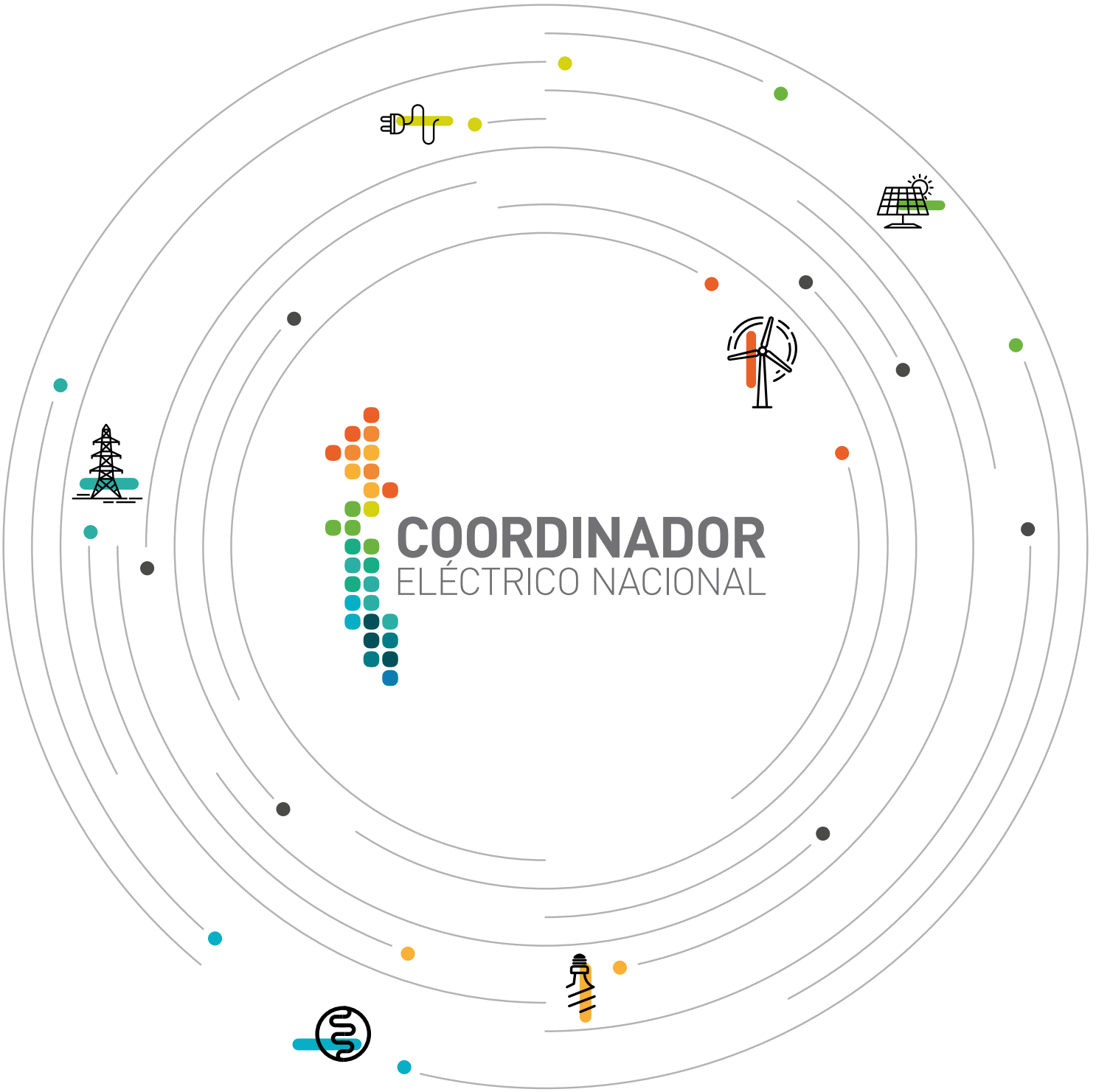

COORDINADOR
ELÉCTRICO NACIONAL

Annual Report

2017

COORDINADOR
ELÉCTRICO NACIONAL

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MESSAGE FROM THE CHAIRMAN

> PEOPLE ARE THE COORDINATOR'S SOUL AND ITS DRIVING FORCE

On behalf of the Board of Directors, it is an honor to present this historic document, the first annual report of the National Electricity Coordinator. It is historic because it covers the formal launch of operations on January 1, 2017, as well as the successful interconnection of Chile's two main electricity systems.

This major feat marks a tremendous first step in developing a more robust, flexible system with built-in tolerance. The system will bring greater competition, new technology and lower prices while providing higher levels of security and service quality.

I cannot proceed without mentioning the work and effort of several entities that took part in the interconnection. First, the government authorities created the regulatory conditions under which private parties could make this project a reality. Then, companies made it possible by taking on the construction of the different phases. I would like to take this opportunity to congratulate the professionals responsible for coordinating those involved so that this challenge was achieved successfully and in a shorter timeframe than we had initially anticipated.

While our organizational structure is the skeleton that supports the Coordinator, people are its soul and the driving force behind it. Our professionals and technicians have worked enthusiastically to create a shared culture that harnesses synergies in the technical skills, experience and talents of our predecessors, the Economic Load Dispatch Centers (CDECs). These virtues are reflected in a set of principles (autonomy, independence, impartiality, transparency) and values (excellence, integrity,

respect, identity, innovation) that are the mainstay of our conduct and way of doing things.

As we focus on the great goal of providing Chileans with the best electricity service, we have established a mission that uses public interest as a beacon to guide what we do; a vision to tell us where we want to go; strategic planning and a list of strategic objectives and initiatives that lead us toward accomplishing the vision. This plan addresses not only how we perform daily tasks but also anticipates new short- and long-term technological and energy challenges as we seek to create a model that other countries can emulate, especially in coordinating electricity systems.

In addition to progress on shaping organizational structure and defining unit roles and responsibilities, we made great strides forward in corporate governance, developing several regulations to complement the Coordinator's management policies, including the Corporate Governance Code, the Order, Hygiene and Safety Regulations, the Code of Ethics and a Regulatory Compliance Model.

New roles and attributions

The new Electricity Transmission Law created the National Electricity Coordinator with unprecedented characteristics and responsibilities. In concrete terms, we are an autonomous public non-profit corporation that is independent, with our own equity and indefinite duration.

The law also assigns us a series of strategic tasks including coordinating the national electricity system in a secure and efficient manner, ensuring open access to the transmission systems, proposing the development of the transmission system over the long-term, overseeing competition between the different stakeholders and promoting innovation within the system.

In 2017, we also began the tender processes for national and zonal transmission to complement the interconnection and form a robust, flexible system with built-in tolerance. These tenders are essential to facilitating the entry of more non-conventional renewable energy sources, harnessing competition in the sector, and making our energy matrix cleaner. The transmission system development process will be intense and will require definition and the tendering of works over the next two years and construction over the next five to seven years.

Launching an organization and reaching cruise control requires a range of efforts. Some of the Coordinator's achievements during 2017 that are not included in this brief summary can be found in the body of this Annual Report.

Our challenges for 2018

I want to take this opportunity to share the five action areas that we have defined for this year and that we believe will help the Coordinator make important advances in performing our functions in the eyes of our stakeholders. These are:

Processes: We have prioritized 10 critical processes for improvement and modernization. The objective is to make them transparent, traceable and timely so that the coordinated companies may verify, compare and study the Coordinator's decisions.

Information: We must make progress toward having thorough, timely, easily accessible information on all system elements, studies and calculations, and communications with those we coordinate. The objective is to provide equal access to information so that the coordinated companies are equipped to make the best decisions in a competitive environment.

Innovation: Technology is changing everything; the electricity industry is no exception. We will promote an agenda with coordinated companies, experts and universities that seeks to innovate in ways that prepare the system and the electricity business for the challenges to come. This includes a real-time system simulation laboratory that can be used by the coordinated companies and other stakeholders.

Personnel: As I already mentioned, people are the soul of a company. We must take care of them and train them so that their contribution counts. We will therefore be offering a great deal of training, particularly on new technology for secure and efficient operations and greater use of renewable energy. We are working to increase efficiency by creating a single corporate headquarters featuring a Dispatch and Control Center charged with meeting demands for the years to come while providing additional security and conditions similar to those in Latin America's most advanced centers.

Competition Oversight: Everyone knows that competition leads to efficient use of resources. Competition oversight by the Coordinator is scheduled to begin on July 1, 2018. We are preparing to excel in this capacity, helping to ensure that we have a better quality electricity service at a better price.

Finally, I would like to invite everyone to work for Chile, contributing toward development by making steady, safe, efficient and affordable energy available to all who need it.

Germán Henríquez Véliz
Chairman of the Board

MESSAGE FROM THE EXECUTIVE DIRECTOR

> THE INTERCONNECTION OF THE SING AND SIC SYSTEMS MARKS A MAJOR MILESTONE IN 2017

It is our pleasure to present the National Electricity Coordinator's Annual Report, which also contains statistical data from the 2008-2017 time period. The figures for 2017 comprise the figures from the SING and SIC systems for January-November 2017 and the national electricity system statistics for November-December 2017.

The year 2017 marked the launch of the Coordinator, bringing several challenges as well as lessons. At each step, we have ensured operational continuity of the electricity system and the processes under Coordinator oversight. The organization succeeded in operating and performing its tasks while shaping a new organization. We are very proud of the way in which the organization conducted strategic planning while establishing a new structure and governance within such a brief period.

In the labor realm, the Coordinator was named a strategic company, recognizing the critical function we fulfil and the impact of our responsibilities on the population and the industry. In this context, the collective bargaining process with the CDEC-SING workers union, carried out under the new labor legislation, ended positively.

The interconnection of the SING and SIC systems was undoubtedly the major milestone of 2017. The achievement was the result of intense efforts begun in

2016, including establishing different work groups; reviewing and conducting several studies; processing great volumes of information; training the control center operators who were responsible for following instructions and performing equipment energization maneuvers and other pre-interconnection tasks. These are examples of the organization's path toward November 21, 2017—a historic day for Chile's energy industry, the day of interconnection and the creation of the national electricity system.

The benefits of interconnection were clear and quantifiable within the first few hours. First, the response capacity of the national electricity system makes it possible to absorb generation and transmission contingencies without impacting the end-user. This was not previously possible. Second, the energy produced by renewable energy projects in the Norte Chico region of the country has gradually increased, driving down the curtailment levels present prior to interconnection.

The National Electricity Coordinator's ongoing challenge is to support Chilean energy development by establishing and executing the transmission works necessary to sustain open access, and the efficient and safe operation of the electricity system. In this sense, one of the main milestones was the first annual transmission plan, conducted in accordance with Law 20,936. Meanwhile, the tender process for expansion and new zonal works began. Ninety-eight works will be assigned in 2018 for a total investment of US$767 million, comprised of 31 new zonal works and 67 zonal expansion works. This is in addition to national works totaling nearly US$393 million.

By year end, we had an electricity system with 23,729 MW of installed capacity and maximum demand of 10,363 MW. 2017 was marked by water shortages in the SIC system and this was the eighth consecutive year with low water availability. In fact, these eight years are among the 15% of years with the lowest water availability ever recorded.

Total production reached, 74,222 GWh, with growth of 1.4% while sales to end-users were 68,268 GWh with growth of 1.5%. Note that the figure rose in a year in which a significant number of customers migrated from regulated to unregulated tariffs.

There were several emergencies this year. In particular the forest fires that occurred in different parts of central-southern Chile in early 2017 posed a threat to the operation of the transmission system infrastructure. However, thanks to the response capacity of our technicians and professionals, the effects on the electricity system were minimal. In keeping with the Coordinator's emergency and crisis management protocols, we kept the government authorities and the public informed at all times.

To close, I would like to highlight that the National Electricity Coordinator has taken on a challenging mission: It aspires to be an example of coordination for other countries. In concrete terms, the Coordinator seeks to be recognized as a role model for all of Latin America. Consequently, it fulfills its public mission with excellence, thereby contributing to the country's development and giving each inhabitant a better quality of life. The Electricity Coordinator faces many exciting challenges.

We invite you to review the information about the Coordinator's performance and results in 2017, as well as the important process of continuous change and improvements to which we have committed in order to entirely fulfill our organization's strategic role in Chile's electricity sector.

Daniel Salazar Jaque
Executive Director

2017 NATIONAL ELECTRICITY SYSTEM

23,729 MW
Installed capacity

10,363 MW
Maximum Demand

74,222 GWh
Annual Production

68,268 GWh
Sales to End Customers

15.0%

Annual NCRE Production
(solar, wind, biomass,
run-of-river hydro and geothermal)

32,100 km de líneas

System lines
(from Arica to Chiloé)

98.5% Coverage

of the Chilean Population

373

Coordinated Companies

1.

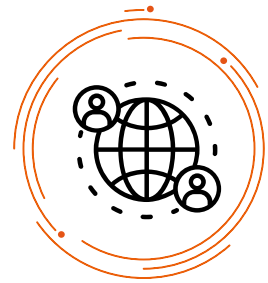
ABOUT THE NATIONAL ELECTRICITY COORDINATOR

The National Electricity Coordinator is an independent technical organization responsible for coordinating the operation of the set of facilities operating as an interconnected group within the national electricity system. The Coordinator is an autonomous, publicly owned non-profit corporation, with its own equity and of indefinite duration.

ABOUT US

MISSION

We are a technical, publicly owned, independent organization that coordinates the operation of the national electricity system. We safeguard the electricity supply with the required security, in the most economical way possible, guaranteeing open access to the transmission systems.



VISION

To be an international role model in the coordination of electricity system operations.

PRINCIPLES

AUTONOMY
We always conduct ourselves in accordance with our bylaws and internal standards as well as laws and regulations.

INDEPENDENCE
We perform our duties independently of government authorities or the stakeholders of the electricity market.

IMPARTIALITY
We act and make decisions based on technical and objective criteria without bias or individual interests.

TRANSPARENCY
Our actions are transparent. We provide thorough, quality, precise and timely information.

VALUES

EXCELLENCE
We do quality work. We like challenges and we set challenging goals for ourselves.

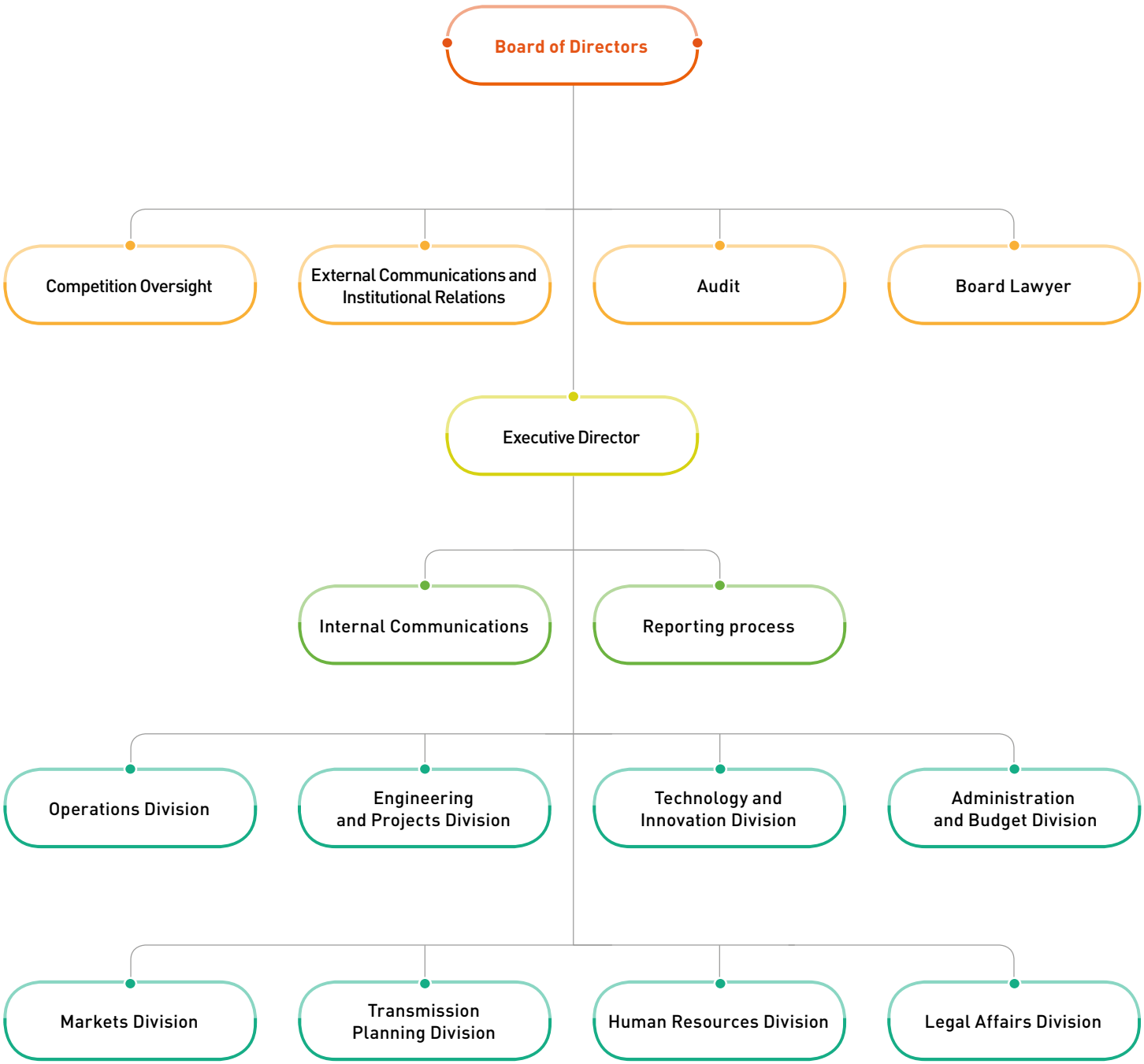
INTEGRITY
We do what is right and take responsibility for the tasks assigned us.

RESPECT
We value and lend special consideration to people and diversity.

INNOVATION
We are innovators in processes, technology and the tools with which we work.

IDENTITY
We promote a unique culture that lends a sense of belonging and brings strength to our organization.

ORGANIZATIONAL CHART



PRINCIPAL MILESTONES OF 2017

NATIONAL ELECTRICITY SYSTEM LAUNCHED

Then President of Chile Michelle Bachelet visited the National Electricity Coordinator's Load Dispatch and Control Center on November 21, 2017 in order to launch the operation of the new national electricity system, born of the interconnection of the Central Interconnected System (SIC) and the Norte Grande Interconnected System (SING). She was accompanied by then Energy Minister Andrés Rebolledo, the Chairman of the Board, Germán Henríquez, the Executive Director of the Coordinator, Daniel Salazar, and other senior authorities.

The new system extends more than 3,100 km from Arica to Chiloé, supplying over 97% of the national population. It meets 11,000 MW of demand and has an approximate installed capacity of 24,000 MW, representing 99% of Chile's installed electricity generation capacity.

Speaking at the event, the former President said, "our country has ended the absurdity of having one electricity system in Norte Grande and another between Taltal and Chiloé. What we are doing is erasing the boundary that abruptly interrupted electricity transmissions, leading to increased prices and inefficiency."

Construction began in August 2015 with private investment of more than US$700 million. Until that date, there were two major interconnected systems in Chile: the SING (from Arica

to Antofagasta) and the SIC (from Taltal to Isla Grande de Chiloé. These were in addition to the Aysén Electricity System and the Magallanes Electricity System.

At the ceremony, the Chairman of the National Electricity Coordinator, Germán Henrìquez, highlighted the work performed by the organization's professionals. "With their characteristic excellence, they have been conducting a series of studies on interconnected and economic operations for more than a year."

"Thanks to the interconnection of the two systems, the solar and wind energy in the north can be complemented with the hydroelectricity from the south. The country will thus save resources and its people will experience more stable and better service with fewer outages," he said.

THE COORDINATOR OFFICIALLY BEGINS OPERATIONS

In January, an inauguration ceremony marked the official opening of the National Electricity Coordinator. It was attended by the electricity sector's highest authorities, senior executives from the coordinated companies, representatives from unions and academia, and managers from the new organization.

The Chairman of the Board, Germán Henríquez, expressed his pride in leading an organization comprised of people with great professional ability and renowned technical excellence. "We are certainly talking about a truly select national team of electricity professionals charged with coordinating a system that extends from Arica to Chiloé. Our players will also be sent out to play in the international leagues." The Coordinator's corporate logo, a conceptual representation of the different types of energy generated from the north to south of the country, was presented at the ceremony.

INTEGRATION OF AGC PLATFORMS: **THE GREAT STEP ON THE ROAD TO INTERCONNECTION**

Three months before completing the interconnection of SIC and SING, the Coordinator took a major step in the development of national electricity supply by defining and implementing a coordinated scheme for integrating the two Automatic Generation Control (AGC) systems, which control the generators in such a way as to maintain the frequency of the electricity supply system by measuring the balance between generation and demand.

The Coordinator's technical teams planned and implemented this important integrated operational control strategy, which guarantees greater security, efficiency and flexibility throughout the whole of the national electricity system. To achieve this, they spent months evaluating the technologies, communications systems and generation capacities of the two

systems. They developed the basic and detailed engineering and carried out field tests to achieve integrated monitoring and control of the key variables affecting the operation of the systems.

APPROPRIATE MANAGEMENT TO ENSURE SUPPLY DURING FOREST FIRES

The huge forest fires which affected central Chile in January 2017 required various contingency decisions by the National Electricity Coordinator to safeguard supply.

According to a report by the Coordinator, 19 events occurred in SIC transmission lines during the month as a result of the fires. However the shortfall in electricity supply was only approximately 400 MWh, equivalent to just 0.01% of the month's consumption. This was made possible by the timely and well-judged instructions of the operators in the Coordinator's Dispatch and Control Center (CDEC), and by the work of the coordinated companies in operating with "islands" and dispatching forced generation in order to control transfers, thereby preventing more extensive power outages.

INTERNATIONAL SEMINAR REPORTED ON OTHER EXPERIENCES IN ELECTRICITY INTEGRATION

A few weeks before the interconnection of the SIC and the SING was finally achieved, the Coordinator invited the top executives of electricity operators in the USA (California ISO), Spain (Red Eléctrica), Brazil (Operador Nacional do Sistema Elétrico) and Central America (Ente Operador Regional) to share their visions in a seminar: "The challenges of integrating the SIC and SING electricity systems: an analysis of international experiences", held in October 2017.

The seminar, attended by around 200 invited delegates, allowed Chile to share the experience of these four international operators, which had already successfully carried out interconnection projects in their own countries. The seminar addressed not only the technical challenges but also the opportunities for safe, reliable operation.

PRESENTATION OF **THE OPERATING PROCESSES** OF THE NATIONAL ELECTRICITY SYSTEM

In September, more than 250 professionals from the coordinated companies met with the Coordinator's most senior executives and technicians to present the processes for programing, operation and added value associated with the new national electricity system.

