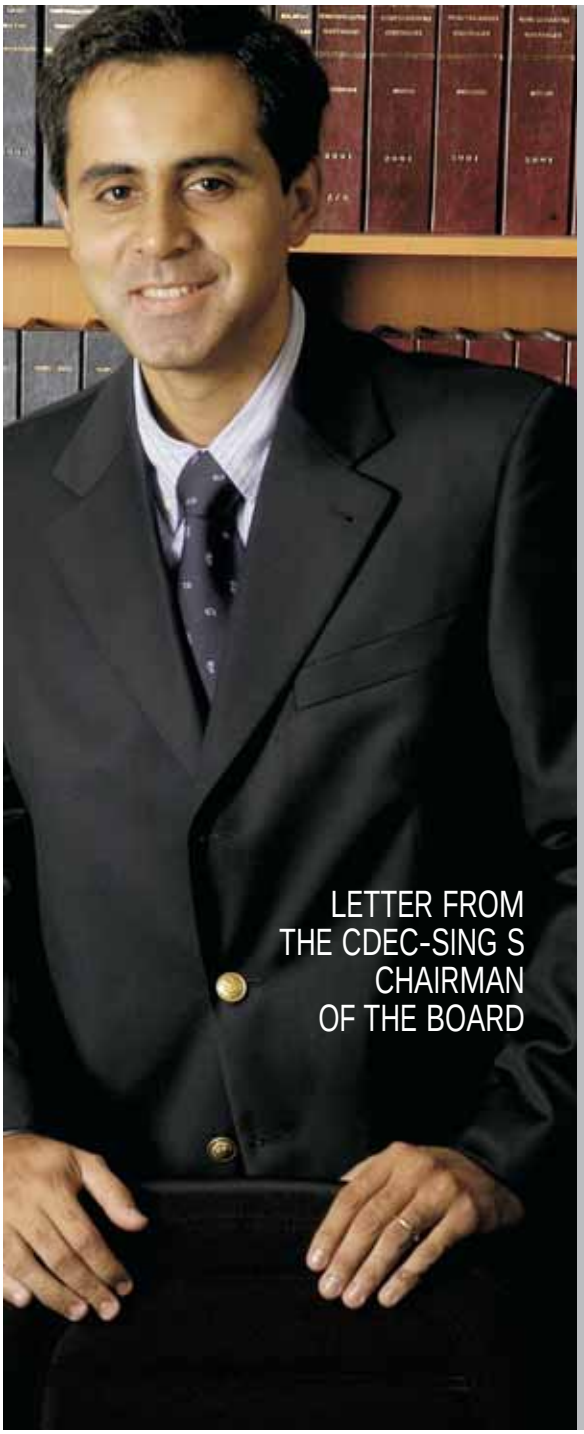
TABLE OF CONTENTS



LETTER FROM THE CDEC-SING S CHAIRMAN OF THE BOARD

I am pleased to submit the eleventh version of the Operations Statistics of the electricity generation and transmission system coordinated by the Norte Grande Interconnected System (SING), along with a summary of the relevant events of the SING's operation during the year 2005.

This issue will enable you have an insight of operating information for the period 1996-2005, including the results of electricity generation, transmission and consumption on the SING; fuel consumption of the generation companies throughout the period; transfers of energy and power among the companies that are members of the Economic Dispatch Load Center of the SING (CDEC-SING); and other information that may be useful to the agents coordinated by this CDEC and for users and interested parties in general in the electricity sector of the Norte Grande area which encompasses the country's First and Second Regions.

At the end of the year 2005, the CDEC-SING's Board of Directors was made up by the following companies: AESGENER, CELTA, EDELNOR, ELECTROANDINA, GASATACAMA GENERACION, NORGENER and TRANSELEC NORTE.

The SING's operations during the year 2005 evidenced a level of gross maximum hourly generation reaching 1,635 MW, whereas gross energy output accumulated during the year 2005 was equal to 12,657 GWh, hence involving an annual growth of 2.7% relative to the previous year. In terms of energy sales to end-users, these totaled 11,560 GWh during the year 2005, representing an increase of 2.8% with respect to year 2004.

In what respects the distribution of fuels and technologies used, during the year 2005, 63.4% of electricity injected into the SING came from natural gas-fueled power plants, followed by power plants that burn coal and other solid fuels which contributed 35.9%. The rest of the generation was distributed in power plants that operated on Fuel Oil (0.1%), Diesel Oil (0.1%) and hydro (0.5%).

In a very broad manner, when reviewing the figures submitted, it must be borne in mind that during the year 2005, SING operations had to be conducted in a context of restrictions affecting the supply of natural gas from Argentina and an overall setting of high coal prices on the international markets, elements which, without any doubt, affected operations in a very significant manner.

In what regards the incorporation of new facilities on the SING, it is worth mentioning that during the year 2005, a great number of facilities were commissioned. Among others, the following new installations were commissioned:

- Sulfuros Sub-station 220/69/13.8 kV, owned by Minera Escondida Ltda.
- 220 kV Domeyko - Sulfuros line, owned by Minera Escondida Ltda.
- Spence Sub-station 220/23 kV, owned by Minera Spence S.A.
- 220 kV Encuentro - Spence line, owned by Minera Spence S.A.
- Salar Substation 220/110/13.8 kV, owned by Codelco Chile - Codelco Norte Division.
- 220 kV Crucero - Salar Line, section Torre 323 - Salar, owned by Codelco Chile - Codelco Norte Division.
- 220 kV Salar - Chuquicamata Line, section Salar - Torre 323, owned by Codelco Chile - Codelco Norte Division.
- 110 kV Salar - km6 Line, owned by Codelco Chile - Codelco Norte Division.
- Nueva Victoria Sub-station 220/66/23 kV, owned by Sociedad Qu mica y Minera de Chile.
- Barriles Substation 220/110/13.8 kV, owned by Grace S.A.

At the level of legal provisions, it is worth mentioning the enactment of Law 20,018 on May 19, 2005, which introduced a number of amendments to Decree Law No. 1/82, with the purpose of creating the necessary mechanisms to address the challenges that were imposed by the restrictions in the supply of natural gas from Argentina which the country is currently facing. These legal changes also contemplated modifications in the configuration of the CDEC'S Board of Directors, by establishing the participation of representatives from sub-transmission companies and large clients, which will become a part of the Board as provided by the corresponding regulation.

Furthermore, and always at the regulatory level, during the recently past year the CDEC-SING had to submit a proposal of complementary services to the National Energy Commission (CNE) in accordance to the provisions stipulated in Law No. 19,940 published in the year 2004, and which considered rendering tension regulation and frequency regulation services as well as planning service recovery.

On the other hand, during the year 2006, the CDEC-SING had to begin the process of implementing the new Technical Standard to ensure Reliability and Quality of Service (NT de SyCS), published on March 21 and amended on May 28, both in year 2005, which involves all the entities coordinated by the CDEC-SING and is defined according to standing norms. To this purpose, CDEC-SING has had, among other duties, to prepare and agree on new procedures and analyze and/or coordinate the technical studies anticipated in that set of norms; to this end, CDEC-SING had to increase its headcount. Within the frame of these activities, it is worth mentioning the process whereby the SCADA System was awarded, and which represents one of the most significant investments made by CDEC-SING and which undoubtedly will constitute a significant contribution to coordination at the operational level.

During the year 2006, the CDEC-SING will have to face the coordination of the operation in a setting of increasing demand, derived from a series of projects that are related mainly to copper mining which have been planned to begin operations during this year, within a context of high prices for this mineral on the international markets, while it also confronts a setting of restriction in the supply of natural gas from Argentina. Concurrently to this, it must also continue with the process of implementing the Technical Standard to ensure Security and Quality of Service which considers, among other things, the completion of the report on compliance of minimal requirements established in standing norms regarding the facilities of member companies, the implementation of the plans to automatically disconnect load, the implementation of the SCADA System and the application of procedures prepared by the Operations and Wheeling Directorate that have been submitted to the National Energy Commission (CNE) for their approval.

Finally, let me close this letter by extending my appreciation for the contributions and assistance of the Directors of the member companies of the CDEC-SING, the Director of Operations and Wheeling and by each one of the workers of the Directorates of Operations and Wheeling, whose effort and enthusiasm are essential to fulfill the legal and regulatory obligations governing our CDEC-SING.

Sincerely,

Rodrigo Quinteros Fernandez
Chairman of CDEC-SING's Board of Directors

CDEC-SING

CDEC-SING S BOARD OF DIRECTORS

From left to right /

CHAIRMAN

Rodrigo Quinteros Fern ndez
NORGENER S.A.

BOARD MEMBERS

Francisco Promis Baeza
EDELNOR S.A.

Lucas Sanhueza Yovanovich
ELECTROANDINA S.A.

Eduardo Soto Trincado
CELTA S.A.

Pedro De la Sotta S nchez
GASATACAMA GENERACI N S.A.

Carlos Aguirre Pallavicini
AES GENER S.A.

Eduardo Andrade Hours
HQI TRANSELEC NORTE S.A.

SECRETARY OF THE BOARD OF DIRECTORS

Patricio Lagos Ruiz

ALTERNATE BOARD MEMBERS

Juan Pablo C rdenas P rez
NORGENER S.A.

Maximiliano Miranda Parra
EDELNOR S.A.

Aldo Arriagada Mass
ELECTROANDINA S.A.

Miguel Buzun riz Ramos
CELTA S.A.

Javier Alemany Mart nez
GASATACAMA GENERACI N S.A.

Carlos Campos Johnson
AES GENER S.A.

Belisario Maldonado Molina
HQI TRANSELEC NORTE S.A.

CDEC-SING

CDEC-SING STRUCTURE

DIRECTOR OF OPERATIONS AND WHEELING
Carlos Finat D az

SUBDIRECTOR OF OPERATIONS
V ctor Hugo Araya Jim nez

SUBDIRECTOR OF WHEELING
Claudia Carrasco Arancibia

HEAD DISPATCH AND CONTROL
Ra l Moreno Torner a

HEAD OF PLANNING AND STUDIES
Patricio Valenzuela V squez

HEAD OF TRANSFERS
Jos Miguel Ar valo Araneda

HEAD OF STUDIES
Felipe Morales Silva

CDEC-SING
Personnel
Antofagasta

CDEC-SING
Personnel
Santiago

INTRODUCTION AND BRIEF HISTORY

GENERAL DESCRIPTION

The Norte Grande Interconnected System (SING) comprises between Tarapac and Antofagasta, First and Second Regions of Chile, respectively, covering a surface of 185,142 km2, equivalent to 24.5% of the country's continental territory. This zone is characterized by an extremely dry climate, which accounts for the barren landscape, featuring a transversal relief as well as high mountains, having a very marked effect on both the distribution and density of the population, which is located along the coastal border. At present, according to figures provided by the 2002 census, population is 6.1% of national population and is concentrated mainly in some cities and villages that are quite distant from each other. The following important traits of the SING can be identified

ÆScarce water resources for purposes of electricity generation.
ÆGeographically separated electricity consumption centers.
ÆMining concerns are the main consumers of electric energy.

HISTORICAL BACKGROUND

Owing to the hydrologic, climatic and geographic condition of the SING, electricity was supplied to the different consumption centers by resorting to local systems, completely independent from each other and aimed exclusively at solving local needs. At the end of 1987, some of these systems became interconnected, originating the Norte Grande Interconnected System.

On July 30 1993, the coordinated operation of the facilities on the SING began when the Economic Load Dispatch Center (CDEC) was set up on the SING. When it started to operate, the CDEC-SING was

CDEC-SING

made up by the generation companies EDELNOR S.A., ENDESA and the Tocopilla Division of CODELCO-Chile, now called ELECTROANDINA S.A. At December 2005, the CDEC-SING was made up by the companies EDELNOR, ELECTROANDINA, NORGENER, CELTA, GASATACAMA GENERACI N, AES GENER, and TRANSELEC NORTE.

CONTENTS OF THIS PUBLICATION

This document contains relevant information about the SING for the period between January 1996 and December 2005. The information has been organized into five chapters that comprise the following topics:

The first chapter contains the letter from the Chairman of the Board of Directors, the membership of the Board of Directors and the Structure of the Directorates of Operations and Wheeling.

The second chapter includes a brief historical overview of the CDEC-SING.

The third chapter addresses the tasks and responsibilities of the CDEC-SING, including the regulatory framework, in effect at December 2005, regulating its operation, and its powers and responsibilities. It also includes information on the transmission network and the generation fleet at December 2005, describing the characteristics of the transmission and generation facilities, and provides the main information regarding the generation and transmission facilities of the SING and identifies the main loads.

The fourth chapter describes the relevant events in place on the SING in the year 2005. The fifth chapter contains the statistics of the operation of the system since January 1996 until December 2005, and includes graphs and tables that show the evolution of production and consumption, along with the amounts and prices of energy and power transfers between the corresponding member companies.

HISTORICAL OVERVIEW

Initially, the electricity needs of the Norte Grande Region were satisfied by the development of electricity systems which evolved separately. In the year 1980, the National Energy Commission (CNE), persuaded of the advantages afforded by interconnected electricity systems, began the studies to analyze the feasibility of joining the system Tocopilla-Chuquicamata of the Chuquicamata Division of CODELCOCHILE to the systems of EDELNOR in the Norte Grande Region. To this end, CNE had the wholehearted involvement of EDELNOR, CODELCO, ENDESA and SOQUIMICH. This study yielded very positive results, which led CNE to promote this project in a very decisive manner.

The first steps were taken in 1983, when CODELCO and EDELNOR agreed to undertake the works needed for Unit No. 12, which was the first Steam-Coal Unit operating on the SING. Later on, in 1984, a contract was signed whereby Tocopilla Division of CODELCO-CHILE supplied 56 MW to EDELNOR, as from November 1987, and which eventually would increase to 101 MW.

CNE's backing and EDELNOR, CODELCO-CHILE and ENDESA's joint efforts , were the key factors for the birth of the SING in November 1987. As a logical step, CODELCO contributed a modern Load Dispatch Center located in Tocopilla which is equipped with a System for the Control and Acquisition of Data (SCADA).

In addition, CODELCO expanded the Tocopilla Power Plant by installing Steam-Coal Units No. 14 and No. 15 with a capacity of 125 MW each and built 220 kV transmission lines from the Tocopilla Substation to the Crucero and Chuquicamata Substations.

In turn, EDELNOR built the 220 kV interconnection between its systems in Tarapac and Antofagasta, the terminal substations Mejillones and Pozo Almonte, and the Crucero Substation that served as a link with the CODELCO system. Additionally, it raised the tension to 110 kV of the line Arica-Pozo Almonte and strengthened the connection Iquique-Pozo Almonte. It also interconnected Mejillones with Antofagasta with a 110 kV line and incorporated a Load Dispatch Center located in Antofagasta, equipped with a System for the Control and Acquisition of Data (SCADA).

On July 30, 1993, ENDESA became a member company of CDEC-SING and started to operate its 74 MW Mejillones power station in the same city, the coordinated operation of the transmission and generation facilities began in accordance to what was provided in the Electricity Services General Law of 1982 (Decree Law No.1/1982) and the Coordination Regulations stipulated by Supreme Decree No. 6 of 1985. At the moment when CDEC-SING began to operate, it hat a total installed capacity of 741, 5 MW.

In February 1995, NORGENER became a member company of the CDEC-SING with the operation of Unit No. 1 located in the city of Tocopilla.

