and discoveries	3,174	18,303	84		21,561
Purchase of proved reserves in place					
Sale of proved reserves in place	(7,707)				(7,707)
Year's production	<u>(20,538)</u>	<u>(20,367)</u>	<u>(559)</u>	<u>(376)</u>	<u>(41,840)</u>
Reserves as of December 31, 2003	<u>172,335</u>	<u>379,424</u>	<u>6,517</u>	<u>10,786</u>	<u>569,062</u>
Proved developed reserves:					
As of December 31, 2000	178,844	172,702	6,278	17,245	375,069
As of December 31, 2001	147,560	198,964	4,364	4,844	355,732
As of December 31, 2002	141,891	173,820	4,428	4,056	324,195
As of December 31, 2003	117,765	166,349	4,320	3,576	292,010

[Additional columns below]

[Continued from above table, first column(s) repeated]

**NATURAL GAS IN MILLION  
OF CUBIC FEET**

	CONSOLIDATED COMPANIES		UNCONSOLIDATED COMPANIES		TOTAL
	ARGENTINA	REST OF LATIN-AMERICA	ARGENTINA	REST OF LATIN-AMERICA	
Proved reserves (developed and undeveloped)					
Reserves as of December 31, 2000	<u>1,162,028</u>	<u>421,810</u>	<u>24,975</u>	<u>1,162,492</u>	<u>2,771,305</u>
Increase(Decrease) originated in:					
Revisions of previous estimates	(402,740)	48,114	(7,054)		(361,680)
Improved recovery	20,605	18,605	1,798		41,008
Extensions and discoveries	71,307	30,582			101,889
Purchase of proved reserves in place	376,365				376,365
Sale of proved reserves in place	(18,002)			(1,162,492)	(1,180,494)
Year's production	<u>(98,206)</u>	<u>(24,058)</u>	<u>(1,590)</u>		<u>(123,854)</u>

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Reserves as of December 31,2001	<u>1,111,357</u>	<u>495,053</u>	<u>18,129</u>	<u></u>	<u>1,624,539</u>
Increase (Decrease) originated in:					
Revisions of previous estimates	(247,448)	(123,594)	(10,702)		(381,744)
Improved recovery	64,550	9,687	11,821		86,058
Extensions and discoveries	88,265	10,662			98,927
Purchase of proved reserves in place					
Sale of proved reserves in place					
Year s production	<u>(90,860)</u>	<u>(22,352)</u>	<u>(1,324)</u>	<u></u>	<u>(114,536)</u>
Reserves as of December 31,2002	<u>925,864</u>	<u>369,456</u>	<u>17,924</u>	<u></u>	<u>1,313,244</u>
Increase (Decrease) originated in:					
Revisions of previous estimates	(127,415)	23,110	(4,549)		(108,854)
Improved recovery		7,261			7,261
Extensions and discoveries	60,416	7,571	954		68,941
Purchase of proved reserves in place					
Sale of proved reserves in place	(49,450)				(49,450)
Year s production	<u>(72,819)</u>	<u>(22,517)</u>	<u>(1,006)</u>	<u></u>	<u>(96,342)</u>
Reserves as of December 31,2003	<u>736,596</u>	<u>384,881</u>	<u>13,323</u>	<u></u>	<u>1,134,800</u>
Proved developed reserves:					
As of December 31, 2000	495,936	241,754	19,793	473,684	1,080,125
As of December 31, 2001	548,526	290,638	13,308		852,472
As of December 31, 2002	539,731	209,854	14,373		763,958
As of December 31, 2003	444,951	207,144	10,514		662,609

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The estimated reserves were subjected to economic tests to determine economic limits. Such estimated reserves in Argentina, Perú and Bolivia, are stated prior to the payment of any royalties as they have the same attributes as taxes on production and, therefore, are treated as operating costs. In Ecuador, due to the type of contract in which the Government has the right to a percentage of production and takes it in kind, the reserves are stated after such percentage. In Venezuela, the Company receives, for its interest in the Oritupano-Leona Block, a fee per barrel delivered to the Government of Venezuela. Additionally, the Company receives a fee for reimbursement of certain capital expenditures. In the Mata, Acema and La Concepción areas, the Company collects a variable fee per barrel delivered that contemplates production costs plus a mark-up. Under these contracts, the Venezuelan government maintains full ownership of all hydrocarbons in fields. The reserve volumes in Venezuela are computed by multiplying the Company's working interest by the gross proved recoverable volumes for the contract area, in accordance with the agreement governing current petroleum operations in Venezuela. The Company is exempt from production royalty payments.