In operational terms, the process for real-time programing and operation was presented. In the area of added value, marginal costs and economic transfers between companies were discussed. The scope of the platform which receives the measurements used in these transfers was also discussed, as well as the analysis for the single fuel declaration. The technological subjects discussed

were the steps taken to unify the key platforms for operation, i.e. the Scada system and AGC.

ANALYSIS OF **POST INTERCONNECTION** SCENARIOS

As part of the preparation for the electricity integration process, the Coordinator commissioned a series of studies which analyzed the scenarios that would arise after the interconnection of the SING and the SIC.

This led to a report being published in March: "Operational Analysis of the Interconnected SIC-SING Systems", produced by the consultant Estudios Eléctricos Chile. This report summarized the main contents of six studies which evaluated the operation of the two systems before and after interconnection, including four phases linked to the entry into operation of transmission projects and connections which were then under construction.

In June a further study was published: "Operational Analysis of the Initial Phase of the National Electricity System (SEN)", which analyzed six topological configurations and scenarios for the commissioning of the installations. Among other things the evaluation included analyses of stability (angular, voltage and frequency), minimum inertia and the increase and reduction ramps of NCRE generation. A preliminary economic analysis was also carried out for each scenario to determine the short- and medium-term operating costs.

WORKSHOPS FOR EMPLOYEES RESPONSIBLE FOR CONTROL CENTERS

Complete analyses of service recovery plans and technical management were the principal subjects discussed in two workshops held by the National Electricity Coordinator in Antofagasta and Santiago during October for the employees responsible for the 80 Control Centers that took part in the interconnection.

THE BOARD OF DIRECTORS HOLDS MEETING WITH **GOVERNMENT AUTHORITIES** AND ELECTRICITY TRADE ASSOCIATIONS

Una amplia agenda de reuniones protocolares, tanto con autoridades gubernamentales como gremiales, sostuvo a inicios de año el Consejo Directivo del Coordinador Eléctrico Nacional, con el objetivo de presentar las nuevas funciones del organismo, así como informar sobre la marcha del proceso de interconexión del SING y el SIC, entre otras materias.

Entre ellas destacaron la reunión sostenida con la ex Presidenta de la República Michelle Bachelet y los ministros de Hacienda y Medio Ambiente, respectivamente. Además, se concretaron citas con la Asociación Gremial de Generadoras de Chile, la Asociación de Empresas Eléctricas, GPM AG, la Asociación Chilena de Energías Renovables, el Consejo Minero y la Asociación de Consumidores de Energía no Regulados.

TECHNICAL TOUR OF OPERATORS IN THE USA AND CANADA

In July, directors Claudio Espinoza, Andrés Alonso and Jaime Peralta visited the principal Independent System Operators (ISOs) of the USA and research and development centers in Canada in order to see on the spot how these organizations guarantee the safe, efficient operation of their systems and how the wholesale electricity market and complementary services are administered in North America.

In the USA, they met the principal executives of the California Independent System Operator (CAISO), PJM Interconnection, Midcontinent Independent System Operator (MISO), New York Independent System Operator (NYISO), Southwest Power Pool (SPP), Electric Reliability Council of Texas (ERCOT) and ISO New England (ISO-NE). In Canada they visited the National Renewable Energy Laboratory (NREL), Electric Power Research Institute (EPRI) and Hydro-Québec Research Institute (IREQ).

FIRST **TRANSMISSION** DEVELOPMENT **PROPOSAL**

In January the Coordinator presented its first draft of a development plan for the electricity transmission system, recommending 17 projects to support the future development of the generator park and adaptation to possible increases in load and demand which the energy system may need to confront in the coming years.

After a complete technical and economic evaluation, in June the Coordinator issued a complementary report proposing 21 projects to be put out to tender during 2018. Four of these initiatives are for developing the national system (US$480 million), while the other 17 are for zonal initiatives (US$100 million).

The main works recommended were a new 500 kV line running south from Concepción to avoid congestion due to new generators located south of the Charrúa substation, and the construction of a 500/220 kV substation at Nueva Taltal, which will reduce the dumping of non-conventional renewable energy (NCRE) and facilitate the connection of new energy sources in the northern zone.

THE COORDINATOR STARTS THE TENDER PROCESS FOR **TRANSMISSION WORKS** WORTH MORE THAN US$1 BILLION

Between September and November the Coordinator started the tender process for 106 transmission works - at national and zonal level - for the expansion processes planned for the national electricity system in 2017, an investment totaling more than US$1 billion.

The most important works in this process were the 2220 kV Nueva Mataquito-Nueva Hualqui line (between the Maule and Biobío Regions); the 2220 kV Nueva Alto Melipilla-Agua Santa line (between the Valparaíso and Metropolitan Regions); the 2220 kV Nueva Pan de Azúcar-Nueva Pelambres line (Coquimbo Region) and the 2500 kV Nueva Puerto Montt-Nueva Ancud line (Los Lagos Region). In combination, these works will improve the quality and flexibility of the service, with more non-conventional renewable energy (NCRE) sources and lower costs for the national electricity system.

To support this process, the Coordinator held a roadshow in Colombia, Spain, Brazil and Santiago to encourage new investors and engineering and construction firms to participate.

RECORD NUMBER OF COMPANIES INTERESTED IN THE TENDER PROCESS STARTED IN 2016

The Coordinator received a record number of 12 technical and financial bids, with four European companies among the bidders, for the execution and operation of new facilities in the trunk transmission system, bringing the process started in July 2016 to a successful conclusion.

The works, valued at US$288 million, were awarded to four bidders. The consortium consisting of Red Eléctrica Chile and Cobra Instalaciones y Servicios will execute four projects in Pozo Almonte. Interconexión Eléctrica will install a new bank of autotransformers in three substations. The Saesa-Chilquinta Consortium will construct the new Maitencillo-Punta Colorada-Nueva Pan de Azúcar line, while Enel Distribución will proceed with the Nueva Lampa Sectioning substation.

CENTRALIZED FORECASTS FOR **MANAGING VARIATIONS** IN WIND AND SOLAR POWER

In the second quarter, the National Electricity Coordinator started a trial run of the centralized forecasting system for wind and solar energy generation, in order to have additional information to complement that provided daily by generators on the operational availability of wind and sun. The objective is to reduce uncertainty in operations where there is a high input of renewable energy.

The service is provided by AWS Truepower, which participated with five other bidders for 28 days in a real test of their forecasts for the following day in a sample of five parks. Their forecasting model achieved a reduction of 3% in the normalized mean absolute errors (nMAE) for the installed capacity in wind parks, and 0.7% in photovoltaic parks, in comparison with the forecasts received by the Coordinator from the generators.

COORDINATOR PROMOTES **I2D** INITIATIVES

The Electricity Coordinator provided technical support for a successful test to assess the capacity of a photovoltaic plant to provide complementary services, run on October 25; it was the first such test in Latin America and the second in the world.

The test, promoted by First Solar and carried out in the ENGIE Laborelec Research Center, used the Luz del Norte generator (141 MW). It consisted in assessing frequency control and voltage control services for different control configurations and operating conditions. The pilot initiative forms part of the I2D development plan being promoted by the Coordinator to contribute to the modernization of the energy systems.

CYBERSECURITY TRAINING WITH THE CALIFORNIA COORDINATOR

Professionals from California Independent System Operator (CAISO), responsible for operating the electricity system in the Western United States, visited Santiago in August to share with the Coordinator their experiences and practices for cybersecurity in the operation of electricity systems.

Given CAISO's leadership on this issue, it was very valuable for the Coordinator's executives to learn about their principal processes and standards in areas such as security and technology architecture, risk reviews, information security, etc. These subjects form part of the contents of ISO standard 27002, which establishes good practice for implementing controls and guaranteeing information security.

NEW TECHNICAL GUIDELINES FOR THE PLANNING AND DESIGN OF PROTECTION AND CONTROL SYSTEMS

Technical Guidelines for the Planning and Design of Protection and Control Systems were produced as a result of a valuable technical study carried out jointly with AES Gener, Colbún, Transelec and Saesa. The object of the study was to incorporate better security and quality standards into protection, control and communications plans, in line with the highest international parameters.

The guidelines cover all transmission installations over 200 kV. They explain the general performance requirements expected in protection and control systems, and include the minimum protection schemes or functions necessary according to the characteristics of the various elements of the electricity system. The draft guidelines were presented to the industry in December for public consultation.

TECHNICAL WORK DAYS: **MEETINGS IN THE REGIONS**

On September 26, the first technical work day run by the National Electricity Coordinator was held in Concepción. It was an occasion for professionals from the coordinated companies to meet with academics and the public sector to talk about the main issues affecting planning, operation, the market situation and innovation in the national electricity system, particularly developing the transmission system.

LEARNING MORE ABOUT **CSP TECHNOLOGY**

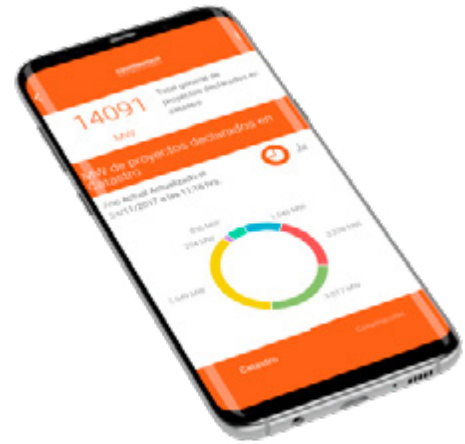
Engineers Eduardo Esperguel and Ricardo Gálvez from the Planning and the Technology and Innovation Departments, took part in the Modeling CSP-Chile workshop held in Denver, Colorado, by the National Renewable Energy Laboratory (NREL) of the US Department of Energy.

This experience enabled them to gain deeper knowledge of CSP technology, which can be used among other things for heat storage; it is therefore useful for making solar energy generation systems more flexible.

THE COORDINATOR'S NEW **MOBILE APPLICATION**

In December, the Coordinator launched a new mobile application that includes the main indicators for the new national electricity system. It works on the iOS and Android operating systems and has an attractive graphical interface and easy navigation. It allows the user to access data and reports that are updated on an ongoing basis. The materials cover energy production by source type, projected marginal energy costs 24 hours a day, the level of the reservoirs and specific information on the performance of NCRE generators.

Developed in Spanish and English, this app presents innovative features, such as a map with georeferenced locations for all the plants in the national electricity system and the type of energy that they use, as well as a system for sending notifications to mobile devices in case of a power outage.



AGREEMENTS WITH THE COORDINATOR'S **INTERNATIONAL PARTNERS**

The National Electricity Coordinator has taken important steps towards its objective of becoming an international role model by joining major global associations and signing agreements with operators in other countries.

In August, it joined the Association of Power Exchanges (APEx), which is based in Philadelphia in the United States. The entity promotes the development and exchange of ideas, knowledge and best practice related to the operation and competitive performance of global electricity markets and has members on four continents.

One month later, the Coordinator was accepted as a full member of the Energy Intermarket Surveillance Group (EISG), becoming the first Latin American operator to join this international electricity market competition monitoring agency.

In regard to bilateral agreements, a technical cooperation agreement was signed in March with XM Compañía de Expertos en Mercados, an electricity system operator in Colombia. In September, another agreement was reached with the operator of El Salvador's National Interconnected System and Wholesale Market Administrator, which has valuable experience related to the development of the Central American Electrical Interconnection System (SIEPAC).

These alliances will not only enable the exchange of information and experiences that may lead to the adoption of better operational practices, but will also provide opportunities for internships, training activities, seminars and joint research.

2.

BOARD OF DIRECTORS

The National Electricity Coordinator's Board of Directors is a collegiate body that performs the duties assigned to it by the law and regulations. It is composed of five members, one of whom was elected Chairman of the Board.

OUR CORPORATE GOVERNANCE

A Board of Directors, a collegiate body, is responsible for deciding the direction and overall management of the National Electricity Coordinator. The Board is tasked with setting the institutional direction and policies and long-term plans to ensure that the Coordinator complies with the functions assigned to it in accordance with current law and regulations. The objective is to safeguard the security of the electricity system service, guarantee the most economical operation of the electricity system facilities, and ensure open access to all transmission systems in accordance with the law.

The Board has five members, who are elected separately in public, open processes by a Special Nominations Committee composed of the Executive Secretary of the National Energy Commission (CNE), a member of the Senior Public Management Council, the President of the Electricity Services General Law Panel of Experts, and the President of the Tribunal for the Defense of Free Competition. The Board members and Chairman serve for five years and three years, respectively, and may be reelected once.

The Board has organized the following committees to support management and governance: the Management, Risk and Auditing Committee, the Electricity Markets Committee, the Electricity System Operations Committee, the Planning and Open Access Committee, and the Corporate Governance Committee.

Each committee will ensure the transparency and submission of quality, timely and complete information in the area of its specific functions as well as the quantity and frequency of the information based on current regulations and policies.

The Executive Director is personally responsible for the implementation of the agreements adopted by the Board as well as the administrative, technical and organizational management of the Coordinator.

1. **GERMÁN HENRÍQUEZ VÉLIZ**
Chairman. Elected through 2021.
Civil Engineer, Universidad de Chile.

2. **ANDRÉS ALONSO RIVAS**
Deputy Chairman. Elected through 2019.
Civil Industrial Engineer specializing in electricity, Universidad Técnica Federico Santa María de Valparaíso. Master of Science in Economics, London School of Economics, UK; Master of Arts in Astrophysics, Columbia University, US.

3. **PILAR BRAVO RIVERA**
Board member. Elected through 2019.
Attorney, Universidad de Concepción

4. **CLAUDIO ESPINOZA MORAGA**
Board member. Elected through 2021.
Civil Electrical Engineer, Universidad Técnica Federico Santa María. Master's degree in Business Management and Leadership, Universidad de Chile. Diploma in Environmental Management and Territorial Organization, Universidad Mayor.

5. **JAIME PERALTA RODRÍGUEZ**
Board member. Elected through 2021.
Civil Electrical Engineer, Universidad de Chile. MBA, ESADE Law & Business School. Master's degree in Applied Sciences (MSc.) and Doctorate (Ph.D.) in Electrical Engineering, University of Montreal, Canada.

PLANNING AND OPEN ACCESS COMMITTEE

The Board of Directors created this Committee to oversee the planning of the transmission systems and tenders for transmission and open access projects.

In the case of transmission systems planning, proposals for expansion and new facilities were analyzed over the course of the year, and the methodologies applied were observed to verify that they complied with the necessary procedures.

As a result of this work, the first proposal for expansion of the national and zonal transmission system was reviewed and submitted. This was the first exercise conducted in the context of Law 20.936, a process that will conclude with the passage by the 2017 Transmission Expansion Decree of the Energy Ministry. In addition, the 2018 Expansion plan was prepared for submission to the CNE in January 2018.

Another important milestone was the review of the 2017 Transmission System Integrity Study (EIST-2017), which establishes the maximum short-circuit levels for the 220 kV and higher electricity network of the national electricity system for the period 2018 through 2021. This review will allow the Coordinator to make projections, thereby highlighting any potential limitations to be considered in the planning or location processes of new transmission or generation projects.

The committee also ensures that transmission project tender processes for both new projects and expansions are transparent, competitive and that the risks are controlled. It also oversees the processes for auditing the construction of the awarded projects. This is the case, for example, of the beginning of the tender for the trunk works for CNE Decree No. 422, the last process under the old law, which will be awarded in May and July 2018. The tender process for the expansion works set out in Transitory Article 13 of the law also will take place. The first group will be awarded in July and the rest in October 2018.

Furthermore, the committee and leadership of the respective area participated in the review of the structure and resources of the engineering and projects division for the new function of managing tenders and monitoring projects that are being executed. It also took part in the review and discussion of the project hiring system and tender terms and conditions for the new works and zonal expansion works, the observation of the plan to address the CNE requirements for maintaining databases for setting tariffs for facilities and the discussion of the plan to improve the application of the Connections Projects based on the Minimum Connection Requirements Annex.

In regard to measures for guaranteeing open access to transmission systems, the Committee reviewed the first version of the Available Technical Capacity Study for dedicated transmission facilities. Its contents are key to localizing new generation projects because it allows for the potential use of transmission lines and new demand projects to be identified.

CORPORATE GOVERNANCE COMMITTEE

2017 was a year of integration for the Coordinator and the foundations were laid for moving towards becoming an organization that applies best practice in the area of corporate governance.

Once the Coordinator's Statutes had been approved, progress was made on complementing this instrument with the approval of a Corporate Governance Code and the development and approval of five Corporate Policies: Public Agenda, Innovation, Sponsorship and Support, Human Resources, and External Communications. This allowed the central lines of the organization to be established.

During the first quarter, this committee proposed to the Board that it conduct a strategic planning process to establish the Coordinator's mission, vision, values and principles, as well as the process map, key performance indicators (KPIs) and strategic initiatives that sustain it. It was thus possible for the organization to establish its roadmap for the next five years.

More specifically, at the beginning of the year, and with the Executive Director's support, the new organizational structure was discussed with the employees and they contributed to the development of the Coordinator's Code of Ethics. The committee also led the Structure and Staffing Study in fulfillment of CNE Resolution No. 333, which requires an independent vision of the organization for the purposes of developing the 2018 budget.

Another step forward that was driven by this committee was ensuring fulfillment of the legal requirements in regard to publicizing information. A document reception office (oficina de partes) was set up, which will become operational during the first half of 2018. With regard to a platform directed at our stakeholders, we began to make changes to the current website and the Coordinator will have a completely new high-quality website in 2018. We also launched the Coordinator's mobile app in late 2017.

In the area of communications, the committee coordinated the development of a manual for communications during crisis situations during the first half of 2018 and conducted a study on stakeholders' perceptions in four cities.

Another important milestone was reached in October when the international seminar "The challenges of integrating the SIC and SING electricity systems: an analysis of international experiences" was held. It was attended by important coordinating organizations from the United States, Spain, Central America and Brazil.

Finally, in an effort to provide ongoing monitoring of activities and initiatives in Innovation and Development in order to implement the elements required by law, the committee promoted the creation of an I2D subcommittee. Its purpose is to propose internal activities and mechanisms that encourage an innovative culture in the Coordinator and to be open to initiatives that facilitate its connection to various spaces of innovation in Chile and abroad.

ELECTRICITY MARKETS COMMITTEE

The functions of this committee include supervising the financial operation of the electricity system and monitoring the market in regard to competition conditions and the fulfillment of the payment chain to the coordinated companies.

Over the course of the year, the Executive Director presented to the committee the main variables that impact the financial operation of the electricity system and then conducted a reasoned analysis using the data received. There was also a discussion of the application of the LNG technical standard and the LNG projection study for 2018 based on that same standard.

Another area of interest over the course of the year was the Coordinator's contribution to and position in the development of the various technical regulations and standards promoted by the National Energy Commission. Special attention was paid to regulations on the coordination of operations, complementary services, power adequacy, tariff harmonization, tariff equity, sub transmission application, Article 8 of the tax reform and transitory Article 25 of Law No. 20.936.

The committee also meticulously planned the auction and tender process for complementary services, which will go into effect in 2020. This included analyzing costs, competition conditions, auction processes and tender processes.

The creation of a competition monitoring unit was another measure that came out of this committee in response to the mandate that the Coordinator must fulfill this role beginning in July 2018. In addition to establishing its structure and functions, a manager and team were hired for this unit.

The simplification and automation of the calculation and reassessments processes also was important. The committee set a schedule for resolving pending issues with the participation of and dissemination among the coordinated companies.

The Coordinator has joined the Energy Intermarket Surveillance Group, an international agency that groups together the entities that monitor electricity market competition.

During the committee meetings, the KPIs associated with the financial operation of the electricity system were monitored and defined during the Coordinator's strategic planning process.

Finally, in the area of electricity markets, the Committee examined the discrepancies involving the Coordinator that were presented to the Electricity Services General Law Panel of Experts.

MANAGEMENT, RISK AND AUDITING COMMITTEE

This committee supports the Coordinator's public work by identifying, evaluating and managing internal risks and controls, supervising regulatory compliance and internal auditing processes.

This committee ensures that these matters are addressed by the divisions and receives regular reports from the Auditing and Compliance Unit, which reports directly to the Board of Directors. This unit is the successor to the Internal Auditing Unit, which the committee decided to strengthen with more responsibilities and staff.

In 2017, its work focused on helping to generate an organizational culture based on a regulatory compliance model. In addition to training the Coordinator's entire staff on the criminal responsibility of public officials, it encouraged the signing and approval of the Regulatory Compliance Policy.

Another action that supported the structuring of this Compliance Model was the drafting of the Coordinator's Code of Ethics, which was incorporated into the Internal Regulation on Order, Hygiene and Safety. The consultation and reporting channel was also established and the ethics committee was set up. This committee includes the Board Chairman, the Chairman of the management, risk and auditing committee, and a manager elected by the employees.

The management of technical audits was reviewed in order to identify how they can be improved. The committee also supervised the transfer of assets from its predecessors (CDEC-SING and CDEC-SIC) to the Coordinator, which are essential to the institution's functioning, as well as the procurement of land in the Enea area near Santiago airport, ready for setting up the Coordinator's future sole headquarters.

This year's budgetary execution was constantly monitored by the committee, as was the implementation of the sole public service role beginning in September 2017 in accordance with National Energy Commission Resolution No. 333/2017, which introduced the 2018 budget collection format.

A tender process was held, resulting in the hiring of the firm Deloitte to conduct the external audit of the financial statements and audited reports for 2017 and 2018, as required under the Electrical Services General Law. The committee also supervised the development and formatting of the first report and Annual Performance Report of the Electricity System and Service Security Levels for 2017 in accordance with the law.

Another aspect that the committee reviews are possible conflicts of interests of the leadership and key executives. No reports to that effect were made and no questions were asked in regard to the application of the Corporate Governance Code.

Labor risks were also frequently reviewed. The year 2017 closed without pending risks following the successful conclusion of collective bargaining with the SING union, which ended with the signing of the collective contract in November.

ELECTRICITY SYSTEM OPERATIONS COMMITTEE

This committee was set up to address the variables that influence both the operational safety and supply of the electric system. In addition, the committee monitors critical infrastructure projects and activities related to domestic and international electricity interconnections.

The committee played a key role in the successful interconnection of the SIC and SING systems, supervising the work carried out by the Coordinator's professional staff and the coordinated companies. This work was focused on technical analysis and monitoring both process milestones and schedule compliance, as well as coordination of the technical teams, training all of those involved and verifying the work on site.

In terms of electricity system operations, the committee paid special attention to any failures that occurred during the year. One case was the emergency that occurred in the northern system and which affected the Maitencillo and Cardones 220kV substations. The Committee ordered measures, such as corrective technical audits of the protection systems of those facilities, as well as a review of the service recovery plans for the affected area. It also mandated training for the operators of the regional coordinators in implementing those plans.