In September 1995, EDELNOR rented the Mantos Blancos Diesel power station. As of November, EDELNOR entered into a contract with EECSA for the total production of the Cavancha power station. That same year, ENDESA commissioned a gas turbine No. 3 at the Mejillones Substation. In 1995, the Unit No. 1 of the Mejillones Thermoelectric power station owned by EDELNOR begins to operate within the frame of the SING. As from February 1996, EDELNOR signed a contract for the total production of Enaex.

That same year, the Tocopilla Division of CODELCO-Chile changes its name to ELECTROANDINA. In 1997, Unit No.2 of NORGENER synchronized to the system . Furthermore, that same year, Norgener Substation and a double circuit 220 KV transmission line that extends from that substation and the Crucero Substation were connected to the system. On January 1, 1997, gas turbine No. 3 of ENDESA was withdrawn from the system. . During 1998, EDELNOR commissioned its Unit No 2 of Mejillones power station and CELTA became a member company with the commercial operation of the Gas Turbine called TCTAR. In October, that same year, NOPEL became a member company of CDEC-SING.

In 1999 Unit No. 1 of the Tarapac coal-fueled thermoelectric power station owned by CELTA, the combined-cycles units Nos. 1 and 2 of Atacama power station owned by NOPEL began to operate on the SING. In April, 1999, GENER becomes a member company of CDEC-SING and commissions Gas Turbines Nos 11 and 12 from the Salta power station owned by GENER.

The ENDESA gas turbines located in Mejillones were withdrawn from the SING as of January 3 1999 to be relocated on the Central Interconnected System (SIC). Subsequently, on May 12, the diesel gas turbine of ENDESA and located in Patache was withdrawn from the SING to be relocated on the SIC, a situation implying that ENDESA stopped belonging to CDEC-SING. This turbine was commissioned once again on the SING but now owned by CELTA on November 29 1999. In turn, during the course of the year 1999, a great number of new lines were commissioned on the transmission system. In February 1999, the 220 kV lines Atacama - Encuentro and Encuentro - Crucero, owned at the time by NOPEL, began to operate; in April the 220 kV Andes - Oeste lines, the two circuits of the 220 kV Andes - Nueva Zald var lines and the 345 kV Salta - Andes line, al owned by GENER, began to operate; in May, the Laberinto - Mantos Blancos line, owned by GENER began to operate; and finally, in November 1999 the 110 kV Capricornio - Alto Norte and Capricornio - Antofagasta lines, both of them owned by EDELNOR, were commissioned.

During the month of April of the year 2000, the steam turbine No. 10 of the Salta power station owned by GENER became a part of CDEC-SING'S fleet. In June, the same year, the combined cycle Unit No. 3 of the Mejillones Thermoelectric power station owned by EDELNOR began to operate.

In February of the year 2001, the combined cycle Unit No. 16 of the Tocopilla Thermoelectric power station owned by ELECTROANDINA began to operate commercially

In July 2001, the National Energy Commission (CNE), through the Exempt Resolution No. 236 favorably approved the Internal Regulations of the CDEC-SING.

In August of the year 2001, the company GENER changed its corporate name to AES GENER.

At the end of the year 2001 and beginning of the year 2002, the 220 kV transmission lines Atacama — Esmeralda, Tarapac — C ndores and C ndores — Parinacota, owned by NOPEL, were commissioned; these lines were intended to provide electricity to the cities of Antofagasta, Iquique and Arica, respectively. The connection of the 220 kV lines owned by NOPEL and the installations of the distribution companies were made through the transmission installations of a company created to such an end, TRANSEMEL, which is not a member company of the CDEC-SING, but is related to the distribution companies; its corporate purpose is to commission new substations and transmission lines and modify existing ones.

In October 2002, NOPEL changes its corporate name to GASATACAMA GENERACI N.

In November 2002, the gas turbine TG2A of the combined cycle No. 2 of GASATACAMA GENERACI N began to operate.

In June 2003, the company TRANSELEC NORTE became a member company of the CDEC-SING; in accordance to the provisions in Article 168 of Supreme Decree No. 327, as a result of having acquired assets for the transmission of electricity from the company CELTA and subsequently from the company GASATACAMA GENERACI N.

In June 2004, the 220 kV Encuentro — Collahuasi line, owned by the mining company Do a In s de Collahuasi, was commissioned.

On December 10 2004, the company ELECTROANDINA advised the CDEC-SIC that as of that date it was decommissioning its Unit U09. During the year 2005, new facilities owned by mining companies were commissioned, as follows: ˚

Sulfuros Substation 220/69/13.8 kV (Minera Escondida)
220 kV Domeyko — Sulfuros Line (Minera Escondida)
Spence 220/23 kV Substation (Minera Spence)
220 kV Encuentro- Spence Line (Minera Spence)
Salar Substation 220/100/13.8 kV (Codelco Norte)
Crucero — Salar and torre 323 — Salar Lines (Codelco Norte)
Salar — Chuquicamata and Salar - torre 323 Lines (Codelco Norte)
110 kV Salar - km6 Line (Codelco Norte)
Nueva Victoria Substation (Soquimich)
Barriles Substation (Grace)
Mantos de la Luna Substation (Grace)
110 kV Barriles - Mantos de la Luna Line (Grace)

The gross installed capacity of the SING at December 2004 reached 3,595.8 MW.

CDEC-SING TASKS AND RESPONSIBILITIES

CDEC-SING REGUTORY FRAMEWORK

The regulatory framework which is described below corresponds to that in effect at December 31 2005.

According to the provisions in Decree Law 1/1982, amended by Law No. 19,940/2004, the CDEC-SING is responsible for:

a) Maintaining a reliable electricity service on the SING.
b) Guaranteeing the most economic operation for all the facilities that make up the SING.
c) Guaranteeing open access to transmission and sub transmission systems.

This coordination, as provided for in the Electrical Services General Law, must be carried out in conformity with the laws and regulations proposed by the National Energy Commission (CNE).

The coordination instructions issued by CDEC-SING are obligatory for all the facilities and installations that make up the system, including the generation power plants, transmission lines (at trunk level, sub transmission lines and additional lines), substations, (including primary distribution substations and bus bars of users not subject to price regulation directly supplied from the installations of a transmission system), interconnected among themselves, that permit the generation, transport and distribution of electric energy on the system.

In like manner, each member company of the CDEC-SING shall be responsible separately for the compliance of the obligations arising from the law and regulations. All other entities which, under the operation of the law and regulations, are subject to the coordination

of CDEC-SING shall likewise be responsible for the compliance of the instructions and programming set forth by the CDEC-SING.

Within the obligations set by the CDEC-SING, the following ought to be mentioned:

a) Plan the short-term operation of the electricity system, considering its current situation as well the expected situation in the mid- and long-term, and communicate it to the member companies in order that they operate their facilities in accordance to the resulting programs.

b) Calculate the instantaneous marginal costs of electric energy derived from the planning of the operation.

c) Coordinate preventive major maintenance of the generation units on the system.

d) Verify the compliance of the operation and maintenance programs, adopting any such corrective measures as should be needed.

e) Determine and value the transfers of electricity between the member companies of the CDEC-SING.

f) Develop the necessary procedures to comply with the service quality standards and any other norms provided for in accordance to standing law, and include them in the internal regulation.

g) Establish, coordinate and verify the power reserve of the system.

h) Coordinate load shedding, as well as any other measures needed to maintain the global service reliability on the SING.

i) Prepare the reports stipulated in the regulations.

j) Verify that all nodes in the system, from which energy is drawn, comply with the level of reliability stipulated in the law.

k) Establish the minimum technical requirements to be fulfilled by all installations interconnected to the SING, or that it be modified by the owner, considering the objectives of reliability and quality of service.

l) Define, manage and operate the complementary services in order to guarantee the operation of the system, subject to the reliability and quality of service requirements, minimizing operating costs on the SING.

CDEC-SING STRUCTURE

In accordance to the provisions in Supreme Decree No. 327,

the CDEC-SING has the following organizational structure:

- Board of Directors
  Chairman and Directors
  - Directorate of Operations
    Director, Professionals and Technicians
    - Dispatch and Control Center
      Chief and Dispatchers
  - Directorate of Weeling
    Director, Professionals and Technicians

CDEC-SING

The Board of Directors is responsible for normative aspects and the oversight of the adequate functioning of the Directorates of Operations and Wheeling. Among its most fundamental activities are those of approving the Internal Regulations of CDEC-SING.

In accordance to the law, any discrepancies that may arise within the CDEC-SING are to be submitted to the decision of a Panel of Experts, with regard to all matters that are to be determined in accordance to the regulations. This panel is made up by seven professionals, five engineers or licentiates in economic sciences and two lawyers, with a broad professional or academic background, the appointment of which is effected through a resolution of the Ministry of Economy, Development and Reconstruction. The Directorate of Operations and Wheeling are defined as eminently technical and executive bodies, responsible for enforcing the compliance of their activities in accordance to the general criteria set forth by the Board of Directors.

The Directorate of Operations is responsible, among other functions, for:

a) Establishing, coordinating and verifying the power reserve of the system and coordinating the load shedding of bus bars, as well as adopting any other measures as should be necessary on the part of the generation and transmission companies of the system to preserve the system s global service reliability.

b) Carrying out the short, mid and long-term planning of the operation and coordinating the maintenance of the generation units and the transmission lines of the SING, and notify the Dispatch and Control Center on a timely basis.

c) Controlling the compliance of the programs established in the operation plan and taking action on deviations and their causes and agreeing on the remedial measures aimed at correcting any undesired deviations.

d) Calculating firm power of generation power plants and verify the corresponding balances for each one of the generation companies.

e) Calculating marginal instantaneous costs of electric energy in all the bars of the SING S Nodes.

f) Determining, on a monthly basis, the revenues originated at each section of the transmission system, by valuing electricity transfers according to stipulated procedures

The Directorate of Wheeling is responsible for, among other functions, the following:

a) Advising the Board of Directors as to the decisions and procedures aimed at guaranteeing open access to the trunk transmission and subtransmission systems, to all companies that operate interconnected to the SING.

b) Making the capacity and use forecasts in accordance to what is stipulated in the regulation.

c) Determining the settlement of transmission costs, which must be paid by the corresponding companies.

d) Calling international bidding processes for projects involving additions to trunk transmission systems, reviewing proposals submitted, awarding the bid, and duly notifying it to the corresponding agencies, completing an annual analysis regarding the consistency of the installations under development and expansion.

The CDEC-SING Dispatch and Control Center is located in Antofagasta and is responsible for coordinating in real time the operation of the system as a whole as well as of each generation unit and transmission line.

CDEC-SING MEMBER COMPANIES

Pursuant to Supreme Decree No. 6/1985, effective at the moment at which the CDEC-SING was formed, and which has been repealed; any electricity company was entitled to belong to CDEC-SING providing its installed generation capacity exceeded 2% of total installed power of the system at the date at which the CDEC-SING was chartered. The latter also applied for self-generators whose installed generation capacity under normal conditions was higher than the sum of its maximum annual demand or equivalent to 2% of the installed capacity on the System at the date at which the CDEC-SING was chartered.

The date at which the CDEC-SING was chartered the system had an installed capacity of 741.5 MW; consequently the minimum installed capacity entitling a company to belong to the CDEC-SING equaled 14.90 MW.

The Supreme Decree also entitles companies — in addition to the generation companies — whose main corporate commercial purpose is that of exploiting electricity transmission systems, with a level of tension equal to or higher than 23 kV, with at least one section of line having a length that exceeds 100 kilometers. It also extended the possibility to electricity companies whose installed generation is higher than 9 MW.

SING ECONOMIC OPERATION

The economic operation of the SING prioritizes the dispatch of the generation unit with the lowest variable output cost. By variable output cost of a generation unit is understood the product of its specific consumption times the price of the fuel, plus a variable non-fuel cost, ascribable mainly to spare parts, chemical additives and lubricants.

In order to be able to adequately compare the generation costs of each generation unit, a table of variables costs is prepared, containing the variable output cost of each generation unit relative to the load center of the system or basic node, through the use of factors that consider the marginal losses of the transmission network (penalty factors). The load center corresponds at present to the 220 kV CRUCERO Node.

Planning the operation and calculation of marginal costs is done on a weakly basis, resorting to a generation program that takes into account: hourly expected demand, maintenances of generation units and transmission system, availability of fuel as well as the technical limitations of the generation units, among which are to be mentioned the maximum and minimum power limits, time needed for start-up and minimum time in service.

The Dispatch and Control Center of the CDEC-SING coordinates in real time with the corresponding Control Centers of member companies the implementation of the daily program, making all time adjustments of operation in real time as needed to absorb the variations or departures with respect to what was programmed.

SING GENERATION UNITS

Owner	Name of Power Plant	Unit	No. of Components	Total Gross Power [MW]
Celta	Tarapacá Thermoelectric Plant	TGTAR (1)	1	23.75
		CTTAR	1	158.00
Edelnor	Chapiquiña P. Plant	CHAP	2	10.20
	Arica Disel Plant	M1AR	3	3.00
		M2AR	2	2.93
		GMAR	4	8.40
	Iquique Diesel Plant	SUIQ	3	4.20
		MIIQ	2	2.92
		MAIQ	1	5.94
		TGIQ	1	23.75
		MSIQ	1	6.20
	Antofagasta Diesel Plant	MAAN	2	11.87
		GMAN	8	16.80
	Mejillones Thermoelectric Plant	CTM1	1	165.90
		CTM2	1	175.00
		CTM3	2	250.75
	Mantos Blancos Diesel Plant (2)	MIMB	10	28.64
	Cavancha Plant (3)	CAVA	1	2.60
Electroandina	Tocopilla Thermolectric Plant	U10	1	37.50
		U11	1	37.50
		U12	1	85.30
		U13	1	85.50
		U14	1	128.30
		U15	1	130.30
		U16	2	400.00
		TG1	1	24.70
		TG2	1	24.93
		TG3 (4)	1	37.50
AES Gener	Salta Plant	CC SALTA	3	642.80
Gasatacama Generación	Atacama Plant	CC1	3	395.90
		CC2	3	384.70
	Enaex Diesel Plant (5)	DEUTZ	3	1.96
		CUMMINS	1	0.72
Norgener	Norgener Thermoelectric Plant	NTO1	1	136.30
		NTO2	1	141.04
TOTAL SYSTEM OF 31 DECEMBER 2005				3,595.80

Notes: The following abbreviations will be used on tables and charts for the names of the companies.

Celta: Celta S.A.
Edelnor: Edelnor S.A.
Electroandina: Electroandina S.A.
AES Gener: AES Gener S.A.
Gasatacama: Gasatacama Generación S.A.
Norgener: Norgener S.A.
Transelec Norte: HQI Transelec Norte S.A.