Had the economic method of calculating proved reserves (future expected cash flows of each field divided by the oil market prices at year end) been used, the reported amounts of crude oil, condensate and natural gas liquids proved reserves for consolidated companies in Rest of Latin America would have decreased by approximately 22.9 %, 28.4 % and 14.6 %, and the reported crude oil, condensate and natural gas liquids proved reserves for unconsolidated companies in Rest of Latin America would have decreased by approximately 37.3 %, 42 % and 30.1 % as of December 31, 2003, 2002 and 2001, respectively. The information in this paragraph was not audited by Gaffney, Cline & Associates.

**Standardized measure of discounted future net cash flows**

The following table discloses estimated future net cash flows from future production of proved developed and undeveloped reserves of crude oil, condensate, natural gas liquids and natural gas. As prescribed by Statement of Financial Accounting Standards N° 69, such future net cash flows were estimated using each year-end prices and costs held constant for the life of the reserves (except in such circumstances in which the sale of hydrocarbons is governed by contracts fixing the sale price or its escalation) and using a 10% annual discount factor. Future development costs include estimated drilling costs, exploitation installations and abandonment costs. These future development costs were estimated based on evaluations made by the Company and the operators of the fields in which the Company has an interest. The future income tax was calculated by applying the tax rate in effect as of the date this supplementary information was filed.

This standardized measure is not intended to be and should not be interpreted as an estimate of the market value of the Company's reserves. The purpose of this information is to give standardized data to help the users of the financial statements to compare different companies and make certain projections. It is important to point out that this information does not include, among other items, the effect of future changes in prices, costs and tax rates, which past experience indicates that are likely to occur, as well as the effect of future cash flows from reserves which have not yet been classified as proved reserves, of a discount factor more representative of the value of money over the lapse of time and of the risks inherent to the production of oil and gas. These future changes may have a significant impact on the future net cash flows disclosed below. For all these reasons, this information does not necessarily indicate the perception the Company has on the discounted future net cash flows derived from the reserves of hydrocarbons.

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	2003			2002			2001		
	Argentina	Rest of Latin-America	Total	Argentina	Rest of Latin-America	Total	Argentina	Rest of Latin-America	Total
(in millions of constant pesos note 2.c.)									
<b>Consolidated companies:</b>									
Future cash flows	15,158	22,513	37,671	19,873	25,149	45,022	18,715	25,951	44,666
Future production costs	(3,522)	(6,653)	(10,175)	(3,793)	(6,994)	(10,787)	(5,122)	(8,945)	(14,067)
Future development and abandonment costs	(1,379)	(2,875)	(4,254)	(1,389)	(3,023)	(4,412)	(1,837)	(4,184)	(6,021)
Future income tax	(3,158)	(3,308)	(6,466)	(4,794)	(3,868)	(8,662)	(3,431)	(2,849)	(6,280)
Future net cash flows	7,099	9,677	16,776	9,897	11,264	21,161	8,325	9,973	18,298
10% annual discount	(2,784)	(4,466)	(7,250)	(4,079)	(5,268)	(9,347)	(3,359)	(4,957)	(8,316)
Subtotal of consolidated companies	4,315	5,211	9,526	5,818	5,996	11,814	4,966	5,016	9,982
<b>Company's share in standardized measure by unconsolidated affiliates</b>	150	117	267	156	143	299	117	136	253
<b>Total</b>	<b>4,465</b>	<b>5,328</b>	<b>9,793</b>	<b>5,974</b>	<b>6,139</b>	<b>12,113</b>	<b>5,083</b>	<b>5,152</b>	<b>10,235</b>

As described in Note 5, the Company uses various derivative financial instruments to mitigate the impact of changes in crude oil prices. Had such instruments been considered, the effects on (a) Future cash flows and (b) Total would have been as follows:

	2003	2002	2001
	Rest of Latin-	Rest of Latin-	Rest of Latin-

	<u>Argentina</u>	<u>America</u>	<u>Total</u>	<u>Argentina</u>	<u>America</u>	<u>Total</u>	<u>Argentina</u>	<u>America</u>	<u>Total</u>
Effect on increase (decrease):									
(a) Future cash flows				(38)		(38)	(9)	20	11
(b) Total				(22)		(22)	(7)	11	4