With respect to system supply security, while the analysis of monthly reports sent to the authority did not pinpoint any risks for the scenarios analyzed, the committee requested several studies from the technical teams to evaluate scenarios that could potentially be even more critical. The committee concluded that even in drier hydrological scenarios, there was no risk of lack of supply. Furthermore, based on the modification of the Lago Laja reservoir usage agreement between the Hydraulic Works Directorate and ENEL Generación Chile S.A., the committee requested an evaluation of its impact on operations in the short and long terms.

It also approved tenders for equipment and software procurement for critical infrastructure projects. For the interconnection of the SING and the SIC, the committee approved automatic generation control, SCADA platform integration and migration to the ABB platform, the WAM network and the future single platform (ELPROS network). The committee also signed off on the Protections Registry System (SIREP) and the Remote Protections Reading System (SLRP).

In addition, and given the importance of cybersecurity to the operation of the electricity system, an information security subcommittee was set up to review and propose actions to be taken in this area as well as to monitor their implementation. The subcommittee's first task was to prepare the Information Security Policy, followed by a survey and mapping of the Coordinator's information risks, which is expected to be finalized in the first months of 2018. Also, the subcommittee managed the creation of the Security Officer position, which will be tasked with developing and implementing internal rules and initiatives in this area for the Coordinator.

Technical audits constituted another area of analysis for the committee in 2017. The committee monitored corrective audits of protection systems for the Zaldívar 66kV, Chacaya 220kV, Cardones 220kV and Maitencillo 220kV substations; these audits are still underway. It also monitored the minimum technical parameters for the Guacolda plant and several thermal plants in the Norte Grande system.

BOARD OF DIRECTORS' COMPENSATION 2017

	JAN 2017 (UTM)	FEB 2017 (UTM)	MAR 2017 (UTM)	APR 2017 (UTM)	MAY 2017 (UTM)	JUN 2017 (UTM)	JUL 2017 (UTM)	AUG 2017 (UTM)	SEP 2017 (UTM)	OCT 2017 (UTM)	NOV 2017 (UTM)	DEC 2017 (UTM)	CUMULATIVE 2017 (UTM)
Germán Henríquez Véliz*	352	352	352	352	352	352	352	352	352	352	352	352	4224
Pilar Bravo Rivera	320	320	320	320	320	320	320	320	320	320	320	320	3840
Claudio Espinoza Moraga	320	320	320	320	320	320	320	320	320	320	320	320	3840
Andrés Alonso Rivas	320	320	320	320	320	320	320	320	320	320	320	320	3840
Jaime Peralta Rodríguez	320	320	320	320	320	320	320	320	320	320	320	320	3840

*Chairman of the Board of Directors
UTM: Monthly tax unit

2017 FINANCIAL STATEMENTS

as of December 31, 2017 and report of the independent auditors

Deloitte.

Deloitte
Auditores y Consultores Limitada
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Chile
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deloittechile@deloitte.com
www.deloitte.cl

INFORME DE LOS AUDITORES INDEPENDIENTES

Al Honorable Consejo Directivo del
Coordinador Independiente del Sistema Eléctrico Nacional

Hemos efectuado una auditoría a los estados financieros adjuntos de Coordinador Independiente del Sistema Eléctrico Nacional (en adelante "el Coordinador"), que comprende el estado de situación financiera al 31 de diciembre de 2017, y los correspondientes estados de resultados, de cambios en el patrimonio y de flujos de efectivo, por el año terminado en esa fecha, y las correspondientes notas a los estados financieros.

Responsabilidad de la Administración por los estados financieros

La Administración es responsable por la preparación y presentación razonable de estos estados financieros de acuerdo con Normas Internacionales de Información Financiera para Pequeñas y Medianas Entidades (NIIF para las Pymes) emitidos por el International International Accounting Standards Board ("IASB"). Esta responsabilidad incluye el diseño, implementación y mantención de un control interno pertinente para la preparación y presentación razonable de estados financieros que estén exentos de representaciones incorrectas significativas, ya sea debido a fraude o error.

Responsabilidad del auditor

Nuestra responsabilidad consiste en expresar una opinión sobre estos estados financieros a base de nuestra auditoría. Efectuamos nuestra auditoría de acuerdo con normas de auditoría generalmente aceptadas en Chile. Tales normas requieren que planifiquemos y realicemos nuestro trabajo con el objeto de lograr un razonable grado de seguridad que los estados financieros están exentos de representaciones incorrectas significativas.

Una auditoría comprende efectuar procedimientos para obtener evidencia de auditoría sobre los montos y revelaciones en los estados financieros. Los procedimientos seleccionados dependen del juicio del auditor, incluyendo la evaluación de los riesgos de representaciones incorrectas significativas de los estados financieros, ya sea debido a fraude o error. Al efectuar estas evaluaciones de los riesgos, el auditor considera el control interno pertinente para la preparación y presentación razonable de los estados financieros de la entidad con el objeto de diseñar procedimientos de auditoría que sean apropiados en las circunstancias, pero sin el propósito de expresar una opinión sobre la efectividad del control interno de la entidad. En consecuencia, no expresamos tal tipo de opinión. Una auditoría incluye, también, evaluar lo apropiadas que son las políticas de contabilidad utilizadas y la razonabilidad de las estimaciones contables significativas efectuadas por la Administración, así como una evaluación de la presentación general de los estados financieros.

Consideramos que la evidencia de auditoría que hemos obtenido es suficiente y apropiada para proporcionarnos una base para nuestra opinión de auditoría con salvedades.

Base para la opinión con salvedades

Según se explica en la Nota 20 a los estados financieros de la entidad, existe una solicitud pendiente de respuesta por parte del Servicio de Impuestos Internos. Debido a lo anterior, la Administración del Coordinador decidió no registrar la provisión de impuesto a las ganancias y activos por impuestos diferidos, por un monto de M$2.110.967 y M$443.273 respectivamente, de acuerdo lo establecido en la Sección 29 Impuesto a las Ganancias de NIIF para las Pymes.

Opinión

En nuestra opinión, excepto por los posibles efectos del asunto mencionado en el párrafo anterior de la "Base para la opinión con salvedades", los mencionados estados financieros presentan razonablemente, en todos sus aspectos significativos, la situación financiera de Coordinador Independiente del Sistema Eléctrico Nacional al 31 de diciembre de 2017, los resultados de sus operaciones y los flujos de efectivo, por el año terminado en esa fecha, de acuerdo con Normas Internacionales de Información Financiera para Pequeñas y Medianas Entidades (NIIF para las Pymes).

Otros asuntos

En diciembre de 2017, el Coordinador solicitó pronunciamiento al Servicio de Impuestos Internos y que a la fecha se encuentra pendiente de resolución por parte de dicho servicio, el cual tiene por objeto, en términos generales, confirmar que: a) el Coordinador al no tener rentas gravadas de Primera Categoría, no queda gravado al impuesto de primera categoría, ni a la obligación del artículo 84 de la LIR de enterar pagos provisionales mensuales, y b) que las actividades que realiza el Coordinador se encuentran afectos al Impuesto a las Ventas y Servicios del Decreto Ley N°825, en virtud del N°1 del artículo 2 de dicho decreto.

Febrero 26, 2018
Santiago, Chile

Juan Carlos Cabrol Bagnara
Socio

COORDINADOR INDEPENDIENTE DEL SISTEMA ELECTRICO NACIONAL

ESTADO DE SITUACION FINANCIERA
AL 31 DE DICIEMBRE DE 2017
(Cifras en miles pesos - M$)

ACTIVOS	**Nota** N°	**31.12.2017** M$
ACTIVOS CORRIENTES		
Efectivo y equivalentes al efectivo	5	9.108.605
Deudores comerciales y otras cuentas por cobrar	6	1.519.749
Activos por impuestos corrientes	9	581.188
Total activos corrientes		11.209.542
ACTIVOS NO CORRIENTES		
Deudores comerciales y otras cuentas por cobrar	6	56.643
Propiedades, planta y equipo	7	839.649
Activos intangibles distintos de la plusvalía	8	722.034
Total activos no corrientes		1.618.326
TOTAL ACTIVOS		12.827.868

Las notas adjuntas forman parte integral de estos estados financieros

PASIVOS Y PATRIMONIO NETO	Nota N°	31.12.2017 M$
PASIVOS CORRIENTES		
Cuentas por pagar comerciales y otras cuentas por pagar	10	2.620.821
Provisiones corrientes por beneficios a los empleados	11	2.573.578
Otras provisiones	12	963.010
Total pasivos corrientes		6.157.409
PATRIMONIO NETO		
Resultados acumulados		6.670.459
Total patrimonio neto		6.670.459
TOTAL PASIVOS Y PATRIMONIO NETO		12.827.868

MANAGEMENT INDICATORS COMPLIANCE REPORT
(AS OF DECEMBER 31, 2017)

Deloitte.

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Febrero 26, 2018

Señores
Coordinador Independiente Del Sistema Eléctrico Nacional
Presente

Hemos efectuado los procedimientos que se describen a continuación, los cuales fueron acordados con el Coordinador Independiente Del Sistema Eléctrico Nacional (en adelante el "Coordinador"), solo para asistirlos en ciertos acuerdos alcanzados por el Coordinador. Este trabajo de procedimientos acordados, fue efectuado de acuerdo con normas de atestiguación para procedimientos acordados sección AT201, establecidas en Chile. La suficiencia de estos procedimientos es de exclusiva responsabilidad de la Administración de Coordinador Independiente Del Sistema Eléctrico Nacional. En consecuencia, no hacemos representación alguna sobre la suficiencia de dichos procedimientos, tanto para el propósito para el cual se ha requerido este informe o para cualquier otro propósito.

Nuestros procedimientos e indagaciones no constituyen una auditoría de acuerdo con normas de auditoría generalmente aceptadas en Chile. Por lo tanto, en este informe no expresamos una opinión sobre cualquier información financiera y otra información incluida o referida en este informe. Además, los procedimientos e indagaciones que efectuamos de acuerdo a vuestros requerimientos, pueden no comprender todos los temas relacionados o que pudieran ser pertinentes o necesarios para efectuar los análisis y revisiones antes mencionadas. En consecuencia, no hacemos ninguna representación con respecto a la suficiencia de los procedimientos convenidos con ustedes para vuestros propósitos.

En el Anexo A adjunto, se detallan los procedimientos acordados, los procedimientos realizados y nuestras conclusiones. En el Anexo B adjunto, se muestra un cuadro resumen del cumplimiento global de cada uno de los KPI.

Saludamos atentamente a ustedes,

Juan Carlos Cabrol B.
Socio

ANEXO A - RESULTADOS OBTENIDOS

Como resultado de la revisión de los procedimientos convenidos con Coordinador Independiente Del Sistema Eléctrico Nacional, a continuación, presentamos el detalle de los procedimientos realizados y nuestras conclusiones:

1. Evaluación del grado de cumplimiento anual de los indicadores de gestión

Procedimientos convenidos

- Solicitar los indicadores de gestión establecidos por el Coordinador.
- Tomar conocimiento y efectuar evaluaciones de la razonabilidad de la metodología utilizada para determinar los indicadores de gestión.
- Realizar evaluación del grado de cumplimiento anual de los indicadores de gestión establecidos por el Coordinador:

  - Verificar el cumplimiento porcentual del indicador normativo respecto del valor establecido como Target.
  - Verificar el cumplimiento de estado de avance del programa diseñado (avance real vs programado).

Procedimientos realizados

- Tomamos conocimiento y efectuamos evaluaciones de la razonabilidad de la metodología utilizada para determinar los indicadores de gestión a octubre de 2017.

- Logramos entendimiento de los 29 objetivos estratégicos de la dimensión;

  - Resultados (12 KPI)
  - Clientes (5 KPI)
  - Procesos (9 KPI)
  - Personas / Aprendizaje (3 KPI)

- Realizamos evaluación del grado de cumplimiento anual de los indicadores de gestión:

  - Verificamos el cumplimiento porcentual del indicador normativo respecto del valor establecido como Target.
  - Verificamos el cumplimiento de estado de avance del programa (avance real vs programado).

Conclusión

Los 29 indicadores de gestión a diciembre de 2017, tienen un cumplimiento superior al 90%, por lo cual se considera que dan cumplimiento a lo programado.

ANEXO B – RESUMEN CUMPLIMIENTO KPI (ANUAL)

La siguiente tabla muestra un cuadro resumen del cumplimiento global de cada uno de los KPI (Anual).

KPI	Real vs Programado			Avance
1.1 Frecuencia.	99,60%	vs	100%	Cumple
1.2 Tensión.	100%	vs	100%	Cumple
1.3 Frecuencia Media de Interrupción.	100%	vs	100%	Cumple
1.4 Tiempo Medio de Interrupción.	100%	vs	100%	Cumple
1.5 Energía No Suministrada.	90,60%	vs	100%	Cumple
1.6 Congestión Anual de la Red.	100%	vs	100%	Cumple
1.7 Costo de Operación del Sistema.	100%	vs	100%	Cumple
1.8 Presupuesto.	91,50%	vs	100%	Cumple
1.9 Eficacia en los Pronósticos.	100%	vs	100%	Cumple
1.10 Licitaciones Tx (1).	100%	vs	100%	Cumple
1.11 Licitaciones Tx (2).	100%	vs	100%	Cumple
2.1 Encuesta Reputacional (índice consolidado).	100%	vs	100%	Cumple
3.1 Tasa de Reclamos Coordinados.	100%	vs	100%	Cumple
3.2 Índice de Satisfacción de Clientes (encuesta, orientada a clientes en general).	100%	vs	100%	Cumple
3.3 Costo Administración Coordinador.	100%	vs	100%	Cumple
4.1 Tasa de Reclamos (TR) en Solicitudes de Transparencia.	100%	vs	100%	Cumple
4.2 OTIF de Reportes (Reportes en Tiempo y Forma).	100%	vs	100%	Cumple
5.1 Índice de Satisfacción de Clientes (Encuesta, orientada a Coordinados).	100%	vs	100%	Cumple
5.2 Tasa de Cumplimiento de Instrucciones a Coordinados (1)	97,40%	vs	100%	Cumple
5.3 Tasa de Cumplimiento de Instrucciones a Coordinados (2).	98,00%	vs	100%	Cumple
6.1 Disponibilidad Plataformas Críticas Coordinador.	100%	vs	100%	Cumple
6.2 Disponibilidad Plataformas Críticas (TI).	100%	vs	100%	Cumple
6.3 Cumplimiento Programa Desarrollo de Plataformas (CDC).	99,00%	vs	100%	Cumple
7.1 Cumplimiento Programa de Procesos Críticos Homologados y Documentados (certificados)	98,00%	vs	100%	Cumple
8.1 Cumplimiento en Tiempo y Forma de Hitos del Plan Interconexión.	99,00%	vs	100%	Cumple
8.2 Frecuencia Promedio de Interrupciones No Programadas Durante PES.	100%	vs	100%	Cumple
9.1 Mejora en Evaluación Consolidada de Competencia Técnica y No Técnicas.	100%	vs	100%	Cumple
10.1 Mejoras en Evaluación de Atributos Escogidos de Cultura (ej: Innovación).	97,50%	vs	100%	Cumple
11.1 Ranking Great Place to Work.	97,50%	vs	100%	Cumple

3

SENIOR MANAGEMENT

The mission of senior management is to carry out the agreements and directives adopted by the Board of Directors, manage the technical and administrative functioning of the entity, and submit proposals to the Board regarding the Coordinator's organizational structure and other matters delegated to it by the Board.

MANAGEMENT TEAM

1. **DANIEL SALAZAR J.**
Executive Director
Electrical Engineer,
Universidad Técnica Federico Santa María.

2. **ERNESTO HUBER J.**
Operations Manager
Electrical Engineer,
Universidad de Chile.

3. **RODRIGO BARBAGELATA S.**
Markets Manager
Industrial Engineer,
Pontificia Universidad Católica de Chile.

4. **JUAN CARLOS ARANEDA T.**
Transmission Planning Manager
Electrical Engineer,
Universidad Técnica Federico Santa María.

5. **GABRIEL CARVAJAL M.**
Engineering and Projects Manager.
Industrial Engineer,
Universidad de Chile.

6. **RAFAEL CARVALLO C.**
Technology and Innovation Manager.
Electrical Engineer,
Universidad Técnica Federico Santa María.

7. **DANIELA GONZÁLEZ D.**
Legal Affairs Manager.
Attorney,
Universidad de Chile.

8. **LEONOR PODUJE C.**
Administration and Budget Manager.
Business Degree,
Universidad de Chile.

A YEAR MARKED BY THE ESTABLISHMENT OF A NEW ORGANIZATION AND THE HISTORIC INTERCONNECTION

The mission of guaranteeing operational continuity of the Central and Norte Grande interconnected systems, designing and establishing the new organizational structure, and uniting the systems to create the national electricity system formed a major part of the activities of the National Electricity Coordinator's management. The definition of new roles, responsibilities and governance, as well as commissioning studies and analysis, accompanied by numerous decisions regarding technological systems and platforms, occurred throughout the year. Finally, on November 21, 2017, a historic event occurred: the much-anticipated joint operation of the SING and SIC systems.

PEOPLE, OUR GREATEST CAPITAL

The launch of the National Electricity Coordinator, formalized on January 1, 2017, required a substantial leadership and management effort to create the foundations that support the organization.

The institution's people are its greatest capital and will ensure its future success. Therefore, a key priority was development and cultural integration of the professional and specialist staff from the CDECs that preceded the Coordinator, and this will continue in 2018.

The first half of 2017 saw progress in consolidating the work begun in 2015 to integrate staff who were part of the CDECs for the two systems and to create the new organizational structure of the Coordinator. Under the leadership of senior management, and taking into consideration the opinions of the workers through an internal consultation process, the new structure for the institution was defined.

The structure has eight divisions and two staffing units, all of which report to senior management. The divisions are further divided among those who participate directly in the Coordinator's processes (Operations, Markets, Engineering and Projects and Transmission Planning) and the cross-cutting staff, who provide support for other important work of the organization: Technology and Innovation, Legal Affairs, Human Resources, and Administration and Budget.

Meanwhile, the Board of Directors directly supervises the following units: Competition Monitoring, Management Audit and Control, Public Relations and Institutional Relations.

THE YEAR OF INTERCONNECTION

The Operations Division played a key role in achieving this much-anticipated objective. Its main focus throughout the year was ensuring the security of the SING and SIC systems while developing the new national system, with simultaneous commissioning of the facilities required to integrate both systems. This involved rigorous review of background information and impact studies presented by the companies responsible for the projects associated with the interconnection, along with various operational studies to anticipate the conditions that would occur after the interconnection.

Another aspect that required a great deal of attention was the development of a single operations programming process, based on those existing in the SING and the SIC systems, since both systems had historically developed in response to their particular needs. The challenge was to achieve pre-dispatch through correct valuation of water from reservoirs and an appropriate solution to the unit commitment problem in a hydrothermal system with a growing presence of NCRE, in line with the operating restrictions of the new system.

The solution reached was based on use of the PLP model (for medium- and long-term planning), combined with PLEXOS hydrothermal modeling software, both of which are run on a daily basis. All of this translated into more efficient management of water resources in comparison with the weekly process used in the SIC previously.

To address the challenge of operating the new system in real time, throughout the year a specific training program was implemented for the Dispatch and Control Center, and this was extended to supervisors of the Transelec companies' Control Centers, TEN and Interchile, responsible for the new facilities associated with the interconnection.

Along with the contributions of the Technology and Innovation Division, work was done to integrate the IT systems of the old CDECs, particularly in the SCADA Network Manager platform, which provides real-time, secure, and

economical coordination of electricity generation and transmission.

The SCADA platforms used by the former entities were provided by different suppliers, and in addition to that, there was a need to migrate data to the latest version of the platform without affecting the integrity of the electricity service. Although this migration had to be completed by June 2018, by the end of 2017 all of the Norte Grande signals were configured in the migrated platform, and 60% of these signals were integrated with the coordinated companies.

Another technological development implemented was the startup of the automatic generation control (AGC) service on the SCADA platforms of each electricity system. This was initially done separately and subsequently combined in an integrated structure--both hierarchical and parallel--upon interconnection, for a successful transition of this control function.

In addition, progress was made in expanding the monitoring system's WAM network, through the commissioning of numerous pieces of phasor measurement and data concentration equipment. These have contributed valuable information on system dynamics, especially since the energization and synchronization of facilities associated with the interconnection.

The Markets Division, meanwhile, contributed to the interconnection effort by developing unique processes for calculating national tolls, power sufficiency, and transfer balances of energy and power. In addition, relevant criteria were combined to calculate the marginal costs of energy, with the agreement of the coordinated companies.

In this context, a new methodology and web system for determining cost and fuels availability information were implemented in 2017. This prepares each company to comply with the regulations related to costs and fuels availability, thereby ensuring that the National Electricity Coordinator has reliable and accurate information to carry out its functions.

FUTURE DEVELOPMENT: EXPANSION AND ELECTRICITY TRANSMISSION TENDERS

One of the National Electricity Coordinator's ongoing challenges is contributing to the country's energy development through

defining and installing the transmission facilities needed to sustain the open, efficient, and secure functioning of the electricity system.

One of the key milestones in this area was the first annual transmission planning process carried out by the Transmission Planning Division, in accordance with the provisions of Law 20,936, After analyzing the behavior of anticipated power flows in segments of the system and possible expansion requirements, the Coordinator defined 17 zone projects, with a total budget of US$99 million, and four projects in the national system with a total cost of US$478 million. Notable among these is the new 500kV line south from Concepción and the Nueva Taltal 500/220 kV substation.

Meanwhile, in December the first Available Technical Capacity Study for dedicated transmission facilities was issued. This report not only promotes open access to transmission facilities throughout Chile and facilitates competition among agents, but also provides key information for the industry regarding the location of new generation projects by identifying the potential use of transmission lines, as well as for new demand projects.

Also issued that month was the Transmission System Integrity Study (EIST-2017), which indicates the maximum short-circuit levels for the 220 kV and higher electricity network of the national electricity system, from 2018 to 2021. This assessment and forecast provides information about potential limitations that can be considered in the planning or location of new transmission or generation projects, and also provides reference values for development and specification of primary equipment, electricity facilities, or substation engineering design.

In addition, in 2017 tender processes were opened for transmission facilities mandated under the previous electricity law, along with the beginnings of the first tender processes under the new regulatory regime for the sector.

In June, meanwhile, and under the leadership of the Engineering and Projects Division, the contract for the construction of new facilities included in Decree 373 of 2016 was awarded. These facilities include, among others, the Nueva Pozo Almonte 220 kV sectioning substation; a new 1750 MVA 500/220 kV transformer bank in the Nueva Cardones, Nueva Maitencillo and Nueva Pan de Azúcar substations; the Nueva Maitencillo–Punta Colorada–Nueva Pan de Azúcar 2220 kV line, 2500 MVA; and the Nueva Lampa 220 kV sectioning substation.