Injection Bars	Type of Unit	Year Commissioned
C. Tarapacá 220 kV	Diesel Turbogas	1998
C. Tarapacá 220 kV	Steam - Coal	1999
Arica 66 kV	Run-of-the-river hydro plant	1967
Arica 66 kV	Diesel Motor	1953
Arica 66 kV	Diesel Motor	1961-63
Arica 66 kV	Diesel Motor	1973
Iquique 66 kV	Diesel Motor	1957
Iquique 66 kV	Diesel Motor	1963-64
Iquique 66 kV	Motor FO 6	1972
Iquique 66 kV	Diesel Turbogas	1978
Iquique 66 kV	Motor FO 6	1985
Antofagasta 13,8 kV	Motor FO 6	1970
Antofagasta 13,8 kV	Motor Diesel	1971-74-76
Chacaya 220 kV	Steam - Coal	1995
Chacaya 220 kV	Steam - Coal	1998
Chacaya 220 kV	Natural Gas Combined Cycle	2000
Mantos Blancos 23 kV	Motor FO 6	1995
Iquique 66 kV	Run-of-the-river hydro plant	1995
C. Tocopilla 110 kV	FO 6 - Steam	1970
C. Tocopilla 110 kV	FO 6 - Steam	1970
C. Tocopilla 110 kV	Steam - Coal	1983
C. Tocopilla 110 kV	Steam - Coal	1985
C. Tocopilla 220 kV	Steam - Coal	1987
C. Tocopilla 220 kV	Steam - Coal	1990
C. Tocopilla 220 kV	Natural Gas Combined Cycle	2001
C. Tocopilla 110 kV	Diesel Turbogas	1975
C. Tocopilla 110 kV	Diesel Turbogas	1975
C. Tocopilla 220 kV	Natural Gas -Diesel-Combined	1993
Central Salta 345 kV	Natural Gas Combined Cycle	2000
Central Atacama 220 kV	Natural Gas Combined Cycle	1999
Central Atacama 220 kV	Natural Gas Combined Cycle	1999
Enaex 110 kV	Diesel Motor	1996
Enaex 110 kV	Diesel Motor	1996
Norgener 220 kV	Steam - Coal	1995
Norgener 220 kV	Steam - Coal	1997

(1) The plant belonged to Endesa during the January-November 1999 period. It was transfered to the SICas of May 12, 1999, and it was subsequently recommissined on November 29, 1999, non owned by Celt

(2) TheMantos Blancos Disel power plant its represented on CDEC-SING by Edelnor.

(3) The Cavancha power plant is represented on CDEC-SING by Edelnor.

(4) The Gas Turbine is available to operate with natural gas as from September 2000.

(5) The Enaex Diesel power plant is represented on CDEC-SING by Gasatacama.

SING TRANSMISSION LINES

Transmission lines owned by CDEC-SING Member Companies

Owner	Transmission Lines	Voltage (kV)	No. Circuits	Aprox. Lengh (km)	Capacity (MVA)	Year commissioned
Edelnor	Crucero - Lagunas 1	220	1	174.0	328	1987
	Chacaya - Crucero	220	1	152.7	328	1987
	Chacaya - Mantos Blancos	220	1	66.0	377	1995
	Chacaya - Mejillones	220	1	1.3	377	1987
	Lagunas - Pozo Almonte	220	1	70.0	328	1987
	Arica - Pozo Almonte	110	1	216.0	35	1987
	Capricornio - Alto Norte	110	1	41.0	137	2000
	Capricornio - Antofagasta	110	1	28.0	137	2000
	Chacaya - Mejillones	110	1	1.4	122	1995
	Salar-Calama	110	1	10.0	69	1982
	Mejillones - Antofagasta	110	1	63.3	80	1987
	Central Chapiquiña - Arica	66	1	84.0	48	1967
	Central Diesel Arica - Arica	66	1	6.8	41	1964
	Central Diesel Iquique - Iquique	66	1	1.6	48	1970
	Iquique - Pozo Almonte 1	66	1	42.4	41	1964
	Iquique - Pozo Almonte 2	66	1	41.0	56	1987
	Pozo Almonte-Tamarugal	66	1	20.8	10	1968
Electroandina	Central Tocopilla - Crucero	220	2	71,4x2	330x2	1986
	Crucero - Chuquicamata (ver nota)	220	1	68.0	330	1986
	Crucero - Salar (ver nota)	220	1	75.4	330	2005
	Salar - Chuquicamata (ver nota)	220	1	19.3	330	2005
	Crucero - El Abra	220	1	101.0	330	1995
	Crucero - Radomiro Tomic	220	1	82.0	450	1996
	Central Tocopilla - A. Circuito Nº 1	110	1	141.0	90	1910
	Central Tocopilla - A. Circuito Nº 2	110	1	141.0	90	1910
	Central Tocopilla - A. Circuito Nº 3	110	1	141.0	90	1915
	Central Tocopilla - Salar	110	1	152.0	90	1982
AES Gener	Central Salta - Andes	345	1	408.0	777	1999
	Andes - Oeste	220	1	38.0	290	1999
	Andes - Nueva Zaldívar	220	2	63,3x2	370x2	1999
	Laberinto - Mantos Blancos	220	1	70.0	290	1999
Norgener	Norgener - Crucero	220	2	72x2	948	1997
	Laberinto - Oeste	220	1	85.0	290	1998
	Laberinto - Lomas Bayas	220	1	10.0	209	1997
	Oeste - Minsal	110	1	33.0	50	1997
Transelec Norte	Atacama - Encuentro	220	2	153x2	416x2	1999
	Atacama - Esmeralda	220	1	70.0	189	2001
	Crucero - Encuentro 1	220	1	0.8	404	1999
	Crucero - Encuentro 2	220	1	0.8	404	2000
	Crucero - Lagunas 2	220	1	173.2	183	1998
	Tarapacá - Lagunas	220	2	56x2	200x2	1998
	Tarapacá - Cóndores	220	1	70.0	189	2002
	Cóndores - Parinacota	220	1	225.0	189	2002
Total Lines in 66 kV				196.6	244	
Total Lines in 110 kV				967.7	990	
Total Lines in 220 kV				2,383.8	9,725	
Total Lines in 345 kV				408.0	777	
Total CDEC-SING Companies				3,956.1	11,736	

Note:

- Circuits 6B and 7B of former 220 kV Crucero - Chuquicamata line:

  Circuit 6B: 220 kV Crucero - Salar line and 220 Kv Salar - Chuquicamata line. Sections Crucero - Torre 323 and Salar - Torre 323 owned by Electroandina.

  Circuit 7B: 220 kV Crucero - Chuquicamata line.

Transmission lines owned by third parties

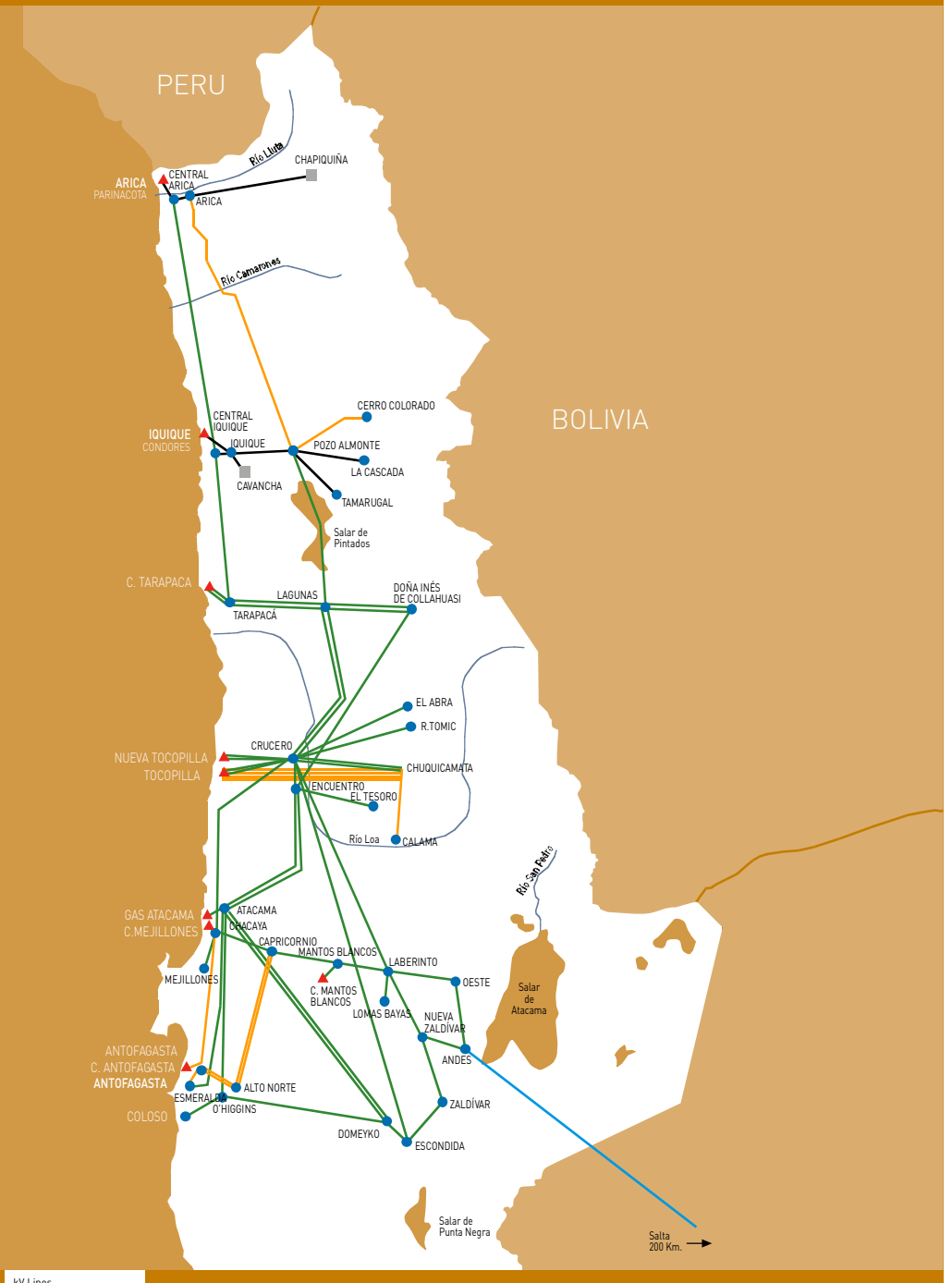
Owner	Transmission Lines	Voltage (kV)	No. Circuit	Aprox. Legth (km)	Capacity (MVA)	Year commissioned
Minera Zaldívar	Crucero - Laberinto	220	1	133.0	330	1994
	Laberinto - Nueva Zaldívar	220	1	75.0	330	1994
	Nueva Zaldívar - Zaldívar	220	1	0.2	360	1994
Minera Escondida	Atacama - Domeyko	220	2	205x2	203x2	1999
	Atacama - O'Higgins	220	1	73.0	163	2003
	Crucero - Escondida	220	1	236.0	270	1995
	Domeyko - Escondida	220	1	7.0	180	1999
	Domeyko - Planta óxidos	220	1	1.0	100	1998
	Domeyko - Sulfuros	220	1	1.0	293	2005
	O'Higgins - Coloso	220	1	32.0	163	1993
	O'Higgins - Domeyko	220	1	128.0	180	1999
	Zaldívar - Escondida	220	1	14.0	300	1995
Minera Collahuasi	Lagunas - Collahuasi 1	220	1	118.0	180	1996
	Lagunas - Collahuasi 2	220	1	118.0	180	1998
	Encuentro - Collahuasi	220	1	201.0	109	2004
Minera Quebrada Blanca	Collahuasi - Quebrada Blanca	220	1	18.0	180	2002
Minera El Tesoro	Encuentro - El Tesoro	220	1	90.0	125	2000
Minera Spence	Encuentro - Spence	220	1	67.0	318	2005
Planta Molycop	Chacaya - Molycop	220	1	0.8	291	2004
Fundición Alto Norte	Antofagasta - Alto Norte	110	1	24.0	122	1993
Minera Michilla	Mejillones - El Lince	110	1	72.0	30	1991
Minera Cerro Colorado	Pozo Almonte - Cerro Colorado	110	1	61.0	164	1993
Grace	Barriles - Mantos de la Luna	110	1	27.0	70	2005
Minera Meridian	Palestina - El Peñón	66	1	63.0	60	1999
Minera Haldeman	Pozo Almonte - Sagasca	66	1	55.0	5	1971
Transemel	Esmeralda - La Portada	110	1	16.9	73	2001
	Esmeralda - Centro	110	1	0.6	73	2001
	Esmeralda - Uribe	110	1	16.2	73	2001
	Esmeralda - Sur	110	1	5.8	73	2002
	Cóndores - Alto Hospicio	110	1	2.7	80	2002
	Alto Hospicio - Dragón	110	1	2.2	80	2002
	Cóndores - Palafitos	110	1	8.6	73	2002
	Cóndores - Pacífico	110	1	10.4	73	2002
	Parinacota - Quiani	66	1	3.9	44	2002
	Parinacota - Chinchorro	66	1	3.5	44	2002
	Parinacota - Pukará	66	1	3.6	44	2002
Total Lines in 66 kV				129.0	197	
Total Lines in 110 kV				247.4	984	
Total Lines in 220 kV				1,723.0	4,458	
Total Other owner				2,099.4	5,639	
Total SING				6,055.5	17,375	

MAIN SING CLIENTS AS OF DECEMBER 2005

Client	Category	Supply Bar	Suplier
ACF Minera	Mining	Lagunas 220 kV	Celta
Cerro Colorado	Mining	Pozo Almonte 220 kV	Edelnor - Celta
Cía. Portuaria Mejillones	Industrial	Mejillones 23 kV	Edelnor
Collahuasi	Mining	Lagunas 220 kV	Celta
Cosayach	Mining	Pozo Almonte 66 kV	Edelnor
Chuquicamata	Mining	Crucero 220 kV - C.Tocopilla 110 kV	Electroandina
Desalant	Industrial	Antofagasta 110 kV	Edelnor
DSM Minera	Mining	Lagunas 220 kV	Celta
El Abra	Mining	Crucero 220 kV	Electroandina
El Peñón	Mining	C. Atacama 220 kV	Gasatacama
El Tesoro	Mining	Encuentro 220 kV	Gasatacama
Elecda	Distributor	Esmeralda 110 kV	Gasatacama
Eliqsa	Distributor	Cóndores 110 kV	Gasatacama
Emelari	Distributor	Parinacota 66 kV	Gasatacama
Enaex	Industrial	Mejillones 110 kV	Gasatacama
Escondida	Mining	Crucero 220 kV - C. Atacama 220 kV - Nueva Zaldívar 220 kV	Norgener - Gasatacama
Aguas del Altiplano	Industrial	Pozo Almonte 66 kV - Tamarugal 66 kV - Arica 66 kV	Edelnor - Gasatacama
Grace	Mining	Barriles 220 kV	AES Gener
Inacesa	Industrial	Antofagasta 110 kV	Edelnor
Haldeman	Mining	Pozo Almonte 66 kV	Edelnor
Lipesed	Mining	Tocopilla 5 kV	Electroandina
Lomas Bayas	Mining	Laberinto 220 kV	AES Gener
Mantos Blancos	Mining	Mantos Blancos 220 kV	Edelnor
Michilla	Mining	Mejillones 110 kV	Edelnor
Molycop	Industrial	Chacaya 220 kV	Edelnor
Falconbridge	Industrial	Antofagasta 110 kV	Edelnor
Polpaico	Industrial	Mejillones 23 kV	Edelnor
Quebrada Blanca	Mining	Collahuasi 220 kV	Gasatacama
Quiborax	Mining	Arica 66 kV	Edelnor
Radomiro Tomic	Mining	Crucero 220 kV	Electroandina
Rayrock	Mining	Antofagasta 110 kV	Edelnor
Santa Margarita	Mining	Calama 100 kV	Electroandina
Sermob	Industrial	Antofagasta 23 kV	Edelnor
Sierra Miranda	Mining	Capricornio 23 kV	Edelnor
Sociedad Chilena del Litio	Industrial	Capricornio 23 kV	Edelnor
Spence	Mining	Encuentro 220 kV	Edelnor
SQM El Loa	Mining	Crucero 220 kV	Electroandina
SQM Nitratos	Mining	Crucero 220 kV	Norgener
SQM Nva.Victoria	Mining	Lagunas 220 kV	Electroandina
SQM Salar	Mining	Laberinto 220 kV	Norgener
SQM Salar	Mining	El Negro 110 kV	Electroandina
Zaldívar	Mining	Laberinto 220 kV	AES Gener

CDEC-SING

SIMPLIFIED DIAGRAM CDEC-SING 2005



Source: HQI Transelec Chile S.A.