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**Table of Contents****Changes in the standardized measure of discounted future net cash flows**

The following table discloses the changes in the standardized measure of discounted future net cash flows for the years ended December 31, 2003, 2002 and 2001:

	<b>Consolidated and unconsolidated Companies</b>								
	<b>2003</b>			<b>2002</b>			<b>2001</b>		
	<b>Rest of Latin- Argentina</b>	<b>Rest of Latin- America</b>	<b>Total</b>	<b>Rest of Latin- Argentina</b>	<b>Rest of Latin- America</b>	<b>Total</b>	<b>Rest of Latin- Argentina</b>	<b>Rest of Latin- America</b>	<b>Total</b>
	(in millions of constant pesos - note 2.c.)								
<b>Standardized measure at beginning of year</b>	5,974	6,139	12,113	5,083	5,152	10,235	3,697	4,109	7,806
Changes related to oil & gas activities:									
Sales net of production costs	(1,161)	(805)	(1,966)	(1,396)	(900)	(2,296)	(989)	(574)	(1,563)
Net change in sales prices, net of future production costs	(1,520)	(2,015)	(3,535)	2,675	3,245	5,920	1,815	2,429	4,244
Changes in future development costs	(325)	(112)	(437)	192	793	985	(710)	(1,845)	(2,555)
Extensions, discoveries and improved recovery, net of futures production and associated costs	444	800	1,244	905	256	1,161	802	736	1,538
Development costs incurred	351	352	703	229	272	501	504	783	1,287
Revisions of quantity estimates	(1,003)	(56)	(1,059)	(1,072)	(2,774)	(3,846)	(1,785)	(182)	(1,967)
Purchase of reserves in place				15		15	1,036	145	1,181
Sale of reserves in place	(164)		(164)				(466)	(805)	(1,271)
Net change in income taxes	944	230	1,174	(792)	(673)	(1,465)	(480)	(156)	(636)
Accretion of discount	899	835	1,734	730	669	1,399	461	472	933
Changes in production rates	(30)	(181)	(211)	(578)	353	(225)	1,125	(257)	868
Other changes	56	141	197	(17)	(254)	(271)	73	297	370
<b>Standardized measure</b>	4,465	5,328	9,793	5,974	6,139	12,113	5,083	5,152	10,235

at end of year

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**Table of Contents****26. Subsequent events**

## a) Master settlement and mutual release agreement for CIESA

In April 2004, the shareholders of CIESA reached a framework agreement whereby Petrobras Energía and Enron will reciprocally waive any right to make claims arising from or related to certain agreements executed by such groups in connection with their interests in CIESA and TGS. In addition, and in order to provide the flexibility necessary to make progress in restructuring CIESA's financial debt, the framework agreement also provides for the transfer in two phases of certain shares issued by TGS and CIESA. During the first phase (a) Enron will transfer 40% of the shares issued by CIESA to a trust to be organized or an alternative entity; and (b) Petrobras Energía will transfer common class B shares issued by TGS (representing 7.35% of the capital stock of TGS) to Enron. During the second phase, Enron will transfer its remaining interest in CIESA to the abovementioned trust or to an alternative institution while CIESA will simultaneously transfer common class B shares issued by TGS (representing about 4.3 % of the capital stock of TGS) to Enron. In no case shall Petrobras Energía hold (directly or indirectly) more than 50% of the capital stock currently held in CIESA or any controlling interest in CIESA. The transfers are subject to certain conditions, one of which is the approval by the ENARGAS (Argentine gas regulatory agency), which is pending. The framework agreement was subject to the definitive and unappealable approval by the Bankruptcy Court competent in the Enron bankruptcy, which has already been obtained.

## b) Corporate bond issuance

On April 30, 2004, Petrobras Energía issued the second series of Class R medium-term corporate bonds for a total face value amounting to US\$ 100 million ( the New Class R Corporate Bonds ) which make up a single and fungible class with medium-term corporate bonds for a face value of US\$ 100 million issued on October 31, 2003. The New Class R Corporate Bonds will mature on October 30, 2013, and accrue interest at 9.375% p.a. The funds were used to settle existing liabilities.