Also, and as a result of the enactment of Exempt Decree 418 of 2017, in November the tender terms and conditions were released for expansion works and new zonal works. These terms and conditions were prepared by the National Electricity Coordinator in accordance with the provisions of Exempt Resolution 269 of 2017. The tender included 98 projects to be awarded in 2018 (31 new zonal works and 67 zonal expansion works) with a total investment amount of US$1 billion.

In addition, in October 2017 a tender was issued for new national transmission projects as established in Exempt Decree 422 of 2017, corresponding to another eight projects with a total investment amount of US$300 million.

To attract a large number of bidders in both processes, several informational campaigns were launched both in Chile and abroad, particularly in the months of September and October. Moreover, this division implemented a special platform for tenders to improve efficiency in the management of these processes.

INNOVATION: A KEY FOCUS FOR SYSTEM TRANSFORMATION

A key focus for guaranteeing more secure and economical operation of the national electricity system is continuous stimulation of innovation and research and development (I2D) processes within the Coordinator. In 2018, this area will become a new function to be carried out by the institution, given its strategic nature. The goal is to contribute to modernizing energy systems through critical analysis of system performance and the electricity market, incorporation of new technologies, and promoting research in Chile, among other actions.

> UN DESAFÍO PERMANENTE DEL COORDINADOR ELÉCTRICO NACIONAL ES APORTAR AL DESARROLLO ENERGÉTICO DEL PAÍS

In 2017, the Coordinator was focused on preparing for taking on this responsibility and generating a culture of innovation within the organization. For this, the Technology and Innovation Division designed and initiated an innovation management model that establishes an ongoing value creation process within the Coordinator's daily activities. This practice, which will be implemented as of 2018, is characterized by capacity building and applying methodologies that promote innovation in all activities, focused on facilitating the generation and implementation of new ideas for anticipating new developments. This way, the Coordinator's staff can add measurable and ongoing value in the fulfillment of its role and functions.

Meanwhile, the organization has generated new tools and models that contribute to its management. For example, given the challenge implied by greater insertion of solar and wind power into the real-time planning and operation of the national electricity system, a project was launched to improve the models used for hydrothermal coordination. This includes forecasts and monitoring of flows and the medium-term optimization of hydrothermal resources to address a greater demand for flexibility.

To complement that effort, a contract was signed for the development of a new short-term flow-forecasting system for the hydroelectric plants of greatest importance to the operation of the electricity system. This new methodology will go into effect in June 2018, and includes using physical models of the basins to internalize their topological characteristics, using meteorological models to anticipate increases in flows, and generating scenarios to model water uncertainty, among other aspects.

Another area of innovative experience occurred in October with the successful development of a capacity evaluation test for a photovoltaic plant to provide complementary services. This was the first time such an event has taken place in Latin America and the second instance internationally. This was a joint project between the Coordinator, the company First Solar and ENGIE Laborelec International Research Center, and it resulted in an objective and accurate assessment of the capacity of a photovoltaic plant to provide shared services such as rapid frequency control (synthetic inertia response) and rapid voltage control (STATCOM response type) as well as a simulation of the connection from the plant to automatic generation control.

NEW MANAGEMENT MODELS AND PROCESSES

During the year, the various Coordinator divisions made a series of technical and methodological contributions to improving the work flow of the organization and coordinated companies.

To fulfill the provisions of the annexes of Technical Regulations on Security and Service Quality, which went into effect in 2018, a series of initiatives were launched to determine the operational parameters of generation plants in regard to maximum power, technical minimums, and parameters for start-up and shutdown.

Another substantial contribution for interaction with companies subject to coordination was the construction of a Single Coordinated Entities Register, a process carried out by the Legal Affairs Division. This register contains all of the legal information regarding the companies that are part of the national electricity system, allowing for greater efficiency and agility in the flow of information to and from the Coordinator.

This division also worked on the design and development of all of the legal instruments associated with implementation of the transmission works tender, as well as preparation of the tender terms and conditions, definition and guidelines for the principal legal-administrative aspects to be considered in those processes. As part of these tasks, a set of specialized legal consultancies were provided to evaluate the main legal risks, with an emphasis on the area of free competition, in order to adopt the recommendations and safeguards needed to finalize those processes without legal contingencies and within the established timeframes.

Another project undertaken during the year was providing the Coordinator with key legal guidelines for effective administrative management, through the development and implementation of new instruments and tools for procurement and contracting of goods and services by the Coordinator, incorporating a process for verifying the background of politically exposed persons.

Another key aspect for the organization during the year was related to aspects of administrative and budget management, led by the Administration and Budget Division.

In this sense, management led the process of developing the first budget for the Electricity Coordinator, which was presented to the National Energy Commission on July 18 and approved in mid-August.

Another significant element, led by the same division, was the start of a new financial regimen for the Coordinator. This involved application of the Public Service Position mechanism that will finance the work of the Coordinator starting in 2018 and which differs substantially from that used by the former CDECs. Finally, the Administration and Budget Division presented the entity's first financial statements, for the 2017 fiscal year to the Board of Directors for audit and approval.

TRANSPARENCY AND CITIZEN SERVICES

Transparency is one of the five principles that guide the work of the National Electricity Coordinator.

For the institution, this principle applies to meeting demands for information as required by the Electricity Law, as well as to its actions and the publication of information.

We believe that transparency is an important condition for the proper functioning of the electricity market and appropriate relations with our key audiences.

In this context, our website provides two service channels: The first one is the Information Access (Acceso de Información) mailbox, as required by the Electricity Law. The Coordinator must disclose all the information requested of it unless such information is confidential in nature. The second is the contact us (Atención Ciudadana) mailbox, provided by the Coordinator to receive questions, suggestions, and complaints regarding technical and general issues related with our institution.

The following graphics show how these channels functioned during 2017.

INFORMATION ACCESS REQUESTS

In 2017 we received a total of 411 information access requests, which largely touched on the following subjects:

21%	12%	9%	8%	8%
COORDINATED FACILITIES	OPERATIONS	STUDIES/REPORTS	WEBSITE / COORDINATED PLATFORMS	PROJECTS
7%	6%	6%	6%	5%
MARGINAL / VARIABLE COST	MARKET	DEMAND / GENERATION	SSG/SDG	REGULATIONS / RULES
4%	3%	3%	2%	
TRANSMISSION TENDER	PERSONNEL HIRING	TRANSFERS	FUELS	

GENERAL PUBLIC ENQUIRIES

	ENQUIRIES	SUGGESTIONS	COMPLAINTS	TOTAL
JAN – FEB -	10		01	11
MARCH				
APRIL – MAY -	02			02
JUNE				No information
JULY – AUGUST	32	01	04	
SEPT				37
OCT – NOV – DEC	31		02	33
TOTAL	**75**	**01**	**07**	**83**

4

NATIONAL ELECTRICITY SYSTEM

The national electricity system brings together all of Chile, from Arica to Chiloé. It is made up of an interconnected set of electricity generation plants, transmission lines, electrical substations, and distribution lines that generate, transport, and distribute electricity, and which have an installed generation capacity of at least 200 megawatts.

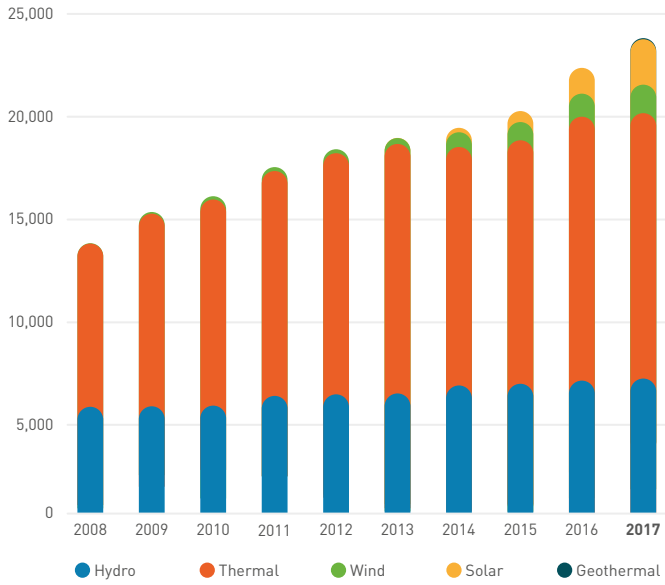
- SEN: National Electricity System
- SIC: Central Interconnected System
- SING: Norte Grande Interconnected System

The tables and figures in this chapter can be downloaded in Excel format. Simply click on them.

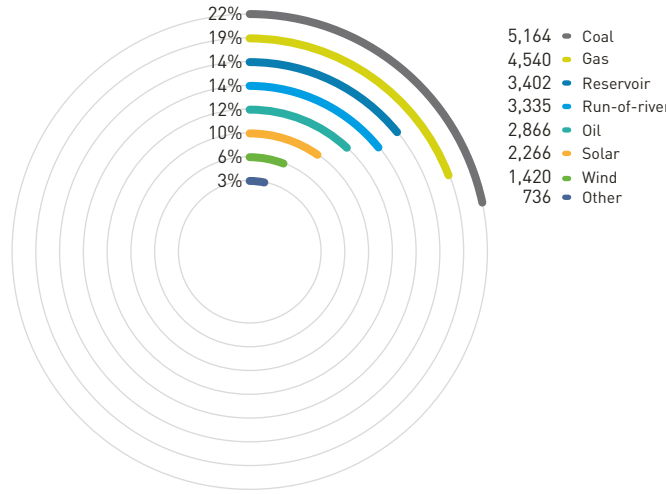
2008-2017 OPERATIONS

SEN INSTALLED CAPACITY

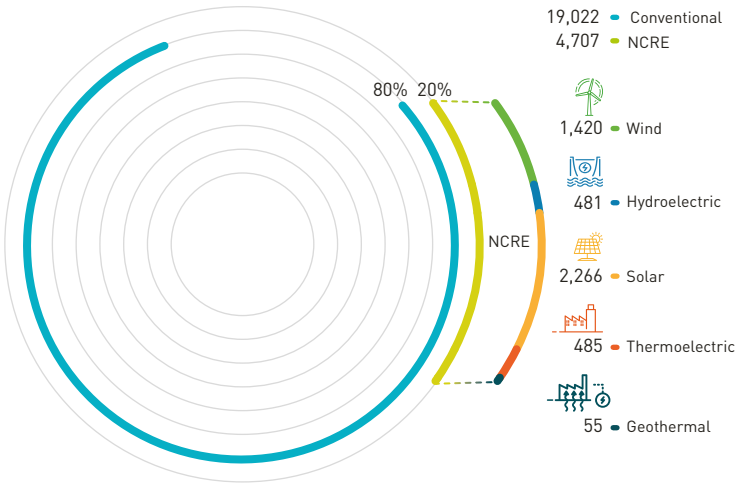
- **Evolution by Technology 2008-2017**
  (MW)



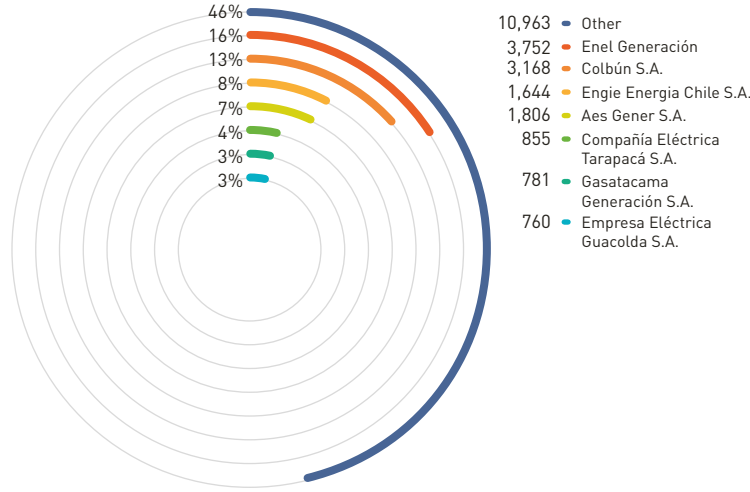
- **By Fuel Type, 2017**
  (MW)



- **NCRE Capacity, 2017**
  (MW)

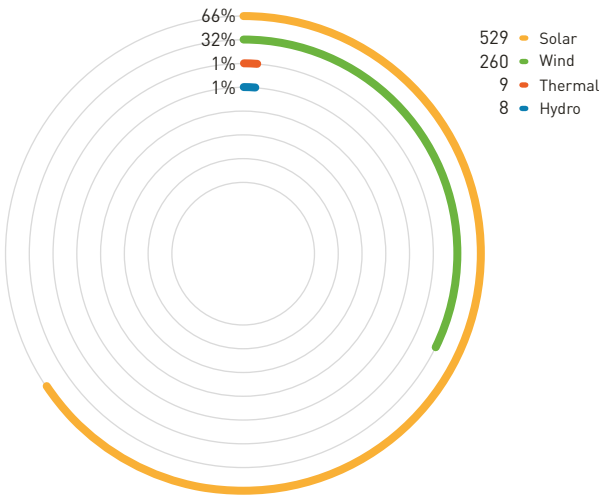


- **Total Coordinated Installed Capacity, 2017**
  (MW)



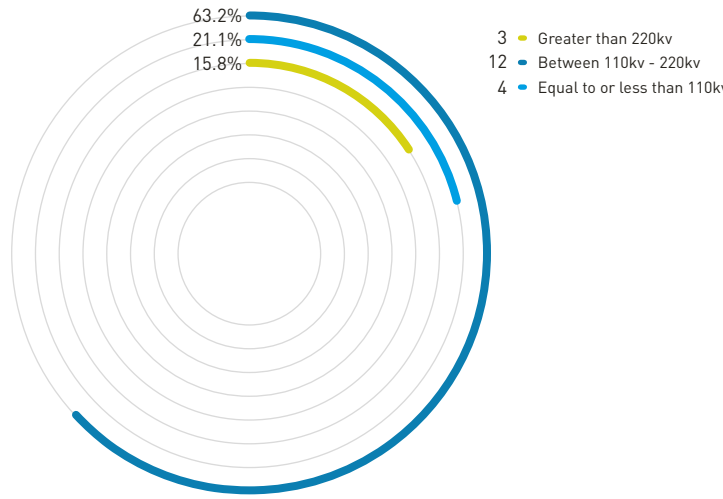
PROJECTS OPERATING

- **New Generation Facilities**
  (MW)



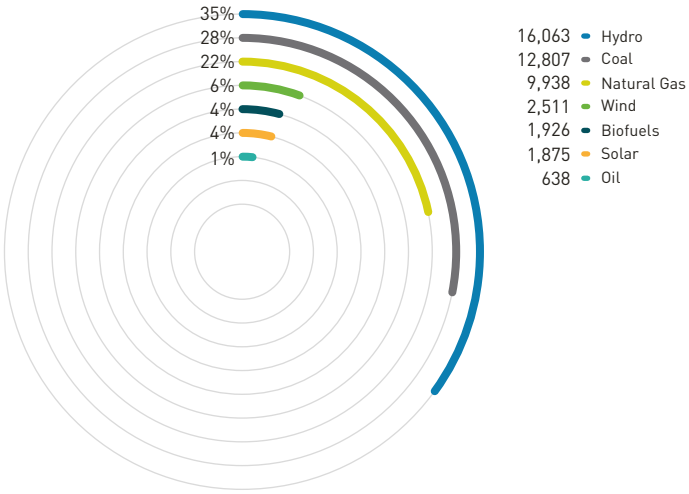
NO.	PROJECT	OWNER	INSTALLED CAP. (MW)	OPERATIONS START DATE
1	El Romero PVP	Acciona Energía Chile	196.0	03-Mar-17
2	Quilapilún (solar)	Chungungo	103.0	09-Mar-17
3	San Juan Wind Farm	San Juan	184.8	16-Mar-17
4	Finis Terrae (solar)	Enel Green Power del Sur S.A.	112.0	18-Apr-17

- **New Transmission Facilities**
  (No. of lines)

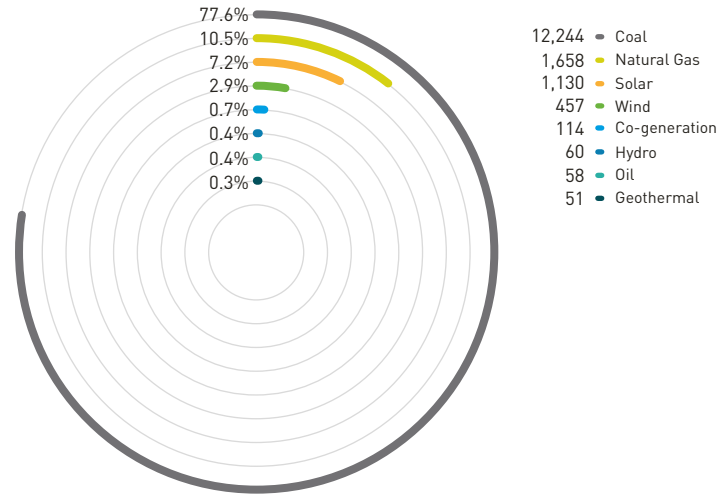


NO.	PROJECT	OWNER	OPERATIONS START DATE
1	220 kV Encuentro - Lagunas Trans. Line	Interchile	01-jun-17
2	2x220 kV 1500 MW Los Changos-Kapatur Trans. Line	Transelec	20-nov-17
3	Changos & Cumbre Substations and Expansion of Nueva Cardones Substation	TEN	24-nov-17
4	2x500 kV Los Changos-Cumbre-Nueva Cardones Trans. Line	TEN	24-nov-17

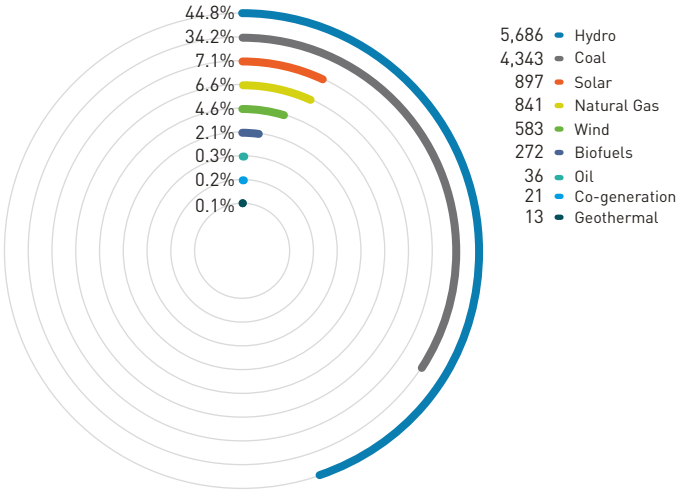
- **Generation by Fuel Type, SIC** (Jan-Oct. 2017) (GWh)



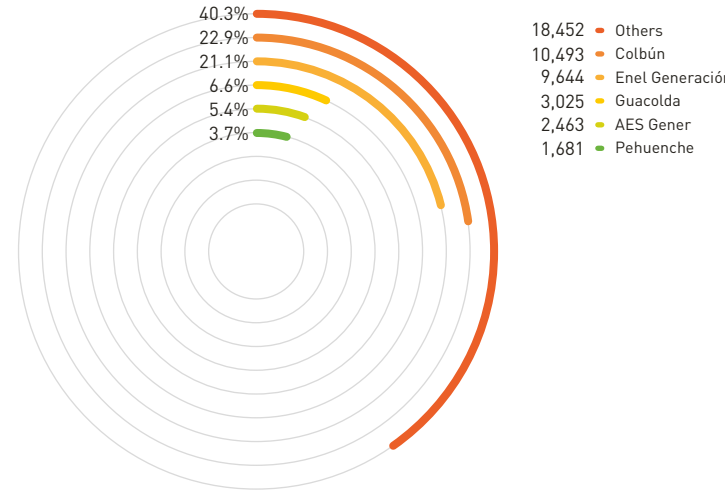
- **Generation by Fuel Type, SING** (Jan-Oct. 2017) (GWh)



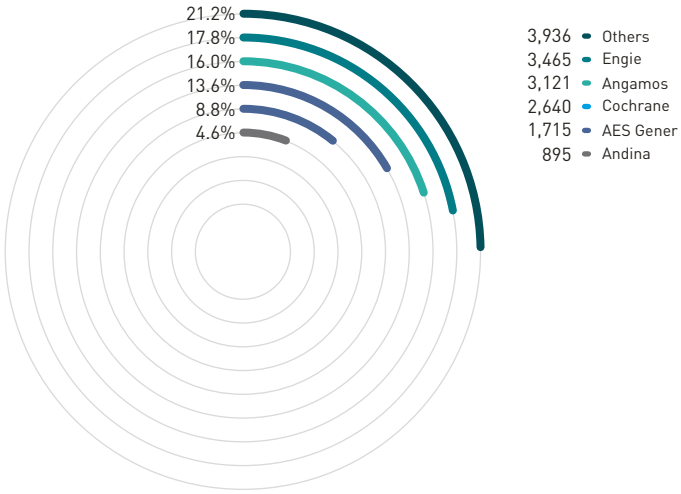
- **Generation by Fuel Type, SEN** (Nov-Dec. 2017) (GWh)



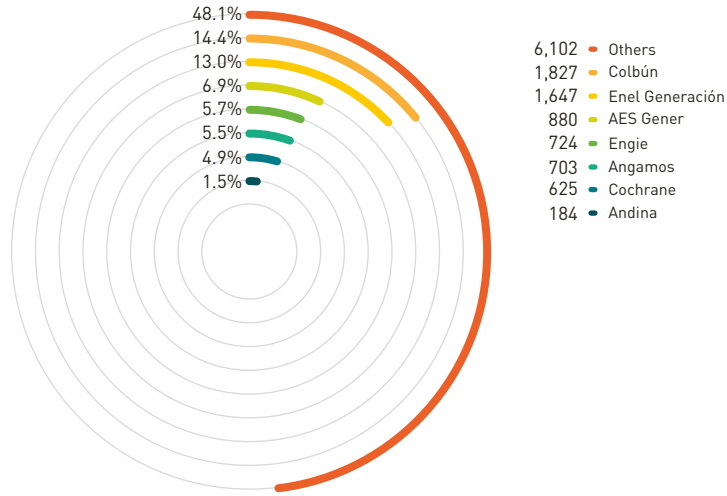
- **Power Generation by Company, SIC** (Jan-Oct. 2017) (GWh)