RELEVANT EVENTS OF SING'S OPERATION DURING THE YEAR 2005

GENERATION AND TRANSMISSION PROJECTS

During the year 2005, new facilities for electricity transmission –owned by the mining companies that are mentioned– were commissioned:

Company: Minera Escondida
Project: Sulfur Leaching
Installations commissioned:

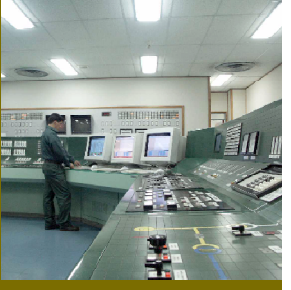
- Sulfuros Substation 220/69/13.8 kV
- 220 kV Domeyko – Sulfuros Line
- New section of line at Domeyko substation that connects 220 kV Domeyko – Sulfuros Line

Company: Minera Spence
Project: Connection to SING
Installations commissioned:

- Spence Substation 220/23 kV
- 220 kV line Encuentro – Spence
- New section of line at Encuentro substation that connects 220 kV Encuentro – Spence Line

Company: Codelco Norte
Project: New Salar Substation
Instllations commissioned:

- Salar Substation 220/110/13.8 kV
- 220 kV Crucero – Salar Line , section Torre 323 – Salar
- 220 kV Salar - Chuquicamata Line , section. Salar - Torre 323
- 110 kV Salar – km6 Line



CDEC-SING

Company: Soquimich
Project: New Nueva Victoria Substation
Installation commissioned:

- Nueva Victoria Substation 220/66/23 kV

Company: Minera Mantos de la Luna
Project: Connection to SING
Instllations commissioned:

- Barriles Substation 220/110/13.8 kV
- Mantos de la Luna Substation 110/23 kV
- 110 kV Barriles – Mantos de la Luna Line

As a result of the new Salar Substation, owned by Codelco Norte, the 6B circuit of the 220 kV Crucero – Chuquicamata Line became 220 kV Crucero – Salar Line and 220 kV Salar – Chuquicamata Line, whereas 110 kV Central Tocopilla – km6 Line became 110 kV Central Tocopilla – Salar Line as the end of km6 moved to Salar 110 kV. In like manner, the 110 kV km6 – Calama Line became 110 kV Salar – Calama Line as the end of km6 moved to Salar 110 kV.

In what regards generation projects, none were implemented during the year 2005.

OPERATIONS

Gross annual generation on the SING was 12,657 GWh which is broken down by type of fuel as:

63.4 % natural gas
35.9 % coal.
0.2 % fuel oil and diesel oil
0.5 % hydroelectric generation.

The increase in electricity consumptions relative to the year 2004 is reflected by a 2.7% increase in gross energy generation and in a 2.8% increase in total energy sales. By type of customer, 90% corresponds to free customers (industrial and mining consumption) and 10.0% to regulated customers (distribution companies).

The maximum demand of the system was in place on November 27 2005 at 11.00 p.m. and was reflected by a gross generation value of 1,635 MW, which represents 0.6% decrease relative to 2004.

From the standpoint of the continuity of supply, on September 11 2005, there occurred a complete failure in the provision of electric energy in accordance to the definition of the Technical Norm on Reliability and Quality of Service, which is now a matter of an inquest conducted by the Superintendence of Electricity and Fuels (SEC).

During the year 2005, the SING continued with the application of the "Reliability Plan", which with different updates has been in use since the end of the year 1999. This Plan, in general, has enabled the organization to attenuate the impact of any contingencies that may affect generation units, elements of the transmission system and internal failures of installations owned by clients, through the implementation of operational actions and policies conducive to a safe and economic supply of electricity. The actions contemplated are among others:

· Limitation of maximum injection of power by each generation unit.
· Load shedding resorting to under-frequency relays.
· Amounts in reserve by the units in operation.

MISCELLANEOUS

On March 21 2005, Exempt Ministerial Resolution No. 09/2005 of the Ministry of Economy, Development and Reconstruction is published in the Official Gazette. This Resolution contains Technical Norms establishing reliability and quality requirements for the Interconnected System of the Norte Grande Region and the Interconnected Central System.

On May 19 2005 Law No. 20,018 is published in the Official Gazette. This Law introduces amendments to Decree Law No. 1/82.

On May 28 2005 Exempt Ministerial Resolution of the Ministry of Economy, Development and Reconstructions is published in the Official Gazette; this ministerial resolution modifies the Technical Reliability and Quality Norm in the provision of electric energy.

During the year 2005 the CDEC-SING submitted its proposal for complementary services to the National Energy Commission (CNE), in accordance to what is prescribed in Law No. 19,940, which dealt with frequency regulation services, on the one hand, and a service recovery plan, on the other hand.

During the course of the year 2005, five discrepancies were submitted to the consideration of the Panel of Experts:

- Proposal for Adaptation of Procedures Manual No. 23 "Computation of Firm Power and Determination of Balance between Generation Member Companies", submitted by CDEC-SING Document C0013/2002, with the purpose of complying with Decision 4 of Ministerial Resolution No. 106/2003;

- Objections to the calculations of the Operations Directorate regarding the date as of which modifications to the procedure provided by the Ministerial Resolution No. 106/2003 can be applied;

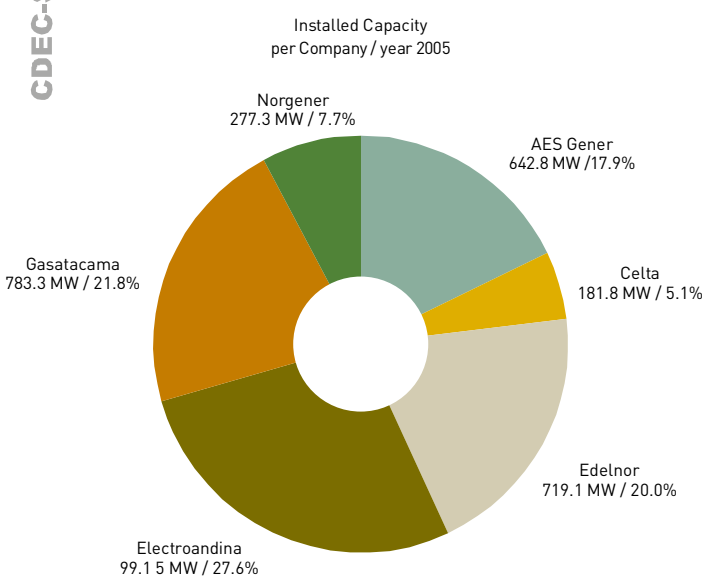
- Objections to the calculations of the Operations Directorate regarding the correct application of Ministerial Resolutions No. 163 of the year 2001 and No. 106 of the year 2003;

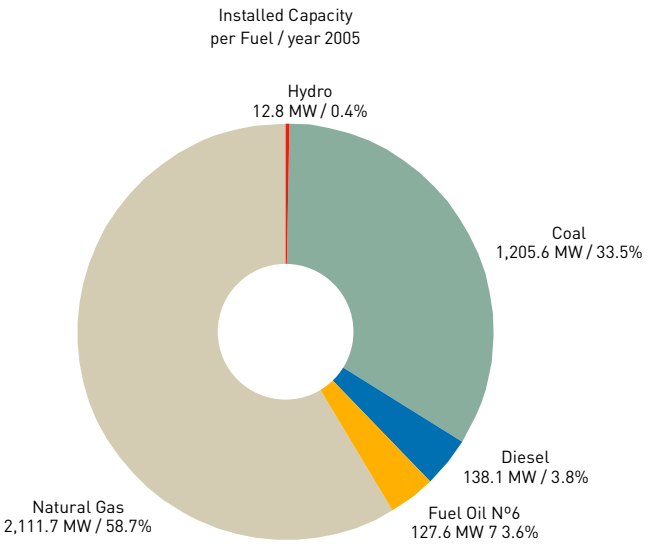
- Adoption of the agreement proposed by GASATACAMA regarding the application of Resolution No. 1.

- Application by the Operations Directorate of the decision of Panel of Experts for purposes of Calculating Firm Power as specified in Resolution No. 2/2005.

Furthermore, the CDEC-SING received Exempt Ministerial Resolutions No. 05/2005, No. 09/2005 and No. 40/2005 from the Minister of Economy, Development and Reconstruction.

INSTALLED CAPACITY (MW) YEAR 2005





IN PHYSICAL UNITS (MW)

Company \ Year	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
Celta			24	158	182	182	182	182	182	182
Edelnor	297	297	472	472	722	722	719	719	719	719
Electroandina	629	629	629	629	629	1.029	1.029	1.037	992	992
Endesa	98	74	74	98						
AES Gener				416	643	643	643	643	643	643
Norgener		277	277	277	277	277	277	277	277	277
Gasatacama				588	588	588	783	783	783	783
TOTAL	**1,160**	**1,277**	**1,476**	**2,637**	**3,041**	**3,441**	**3,633**	**3,641**	**3,596**	**3,596**

IN PERCENTAGES (%)

Company \ Year	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
Celta			1.6%	6.0%	6.0%	5.3%	5.0%	5.0%	5.1%	5.1%
Edelnor	25.6%	23.2%	32.0%	17.9%	23.8%	21.0%	19.8%	19.8%	20.0%	20.0%
Electroandina	54.2%	49.3%	42.6%	23.8%	20.7%	29.9%	28.3%	28.5%	27.6%	27.6%
Endesa	8.4%	5.8%	5.0%	3.7%						
AES Gener				15.8%	21.1%	18.7%	17.7%	17.7%	17.9%	17.9%
Norgener	11.8%	21.7%	18.8%	10.5%	9.1%	8.1%	7.6%	7.6%	7.7%	7.7%
Gasatacama				22.3%	19.3%	17.1%	21.6%	21.5%	21.8%	21.8%
TOTAL	**100%**	**100%**	**100%**	**100%**	**100%**	**100%**	**100%**	**100%**	**100%**	**100%**

INSTALLED CAPACITY PER TYPE OF FUEL (MW)
PERIOD 1996-2005

IN PHYSICAL UNITS (MW)

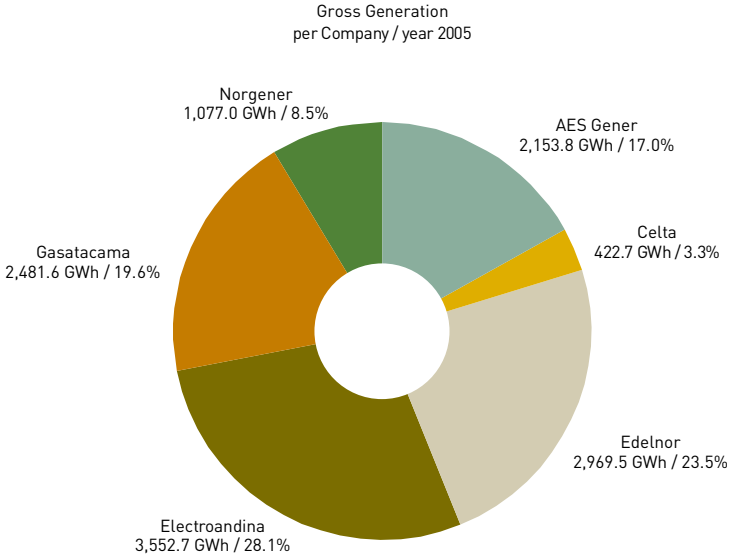
Fuel	Company	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
Hydro	Edelnor	13	13	13	13	13	13	13	13	13	13
Subtotal		13	13	13	13	13	13	13	13	13	13
Coal	Celta				158	158	158	158	158	158	158
	Edelnor	166	166	341	341	341	341	341	341	341	341
	Electroandina	429	429	429	429	429	429	429	429	429	429
	Norgener	136	277	277	277	277	277	277	277	277	277
Subtotal		**732**	**873**	**1,048**	**1,206**	**1,206**	**1,206**	**1,206**	**1,206**	**1,206**	**1,206**
Diesel	Celta			24		24	24	24	24	24	24
	Edelnor	65	65	65	65	65	62	62	62	62	62
	Electroandina	80	80	80	80	42	42	42	50	50	50
	Endesa	74	74	98	98	74	74	98			
	Gasatacama						3	3	3	3	3
Subtotal		242	218	242	242	130	130	130	138	138	138
Fuel Oil	Edelnor	53	53	53	53	53	53	53	53	53	53
	Electroandina	120	120	120	120	120	120	120	120	75	75
Subtotal		173	173	173	173	173	173	173	173	128	128
Natural Gas	Edelnor					251	251	251	251	251	251
	AES Gener				416	643	643	643	643	643	643
	Gasatacama				588	588	588	781	781	781	781
	Electroandina					38	438	438	438	438	438
Subtotal		0	0	0	1,004	1,519	1,919	2,112	2,112	2,112	2,112
TOTAL		1,159	1,276	1,475	2,637	3,040	3,440	3,633	3,641	3,596	3,596

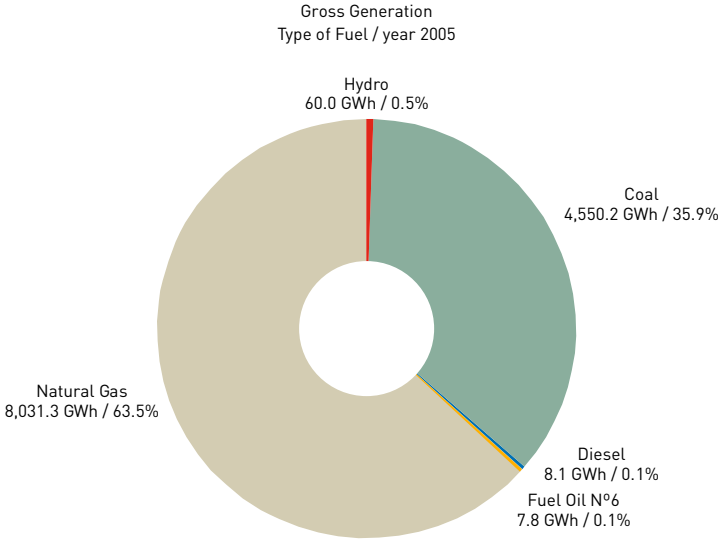
IN PERCENTAGES (%)