## c) Increase in our share in OCP:

The Company and Tenco entered into a put and call option agreement whereby Tenco granted the Company the irrevocable option to require Tenco to sell to the Company the shares and subordinated debt comprising its 2.46% ownership interest, and the Company granted to Tenco the irrevocable option to require the Company to purchase from Tenco the shares and subordinated debt comprising its ownership interest. On May 2004, the option was exercised by Tenco, causing the Company to pay US\$ 14 million. Consequently, the Company's current interest in OCP increased to 11.42%.

**27. Other consolidated information**

The following tables present additional consolidated financial statement disclosures required under Argentine GAAP.

- a) Property, plant and equipment.
- b) Equity in affiliates
- c) Costs of sales.
- d) Foreign currency assets and liabilities.
- e) Consolidated detail of expenses incurred and depreciation.
- f) Information about ownership in subsidiaries and affiliates.

- g) Oil and gas areas and participation in joint ventures.
- h) Combined joint ventures and consortia assets, liabilities and results.

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**Table of Contents****a) Property, plant and equipment as of December 31, 2003, 2002 and 2001**

(Stated in millions of Argentine Pesos See Note 2.c)

	<b>2003</b>						<b>Total</b>
	<b>Oil and Gas</b>	<b>Hidrocarbons Corporate, Other</b>					
	<b>Exploration</b>	<b>Marketing</b>		<b>Discontinued Investments</b>			
	<b>and Production</b>	<b>and Refining</b>	<b>Petrochemical</b>	<b>Electricity</b>	<b>Transportation</b>	<b>and Eliminations</b>	
Net book value at beginning of the year	7,225	178	770	2,123		137	10,433
Net book value at beginning from proportional interest in CIESA					2,198		2,198
Effect of translation	(631)		(78)				(709)
Net increase	508	23	37	40	12	33	653
Depreciation	653	20	77	147	86	33	1,016
Net book value at end of year	<u>6,449</u>	<u>181</u>	<u>652</u>	<u>2,016</u>	<u>2,124</u>	<u>137</u>	<u>11,559</u>

	<b>2002</b>						<b>Total</b>
	<b>Oil and Gas</b>	<b>Hidrocarbons Corporate, Other</b>					
	<b>Exploration</b>	<b>Marketing</b>		<b>Discontinued Investments</b>			
	<b>and Production</b>	<b>and Refining</b>	<b>Petrochemical</b>	<b>Electricity</b>	<b>Transportation</b>	<b>and Eliminations</b>	
Net book value at beginning of the year	5,888	191	633	2,236	2,244	441	11,633
CIESA decolsolidation					(2,244)		(2,244)
Effect of translation	1,720		201				1,921
Net increase	366	5	30	37		(264)	174
Depreciation	749	18	94	150		40	1,051
Net book value at end of year	<u>7,225</u>	<u>178</u>	<u>770</u>	<u>2,123</u>	<u>2,124</u>	<u>137</u>	<u>10,433</u>

2001

	<b>Oil and Gas</b>	<b>Exploration and Production</b>	<b>Refining</b>	<b>Petrochemicals</b>	<b>Electricity</b>	<b>Hidrocarbons Marketing and Transportation</b>	<b>Corporate, Other Discontinued Investments and Eliminations</b>	<b>Total</b>
Net book value at beginning of the year	4,511	180	684	774			424	6,573
Net book value at beginning from proportional interest in CIESA and DISTRILEC				1,467	2,106			3,573
Net increase	1,891	26	13	159	226		49	2,364
Depreciation	514	15	64	164	88		32	877
Net book value at end of year	<u>5,888</u>	<u>191</u>	<u>633</u>	<u>2,236</u>	<u>2,244</u>		<u>441</u>	<u>11,633</u>

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**Table of Contents****b) Equity in affiliates**

(Stated in millions of Argentine Pesos - See Note 2.c)

Company	2003			
	Description of securities			
	Face value	Amount	Cost	Book value
Shares				
Citelec S.A.	\$ 1	73,154,437	298	158
Coroil S.A.	Bs 1.000	490	47	56
Empresa Boliviana de Refinación S.A.	\$B1 1.000	178,752	103	114
Enron de inversiones de Energía S.C.A.				
Hidroneuquén S.A.	\$ 10	25,744,097	26	16
Inversora Mata S.A.	Bs 1.000	490	72	98
Oleoducto de Crudos Pesados Ltd.	U\$S 0,01	31,500	98	81
Oleoductos del Valle S.A.	\$ 10	2,542,716	61	80
Petrolera Entre Lomas S.A.	\$ 1	96,050	2	45
Petroquímica Cuyo S.A.	\$ 0,083	240,000,000	43	46
Refinería del Norte S.A.	\$ 10	2,610,809	63	109
Transportadora de Gas del Sur S.A.	\$ 1	58,408,751	169	167
Yacylec S.A.	\$ 0,1	100,000,000	25	26
Total			1,007	996