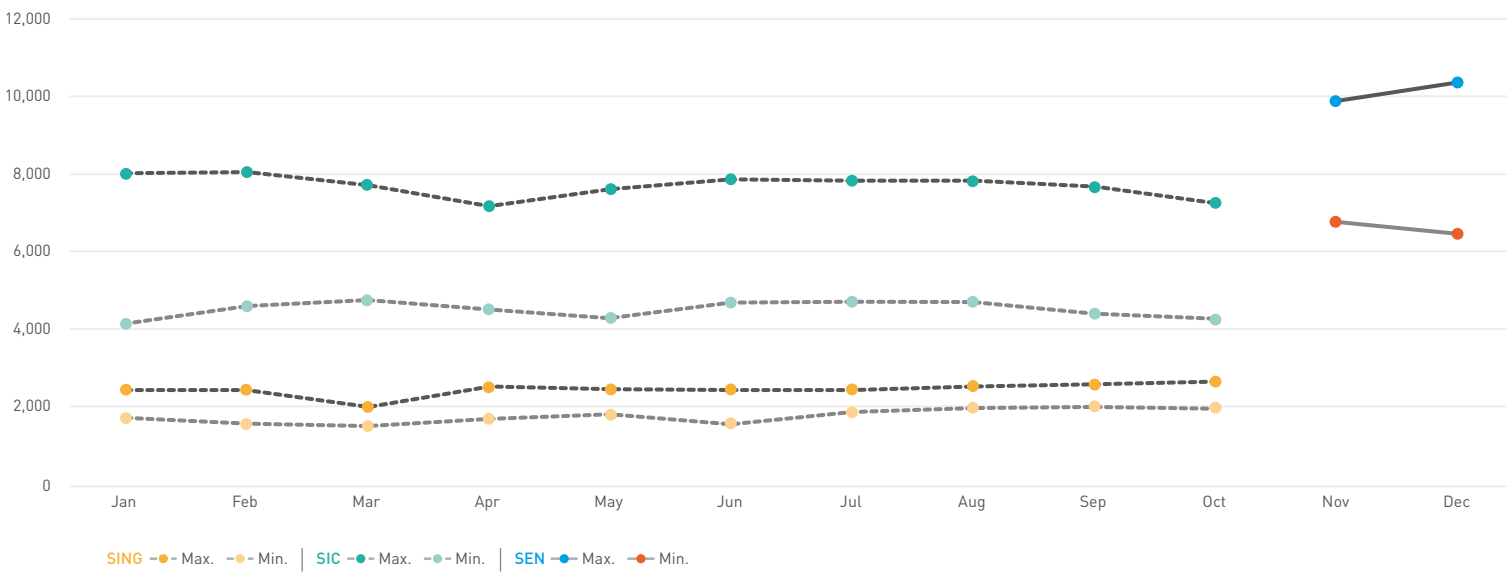
- **Power Generation by Company, SING** (Jan-Oct. 2017)
(GWh)



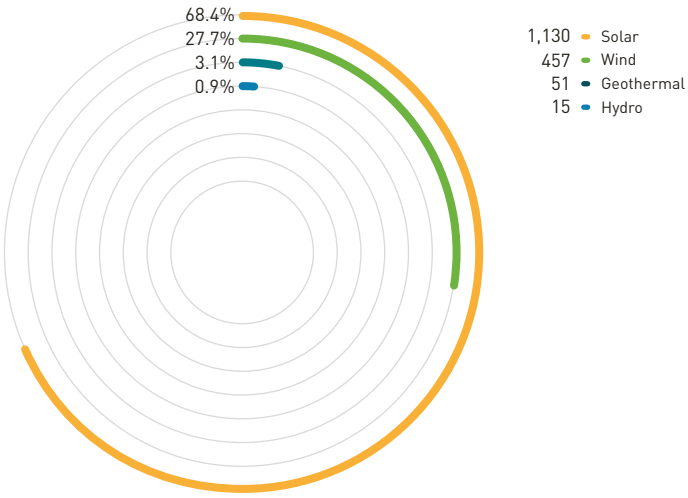
- **Power Generation by Company, SEN** (Jan-Oct. 2017)
(GWh)



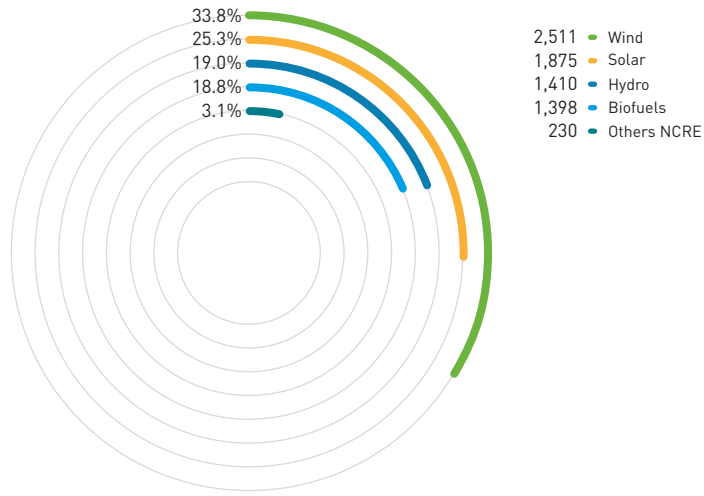
- **Evolution of Maximum and Minimum Demand**
(MW)



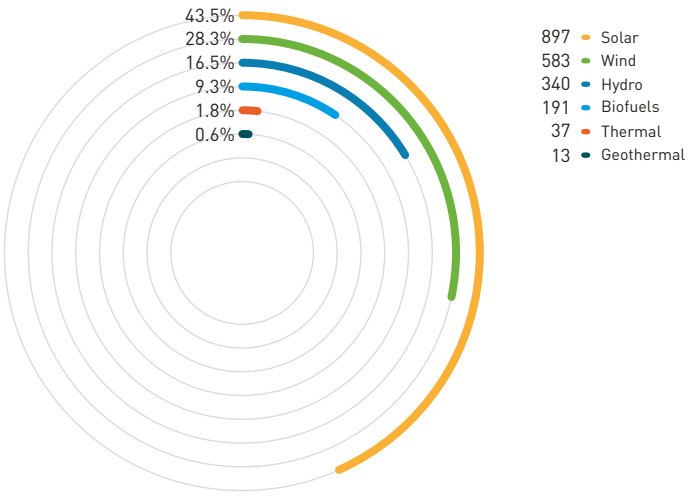
- **NCRE Generation SING** (Jan-Oct. 2017) (GWh)



- **NCRE Generation SIC** (Jan-Oct. 2017) (GWh)

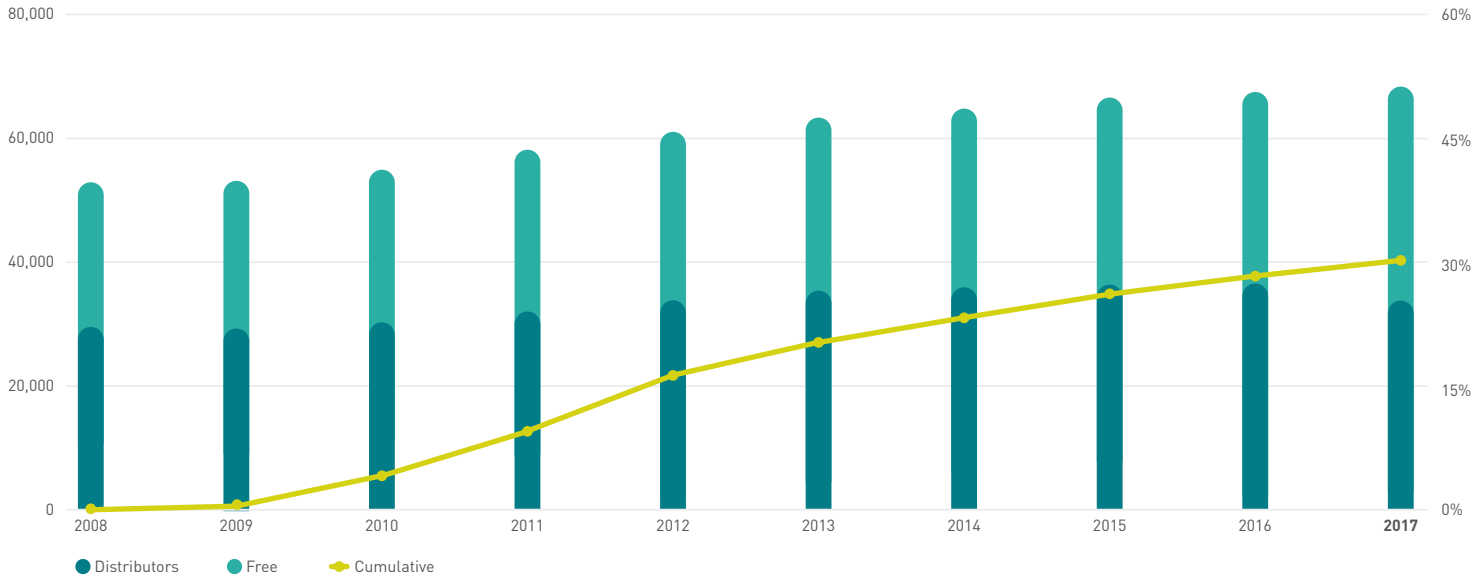


- **NCRE Generation SEN** (Jan-Oct. 2017) (GWh)



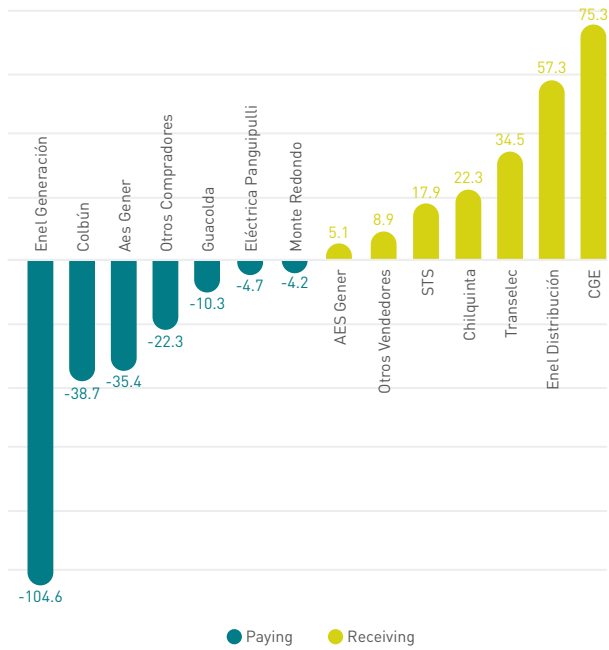
ANNUAL SALES

- **Sales to Customers**
  (GWh)

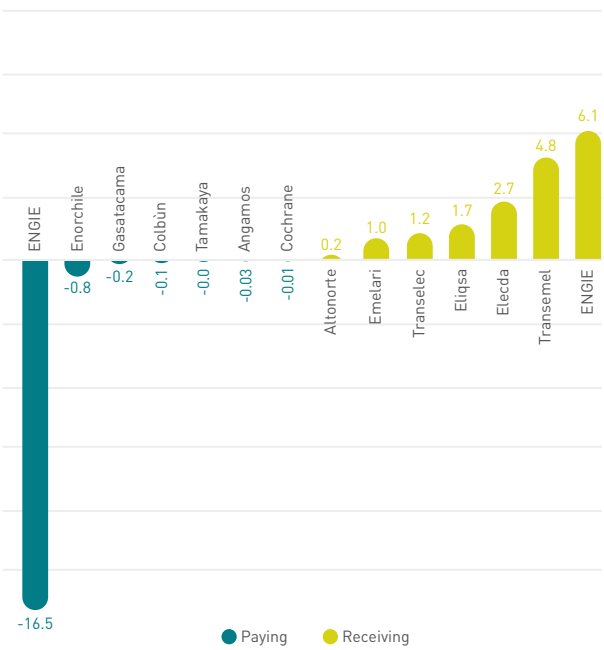


TRANSFERS

- **Zone Transmission Payments (Sub-transmission) 2017 SIC**
  Balance USD millions

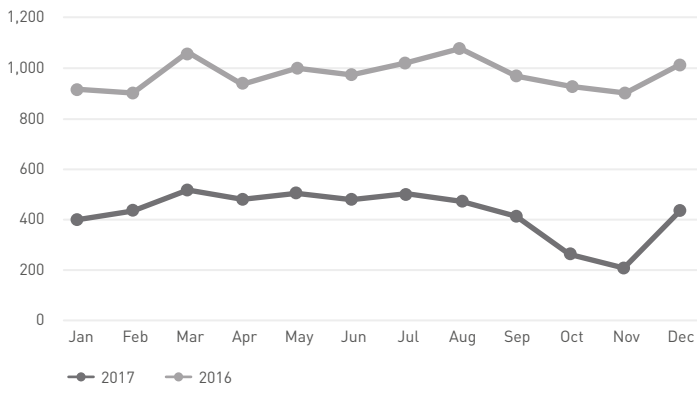


- **Zone Transmission Payments (Sub-transmission) 2017 SING**
  Balance USD millions

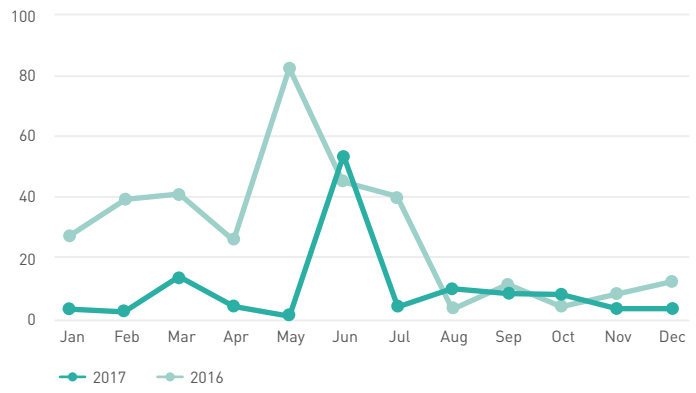


FUEL - INPUTS

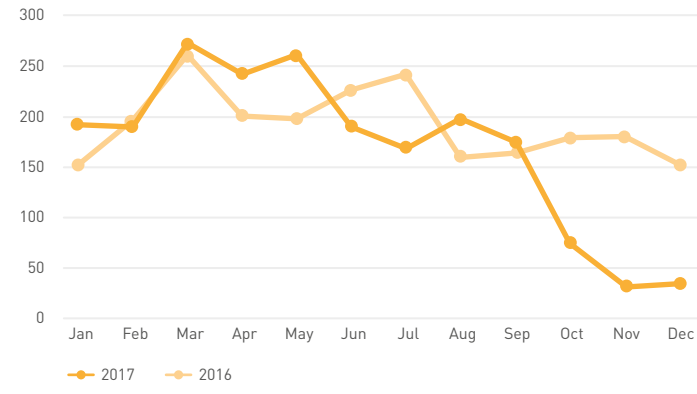
- **Coal Consumption** (Jan-Dec)
  Thousands of Tons



- **Diesel Consumption** (Jan-Dec)
  Thousands of Tons

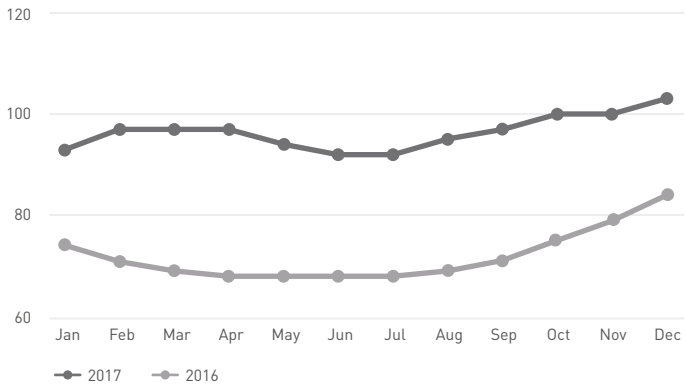


- **Natural Gas Consumption** (Jan-Dec)
  Thousands of Tons

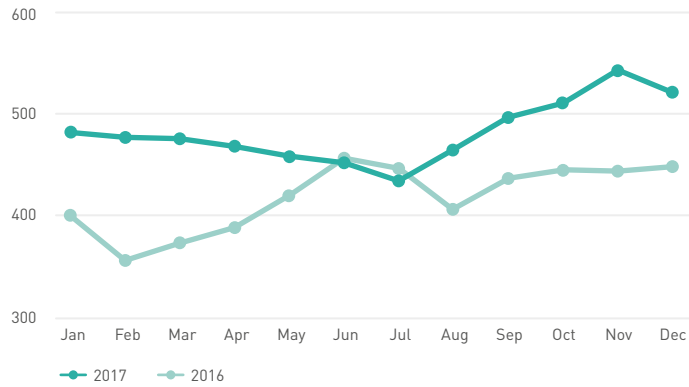


FUEL - PRICES

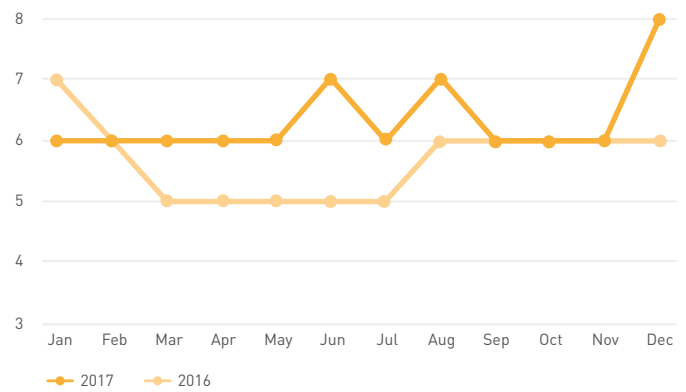
- **Coal Price** (Jan-Dec)
  USD/Ton



- **Diesel Price** (Jan-Dec)
  USD/m^3

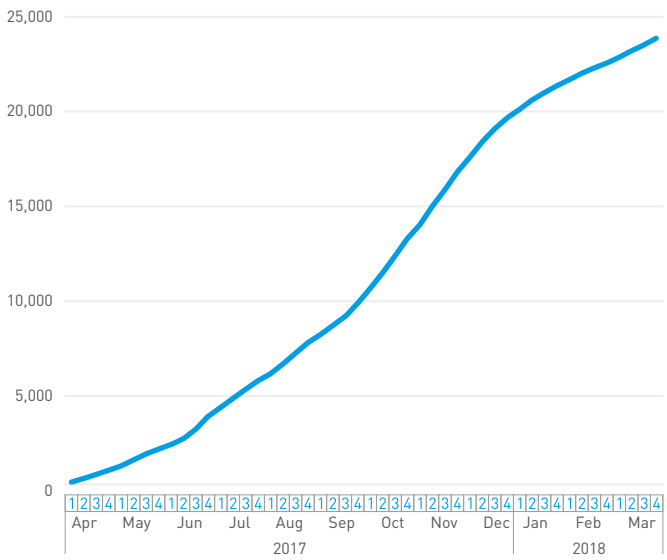


- **Natural Gas Price** (Jan-Dec)
  USD/MMBTU

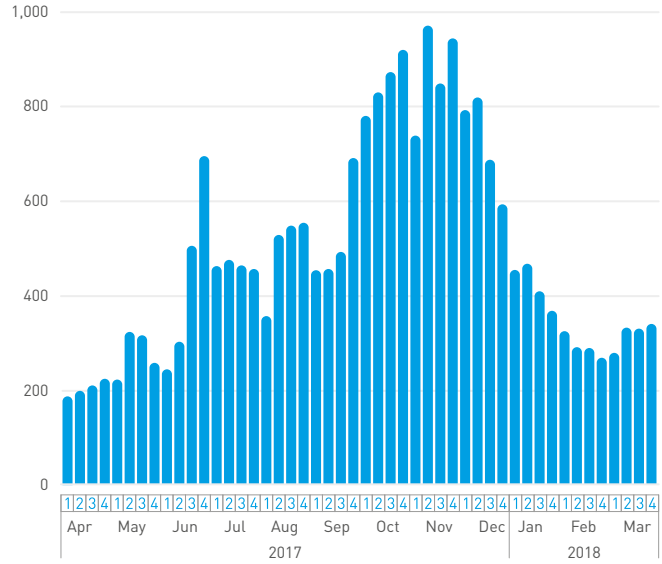


2017 WATER YEAR FLOW

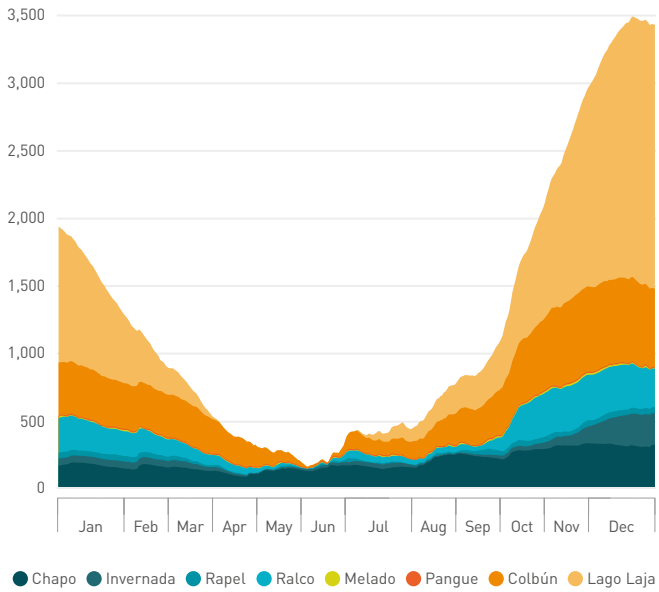
- **Weekly Cumulative Energy Flow**
  (GWh)



- **Weekly Energy Flow**
  (GWh)

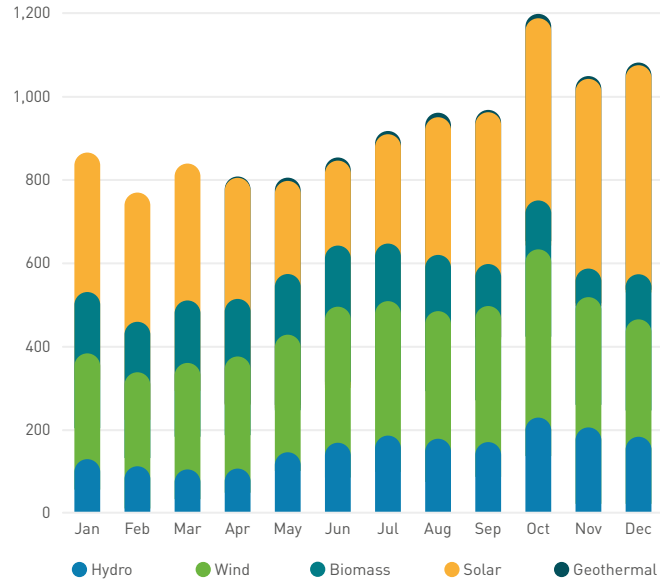


- **Reservoir Energy**
  (GWh)