Fuel	Company	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
Hydro	Edelnor	1.1%	1.0%	0.9%	0.5%	0.4%	0.4%	0.4%	0.4%	0.4%	0.4%
Subtotal		**1.1%**	**1.0%**	**0.9%**	**0.5%**	**0.4%**	**0.4%**	**0.4%**	**0.4%**	**0.4%**	**0.4%**
Coal	Celta				6.0%	5.2%	4.6%	4.3%	4.3%	4.4%	4.4%
	Edelnor	14.3%	13.0%	23.1%	12.9%	11.2%	9.9%	9.4%	9.4%	9.5%	9.5%
	Electroandina	37.1%	33.6%	29.1%	16.3%	14.1%	12.5%	11.8%	11.8%	11.9%	11.9%
	Norgener	11.8%	21.7%	18.8%	10.5%	9.1%	8.1%	7.6%	7.6%	7.7%	7.7%
Subtotal		**63.1%**	**68.4%**	**71.0%**	**45.7%**	**39.7%**	**35.0%**	**33.2%**	**33.1%**	**33.5%**	**33.5%**
Diesel	Celta			1.6%		0.8%	0.7%	0.7%	0.7%	0.7%	0.7%
	Edelnor	5.6%	5.1%	4.4%	2.5%	2.1%	1.8%	1.7%	1.7%	1.7%	1.7%
	Electroandina	6.9%	6.2%	5.4%	3.0%	1.4%	1.2%	1.2%	1.4%	1.4%	1.4%
	Endesa	8.4%	5.8%	5.0%	3.7%						
	Gasatacama						0.1%	0.1%	0.1%	0.1%	0.1%
Subtotal		**20.9%**	**17.1%**	**16.4%**	**9.2%**	**4.3%**	**3.8%**	**3.6%**	**3.8%**	**3.8%**	**3.8%**
Fuel Oil	Edelnor	4.5%	4.1%	3.6%	2.0%	1.7%	1.5%	1.4%	1.4%	1.5%	1.5%
	Electroandina	10.4%	9.4%	8.1%	4.6%	3.9%	3.5%	3.3%	3.3%	2.1%	2.1%
Subtotal		**14.9%**	**13.5%**	**11.7%**	**6.5%**	**5.7%**	**5.0%**	**4.8%**	**4.7%**	**3.5%**	**3.6%**
Natural Gas	Edelnor					8.2%	7.3%	6.9%	6.9%	7.0%	7.0%
	AES Gener				15.8%	21.1%	18.7%	17.7%	17.7%	17.9%	17.9%
	Gasatacama				22.3%	19.3%	17.1%	21.5%	21.4%	21.7%	21.7%
	Electroandina					1.2%	12.7%	12.0%	12.0%	12.2%	12.2%
Subtotal					38.1%	50.0%	55.8%	58.1%	58.0%	58.7%	58.7%
TOTAL		**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**

Note: Electroandina TG3 unit operates on natural gas as from 2000.

GROSS GENERATION YEAR 2005





GENERATION CDEC-SING POWER PLANTS (GWh)
YEAR 2005

	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC	ANNUAL
CELTA													
CTTAR	71.0	3.0	22.3	66.1	49.1	-	15.7	34.9	25.7	50.8	24.6	58.9	422.2
TGTAR	-	-	-	-	0.1	-	0.1	-	0.1	-	-	-	0.4
Total Gross Generation	71.0	3.0	22.3	66.1	49.2	0.1	15.8	34.9	25.8	50.8	24.7	58.9	422.7
Own Consumption	7.0	0.3	2.2	6.4	4.5	-	1.4	3.1	2.3	4.7	2.3	5.0	39.3
Total Net generation	63.9	2.7	20.1	59.7	44.8	-	14.4	31.9	23.5	46.1	22.3	53.9	383.4
EDELNOR													
CHAP	5.1	4.2	3.9	2.6	3.0	3.3	3.6	3.6	3.6	3.7	3.9	4.7	45.4
CAVA	1.3	1.2	1.1	1.2	1.2	1.1	1.2	1.2	1.2	1.3	1.3	1.3	14.7
Arica Diesel Plant	-	0.2	0.2	0.2	0.3	0.1	0.4	0.2	0.4	0.1	0.1	0.1	2.2
Iquique Diesel Plant	0.1	0.4	0.3	0.2	0.5	0.2	0.8	0.3	0.5	-	0.3	0.4	3.9
Antofagasta Diesel Plant	0.1	0.1	0.2	-	0.2	0.1	0.6	0.1	0.3	-	0.1	0.4	2.3
MIMB	0.2	0.5	0.6	0.1	0.2	0.2	0.9	0.2	0.4	-	0.4	0.4	4.1
CTM1	-	57.4	54.0	65.5	44.8	1.7	76.5	-	51.9	-	-	94.8	446.6
CTM2	102.2	35.3	42.7	57.7	66.8	84.1	15.1	112.5	101.8	116.4	106.4	8.1	848.9
CTM3	130.6	125.8	140.4	122.9	109.5	119.9	155.8	156.9	99.3	161.7	152.7	125.8	1,601.3
Total Gross Generation	239.5	225.2	243.4	250.5	226.5	210.6	254.9	274.9	259.6	283.2	265.2	236.0	2,969.5
Own Consumption	12.9	11.1	12.2	13.5	13.1	12.5	12.8	13.6	16.0	13.8	13.8	13.8	159.1
Total Net Generation	226.7	214.0	231.2	236.9	213.4	198.2	242.1	261.3	243.6	269.4	251.4	222.2	2,810.4
ELECTROANDINA													
U10	-	-	-	-	-	-	-	-	-	-	-	-	-
U11	-	-	-	-	-	-	-	-	-	-	-	-	-
U12	-	-	3.4	6.2	4.1	2.5	1.8	12.3	15.7	1.4	8.4	3.1	59.0
U13	4.1	-	25.4	14.6	26.4	2.8	5.7	40.2	18.1	-	7.4	3.0	147.6
U14	73.6	53.4	71.6	-	77.5	78.4	85.2	83.4	49.2	85.0	79.2	81.7	818.2
U15	5.3	21.8	77.0	70.1	52.9	58.6	63.6	78.3	79.4	84.0	66.3	73.3	730.6
U16	175.0	161.0	180.6	170.7	179.4	176.0	33.3	0.9	155.5	185.8	160.9	174.0	1,753.1
TG1	-	0.1	-	-	0.1	-	-	-	0.1	-	0.1	-	0.5
TG2	-	0.2	-	0.1	-	-	0.1	-	0.1	-	-	-	0.6
TG3	0.2	0.1	0.4	1.3	9.0	-	5.3	12.9	10.3	0.9	1.3	1.3	43.1
Total Gross Generation	258.3	236.5	358.5	263.0	349.5	318.3	195.0	228.0	328.5	357.2	323.5	336.4	3.552.7
Own Consumption	11.9	10.9	19.3	12.1	18.2	17.0	13.5	16.6	17.3	18.6	17.8	18.1	191.4
Total Net Generation	246.4	225.6	339.2	250.9	331.3	301.3	181.5	211.4	311.2	338.5	305.6	318.3	3,361.3

GENERATION CDEC-SING POWER PLANTS (GWh)
YEAR 2005

	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC	ANNUAL
AES GENER													
Salta Power Plant	183.8	167.0	188.0	164.7	187.7	183.5	179.7	164.7	161.4	193.1	187.3	192.8	2,153.8
Total Gross Generation	183.8	167.0	188.0	164.7	187.7	183.5	179.7	164.7	161.4	193.1	187.3	192.8	2,153.8
Own Consumption	4.3	3.9	4.2	3.4	3.6	3.6	3.2	3.0	3.1	3.3	4.1	4.5	44.2
Total Net Generation	179.5	163.2	183.8	161.3	184.1	179.9	176.5	161.7	158.3	189.8	183.1	188.3	2,109.6
NORGENER													
NTO1	54.4	42.0	33.1	55.7	45.7	34.2	72.5	72.4	65.0	68.9	4.9	0.0	548.9
NTO2	17.5	61.9	70.5	81.2	66.4	4.3	10.5	41.3	70.4	22.8	42.2	39.0	528.1
Total Gross Generation	71.9	104.0	103.6	136.9	112.1	38.5	83.0	113.7	135.4	91.7	47.1	39.0	1,077.0
Own Consumption	6.4	9.5	86	11.1	9.4	3.9	6.4	8.9	11.0	7.7	4.7	3.7	91.3
Total Net Generation	65.5	94.4	95.0	125.8	102.7	34.6	76.6	104.8	124.4	84.0	42.5	35.3	985.7
GASATACAMA													
CC1	120.2	108.2	95.5	49.5	65.9	115.6	118.8	124.8	113.1	118.3	56.9	57.3	1,144.1
CC2	117.1	109.9	84.4	74.0	86.9	143.2	199.3	142.9	8.8	1.4	169.3	200.3	1,337.5
ENAEX	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Gross Generation	237.3	218.1	179.9	123.5	152.8	258.8	318.1	267.6	122.0	119.7	226.2	257.7	2,481.6
Own Consumption	6.2	5.7	5.2	4.2	4.9	6.7	7.1	6.9	5.1	3.8	6.1	7.3	68.9
Total Net Generation	231.1	212.5	174.7	119.3	147.9	252.1	311.0	260.7	116.9	115.9	220.1	250.4	2,412.7
TOTAL SING													
Gross Generation	1,061.8	953.8	1,095.8	1,004.7	1,077.9	1,009.8	1,046.7	1,083.9	1,032.6	1,095.7	1,073.9	1,120.9	12,657.4
Own Consumption	48.6	41.4	51.7	50.7	53.6	43.6	44.5	52.1	54.8	51.9	48.9	52.4	594.3
Net Generation	1,013.2	912.3	1,044.1	954.0	1,024.2	966.2	1,002.2	1,031.8	977.8	1,043.8	1,025.0	1,068.5	12,063.1
Transmission losses	44.2	33.8	48.3	33.8	40.9	40.6	45.0	43.4	38.2	44.3	43.1	48.0	503.5
Sales non-regulated clients	874.8	796.7	897.8	823.4	883.3	832.0	858.4	888.8	843.3	899.9	884.2	918.4	10.,400.8
Sales regulated clients	94.2	81.8	98.1	96.8	100.0	93.6	98.8	99.6	96.4	99.7	97.8	102.1	1,158.8
Total Sales	969.0	878.6	995.8	920.2	983.3	925.6	957.2	988.4	939.6	999.5	982.0	1,020.5	11,559.6

GENERATION CDEC-SING POWER PLANTS (GWh)
1996-2005 PERIOD

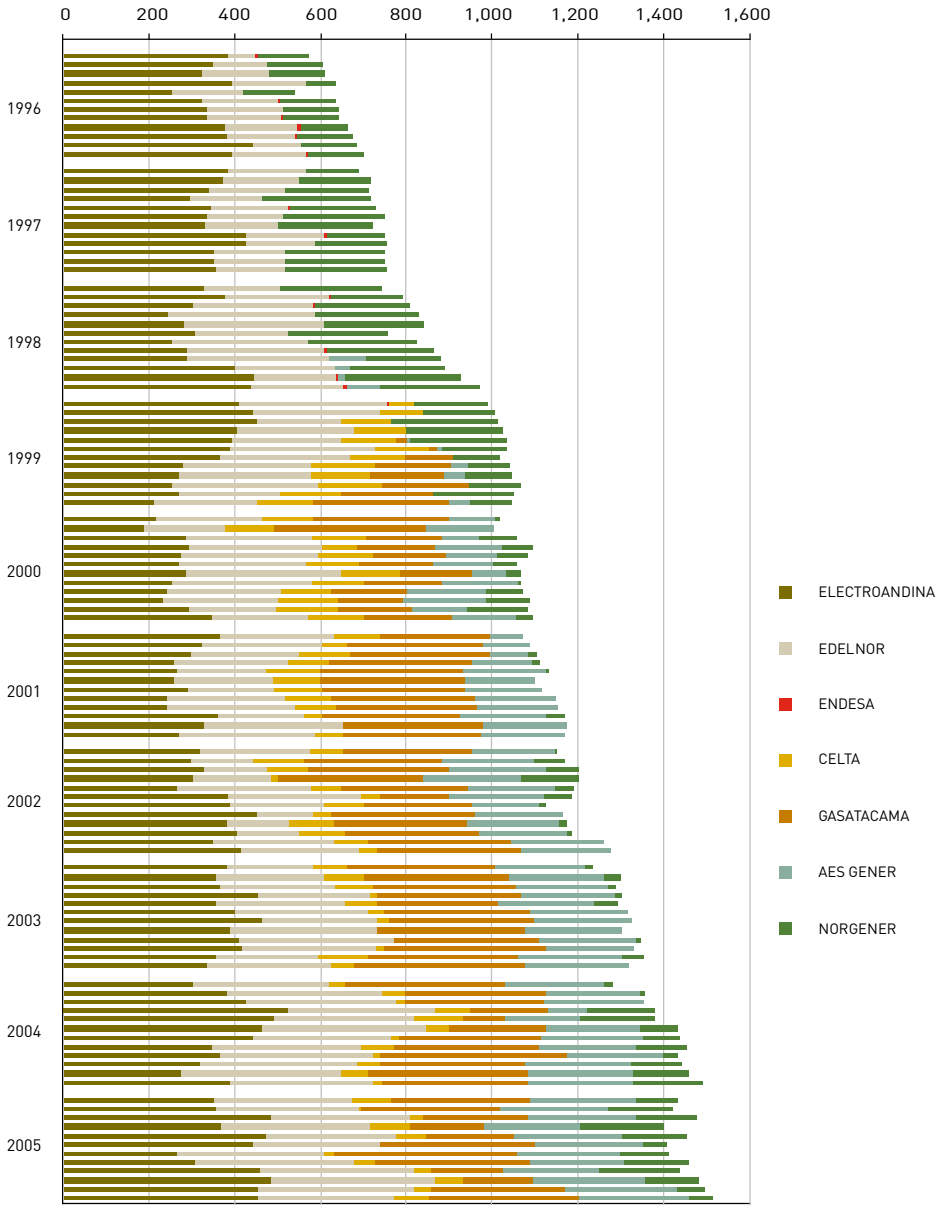
	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
CELTA										
CTTAR	-	-	145	1.083	1.061	760	639	435	435	422
TGTAR	-	-	11	0	17	3	1	1	1	0
Total Gross Generation	-	-	156	1.083	1.079	763	640	436	436	423
Own Consumption	-	-	12	82	84	67	61	40	39	39
Total Net Generation	-	-	143	1.001	994	696	579	397	398	383
EDELNOR										
CHAP	35	42	35	46	43	53	54	51	51	45
CAVA	12	14	15	14	13	12	13	14	15	15
Arica Diesel Plant	20	17	15	22	6	5	2	1	5	2
Iquique Diesel Plant	74	57	52	62	31	14	8	6	11	4
Antofagasta Diesel Plant	51	38	55	58	8	5	2	2	7	2
MIMB	69	42	43	58	9	7	6	7	16	4
ENAEX	-	-	-	-	-	-	-	-	-	-
CTM1	1,064	1,299	1,316	1,092	618	257	18	144	498.7	446.6
CTM2	-	-	810	1,139	984	774	918	575	1,003	849
CTM3	-	-	-	2	711	1.131	849	1.695	1,449	1,601
Total Gross Generation	1,325	1,510	2,341	2,493	2,424	2,257	1,870	2,495	3,054	2.970
Own Consumption	85	101	165	174	173	131	111	113	162	159
Total Net Generation	1,240	1,409	2,176	2,319	2,251	2,125	1,759	2,382	2,892	2,810
ELECTROANDINA										
U09	19	101	45	12	0	0	0	0	0	0
U10 - U11	194	58	40	148	56	29	1	0	7	0
U12 - U13	1,126	927	768	1,182	503	338	663	455	478	207
U14 - U15	1,775	2,040	1,988	1,623	1,509	664	1,266	1,304	1,409	1,549
U16	-	-	-	-	192	1,458	1,174	1,627	1,458	1,753
TG1 - TG2	1	1	2	18	22	16	7	2	2	1
TG3	16	8	19	20	32	43	4	11	91	43
Total Gross Generation	3,129	3,135	2,862	3,005	2,315	2,548	3,115	3,398	3,444	3,553
Own Consumption	225	223	204	208	178	139	199	198	194	191
Total Net Generation	2,904	2,912	2,658	2,797	2,137	2,409	2,917	3,201	3,250	3,361

(1) In 1993 Endesa started operating two 74 MW capacity Gas Turbines at Mejillones Substation; they were withdrawn fron the SING as from January 3 1999 to be relocated to the SIC. In 1995, Endesa started to operate a 23.75 MW capacity Gas Turbine at Mejillones Substation, which was subsequently withdrawn from the SING on January 1 1997. In 1998, this same unit was re-commissioned on the SING at Tarapaca Substation under the name of TGTAR, though now owned by CELTA S.A.