[Additional columns below]

[Continued from above table, first column(s) repeated]

Company	2003				2002	
	Last available financial statements				Book value	
	Main business	Date	Capital stock	Net income for the year		Equity
Shares						
Citelec S.A.		30/09/2003	249	61	333	71

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	Investor in Transener S.A.					
Coroil S.A.	Investor in Acema consortium	30/09/2003	(3)	109		37
Empresa Boliviana de Refinación S.A.	Refining					136
Enron de inversiones de Energía S.C.A.						
Hidroneuquén S.A.	Electric transmission					16
Inversora Mata S.A.	Investor in Mata consortium	30/09/2003	6	200		112
Oleoducto de Crudos Pesados Ltd.	Oil storage and shipment					98
Oleoductos del Valle S.A.	Oil storage and shipment	31/12/2003	110	9	346	89
Petrolera Entre Lomas S.A.	Oil & Gas	31/12/2003	1	69	234	40
Petroquímica Cuyo S.A.	Petrochemical	30/09/2003	50	16	142	29
Refinería del Norte S.A.	Refining	30/06/2003	92	56	341	89
Transportadora de Gas del Sur S.A.	Oil transportation	30/09/2003	794	244	2,016	88
Yacylec S.A.	Electric transmission	30/09/2003	45	8	118	27
						<hr/>
Total						<hr/> <b>832</b> <hr/>

**Table of Contents****c) Costs of sales for the years ended December 31, 2003, 2002 and 2001**

(Stated in millions of Argentine Pesos - See Note 2.c)

	<b>2003</b>						<b>Total</b>
	<b>Oil and Gas</b>	<b>Hydrocarbons</b>				<b>Corporate, Other</b>	
	<b>Exploration</b>	<b>Marketing</b>		<b>Discontinued Investments and</b>			
	<b>and Production</b>	<b>Refining</b>	<b>Petrochemical</b>	<b>Electricity</b>	<b>Transportation</b>	<b>Eliminations</b>	
Inventories at beginning	129	97	169	38		(38)	395
Effect of traslation	(10)		(6)				(16)
Investores at begining from proportional interest in CIESA					3		3
Costs (Section e)	1,383	54	149	283	156	1	2,026
Holding gain (losses)	2	12		1		(6)	9
Purchases, consumption and other	54	1,146	824	236	133	(1,044)	1,349
Inventories at end	(110)	(129)	(155)	(35)	(8)	57	(380)
<b>Costs of sales</b>	<b>1,448</b>	<b>1,180</b>	<b>981</b>	<b>523</b>	<b>284</b>	<b>(1,030)</b>	<b>3,386</b>

	<b>2002</b>						<b>Total</b>
	<b>Oil and Gas</b>	<b>Hydrocarbons</b>				<b>Corporate, Other</b>	
	<b>Exploration</b>	<b>Marketing</b>		<b>Discontinued Investments and</b>			
	<b>and Production</b>	<b>Refining</b>	<b>Petrochemical</b>	<b>Electricity</b>	<b>Transportation</b>	<b>Eliminations</b>	
Inventories at beginning	92	75	130	28	2	231	558
Effect of traslation	4		3				7
Costs (Section e)	1,538	40	157	337	3	55	2,130
Holding gain (losses)	16	(43)	(4)	5		21	(5)
Purchases, consumption and other	79	969	775	299	6	(939)	1,189
Assets for sales				(23)		(177)	(200)
Inventories at end	(129)	(97)	(169)	(38)		38	(395)
<b>Costs of sales</b>	<b>1,600</b>	<b>944</b>	<b>892</b>	<b>608</b>	<b>11</b>	<b>(771)</b>	<b>3,284</b>

	2001						
	Oil and Gas				Hydrocarbons Corporate, Other		
	Exploration and Production	Refining	Petrochemical	Electricity	Marketing and Transportation	Discontinued Investments and Eliminations	Total
Inventories at beginning	75	95	132	37		240	579
Costs (Section e)	1,139	49	145	384	239	63	2,019
Purchases, consumption and other	66	642	519	539	63	(493)	1,336
Inventories at end	(92)	(75)	(130)	(28)	(2)	(231)	(558)
Investores at end from proportional interest in CIESA and DISTRILEC				(26)	(3)		(29)
Costs of sales	1,188	711	666	906	297	(421)	3,347