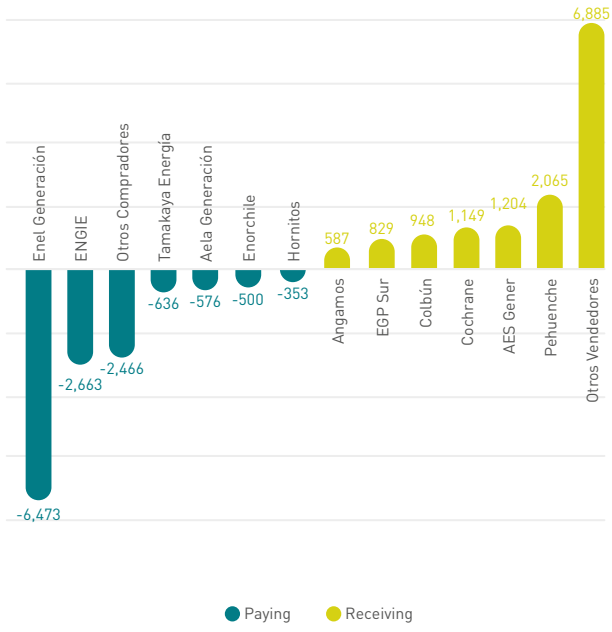
NCRE BALANCE

- **NCRE Balance**
  (GWh-month)

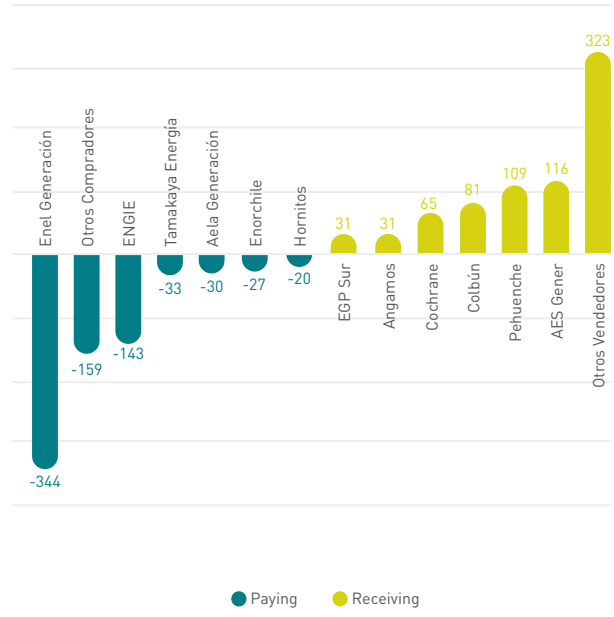


2017 ENERGY AND POWER BALANCE, NATIONAL ELECTRICITY SYSTEM

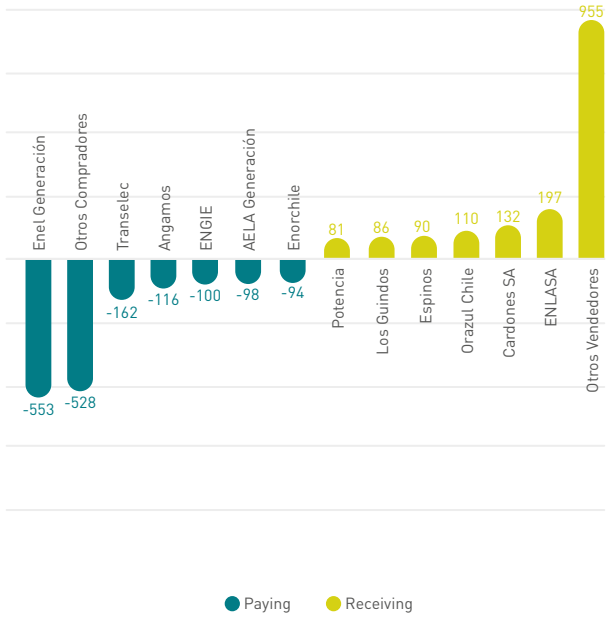
- **Energy Balance**
  Physical (GWh)



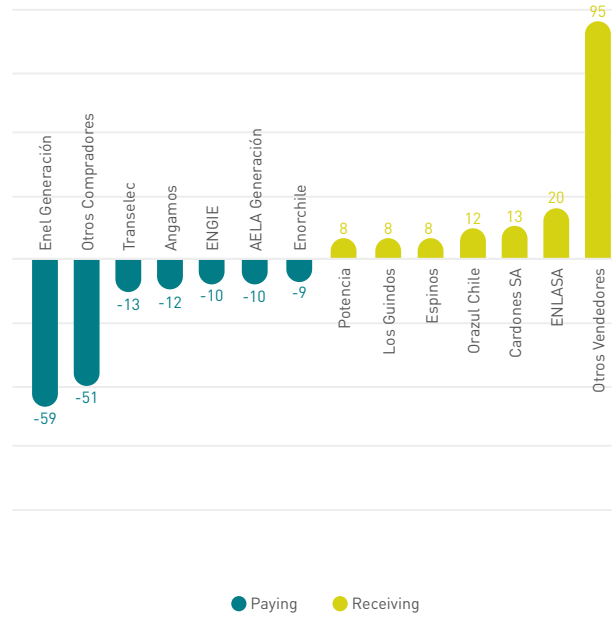
- **Energy Balance**
  Monetary (USD millions)



- **Power Balance**
  Physical (MW)

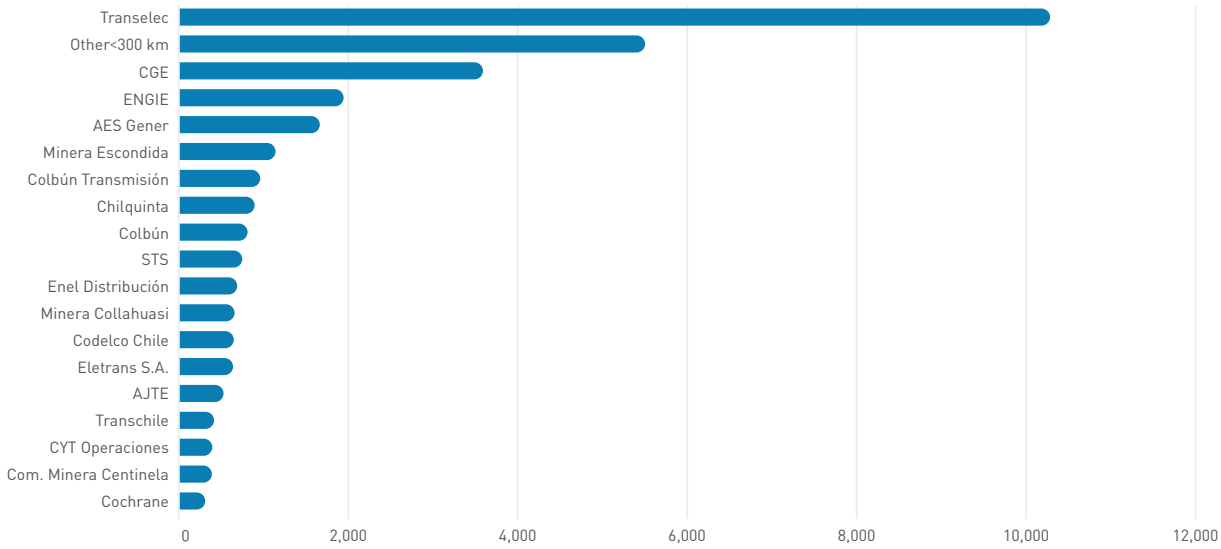


- **Power Balance**
  Monetary (USD millions)

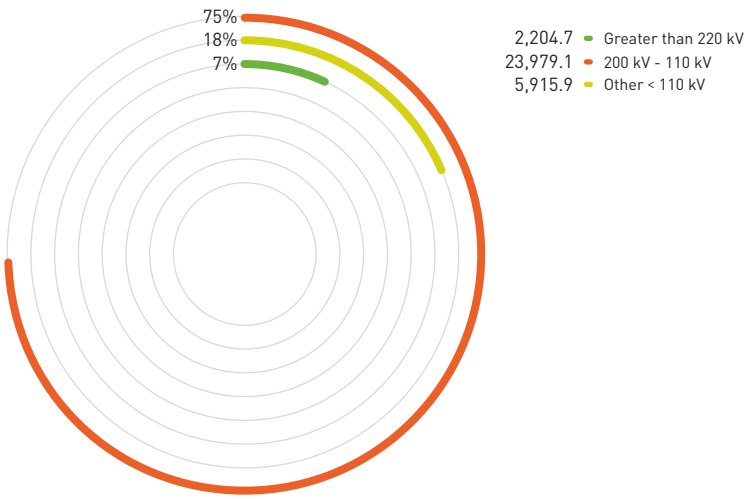


TRANSMISSION LINES

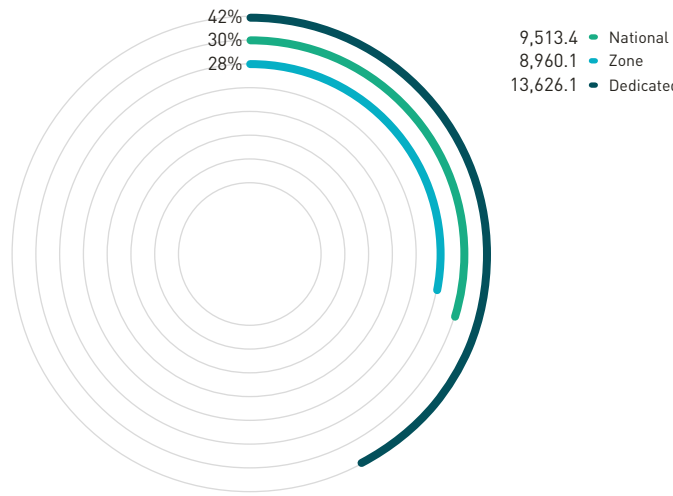
- **Kilometers of Lines per Company**
  (km)



- **Transmission System by Length**
  (km)

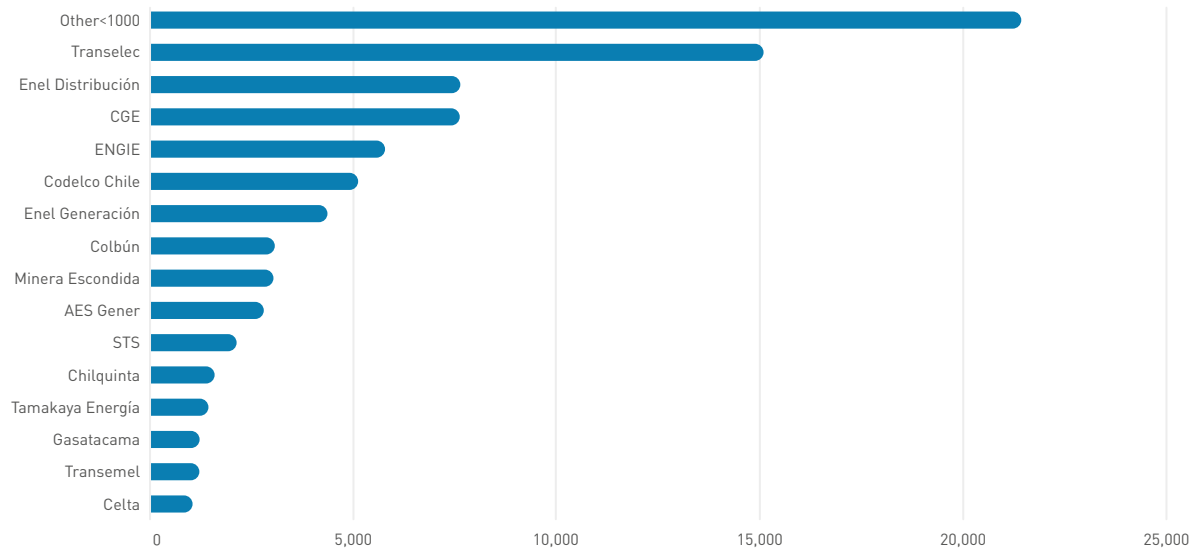


- **Transmission System by Segment**
  (km)

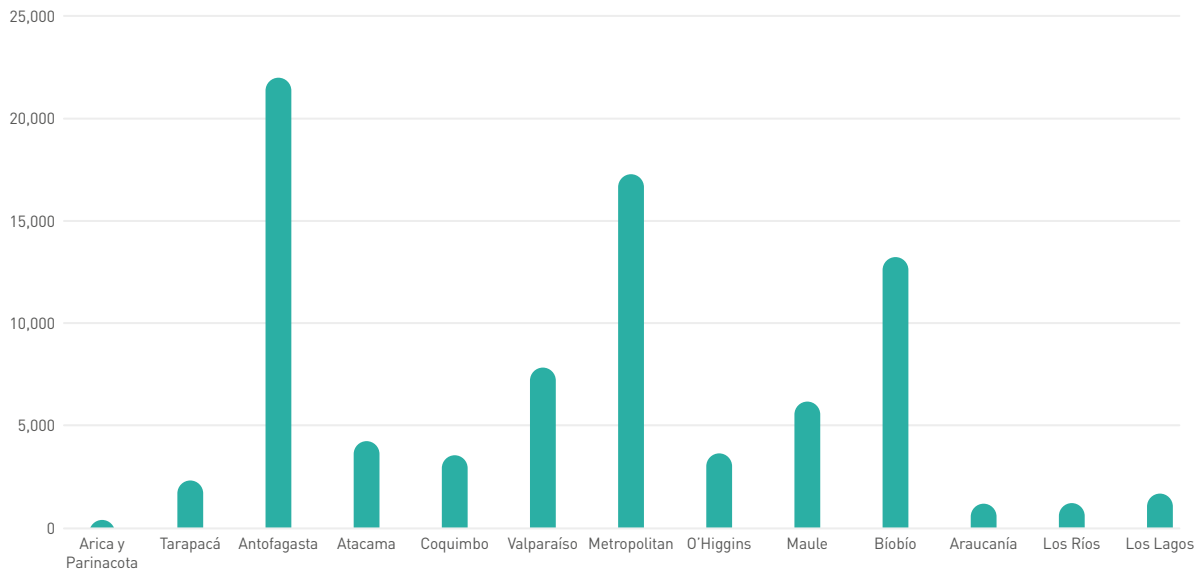


SUBSTATIONS

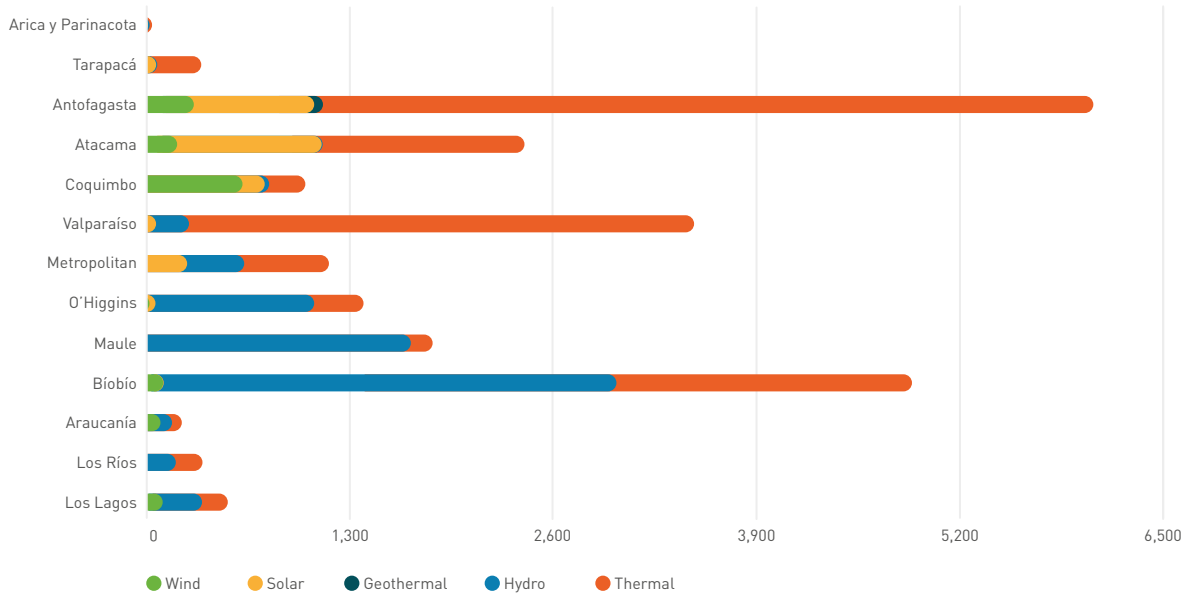
- **Installed Capacity in Substations by Company** (MVA)

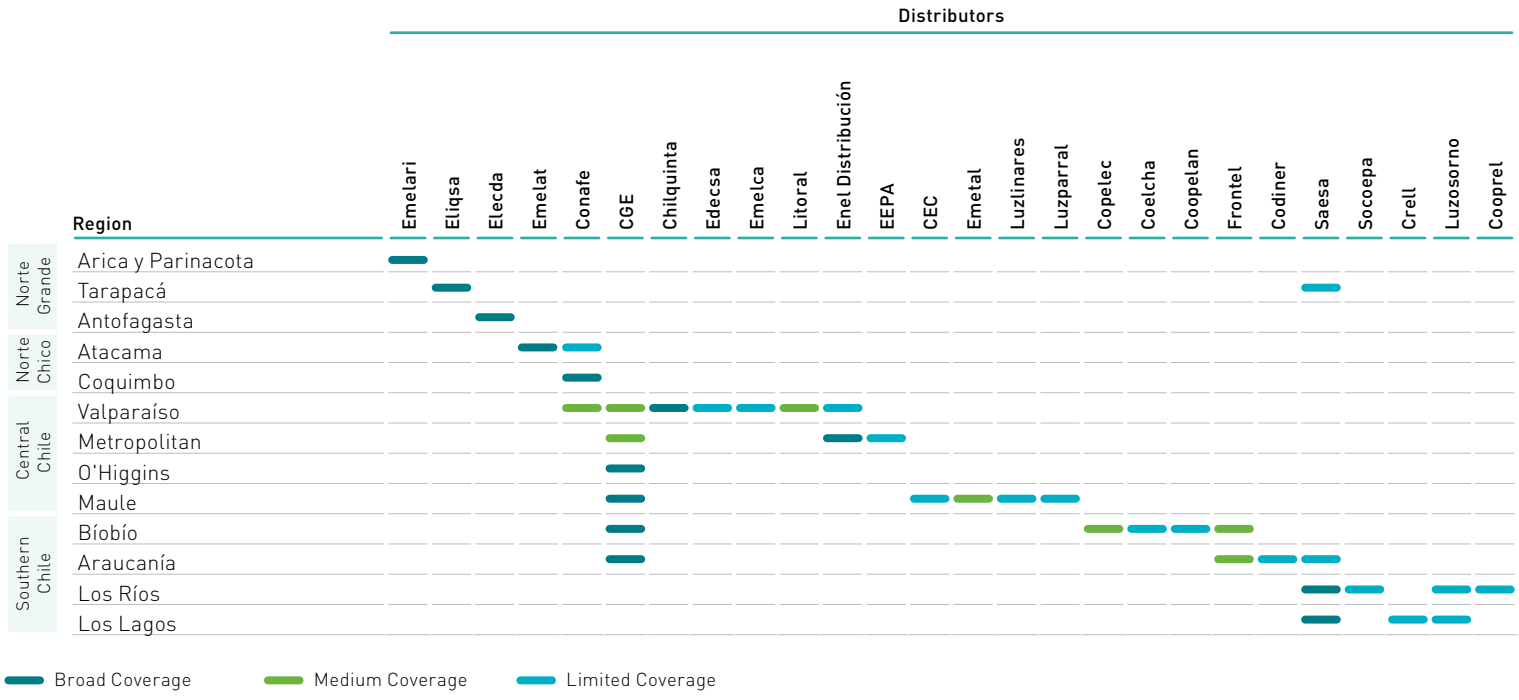


- **MVA Installed by Region**



- **Installed Capacity by Region**
  (MW)



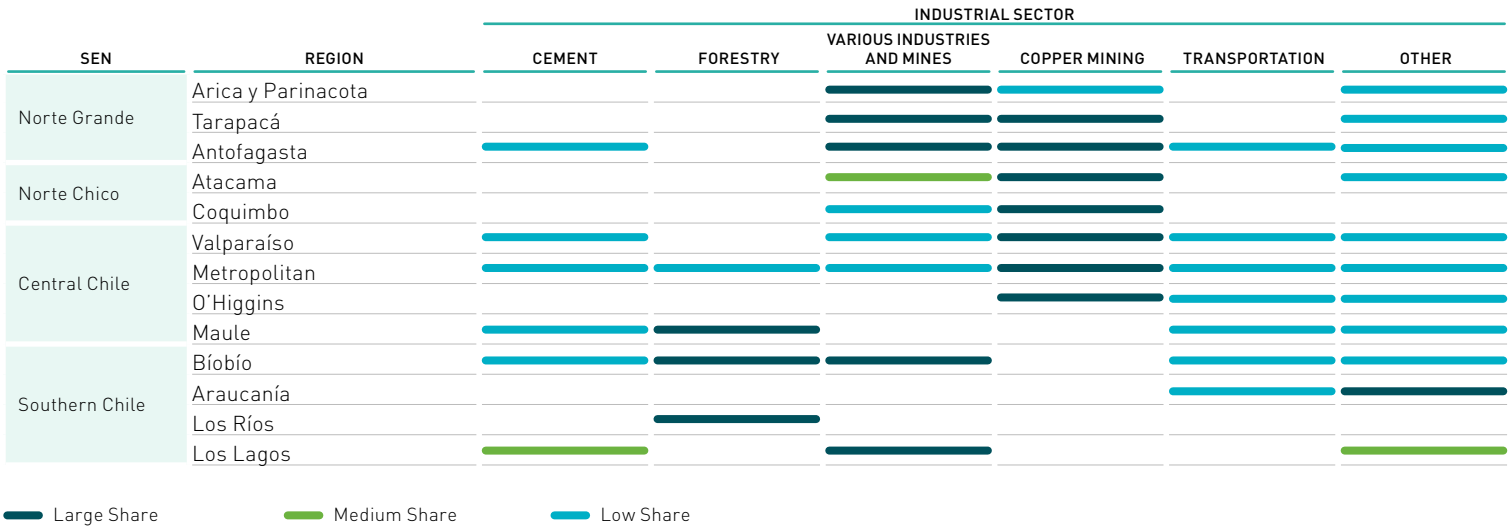


Distributors coordinated by the National Electricity Coordinator, and regional coverage in terms of withdrawals they make.