GENERATION CDEC-SING POWER PLANTS (GWh)
1996-2005 PERIOD

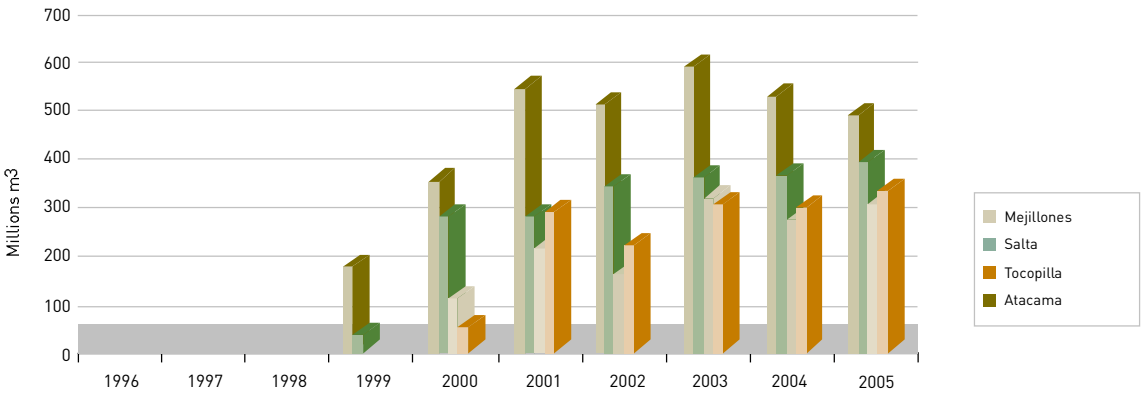
	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
ENDESA (1)										
TG Mej. 1 - 2	29	8	24	-	-	-	-	-	-	-
TG Mej. 3	1	-	-	-	-	-	-	-	-	-
TGTAR	-	-	-	6	-	-	-	-	-	-
Total Gross Generation	30	8	24	6	-	-	-	-	-	-
Own Consumption	-	-	-	-	-	-	-	-	-	-
Total Net Generation	30	8	24	6	-	-	-	-	-	-
AES GENER										
TG11	-	-	-	102	-	-	-	-	-	-
TG12	-	-	-	12	-	-	-	-	-	-
CC Salta	-	-	-	-	1,217	1,386	1,813	1,950	1,903	2,154
Total Gross Generation	-	-	-	114	1,217	1,386	1,813	1,950	1,903	2,154
Own Consumption	-	-	-	0	27	35	45	46	43	44
Total Net Generation	-	-	-	114	1,191	1,351	1,768	1,904	1,860	2,110
GASATACAMA										
CC1	-	-	-	801	970	1,462	1,431	1,434	1,168	1,144
CC2	-	-	-	116	812	1,368	1,216	1,568	1,530	1,338
ENAEX						0	0	0	0	0
Total Gross Generation	-	-	-	916	1,782	2,830	2,647	3,002	2,698	2,482
Own Consumption	-	-	-	39	70	91	77	82	82	69
Total Net Generation	-	-	-	877	1,711	2,739	2,570	2,920	2,615	2,413
NORGENER										
NTO1	1,061	856	1,016	526	264	1	63	16	216	549
NTO2	-	883	960	858	246	67	252	126	578	528
Total Gross Generation	1,061	1,740	1,975	1,384	510	68	315	142	794	1,077
Own Consumption	75	120	133	109	52	7	32	14	66	91
Total Net Generation	986	1,620	1,843	1,275	458	61	283	128	727	986
TOTAL SING										
Gross Generation	5,545	6,392	7,358	9,001	9,327	9,851	10,400	11,424	12,330	12,657
Own Consumption	385	444	514	612	585	471	524	492	587	594
Net Generation	5,159	5,948	6,844	8,389	8,743	9,381	9,876	10,932	11,743	12,063
Transmission losses	172	200	227	269	345	390	394	452	503	503
Sales non-regulated clients	4,359	5,019	5,868	7,313	7,499	8,046	8,473	9,433	10,164	10,401
Sales regulated clients	622	730	748	807	899	945	1,009	1,047	1,075	1,159
Total Sales	4,981	5,749	6,616	8,120	8,398	8,991	9,482	10,480	11,240	11,560

MONTHLY AVERAGE HOURLY GENERATION (MW)
1996-2005 PERIOD



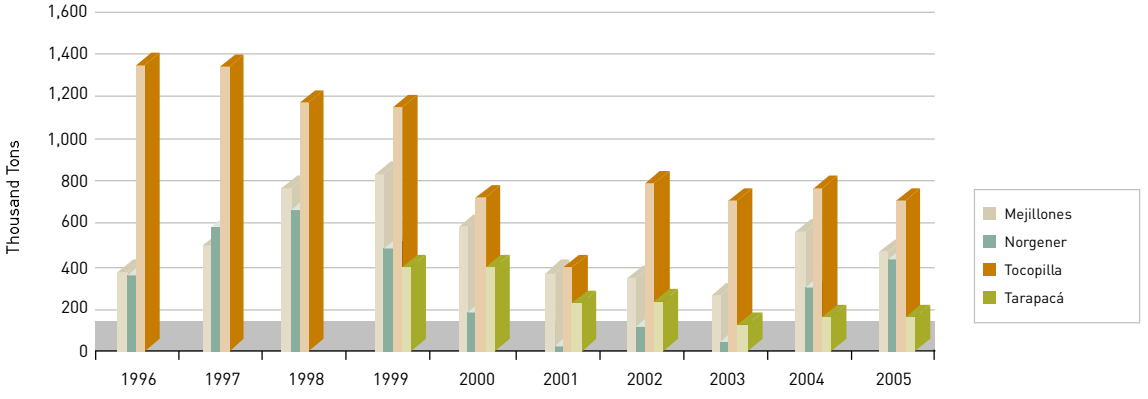
ANNUAL CONSUMPTION OF FUEL PER POWER PLANT 1996-2005 PERIOD

Annual Natural Gas Consumption per Power Plant



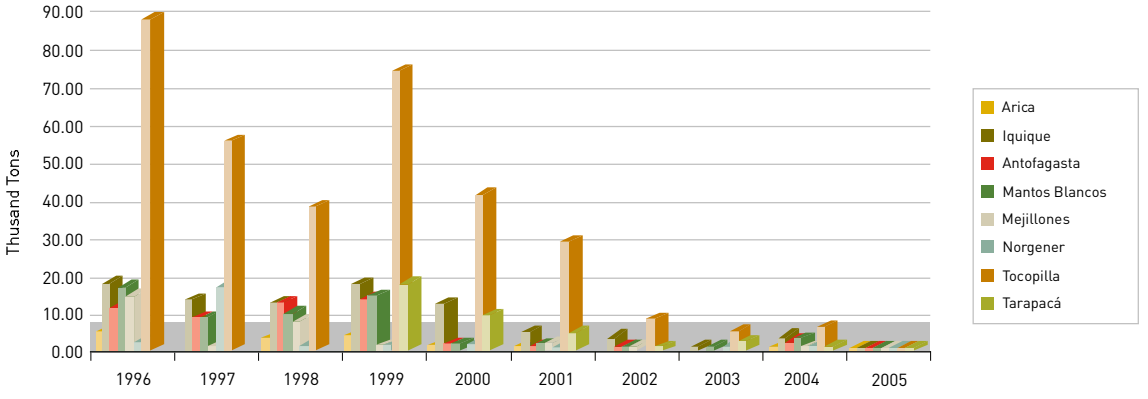
Note: The use of natural gas as a fuel began in the year 1999

Anual Coal Consumption per Power Plant



Note: As of the year 2001, the consumption of Mejillones power Plant corresponds to the mixture of coal-petcoke.
As of year 2004 the consumption of Tocopilla and Norgener Power Plant corresponds to the mixture coal-petcoke

Annual Liquid Fuel Consumption per Power Plant



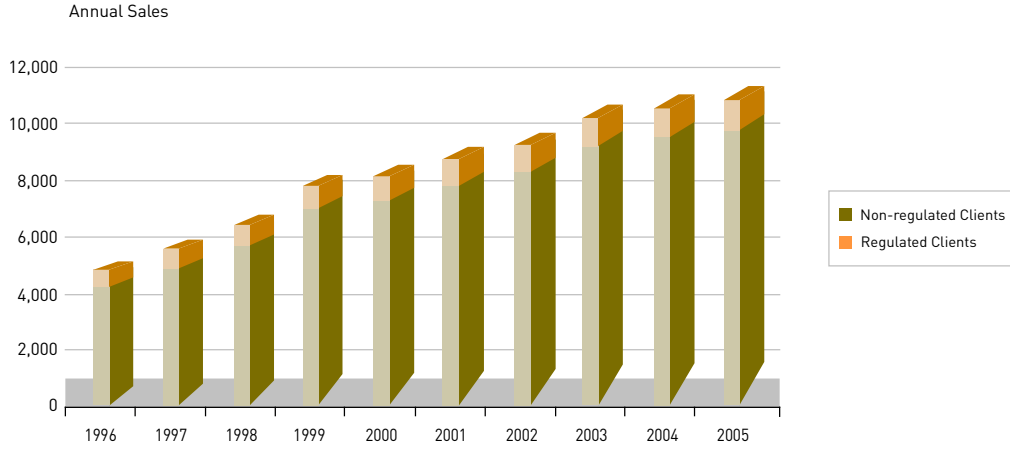
Note: The consumption of liquid fuels corresponds to Diesel Oil and Fuel Oil No.6

ANNUAL SALES SING (GWh)
1996-2005 PERIOD

	Sales	Sales			Growth	
Year	Non-Reg	Regulated	Total	Annual	Accumulated	Accumulated
	Clients	Clients	Sales		Average	
1996	4,359	622	4,981	24.9%	21.2%	46.8%
1997	5,019	730	5,749	15.4%	19.3%	69.4%
1998	5,868	748	6,616	15.1%	18.2%	94.9%
1999	7,313	807	8,120	22.7%	19.1%	139.2%
2000	7,499	899	8,398	3.4%	16.5%	147.4%
2001	8,046	945	8,991	7.1%	15.2%	164.9%
2002	8,473	1,009	9,482	5.5%	13.9%	179.3%
2003	9,433	1,047	10,480	10.5%	13.6%	208.8%
2004	10,164	1,075	11,240	7.2%	12.9%	231.1%
2005	10,401	1,159	11,560	2.8%	12.0%	240.6%

Note: Accumulated growth in percentage refers to 1994 sales (3,394.4 GWh).

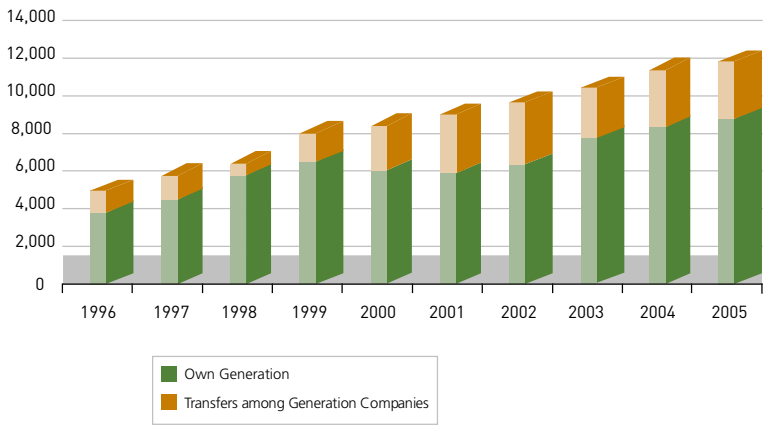
Annual sales correspond to net generation minus transmisión losses.



ANNUAL SALES COMPOSITION CDEC-SING (GWh) 1996-2005 PERIOD

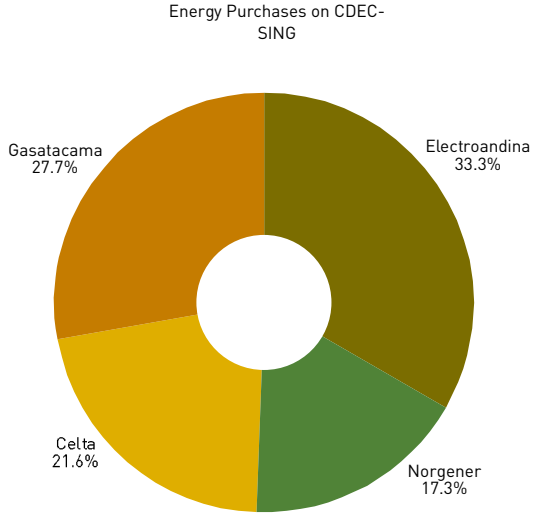
Year	Energy Sales (GWh)	Own Generation (GWh)	Transfers among Generators (GWh)	Percentage Transfers/Sales (%)
1996	4,981	3,792	1,190	24%
1997	5,749	4,380	1,369	24%
1998	6,616	5,581	1,035	16%
1999	8,120	6,415	1,705	21%
2000	8,398	6,007	2,391	28%
2001	8,991	5,808	3,183	35%
2002	9,482	6,299	3,183	34%
2003	10,480	7,777	2,703	26%
2004	11,240	8,407	2,832	25%
2005	11,560	8,654	2,905	25%

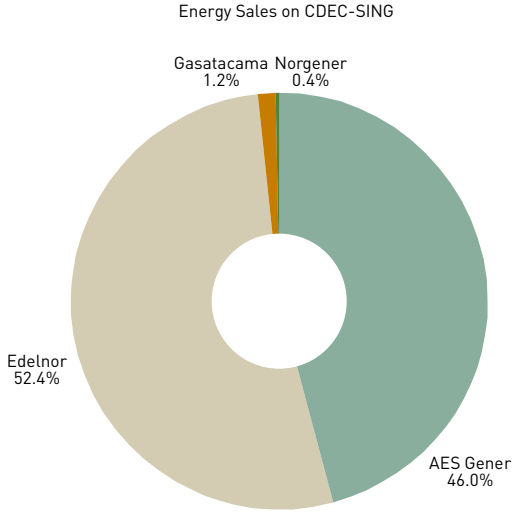
Composition Annual Sales CDEC-SING (GWh)