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**Table of Contents****d) Foreign currency assets and liabilities as of December 31, 2003 and 2002**

(Stated in millions of Argentine Pesos See Note 2.c)

	<b>Foreign currency and amount</b>		<b>Exchange rate</b>	<b>Book amount in local currency</b>
<b>CURRENT ASSETS</b>				
Cash	US\$	30	2.9400	88
	BS	575	0.0018	2
				<u>90</u>
Investments	US\$	248	2.9400	729
	Rs	3	1.0177	3
				<u>732</u>
Trade receivables	US\$	167	2.9400	491
	Rs	74	1.0177	75
	BS	4,948	0.0018	9
				<u>575</u>
Other receivables	US\$	132	2.9400	389
	BS	56,075	0.0018	102
	\$BoI	24	0.3750	9
	Rs	12	1.0177	12
				<u>512</u>
	TOTAL 2003			<u>1,909</u>
	TOTAL			1,908

	2002		
<b>NONCURRENT ASSETS</b>			
Trade receivables	US\$	11 2.9400	32
Other receivables	US\$	15 2.9400	45
	BS	43,980 0.0018	80
Investments	US\$	97 2.9400	125 284
		TOTAL	
		2003	441
		TOTAL	
		2002	282
<b>TOTAL ASSETS 2003</b>			2,350
<b>TOTAL ASSETS 2002</b>			2,190
	<b>Foreign currency</b>	<b>Exchange</b>	<b>Book</b>
	<b>and amount</b>	<b>rate</b>	<b>amount in</b>
			<b>local</b>
			<b>currency</b>
<b>CURRENT LIABILITIES</b>			
Accounts payable	US\$	182 2.9400	535
	Rs	4 1.0177	4
	BS	17,592 0.0018	32
			571
Short-term debt	US\$	1,072 2.9400	3,152
			3,152

				_____
Payroll and social security taxes	US\$	2	2.9400	5
	BS	1,100	0.0018	2
	Sol	2	0.8487	2
	Rs	3	1.0177	3
				_____
				12
				_____
Taxes payable	US\$	1	2.9400	2
	Rs	12	1.0177	12
	BS	23,090	0.0018	42
				_____
				56
Other liabilities	Rs	2	1.0177	2
	US\$	94	2.9400	276
				_____
				278
				_____
				4,069
				_____
				1,898
				_____
<b>NONCURRENT LIABILITIES</b>				
Accounts payable	US\$	1	2.9400	2
				_____
Long-term debit	US\$	<b>1734</b>	2.9400	5,098
				_____
Taxes payable	US\$		2.9400	1
	BS	1,100	0.0018	2
	Rs	3	1.0177	3
				_____
				6
				_____
Other liabilities	US\$	69	2.9400	204

	BS	12644	0.001819	<u>23</u>
				<u>227</u>
Reserves	US\$	68	2.9400	<u>201</u>
			TOTAL 2003	<u>5,534</u>
			TOTAL 2002	<u>6,315</u>
<b>TOTAL LIABILITIES 2003</b>				<b><u>9,603</u></b>
<b>TOTAL LIABILITIES 2002</b>				<b><u>8,213</u></b>

US\$ Millions of United States Dollars

BS Millions of Bolívares

Rs Millions of Reales

\$Bol Millions of Pesos Bolivianos

Sol Millions of Nuevos Soles Peruanos

**Table of Contents****e) Consolidated detail of expenses incurred and depreciation for the years ended  
December 31, 2003, 2002 and 2001**

(Stated in millions of Argentine Pesos See Note 2.c)