- **Coordinated Distributors and Regions**

SEN	REGION	POPULATION (2017 CENSUS)	REGULATED ENERGY WITHDRAWAL (MWh-year)	PER CAPITA RESIDENTIAL CONSUMPTION (kWh-year)
Norte Grande	Arica y Parinacota	224,548	339,708	1,512.9
	Tarapacá	324,930	513,032	1,578.9
	Antofagasta	599,335	1,027,205	1,713.9
Norte Chico	Atacama	285,363	696,811	2,441.8
	Coquimbo	742,178	1,197,089	1,612.9
Central Chile	Valparaíso	1,790,219	3,352,015	1,872.4
	Metropolitan	7,036,792	15,143,007	2,152.0
	O'Higgins	908,545	1,603,201	1,764.6
	Maule	1,033,197	1,999,360	1,935.1
Southern Chile	Bíobío	2,018,803	3,361,144	1,664.9
	Araucanía	938,626	1,309,319	1,394.9
	Los Ríos	380,181	681,573	1,792.8
	Los Lagos	823,204	1,669,261	2,027.8

The figure below shows the regional presence of the different industrial sectors identified for the purposes of this Annual Report, and their share in the respective region in terms of energy withdrawals made by each sector in 2017.



Share of the different industries in the respective region, in terms of energy withdrawals made during 2017.

MEDIUM SYSTEMS (MS)

Electricity systems with an installed capacity between 1.5 (MW) and 200 (MW)

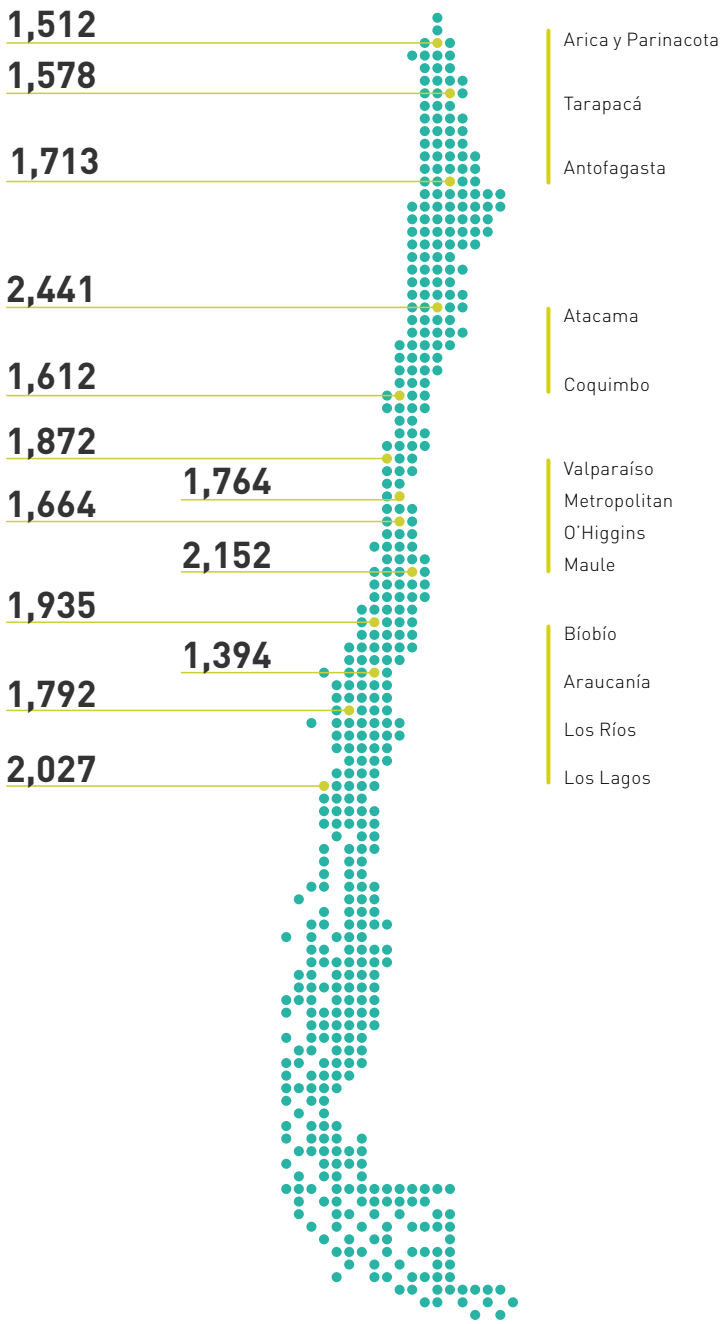
- **In continental territory there are 9 MS:**

MS	REGION	NAME	GENERATION CAPACITY (MW)
MS 1	Los Lagos Region	Cochamó	2.4
MS 2	Los Lagos Region	Hornopirén	4.5
MS 3	Aysén Region	Aysén	54.4
MS 4	Aysén Region	Palena	3.2
MS 5	Aysén Region	Carrera	3.4
MS 6	Magallanes Region	Punta Arenas	86.9
MS 7	Magallanes Region	Puerto Natales	11.3
MS 8	Magallanes Region	Porvenir	7.8
MS 9	Magallanes Region	Puerto Williams	2.1

The MS of Punta Arenas and Hornopirén have more than one generation company, and all are currently in operation.
According to the provisions of Law 20,936, the Coordinator must program the operation of medium systems in which there is more than one generation company.

MS	NAME	GENERATION COMPANIES	TECHNOLOGY
MS 1	Cochamó	SAGESA	Fuel
MS 2	Hornopirén	SAGESA AND EPA S.A.	Fuel / Run-of-river
MS 3	Aysén	Edelaysén	Fuel
MS 4	Palena	Edelaysén	Fuel
MS 5	Carrera	Edelaysén	Fuel
MS 6	Punta Arenas	Edelmag and Pecket Energy	Fuel / Wind
MS 7	Puerto Natales	Edelmag	Fuel
MS 8	Porvenir	Edelmag	Fuel
MS 9	Puerto Williams	Edelmag	Fuel

- **Regional per capita residential consumption**
(kWh-year)



- **National per capita figures**

17,105,921
Population (2017 Census)

32,892,725 (MWh-year)
Regulated energy withdrawal

1,922 (MWh-year)
of Per Capita Average Residential Consumption

COORDINATED COMPANIES

COMPANY	RUT (CHILEAN ID)	FREE CLIENT	GENERATOR	NATIONAL TRANSMISSION	ZONE TRANSMISSION	DEDICATED TRANSMISSION	DISTRIBUTOR	SDG	SSG
Aguas Antofagasta S.A.	76.418.976-0	■							
Algorta Norte S.A.	76.000.957-1	■							
Atacama Minerals Chile S.C.M.	78.338.570-8	■							
Compañía Minera Cerro Colorado Ltda.	94.621.000-5	■							
Compañía Minera Lomas Bayas	78.512.520-7	■							
Compañía Minera Maricunga	76.038.806-8	■							
Compañía Minera Teck Quebrada Blanca S.A.	96.567.040-8	■							
Compañía Minera Zaldívar SpA	76.485.762-3	■							
EcoMetales Limited, Agencia en Chile	59.087.530-9	■							
Grace S.A.	99.565.400-8	■							
Haldeman Mining Company S.A.	96.955.560-3	■							
Minera Antucoya	76.079.669-7	■							
Minera Centinela	76.727.040-2	■							
Minera Escondida Ltda.	79.587.210-8	■							
Minera Meridian Ltda.	96.508.670-6	■							
Minera Michilla SpA	76.572.421-K	■							
Minera Spence S.A.	86.542.100-1	■							
Planta Recuperadora de Metales SpA	76.255.054-7	■							
Sierra Gorda SCM	76.081.590-K	■							
Sociedad Contractual Minera El Abra	96.701.340-4	■							
Sociedad GNL Mejillones S.A.	76.775.710-7	■							
Sociedad Química y Minera de Chile S.A.	93.007.000-9	■							
Xstrata Copper - Altonorte	88.325.800-2	■		■	■				
CGE Distribución S.A.	99.513.400-4						■		
Compañía Eléctrica de Osorno S.A	96.531.500-4						■		
Compañía Nacional de Fuerza Eléctrica S.A.	91.143.000-2						■		
Cooperativa Eléctrica Charrúa Ltda.	80.238.000-3						■		
Cooperativa Eléctrica Los Ángeles Ltda.	81.585.900-6						■		
Cooperativa Regional Eléctrica Llanquihue Ltda.	81.106.900-0						■		
Cooperativa Rural Eléctrica Río Bueno Ltda.	81.388.600-6						■		
Empresa Eléctrica Atacama S.A.	87.601.500-5						■		
Empresa Eléctrica de Casablanca S.A.	81.577.400-0						■		
Empresa Eléctrica de Colina Ltda.	96.783.910-8						■		
Empresa Eléctrica Municipalidad de Til Til	70.849.500-K						■		
Energía de Casablanca S.A.	96.766.110-4						■		
Luz Andes Ltda.	96.800.460-3						■		
Colbún S.A.	96.505.760-9		■		■			■	
Compañía Doña Inés de Collahuasi SCM	89.468.900-5	■	■			■			
Eléctrica Nueva Energía S.A.	76.045.612-8		■						
Enaex S.A.	90.266.000-3	■	■			■			
Engie Energía Chile S.A.	88.006.900-4		■	■	■	■			
Hidroeléctrica Embalse Ancoa SpA	76.264.025-2		■						
Neomas SpA	76.112.774-8		■						
Quinta Solar SpA	76.470.584-K		■						
Sociedad Parque Eólico Valle de los Vientos	76.052.206-6		■	■					
Total SunPower El Pelícano SpA	76.337.599-4		■						
Central Cardones S.A.	76.550.580-1		■			■			■
Elektra Generación S.A.	76.594.660-3		■			■			■
Hidroeléctrica Dos Valles SpA	76.495.341-K		■						■
Mainco SpA	84.183.200-0		■			■			■
Parque Eólico Lebu-Toro SpA	76.416.891-7		■					■	■
Solairedirect Generación Andacollo SpA	76.169.132-5		■			■			■
AASA Energía S.A	76.596.827-5		■					■	
Abengoa Chile S.A.	96.521.440-2		■					■	
Acciona Energía Chile Holdings S.A.	76.437.712-5		■					■	
Agrícola Alejandro Ponce EIRL	76.738.520-K		■					■	
Atacama Solar S.A	76.055.134-1		■					■	
Biocruz Generación S.A.	76.171.705-7		■					■	
Bio Energía Las Pampas SpA	76.254.294-3		■					■	
Bio Energía Santa Irene SpA	76.254.271-4		■					■	
Calama Solar 1 SpA	76.044.597-5		■					■	

COMPANY	RUT (CHILEAN ID)	FREE CLIENT	GENERATOR	NATIONAL TRANSMISSION	ZONE TRANSMISSION	DEDICATED TRANSMISSION	DISTRIBUTOR	SDG	SSG
Calama Solar 2 SpA	76.044.602-5								
Carbomet Energía S.A.	91.066.000-4								
Cavancha S.A.	96.666.150-K								
Central Hidroeléctrica Chanleufu S.A.	76.153.128-K								
Central Hidroeléctrica El Manzano SpA	76.459.845-8								
Central Hidroeléctrica Río Mulchén S.A.	76.089.965-8								
Chester Solar IV SpA	76.440.337-1								
Cía. Eléctrica los Morros S.A.	95.177.000-0								
Cía. Molinera Villarrica Ltda	80.203.400-8								
Commonplace Energy S.A.	76.233.264-7								
Divisadero S.A.	76.438.021-5								
Donguil Energía S.A.	76.086.581-8								
Dosal hnos y Cía. Ltda.	84.992.400-1								
EBCO Energía S.A.	76.179.054-4								
EERM Energías del Futuro S.A:	76.272.689-0								
El Agrio Hidro SpA.	76.364.112-0								
Eléctrica El Galpón SpA	76.391.769-K								
Eléctrica Puntilla S.A.	96.817.230-1								
Eléctrica Raso Power Ltda.	76.426.029-5								
Eléctrica San Miguel Spa	76.217.501-0								
Empresa Depuradora de Aguas Servida Mapocho Treba Limitada	76.078.231-9								
Empresa Eléctrica Contra S.P.A.	76.197.204-9								
Empresa Eléctrica La Arena SpA	76.037.036-3								
Empresa Eléctrica Río Puma S.A.	76.285.793-6								
Empresas Lipigas S.A.	96.928.510-K								
Enerbosch S.A.	76.028.873-K								
Energía Collil S.A.	76.246.882-4								
Energía León S.A.	76.166.356-9								
Energías Renovables El Arrayán Ltda.	76.840.310-4								
Energías Ucuquer S.A.	76.152.252-3								
Enerkey SpA	76.468.419-2								
Enernuevas S.A.	76.045.491-5								
Eólico Las Peñas SpA	76.389.157-7								
Ganadera y Forestal Carran Ltda.	87.886.600-2								
Generadora Eléctrica Kaltemp Ltda.	76.392.163-8								
Generadora Eléctrica María Elena Ltda.	76.188.603-7								
Generadora Eléctrica Pehui Ltda.	76.067.554-7								
Generadora Eléctrica Rhom Ltda.	77.412.850-6								
Generadora Eléctrica Roblería Ltda.	76.051.263-K								
Generadora Eléctrica Sauce Los Andes S.A.	94.959.000-3								
Generadora Estancilla SpA	76.145.769-1								
Gestel Ingeniería Limitada	76.219.458-9								
GR Araucaria SpA	76.461.936-6								
GR Boldo SPA	76.515.598-3								
GR Canelo Spa	76.464.278-3								
GR Coigüe SpA	76.461.939-0								
GR Epino Spa	76.461.941-2								
GR Guayacán SpA	76.461.853-K								
GR Huingan SpA	76.461.937-4								
GR Lingue SpA	76.464.206-6								
GR Pacific Pan de Azúcar SpA	76.320.575-4								
GR Patagua SpA	76.461.945-5								
GR Radal SpA	76.461.861-0								
GR TIACA SpA	76.451.224-3								
GR Tineo SpA	76.461.943-9								
Hanwha Q Cells Til Til Uno SpA	76.254.347-8								
HBS Energía S.A.	76.856.480-9								
HBS Gas Natural Licuado S.A.	76.468.387-0								
Hidrobonito S.A.	76.079.566-6								
Hidroelec S.A.	76.019.602-9								
Hidroeléctrica Allipén S.A.	76.071.891-2								

COMPANY	RUT (CHILEAN ID)	FREE CLIENT	GENERATOR	NATIONAL TRANSMISSION	ZONE TRANSMISSION	DEDICATED TRANSMISSION	DISTRIBUTOR	SDG	SSG
Hidroeléctrica Arrayán SpA	76.013.193-8		■					■	
Hidroeléctrica Cumpeo S.A.	76.414.591-7		■					■	
Hidroeléctrica DONGO SpA	76.015.738-4		■					■	
Hidroeléctrica El Canelo S.A.	76.136.655-6		■					■	
Hidroeléctrica El Manzano S.A.	76.803.940-2		■					■	
Hidroeléctrica Ensenada S.A.	76.030.971-0		■					■	
Hidroeléctrica Las Flores S.A.	76.210.842-9		■					■	
Hidroeléctrica Mallarauco S.A.	76.055.136-8		■					■	
Hidroeléctrica Pichilonco S.A.	76.257.412-8		■					■	
Hidroeléctrica Puclaro S.A.	99.589.620-6		■					■	
Hidroeléctrica Puma S.A.	76.157.465-5		■					■	
Hidroeléctrica Río Claro S.A.	76.208.775-8		■					■	
Hidroeléctrica Trailelfu SpA	76.392.022-4		■					■	
Hidroeléctrica Trueno S.A.	76.834.000-5		■					■	
Hidromuchi S.A.	76.117.705-2		■					■	
Hidro Munilque SpA	76.411.212-1		■					■	
Hidropaloma S.A.	76.849.580-7		■					■	
Hormiga Solar SpA	76.459.988-8		■					■	
Huajache SpA	76.255.785-1		■					■	
La Manga Energy SpA	76.505.372-2		■					■	
Los Padres Hidro SpA	76.248.798-5		■					■	
Minicentral Hidroeléctrica El Diuto S.A	76.074.053-5		■					■	
Orafti Chile S.A.	77.894.990-3		■					■	
Parque Solar Bellavista, SpA	76.377.436-8		■					■	
Parque Solar Cuz Cuz SpA	76.367.198-4		■					■	
Parque Solar Los Puquios SpA	76.228.787-0		■					■	
Parque Solar Luna del Norte SpA	76.378.964-0		■					■	
Parque Solar Sol del Norte SpA	76.228.791-9		■					■	
PMGD Bío Bío Negrete S.A.	76.219.874-6		■					■	
PMGD Chile Generación Ltda.	76.512.275-9		■					■	
PMGD Santuario SpA	76.693.239-8		■					■	
Pozo Almonte Solar 1 SpA	76.055.358-1		■					■	
PSF Lomas Coloradas S.A.	76.284.911-9		■					■	
PSF Pama S.A.	76.284.903-8		■					■	
PV El Cernícalo SpA	76.805.093-7		■					■	
PV El Pilpen SpA	76.744.083-9		■					■	
PV El Queltehue SpA	76.744.082-0		■					■	
PV Las Turcas SpA	76.730.378-5		■					■	
Raki SpA	76.216.621-6		■					■	
Renovalia Chile Seis, SpA	76.327.569-8		■					■	
Renovalia Chile Siete, SpA	76.327.574-4		■					■	
Roberto Tamm y Cía. Ltda.	86.579.500-9		■					■	
RP El Arroyo Energías Renovables S.A.	76.362.268-1		■					■	
San Francisco Solar SpA	76.470.581-5		■					■	
Socer S.A.	76.475.862-5		■					■	
Sociedad Agrícola y Ganadera Curileufu Ltda.	84.100.300-4		■					■	
Sociedad Hidroeléctrica El Mirador S.A.	76.266.491-7		■					■	
SPV P4 S.A.	76.201.449-1		■					■	
Stericycle Urbano SpA	76.416.769-4		■					■	
Subsole Energías Renovables Ltda.	76.213.023-8		■					■	
Sunenergreen S.A.	76.205.368-3		■					■	
TecnoRed S.A.	77.302.440-5		■					■	■
Tomaval Generación S.A.	76.140.623-K		■					■	
Valle de la Luna II SpA	76.477.447-7		■					■	
Wenke y Cía. Ltda.	78.399.890-4		■					■	
Sistema de Transmisión de Los Lagos S.A.	76.024.633-6								
Aela Generación S.A.	76.489.426-K		■			■			
Aes Gener S.A.	94.272.000-9		■		■	■			
Agrocomercial A.S. Ltda.	77.805.520-1	■				■			
Alba S.A.	76.114.239-9		■			■			
Almeyda Solar SpA	76.321.458-3		■			■			
Amanecer Solar SpA	76.273.559-8		■			■			
Andes Generación SpA	76.203.788-2		■			■			
Anglo American Sur S.A.	77.762.940-9	■				■			
Antuko Generación S.A.	76.483.827-0		■			■			
Arauco Bioenergía S.A.	96.547.510-9		■			■			
Atacama Generación Chile S.A.	76.459.637-4		■			■			
Besalco Energía Renovable S.A.	76.249.099-4		■			■			

COMPANY	RUT (CHILEAN ID)	FREE CLIENT	GENERATOR	NATIONAL TRANSMISSION	ZONE TRANSMISSION	DEDICATED TRANSMISSION	DISTRIBUTOR	SDG	SSG
Bio Energía Los Pinos SpA	76.472.359-7		■			■			
Bio Energía Molina S.A	76.256.837-3		■			■			
Bioenergías Forestales S.A.	76.188.197-3		■			■			
Cartulinas CMPC S.A.	96.731.890-6	■				■			
Cemento Polpaico S.A.	91.337.000-7	■				■			
Cementos Bío Bío Centro S.A.	96.718.010-6	■				■			
Cementos Bío Bío del Sur S.A.	96.755.490-1	■				■			
Central Termoeléctrica Andina S.A.	76.708.710-1		■			■			
Chungungo S.A.	76.414.107-5		■			■			
Cía. Minera Mantos de Oro	78.928.380-K	■				■			
Cleanairtech Sudammerica S.A.	76.399.400-7	■				■			
CMPC Maderas S.A.	95.304.000-K	■				■			
COMASA S.A.	96.546.010-1		■			■			
Compañía Barrick Chile Generación Ltda.	96.576.920-K		■			■			
Compañía Contractual Minera Candelaria	85.272.800-0	■				■			
Compañía Contractual Minera Ojos del Salado	96.635.170-5	■				■			
Compañía Explotadora de Minas S.C.M.	89.274.000-3	■				■			
Compañía Minera Cerro Negro S.A.	91.614.000-2	■				■			
Compañía Minera del Pacífico S.A.	94.638.000-8	■				■			
Compañía Minera Teck Carmen de Andacollo	78.126.110-6	■				■			
Compañía Minera Zaldívar	85.758.600-K	■				■			
Compañía SCM Minera Lumina Copper Chile	99.531.960-8	■				■			
Compañía Siderúrgica Huachipato S.A.	94.637.000-2	■				■			
Conejo Solar SpA	76.376.829-5		■			■			
Consorcio Santa Marta S.A.	96.828.810-5		■			■			
Cristalerías de Chile S.A.	90.331.000-6	■				■			
Desarrollo de Energía SpA	76.073.828-K		■			■			
Duqueco SpA	76.254.033-9		■			■			
EBCO Atacama S.A.	76.382.754-2		■			■			
EKA Chile S.A.	99.500.140-3	■				■			
Eléctrica Cenizas S.A.	76.819.440-8		■			■			
Empresa de los Ferrocarriles del Estado	61.216.000-7	■				■			
Empresa de Transporte de Pasajeros Metro S.A	61.219.000-3	■			■	■			
Empresa Eléctrica Angamos S.A.	76.004.976-K		■			■			
Empresa Eléctrica Capullo S.A.	96.637.520-5		■			■			
Empresa Eléctrica Carén S.A.	76.149.809-6		■			■			
Empresa Eléctrica Cochrane SpA.	76.085.254-6		■			■			
Empresa Eléctrica Diego de Almagro SpA	76.004.337-0		■			■			
Empresa Eléctrica ERNC I S.A.	76.318.056-5		■			■			
Empresa Eléctrica Leonera S.A	76.427.560-8		■			■			
Empresa Eléctrica Licán S.A.	76.375.780-3		■			■			
Empresa Eléctrica Panguipulli S.A.	96.524.140-K		■		■	■			
Empresa Eléctrica Pehuenche S.A.	96.504.980-0		■		■	■			
Empresa Eléctrica Rucatayo S.A.	76.030.638-K		■			■			
Empresa Eléctricas Aguas del Melado SpA	77.277.800-7		■			■			
Empresa Nacional de Minería, Fundición Hernán Videla Lira	61.703.000-4	■				■			
ENAP Refinerías S.A.	87.756.500-9	■	■			■			
Enel Generación Chile S.A.	91.081.000-6		■		■	■			
Enel Green Power del Sur SpA	76.412.562-2		■			■			
Energía Cerro El Morado S.A.	76.392.147-6		■			■			
Energía Coyanco S.A.	76.857.590-8		■			■			
Energía Pacífico S.A.	76.004.531-4		■			■			
Energías Ucuquer Dos S.A.	76.319.372-1		■			■			
Enlasa Generación Chile S.A.	76.009.328-9		■			■			
Enorchile S.A.	96.774.300-3		■			■			
Eólica La Esperanza S.A.	76.427.498-9		■			■			
Eólica Monte Redondo S.A.	76.019.239-2		■			■			
Espinos S.A.	76.925.800-0		■			■			
Forestal y Papelera Concepción S.A.	96.528.420-6	■				■			
Fotovoltaica Norte Grande 5 SpA	76.213.045-9		■			■			
Fundición Talleres Ltda.	99.532.410-5	■				■			
Gasatacama Chile S.A.	78.932.860-9		■			■			
Gas Sur S.A.	96.853.490-4		■			■			
Generación de Energía Nueva Degan SpA	76.265.287-0		■			■			
Generación Solar SpA	76.183.075-9		■			■			
Generadora del Pacífico SpA	76.010.367-5		■			■			
Geotérmica del Norte S.A.	96.971.330-6		■			■			
GNL Quintero S.A.	76.788.080-4	■				■			