ENERGY TRANSFERS AMONG CDEC-SING GENERATION COMPANIES (GWh)
YEAR 2005

COMPANY		JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC	TOTAL
CELTA														
	Purchases	24.1	71.0	70.2	8.9	50.6	77.2	65.1	53.5	56.0	42.3	66.6	43.1	628.5
	Sales	-	-	-	-	-	-	-	-	-	-	-	-	-
EDELNOR														
	Purchases	-	-	-	-	-	-	-	-	-	-	-	-	-
	Sales	124.4	113.0	120.1	133.3	109.1	103.1	137.6	149.6	133.7	153.4	137.6	107.8	1,522.8
ELECTROANDINA														
	Purchases	108.6	110.8	40.9	98.1	26.4	48.9	179.6	164.0	43.0	31.7	59.4	56.7	968.1
	Sales	-	-	-	-	-	-	-	-	-	-	-	-	-
AES GENER														
	Purchases	-	-	-	-	-	-	-	-	-	-	-	-	-
	Sales	108.3	99.2	118.6	100.8	118.6	116.5	117.3	94.4	96.8	124.9	119.3	120.8	1,335.6
NORGENER														
	Purchases	64.7	11.8	31.6	-	25.2	86.2	46.3	14.5	-	47.4	82.3	93.0	503.1
	Sales	-	-	-	6.4	-	-	-	-	4.8	-	-	-	11.3
GASATACAMA														
	Purchases	35.3	18.7	95.9	133.5	125.5	7.4	-	12.0	136.4	156.9	48.5	35.8	806.1
	Sales	.	-	-	-	-	-	36.1	-	-	-	-	-	36.1





ENERGY TRANSFERS AMONG CDEC-SING GENERATION COMPANIES (GWh) 1996-2005 PERIOD

		1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
CELTA	Purchases	-	-	0.4	-	21.2	263.6	390.8	601.4	663.2	628.5
	Sales	-	-	144.5	419.7	116.0	10.4	-	-	-	-
EDELNOR	Purchases	273.8	458.2	140.8	97.1	97.8	54.9	-	-	-	-
	Sales	7.2	-	286.3	273.0	255.3	292.1	801.1	1,263.8	1,637.3	1,522.8
ELECTROANDINA	Purchases	41.5	173.4	683.0	733.3	1,438.0	1,497.4	1,109.5	831.7	1,000.1	968.1
	Sales	261.1	105.2	5.0	20.2	-	-	-	-	18.9	-
ENDESA	Purchases	251.6	23.2	210.9	260.2	-	-	-	-	-	-
	Sales	-	0.7	0.3	-	-	-	-	-	-	-
AES GENER	Purchases	-	-	-	397.4	-	2.7	-	-	-	-
	Sales	-	-	-	-	473.7	629.2	997.8	1,088.9	1,050.3	1,335.6
NORGENER	Purchases	11.6	3.7	-	216.4	833.9	1,364.7	1,067.2	1,266.1	739.2	503.1
	Sales	342.9	604.6	645.6	172.0	-	-	-	-	-	11.3
GASATACAMA	Purchases	-	-	-	0.3	-	-	24.0	3.5	430.2	806.1
	Sales	-	-	-	844.4	1,549.6	2,251.5	792.7	350.1	126.3	36.1

Notes:

CDEC-SING began to operte on July 30 1993.

Energy purchases made by Edelnor in 1993, do not include purchases made to Endesa prior to start-up of CDEC-SING.

Provisional valius for the months MAY 2000 through December 2005

POWER TRANSFERS AMONG CDEC-SING GENERATION COMPANIES (MW)
YEAR 2005

2005 Firm Power Balance

	CELTA	EDELNOR	ELECTROANDINA	AES GENER	NORGENER	GASATACAMA	TOTAL SING
Inyections [MW]	74,0	304,9	387,5	289,2	101,2	376,3	1533,26
Withdrawals [MW]	125,5	154,2	493,9	90,6	180,6	424,4	1469,21
Balance [MW]	-51,5	150,7	-106,4	198,6	-79,4	-48,1	64,1

2005 Firm Power Transfers

	CELTA	EDELNOR	ELECTROANDINA	AES GENER	NORGENER	GASATACAMA	TOTAL SING
Purchases (MW)	56,4		124,2		82,7	61,4	324,7
Sales (MW)		140,1		184,6			324,7

Tariff	Term		Price of Power	Price of Power	Dollar rate for
setting date	From	To	[$/kW-month]	[US$/kW-month]	tariff-setting purposes
Oct-04	01/01/2005	30/04/2005	3,713.710	6.023	616.55
Apr-05	01/05/2005	31/10/2005	3,696.460	6.303	586.48
Oct-05	01/11/2005	31/12/2005	3,446.950	6.422	536.70

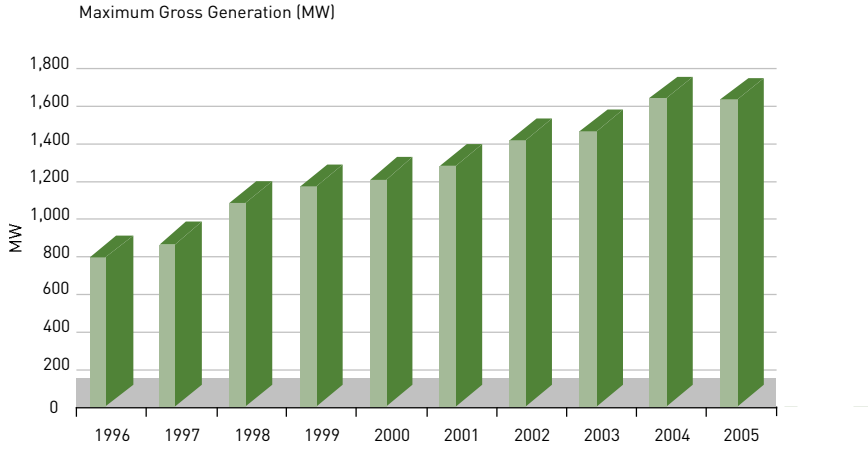
POWER TRANSFERS AMONG CDEC-SING GENERATION COMPANIES (MW)
1996 - 2005 PERIOD

	CELTA		EDELNOR		ENDESA		ELECTROANDINA		AES GENER		GASATACAMA		NORGENER	
	Purchases	Sales	Purchases	Sales	Purchases	Sales	Purchases	Sales	Purchases	Sales	Purchases	Sales	Purchases	Sales
1996			36.1			11.3		19.6						5.3
1997			92.5			22.9		21.7						47.9
1998		13.0	40.8		42.1			43.5						26.4
1999	2.5		62.5					14.5	72.0			40.0		82.5
2000	45.3		81.3				206.0			156.6		242.8	66.8	
2001	59.4		33.5				146.6			152.0		172.8	85.3	
2002 (jan-mar)	48.5			145.8			138.0			183.2	73.0		69.4	
2002 (apr-dec)	55.1			141.7			174.0			178.9	9.8		81.7	
2003	52.9			123.9			117.5			164.4	34.9		83.1	
2004	65.5			132.3			119.3			179.6	43.0		84.2	
2005	56.4			140.1			124.2			184.6	61.4		82.7	

ANNUAL MAXIMUM DEMAND CDEC-SING 1996-2005 PERIOD

Year	Day	Hour	Maximum Gross Generation (MW)	Maximum Gross Demand (MW)
1996	26-dec-96	23	795	747
1997	25-nov-97	22	866	812
1998	23-dec-98	23	1,087	1,021
1999	13-dec-99	22	1,173	1,094
2000	15-dec-00	22	1,213	1,153
2001	5-nov-01	22	1,281	1,221
2002	23-dec-02	22	1,420	1,360
2003	14-dec-03	22	1,467	1,416
2004	19-dec-04	23	1,644	1,567
2005	27-nov-05	22	1,635	1,566

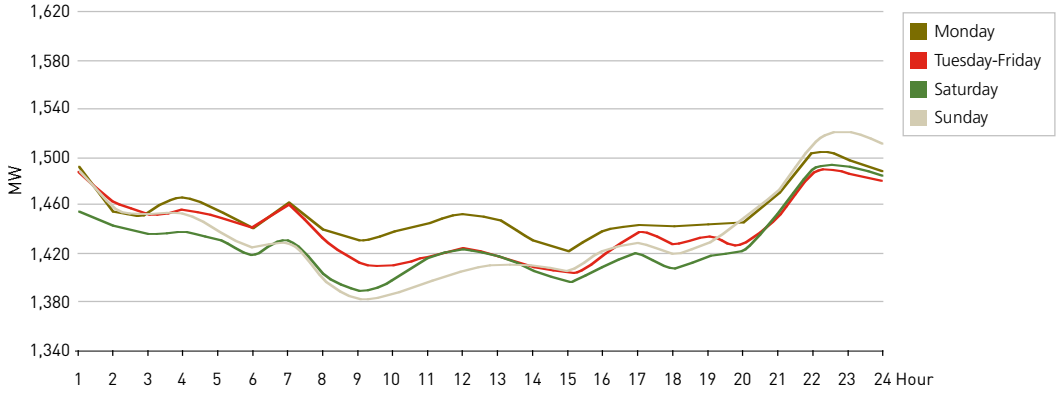
Note: Maximum Gross Demand is obtained as gross generation minus the power plant's own consumption.



GROSS HOURLY GENERATION: TYPICAL DAILY CURVES - YEAR 2005

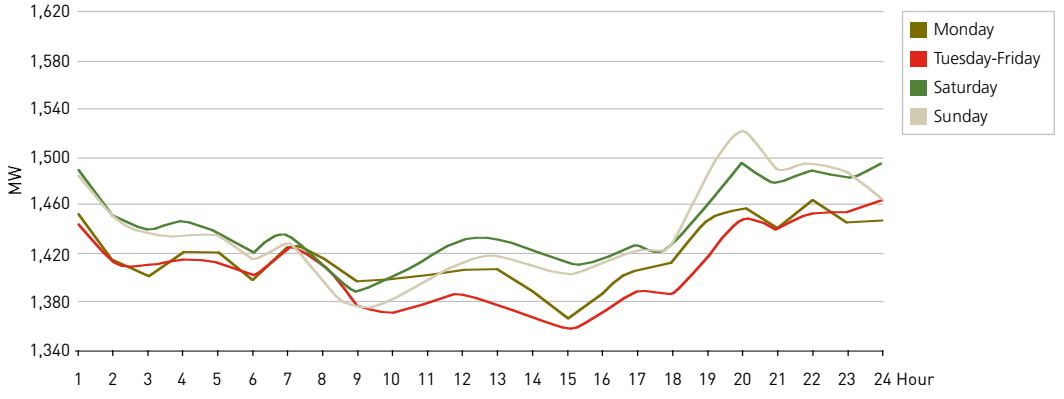
2005 Average Gross Hourly Generation

January - March



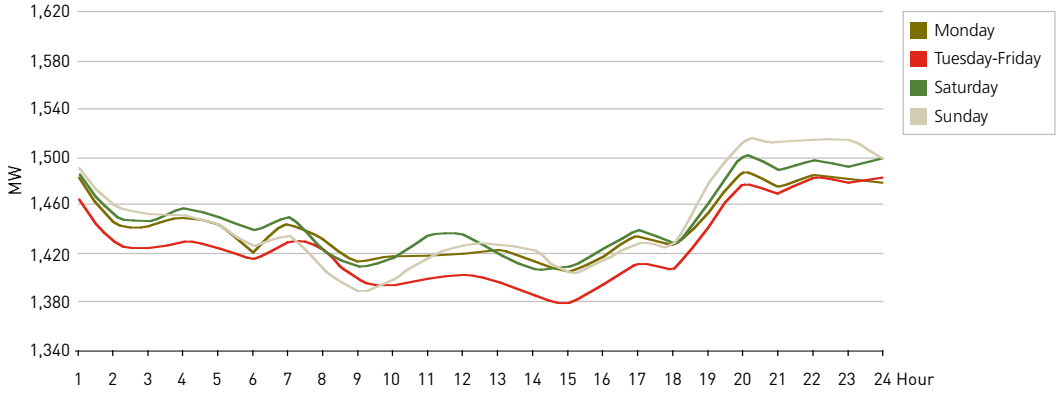
2005 Average Gross Hourly Generation

April - June



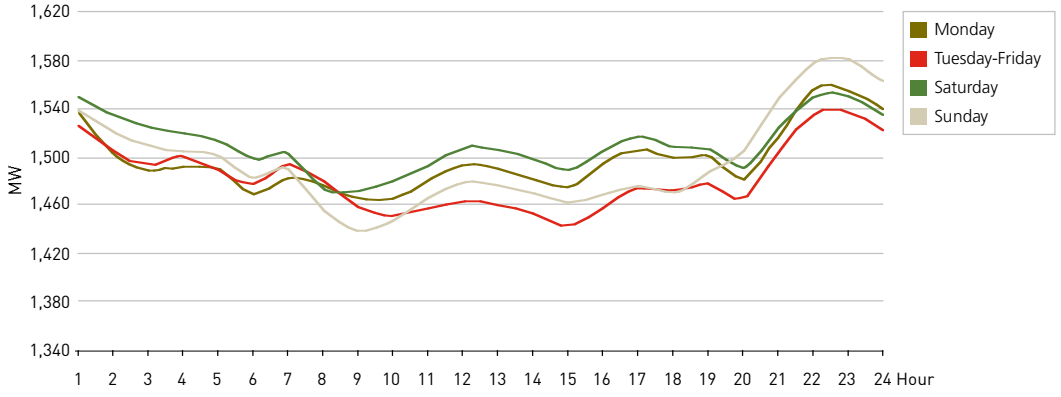
2005 Average Gross Hourly Generation

July - September



2005 Average Gross Hourly Generation

October - December



MARGINAL ENERGY COSTS OF 220 kV - YEAR 2005

DAY	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE
1	16.33841	21.45672	16.37218	17.59408	18.44450	12.89241
2	17.07883	13.74136	16.71879	18.50754	18.52106	13.57034
3	16.16474	16.53533	15.50776	18.48838	18.22807	13.42222
4	14.24711	16.82868	16.07028	19.60986	18.48049	14.94810
5	11.07451	16.64316	15.65091	18.12365	16.99313	15.63384
6	11.31777	15.97166	15.83012	16.64322	17.90918	15.58047
7	16.34322	16.28078	15.95408	15.88868	18.38036	14.20521
8	14.66917	17.13985	15.55768	17.31721	18.24698	14.88759
9	11.08605	17.19054	17.31882	17.48217	20.33839	13.35516
10	16.54641	17.71218	15.73979	18.00605	17.55166	15.37514
11	15.30848	16.49797	16.44296	18.06934	18.47690	17.12665
12	16.18961	15.89870	15.88750	16.58479	18.12058	16.91367
13	16.37167	16.54140	16.82678	18.25972	17.13796	15.50604
14	14.37360	16.66437	16.79004	18.19953	17.01815	14.12309
15	15.05301	15.60485	16.87053	18.42036	16.79949	10.75177
16	15.39360	15.11183	20.96903	18.45131	17.09964	11.38952
17	16.33671	16.01442	17.97511	18.02520	14.77184	12.10754
18	14.92448	14.97748	17.87769	17.90778	9.84046	14.70278
19	14.43585	12.70635	18.51520	17.87568	16.52358	14.84350
20	14.78773	13.02202	17.83397	15.70040	17.06487	15.05495
21	14.95307	15.00231	17.68848	18.11599	16.88746	15.08757
22	17.46532	17.16326	18.19791	18.48907	16.75785	15.85957
23	18.33620	15.58766	20.64712	18.53813	16.82598	14.80203
24	15.73265	16.74829	18.70296	21.63688	16.79746	14.66583
25	16.18874	16.21927	17.67546	21.05821	17.53290	15.11859
26	15.90373	20.00889	17.50703	18.17319	17.03662	14.74875
27	15.75663	16.03074	17.09514	18.43138	17.09010	13.21455
28	17.14221	15.91302	17.81145	18.40953	15.52010	13.29072
29	16.76648		17.82845	18.64717	15.52348	13.13236
30	16.73317		18.92617	18.60094	16.19346	15.10668
31	17.68725		17.74767		16.44981	
Average	15.5067	16.2576	17.3057	18.1752	17.0504	14.3806

Note: Provisional values. Daily averages in $/KWh.