	2001	2002	2003			
	Total	Total	Total	Costs	Administrative and selling expenses	Exploration expenses
Salaries and wages	413	268	266	110	152	4
Social security taxes	55	32	37	17	19	1
Other benefits to personnel	70	58	100	30	69	1
Taxes, charges and contributions	67	51	47	28	18	1
Fees and professional advisory	140	81	80	37	42	1
Depreciation of property, plant and equipment	877	1,051	1,016	940	76	
Amortization of other assets	17	8	14	11	3	
Oil and gas royalties	264	348	332	331		1
Spares and repairs	99	103	110	109	1	
Geological and geophysical expenses	31	28	6			6
Transportation and freights	148	156	178	35	143	
Construction contracts and other services	291	328	309	252	56	1
Impairment of unproved oil and gas properties		17	180			180
Fuel, gas, energy and other	44	37	35	34	1	
Other operating costs and consumption	282	260	139	96	43	
Allowances for doubtful accounts	34	30	31	21	10	
Recovery of administrative expenses	(107)	(59)	(99)	(25)	(74)	
<b>Total 2003</b>			2,781	2,026	559	196
<b>Total 2002</b>		2,797		2,130	609	58
<b>Total 2001</b>	2,725			2,019	665	41

**Table of Contents****f) Information about ownership in subsidiaries and affiliates as of December 31, 2003**

	% OF OWNERSHIP AND VOTES		BUSINESS SEGMENT
	DIRECT	INDIRECT	
<b>Subsidiaries</b>			
Corod Producción S.A. (Venezuela)		98.21	Oil and Gas Exploration and Production
Ecuadortlc S.A. (Ecuador)		98.21	Oil and Gas Exploration and Production
Enecor S.A.		68.74	Electricity
Innova S.A. (Brasil)		98.21	Petrochemical
PCI Power Edesur Holding Ltd. (Islas Bermudas)		98.21	Electricity
Petrobras Holding Austria AG (Austria)		98.21	Corporate
Pecom de Valores Internacional de España S.A. (España)		98.21	Corporate
Pecom Forestal S.A. (1)		98.21	Other investment
Petrobras Energia S.A.	98.21		Corporate
Pecom Energía Internacional S.A.		98.21	Corporate
Petrobras Energía Operaciones S.A. (Ecuador)		98.21	Oil and Gas Exploration and Production
Petrobras Financial Services (Gran Cayman)		98.21	Corporate
Petrobras Financial Services GMBH (Austria)		98.21	Corporate
Pecom Hispano Argentina S.A. (España)		98.21	Corporate
Petrobras Bolivia International S.A. (Bolivia)		98.21	Corporate
Petrobras Energía Ecuador (Gran Cayman)		98.21	Oil and Gas Exploration and Production
Petrobras Energia Perú S.A. (Perú)		98.21	Oil and Gas Exploration and Production
Petrobras Energia Venezuela S.A. (Venezuela)		98.21	Oil and Gas Exploration and Production
Petrolera San Carlos S.A. (Venezuela)		98.21	Oil and Gas Exploration and Production
Petroleum Commercial Supply, Inc. (EEUU)		98.21	Other investment
World Energy Business S.A.		99.21	Hydrocarbons Marketing and Transportation
World Fund Global Investment (Gran Cayman)		98.21	Corporate
World Fund Investment S.A. (Bolivia)		98.21	Corporate
World Fund Financial Services (Gran Cayman)		98.21	Corporate

**Main affiliates join control**

Cía. de Inversiones de Energía S.A.	49.10	Hydrocarbons Marketing and Transportation
Cítelec S.A.	49.10	Electricity
Distrielec Inversora S.A.	47.63	Electricity
Edesur S.A.	26.84	Electricity
Transba S.A.	28.72	Electricity
Transener S.A.	32.50	Electricity
Transportadora de Gas del Sur S.A.	34.37	Hydrocarbons Marketing and Transportation

**Main affiliates significance influence**

Coroil S.A. (Venezuela)	48.12	Oil and Gas Exploration and Production
Empresa Boliviana de Refinación S.A. (Bolivia)	48.10	Refining
Hidroneuquén S.A.	9.02	Electricity
Inversora Mata S.A. (Venezuela)	48.12	Oil and Gas Exploration and Production
Oleoducto de Crudos Pesados Ltd. (Gran Cayman)	8.80	Hydrocarbons Marketing and Transportation
Oleoducto de Crudos Pesados S.A. (Ecuador)	8.80	Hydrocarbons Marketing and Transportation
Oleoductos del Valle S.A.	22.69	Hydrocarbons Marketing and Transportation
Propyme S.G.R	49.08	Corporate
Petrolera Entre Lomas S.A.	18.87	Oil and Gas Exploration and Production
Petroquímica Cuyo S.A.	39.28	Petrochemical
Refinería del Norte S.A.	27.99	Refining
Urugua-í S.A.	28.80	Electricity
Yacylec S.A.	21.82	Electricity

(1) See Vote 9.V.a)