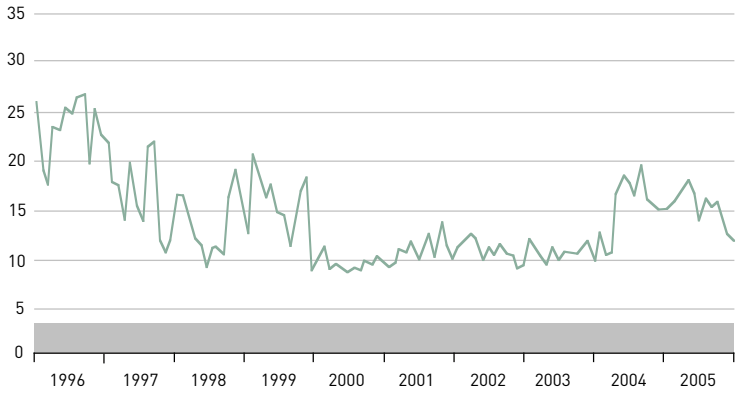
JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
15.15187	18.40331	25.78420	15.45600	13.50322	12.15058
15.33051	19.25426	16.91283	14.89735	13.90165	14.43113
15.36637	18.40722	13.15997	15.19033	15.20664	14.56788
15.44358	18.40029	17.13045	17.39917	14.22877	13.61536
12.16381	16.72723	14.76284	13.08139	13.82174	13.50478
20.43364	16.73096	11.57568	13.16897	14.10638	10.28895
12.55305	17.16228	16.81657	13.94052	15.72029	9.56271
14.74221	14.77040	14.17025	14.69928	12.79162	11.83015
15.07416	14.57337	16.61770	14.85419	12.11385	12.35335
14.69348	13.50722	16.04479	14.09760	11.47083	12.01947
14.65575	12.19419	16.47862	14.48101	11.41215	10.68836
14.30258	12.19718	17.57388	13.87680	11.54030	12.75687
14.40414	13.37244	18.31221	13.89332	11.74980	11.79178
14.71605	12.74625	16.08446	13.91497	12.08392	11.95534
18.90360	13.01819	16.45118	14.35894	12.51693	10.78040
41.66565	13.37508	17.96697	14.38345	12.62021	11.68686
21.82746	12.74390	16.15099	15.85867	13.24917	14.23425
14.60159	12.04028	15.95279	14.16887	22.06774	11.62017
13.62628	13.11521	14.86934	14.09858	13.07617	12.63513
14.73886	12.70520	16.86159	14.63728	11.87150	12.84523
13.18859	20.94234	20.98605	14.68397	11.93371	11.36542
14.17205	23.56605	14.34333	14.55313	11.81740	12.45500
15.27679	19.40841	18.38230	14.82025	11.62274	12.06304
14.49047	17.62792	16.02680	17.26202	11.89817	14.15887
14.47163	17.32830	15.06874	13.77921	12.49120	12.72908
14.17442	17.07665	14.65441	14.50827	14.23521	12.39791
15.79884	16.62502	14.71375	14.25251	15.54434	12.33289
17.52996	16.98073	14.89768	13.69183	12.58081	12.33667
19.24815	17.06779	15.78690	14.11889	13.91973	11.85951
22.72169	19.69813	15.96574	13.32300	12.02685	12.22831
18.01130	16.96207		14.83146		11.18683
16.5638	16.0880	16.3501	14.5258	13.2374	12.2720

MARGINAL ENERGY COSTS OF 220 kV 1996 - 2005 PERIOD

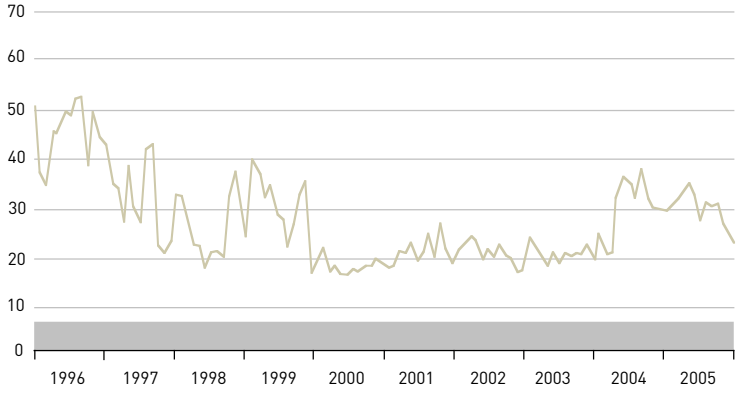
Month \ Year	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
January	18.6	16.9	13.7	10.7	8.9	8.8	10.7	12.0	12.6	15.5
February	13.8	13.7	13.5	17.5	10.1	8.9	11.4	11.0	10.4	16.3
March	12.8	13.7	11.7	16.1	8.1	10.2	11.9	10.4	10.6	17.3
April	17.1	11.0	10.0	14.0	8.6	10.2	11.6	9.5	16.2	18.2
May	17.1	15.6	9.6	15.3	8.1	11.0	9.7	11.0	18.3	17.1
June	18.9	12.3	7.9	13.0	7.9	9.5	10.7	9.8	17.7	14.4
July	18.6	11.1	9.3	12.4	8.3	10.5	10.1	10.6	16.4	16.6
August	119.8	17.0	9.4	10.0	8.2	12.0	11.3	10.4	19.3	16.1
September	20.2	17.5	9.0	11.9	8.8	9.7	10.5	10.6	16.4	16.4
October	14.8	9.5	14.1	14.5	8.8	13.1	10.1	10.6	15.5	14.5
November	19.2	8.8	16.2	16.0	9.3	10.6	8.9	11.7	15.3	13.2
December	17.5	10.0	13.2	7.9	9.1	9.5	9.3	9.7	15.1	12.3
Average	17.4	13.1	11.5	13.3	8.7	10.3	10.5	10.6	15.3	15.6

Note:
Provisional values for April and May 1998, and from May 2000 to December 2005.
Monthly averages in nominal $/kWh.

Average Monthly Marginal Energy Costs at Crucero Node ($/kWh)



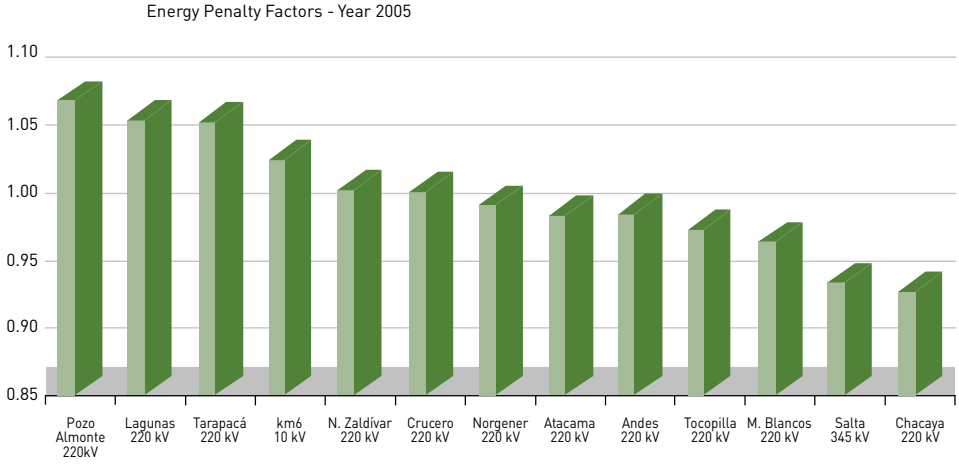
Average Monthly Marginal Energy Costs at Crucero Node (US$/MWh)



Note:
Values have been price-level restated to CPI and converted into US dollars using standing exchange rate at December 31 2005.

Bar	Average	Maximum	Minimum
Pozo Almonte 220 kV	1.07	1.08	1.05
Lagunas 220 kV	1.05	1.07	1.04
Tarapacá 220 kV	1.05	1.07	1.04
km6 100 kV	1.02	1.03	1.02
N.Zaldívar 220 kV	1.00	1.01	0.99
Crucero 220 kV	1.00	1.00	1.00
Norgener 220 kV	0.99	1.00	0.98
Atacama 220 kV	0.98	1.00	0.97
Andes 220 kV	0.98	0.99	0.97
Tocopilla 220 kV	0.97	0.98	0.97
M.Blancos 220 kV	0.96	0.97	0.96
Salta 345 kV	0.93	0.95	0.92
Chacaya 220 KV	0.93	0.94	0.91

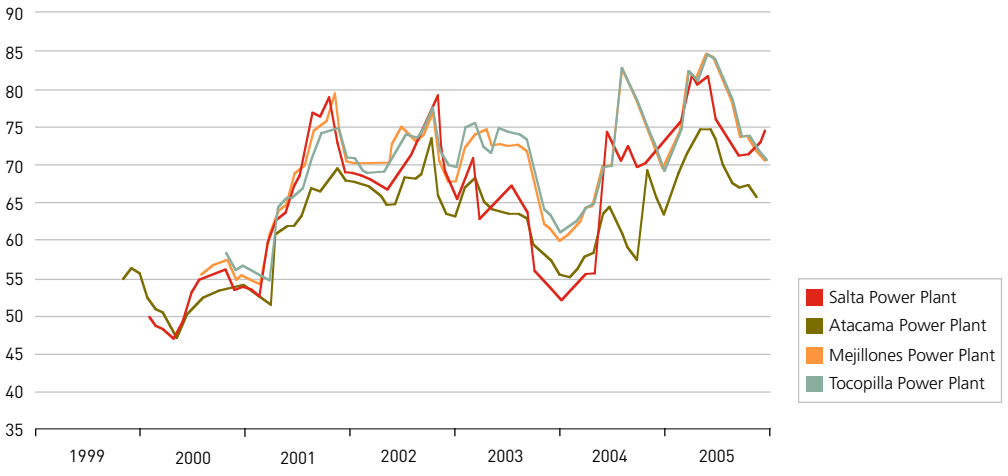
Note: Values correspond to weekly planning.



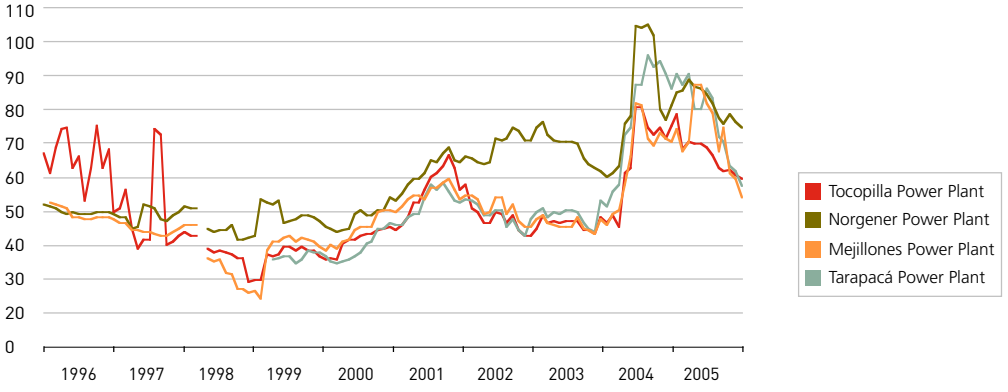
Nota: Values correspond to average penalty factors.

FUEL PRICES PER POWER PLANT

Price Naturals Gas
(mills US$ /m3)



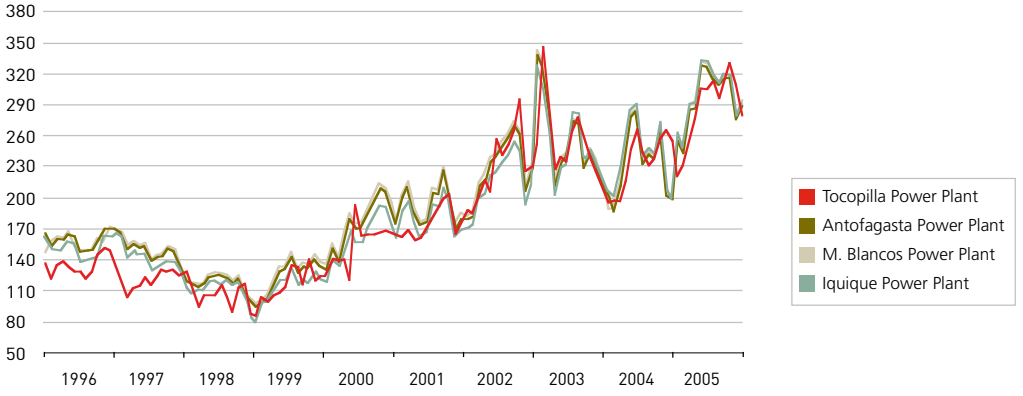
Price Coal
(US$ /Ton) Base 6000 (kcal /kg)



Note: Fuel prices shown in graphs correspond to value current as of the last day each month and which have been price-level restated to CPI and converted to US dollars at exchange rate in effect at December 31 2005.

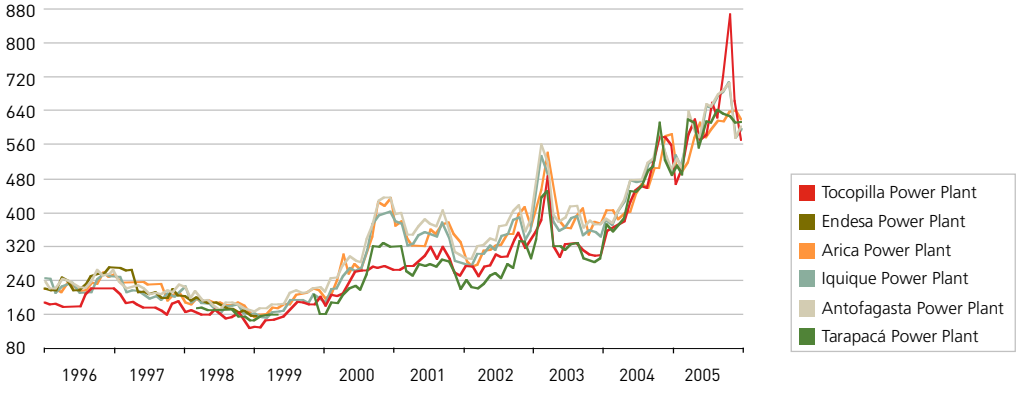
Price Fuel Oil Nº 6

(US$ /Ton)



Price Diesel Oil

(US$ /Ton)



Edition / CDEC-SING
Visual Concept / Racic Grupo Diseño