**Table of Contents****g) Oil and gas areas and participation in joint ventures as of December 31, 2003**

<b>NAME</b>	<b>LOCATION</b>	<b>WORKING INTEREST (2)</b>	<b>OPERATOR</b>	<b>DURATION THROUGH</b>
<b>Production</b>				
<b>Argentina</b>				
25 de Mayo Medanito S.E.	La Pampa and Río Negro	100.00%	Petrobras Energía	2016
Jagüel de los Machos	Río Negro and La Pampa	100.00%	Petrobras Energía	2015
Puesto Hernández U.T.E.	Mendoza and Neuquén	38.45%	Petrobras Energía	2016
Bajada del Palo U.T.E.	La Amarga Chica Neuquén	80.00%	Petrobras Energía	2015
Santa Cruz II U.T.E.	Santa Cruz Neuquén and Río Negro	100.00%	Petrobras Energía	2017 2019
Río Neuquén	Neuquén and Río Negro	17.90%	Petrolera Entre Lomas S.A.	2016
Entre Lomas	Neuquén	80.00%	Petrobras Energía	2022
Aguada de la Arena	Neuquén	55.00%	Petrobras Energía	2016
Veta Escondida y Rincón de Aranda U.T.E.	Neuquén	55.00%	Petrobras Energía	2016
Santa Cruz I U.T.E.	Santa Cruz	71.00%	Petrobras Energía	2016
<b>Foreign</b>				
Colpa Caranda	Bolivia	100.00%	Petrobras Energía	2029
Oritupano Leona	Venezuela	55.00%	PE Venezuela	2014
Acema	Venezuela	86.23%	Petrolera Coroil	2017
La Concepción	Venezuela	90.00%	PE Venezuela	2017
Mata	Venezuela	86.23%	Petrolera Mata	2018
Lote X	Perú	100.00%	PE Perú	2024
Bloque 18	Ecuador	70.00%	Ecuadortlc	2021
<b>Exploration</b>				
<b>Argentina</b>				
Glencross (1)	Santa Cruz	96.68%	Petrobras Energía	1999
Santa Cruz I Oeste	Santa Cruz	100.00%	Petrobras Energía	2006
Santa Cruz II Oeste	Santa Cruz	100.00%	Petrobras Energía	2005
Cuenca Marina 2A Norte-U.T.E.	Santa Cruz	50.00%	Petrobras Energía	2006
<b>Foreign</b>				
San Carlos	Venezuela	50.00%	Pet. San Carlos	2005
Tinaco	Venezuela	50.00%	PE Venezuela	2005
Bloque 31	Ecuador	100.00%	Petrobras Energía	2004

(1)



**Pecom Energía has requested that the lot be declared operational with commercial operation held in suspense.**

**(2) Indirect interest through Pecom Energía and its subsidiaries.**

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**Table of Contents****h) Combined joint ventures and consortia assets and liabilities as of December 31, 2003 and 2002 and results for the years as of December 2003, 2002 and 2001 then ended.**

(Stated in millions of Argentine Pesos - See Note 2.c)

	<u>2003</u>	<u>2002</u>
<b>Assets and liabilities</b>		
Current assets	687	705
Noncurrent assets	2,726	2,909
	<u>          </u>	<u>          </u>
Total assets	3,413	3,614
	<u>          </u>	<u>          </u>
Current liabilities	353	206
Noncurrent liabilities	25	
	<u>          </u>	<u>          </u>
Total liabilities	378	206
	<u>          </u>	<u>          </u>

	<u>2003</u>	<u>2002</u>	<u>2001</u>
<b>Statements of income</b>			
Net sales	1,071	1,224	881
Costs of sales	(536)	(661)	(426)
	<u>          </u>	<u>          </u>	<u>          </u>
Gross profit	535	563	455
Administrative and selling expenses	(40)	(66)	(52)
Exploration expenses	(6)	(25)	(11)
Other exploitation income, net	18	(13)	4
Financial income (expense) and holding gains (losses)	2	1,195	2
Income tax provision	13	(14)	(15)
	<u>          </u>	<u>          </u>	<u>          </u>
Net income	522	1,640	383
	<u>          </u>	<u>          </u>	<u>          </u>

	<u>2003</u>	<u>2002</u>	<u>2001</u>
Net cash provided by operating activities	164	48	580
Net cash used in investing activities	(407)	(378)	(850)
Net cash provided by financing activities	249	354	273