COMPANY	RUT (CHILEAN ID)	FREE CLIENT	GENERATOR	NATIONAL TRANSMISSION	ZONE TRANSMISSION	DEDICATED TRANSMISSION	DISTRIBUTOR	SDG	SSG
Guacolda Energía S.A.	76.418.918-3		■			■			
Guanaco Compañía Minera SpA	78.097.950-K	■				■			
Helio Atacama Tres	76.175.608-7		■			■			
Hidroangol S.A.	76.067.373-0		■			■			
Hidrocallao S.A.	76.116.436-8		■			■			■
Hidroeléctrica La Confluencia S.A.	76.350.250-3		■			■			
Hidroeléctrica La Higuera S.A.	96.990.050-5		■			■			
Hidroeléctrica Lleuquereo S.A.	76.281.947-3		■			■			■
Hidroeléctrica Providencia S.A.	76.135.475-2		■			■			
Hidroeléctrica Río Colorado S.A.	76.189.274-6		■			■			
Hidroeléctrica Río Huasco S.A.	76.071.113-6		■			■			■
Hidroeléctrica Río Lircay S.A.	76.025.973-K		■			■			■
Hidroeléctrica San Andrés Limitada.	76.032.641-0		■			■			
HidroMaule S.A.	76.354.800-7		■			■			
Hidronalcas S.A.	76.116.437-6		■			■			■
Hidroriñinahue S.A.	76.306.881-1		■			■			
Imelsa Energía SpA	76.472.262-0		■			■			
Inacal S.A.	76.115.484-2		■			■			
Industria Chilena de Alambre S.A.	91.868.000-4	■				■			
Inversiones Hornitos S.A.	76.009.698-9		■			■			
Javiera SpA	76.376.635-7		■			■			
KDM Energía S.A.	76.059.578-0		■			■			■
Los Guindos Generación SpA	76.284.294-7		■			■			
Mantos Copper S.A.	77.418.580-1	■				■			
Masisa S.A.	96.802.690-9	■				■			
Melón S.A	76.109.779-2	■				■			
Metro Regional de Valparaíso S.A.	96.766.340-9	■				■			
Minera Altos de Punitaqui Ltda	76.099.463-4	■				■			
Minera Las Cenizas S.A.	79.963.260-8	■				■			
Minera Los Pelambres	96.790.240-3	■				■			
Minera Valle Central S.A.	96.595.400-7	■				■			
Moly-Cop Chile S.A.	92.244.000-K	■				■			
Noracid S.A.	76.858.530-K		■			■			
Norvind S.A.	76.919.070-8		■			■			
Occidental Chemical Chile LTDA.	93.797.000-5	■				■			
On-Group S.A.	96.827.870-3		■			■			
Orazul Energy Chile Holding II.B.V.CPA	76.060.441-0		■			■			
Pacific Hydro Chacayes S.A.	76.006.855-1		■			■			
Pacific Hydro Chile S.A.	96.990.040-8		■			■			
Palmucho S.A.	76.406.120-9					■			
Papeles Bío Bío S.A.	77.562.510-4	■				■			
Parque Eólico Cabo Leones I S.A.	76.166.466-2		■			■			
Parque Eólico El Arrayán SpA	76.068.557-7		■			■			
Parque Eólico Los Cururos Ltda.	76.178.599-0		■			■			
Parque Eólico Taltal S.A.	76.179.024-2		■			■			
Parque Solar Fotovoltaico Luz del Norte SpA	76.319.477-9		■			■			
Parque Talinay Oriente S.A.	76.126.507-5		■			■			
Petropower Energía Limitada	78.335.760-7		■		■	■		■	
Petroquim S.A.	78.021.560-7	■				■			
Piutel Generación Eléctrica Limitada	76.413.185-1		■			■			
Planta Solar San Pedro III SpA	76.175.454-8		■			■			
Potencia S.A.	76.771.670-2		■			■			
Pozo Almonte Solar 2 S.A.	76.055.356-5		■			■			
Pozo Almonte Solar 3 S.A.	76.055.354-9		■			■			
Punta Palmeras S.A.	76.106.835-0		■			■			
PV Salvador SpA	76.284.682-9		■			■			
Río Alto S.A.	76.213.834-4		■			■			

COMPANY	RUT (CHILEAN ID)	FREE CLIENT	GENERATOR	NATIONAL TRANSMISSION	ZONE TRANSMISSION	DEDICATED TRANSMISSION	DISTRIBUTOR	SDG	SSG
San Andrés SpA	76.273.569-5		■			■			
San Juan S.A.	76.319.883-9		■			■			
Santiago Solar S.A.	76.378.017-1		■			■			
Sociedad Boco Solar SpA.	76.565.252-9		■			■			
Sociedad Contractual Minera Atacama Kozan	77.134.510-7	■				■			
Sociedad Contractual Minera Franke	76.051.610-4	■				■			
Sociedad Contractual Minera Tres Valles	77.856.200-6	■				■			
Sociedad Electrica Santiago SpA.	96.717.620-6		■			■			
Sociedad Generadora Austral S.A.	99.528.750-1		■			■			
Solairedirect Generación V SpA	76.247.976-1		■			■			
SPS La Huayca S.A.	76.271.234-2		■			■			
S.W.Consulting S.A.	96.903.720-3		■			■			
Tamakaya Energía SpA	76.349.223-0		■			■			
Teatinos Energía S.A.	76.479.446-K		■			■			
Tecnet S.A.	96.837.950-K		■			■			
Termoeléctrica Colmito S.A.	76.326.949-3		■			■			
Transmisión del Melado SpA	76.538.831-7					■			
Transmisora Eléctrica de Quillota Ltda.	77.017.930-0					■			
Alto Jahuel Transmisora de Energía S.A.	76.100.121-3			■					
Charrúa Transmisora de Energía S.A.	76.260.825-1			■					
Codelco (Corporación Nacional del Cobre)	61.704.000-K	■		■		■			
Colbún Transmisión S.A	76.218.856-2			■					
CYT Operaciones SPA	76.248.725-K			■					
Don Goyo Transmisión S.A.	76.695.118-K			■		■			
Edelnor Transmisión S.A.	76.046.791-K			■					
Eletrans S.A.	76.230.505-4			■					
EPM Transmisión Chile S.A.	76.729.711-4			■					
Interchile S.A.	76.257.379-2			■					
KELTI S.A.	76.454.918-K			■					
Sistema de Transmisión del Norte S.A.	76.410.374-2			■					
Sociedad Austral de Transmisión Troncal	76.519.747-3			■					
Transchile Charrúa Transmisión S.A.	76.311.940-8			■					
Transmisora Baquedano S.A.	76.215.177-4			■					
Transmisora Eléctrica del Norte S.A.	76.787.690-4			■					
Transmisora Mejillones S.A.	76.215.036-0			■					
Zaldívar Transmisión S.A.	76.618.735-8			■					
Centinela Transmisión S.A.	76.618.728-5				■				
Chilquinta Energía S.A.	96.813.520-1				■		■		
Compañía Distribuidora de Energía Eléctrica CODINER Ltda.	78.397.530-0				■		■		
Compañía Eléctrica del Litoral S.A.	91.344.000-5				■		■		
Compañía General de Electricidad S.A.	76.411.321-7			■	■		■		
Cooperativa de Abastecimiento de Energía Eléctrica Curicó Ltda.	70.287.900-0				■		■		
Cooperativa de Consumo de Energía Eléctrica Chillán Ltda.	80.237.700-2				■		■		
Cooperativa Eléctrica Paillaco Ltda.	81.629.800-8				■		■		
Diego de Almagro Transmisora de Energía S.A.	76.536.654-2			■	■				
Empresa de Transmisión Eléctrica Transemel S.A.	96.893.220-9			■	■				
Empresa Eléctrica de Antofagasta S.A.	96.541.920-9				■		■		
Empresa Eléctrica de Arica S.A.	96.542.120-3				■		■		
Empresa Eléctrica de Iquique S.A.	96.541.870-9				■		■		
Empresa Eléctrica de la Frontera S.A.	76.073.164-1				■		■		
Empresa Eléctrica Puente Alto S.A.	80.313.300-K				■		■		
Enel Distribución Chile S.A.	96.800.570-7				■		■		
Luzlinares S.A.	96.884.450-4				■		■		
Luzparral S.A.	96.866.680-0				■		■		
Sistema de Transmisión del Sur S.A.	77.683.400-9			■	■				
Sociedad Austral de Electrícidad S.A.	76.073.162-5				■		■		
Transelec S.A.	76.555.400-4			■	■				

PLANTS AND THEIR CHARACTERISTICS

COMPANY	COMPANY	GENERATION UNIT	INSTALLED CAPACITY (MW)	SOURCE	TYPE	NCRE/ CONVENTIONAL	REGION	REGION NAME	YEAR PLACED IN SERVICE
Aes Gener S.A.	AES Gener	Queltehues	49.0	Run-of-river hydro	Hydroelectric	Conventional	XIII	Metropolitan	1928
Aes Gener S.A.	AES Gener	Volcán	13.0	Run-of-river hydro	Hydroelectric	NCRE	XIII	Metropolitan	1944
Aes Gener S.A.	AES Gener	Alfalfal	178.0	Run-of-river hydro	Hydroelectric	Conventional	XIII	Metropolitan	1991
Aes Gener S.A.	AES Gener	Maitenes	31.0	Run-of-river hydro	Hydroelectric	Conventional	XIII	Metropolitan	1923 U1-U2-U3; 1989 U4-U5
Compañía Auxiliar de Electricidad del Maipo S.A.	CAEMSA	Los Bajos	5.5	Run-of-river hydro	Hydroelectric	NCRE	XIII	Metropolitan	1944
Compañía Auxiliar de Electricidad del Maipo S.A.	CAEMSA	Auxiliar del Maipo (Caemsa)	5.1	Run-of-river hydro	Hydroelectric	NCRE	XIII	Metropolitan	1962 U1-U2; 1985-U3
Agrícola Alejandro Ponce EIRL	Agrícola Alejandro Ponce EIRL	Los Corrales	0.8	Run-of-river hydro	Hydroelectric	NCRE	XIV	Los Ríos	2010
Agrícola Alejandro Ponce EIRL	Agrícola Alejandro Ponce EIRL	Los Corrales 2	1.0	Run-of-river hydro	Hydroelectric	NCRE	XIV	Los Ríos	2013
Colbún S.A.	Colbún	Colbún	474.0	Reservoir Power Plant	Hydroelectric	Conventional	VII	Maule	1985
Colbún S.A.	Colbún	Machicura	95.0	Reservoir Power Plant	Hydroelectric	Conventional	VII	Maule	1985
Colbún S.A.	Colbún	San Ignacio	37.0	Run-of-river hydro	Hydroelectric	Conventional	VII	Maule	1996
Colbún S.A.	Colbún	Rucúe	178.4	Run-of-river hydro	Hydroelectric	Conventional	VIII	Biobío	1998
Colbún S.A.	Colbún	Quilleco	70.8	Run-of-river hydro	Hydroelectric	Conventional	VIII	Biobío	2007
Colbún S.A.	Colbún	Chiburgo	19.4	Run-of-river hydro	Hydroelectric	NCRE	VII	Maule	2007
Colbún S.A.	Colbún	San Clemente	5.9	Run-of-river hydro	Hydroelectric	NCRE	VII	Maule	2010
Colbún S.A.	Colbún	Canutillar	172.0	Reservoir Power Plant	Hydroelectric	Conventional	X	Los Lagos	1990
Colbún S.A.	Colbún	Angostura	323.8	Run-of-river hydro	Hydroelectric	Conventional	VIII	Biobío	2014
Donguil Energía S.A.	Donguil Energía	Donguil	0.3	Run-of-river hydro	Hydroelectric	NCRE	IX	La Araucanía	2011
Empresa Eléctrica Capullo S.A.	Capullo	Capullo	12.0	Run-of-river hydro	Hydroelectric	NCRE	X	Los Lagos	1995
Empresa Eléctrica La Arena SpA.	Hidroeléctrica La Arena	La Arena	6.8	Run-of-river hydro	Hydroelectric	NCRE	X	Los Lagos	2011
Cía. Eléctrica los Morros S.A.	CELMSA	Los Morros	3.1	Run-of-river hydro	Hydroelectric	NCRE	XIII	Metropolitan	1930 U1-U2-U3; 1994 U4-U5
Empresa Eléctrica Panguipulli S.A.	Eléctrica Panguipulli	Pullinque	51.4	Run-of-river hydro	Hydroelectric	Conventional	XIV	Los Ríos	1962
Empresa Eléctrica Panguipulli S.A.	Eléctrica Panguipulli	Pilmaiquén	40.8	Run-of-river hydro	Hydroelectric	Conventional	XIV	Los Ríos	1944 U1-U2-U3; 1945-U4; 1959-U5
Empresa Eléctrica Rucatayo S.A.	Rucatayo	Rucatayo	59.5	Run-of-river hydro	Hydroelectric	Conventional	XIV	Los Ríos	2012
Empresa Eléctrica Licán S.A.	Eléctrica Licán	Licán	18.0	Run-of-river hydro	Hydroelectric	NCRE	XIV	Los Ríos	2011
Eléctrica Puntilla S.A.	Puntilla	Puntilla	21.8	Run-of-river hydro	Hydroelectric	Conventional	XIII	Metropolitan	1997
Empresa Eléctrica Industrial S.A.	Eléctrica Industrial	Carena	10.0	Run-of-river hydro	Hydroelectric	NCRE	XIII	Metropolitan	1943
Enel Generación Chile S.A.	Enel	Los Molles	18.0	Run-of-river hydro	Hydroelectric	NCRE	IV	Coquimbo	1952
Enel Generación Chile S.A.	Enel	Rapel	378.0	Reservoir Power Plant	Hydroelectric	Conventional	VI	O'Higgins	1968
Enel Generación Chile S.A.	Enel	Sauzal	76.8	Run-of-river hydro	Hydroelectric	Conventional	VI	O'Higgins	1948
Enel Generación Chile S.A.	Enel	Sauzalito	12.0	Run-of-river hydro	Hydroelectric	NCRE	VI	O'Higgins	1959
Enel Generación Chile S.A.	Enel	Cipreses	106.0	Reservoir Power Plant	Hydroelectric	Conventional	VII	Maule	1955
Enel Generación Chile S.A.	Enel	Isla	70.0	Run-of-river hydro	Hydroelectric	Conventional	VII	Maule	1963-U1; 1964-U2
Compañía Eléctrica Tarapacá S.A.	Celta	Pangue	467.0	Reservoir Power Plant	Hydroelectric	Conventional	VIII	Biobío	1996
Enel Generación Chile S.A.	Enel	Ralco	690.0	Reservoir Power Plant	Hydroelectric	Conventional	VIII	Biobío	2004
Enel Generación Chile S.A.	Enel	Palmucho	32.0	Run-of-river hydro	Hydroelectric	Conventional	VIII	Biobío	2007
Enel Generación Chile S.A.	Enel	Antuco	320.0	Run-of-river hydro	Hydroelectric	Conventional	VIII	Biobío	1981
Enel Generación Chile S.A.	Enel	El Toro	450.0	Reservoir Power Plant	Hydroelectric	Conventional	VIII	Biobío	1973
Enel Generación Chile S.A.	Enel	Abanico	136.0	Run-of-river hydro	Hydroelectric	Conventional	VIII	Biobío	1948 U1-U2-U3-U4; 1959 U5-U6
Compañía Eléctrica Tarapacá S.A.	Celta	Ojos de Agua	9.0	Run-of-river hydro	Hydroelectric	NCRE	VII	Maule	2008
Enerbosch S.A.	Enerbosch	Reca	1.7	Run-of-river hydro	Hydroelectric	NCRE	XIV	Los Ríos	2011
Enerbosch S.A.	Enerbosch	Purísima	0.4	Run-of-river hydro	Hydroelectric	NCRE	VII	Maule	2012
Energía Coyanco S.A.	Energía Coyanco	Guayacán	12.0	Run-of-river hydro	Hydroelectric	NCRE	XIII	Metropolitan	2011
Ganadera Forestal Carran Limitada	Carrán	Doña Hilda	0.4	Run-of-river hydro	Hydroelectric	NCRE	XIV	Los Ríos	2010
Generadora Eléctrica Pehui Ltda.	Pehui Ltda	Pehui	1.1	Run-of-river hydro	Hydroelectric	NCRE	XIV	Los Ríos	2009
Generadora Eléctrica Rhom Ltda.	Generhom	Don Walterio	3.0	Run-of-river hydro	Hydroelectric	NCRE	XIV	Los Ríos	2013
Generadora Eléctrica Sauce Los Andes S.A.	Gesan	Sauce Andes	1.4	Run-of-river hydro	Hydroelectric	NCRE	V	Valparaíso	1909
Hidrocallao S.A.	Hidrocallao	Callao	3.3	Run-of-river hydro	Hydroelectric	NCRE	X	Los Lagos	2012
Hidroeléctrica El Canelo S.A.	Hidroeléctrica El Canelo	El Canelo	6.0	Run-of-river hydro	Hydroelectric	NCRE	IX	La Araucanía	2012
Hidroelec S.A.	Hidroelec	Truful truful	0.8	Run-of-river hydro	Hydroelectric	NCRE	IX	La Araucanía	2009
Colbún S.A.	Colbún	Aconcagua UBlanco	53.0	Run-of-river hydro	Hydroelectric	Conventional	V	Valparaíso	1993
Colbún S.A.	Colbún	Aconcagua Ujuncal	29.2	Run-of-river hydro	Hydroelectric	Conventional	V	Valparaíso	1994
Colbún S.A.	Colbún	Juncalito	1.5	Run-of-river hydro	Hydroelectric	NCRE	V	Valparaíso	1994
Hidroelectrica Allipén S.A.	Hidroeléctrica Allipén	Allipén	2.6	Run-of-river hydro	Hydroelectric	NCRE	IX	La Araucanía	2012
Hidroeléctrica Cachapoal S.A.	Hidroeléctrica Cachapoal	Coya	12.0	Run-of-river hydro	Hydroelectric	NCRE	VI	O'Higgins	2008
Colbún S.A.	Colbún	Los Quilos	39.9	Run-of-river hydro	Hydroelectric	Conventional	V	Valparaíso	1943 U1-U2; 1989-U3
Minicentral Hidroeléctrica El Diuto Ltda.	Hidroeléctrica Diuto	El Diuto	3.3	Run-of-river hydro	Hydroelectric	NCRE	VIII	Biobío	2011
Hidroeléctrica El Manzano S.A.	El Manzano	El Manzano	4.9	Run-of-river hydro	Hydroelectric	NCRE	IX	La Araucanía	2008
Hidroeléctrica La Confluencia S.A.	Hidroeléctrica La Confluencia	La Confluencia	163.2	Run-of-river hydro	Hydroelectric	Conventional	VI	O'Higgins	2011
Hidroeléctrica La Higuera S.A.	Hidroeléctrica La Higuera	La Higuera	155.0	Run-of-river hydro	Hydroelectric	Conventional	VI	O'Higgins	2011
Hidroeléctrica Mallarauco S.A.	Hidroeléctrica Mallarauco	Mallarauco	3.4	Run-of-river hydro	Hydroelectric	NCRE	VI	O'Higgins	2011
Hidroeléctrica Puclaro S.A.	Hidroeléctrica Puclaro	Puclaro	5.6	Run-of-river hydro	Hydroelectric	NCRE	IV	Coquimbo	2008
Hidroeléctrica Trueno S.A.	Hidroeléctrica Trueno	Trueno	5.6	Run-of-river hydro	Hydroelectric	NCRE	IX	La Araucanía	2010
Hidroeléctrica Río Lircay S.A.	Hidrolircay	Mariposas	6.3	Run-of-river hydro	Hydroelectric	NCRE	VII	Maule	2011
HidroMaule S.A.	HidroMaule	Lircay	19.0	Run-of-river hydro	Hydroelectric	NCRE	VII	Maule	2009
Hidromuchi S.A.	HidroMuchi	Muchi	1.0	Run-of-river hydro	Hydroelectric	NCRE	XIV	Los Ríos	2011
Hidronalcas S.A.	Hidronalcas S.A.	Nalcas	6.8	Run-of-river hydro	Hydroelectric	NCRE	X	Los Lagos	2012
Hidropaloma S.A.	Hidropaloma	La Paloma	4.6	Run-of-river hydro	Hydroelectric	NCRE	IV	Coquimbo	2010
Duke Energy International Chile Holding II B.V. S.C.P.A.	Duke Energy	Mampil	55.0	Run-of-river hydro	Hydroelectric	Conventional	VIII	Biobío	2000
Duke Energy International Chile Holding II B.V. S.C.P.A.	Duke Energy	Peuchén	85.0	Run-of-river hydro	Hydroelectric	Conventional	VIII	Biobío	2000
Colbún S.A.	Colbún	Chacabuquito	25.7	Run-of-river hydro	Hydroelectric	Conventional	V	Valparaíso	2002
Wenke y Cía. Ltda.	Wenke	El Tártaro	0.1	Run-of-river hydro	Hydroelectric	NCRE	V	Valparaíso	2010
Pacific Hydro Chacayes S.A.	Pacific Hydro Chacayes	Chacayes	112.0	Run-of-river hydro	Hydroelectric	Conventional	VI	O'Higgins	2011
Empresa Eléctrica Pehuenche S.A.	Pehuenche	Pehuenche	570.0	Reservoir Power Plant	Hydroelectric	Conventional	VII	Maule	1991
Empresa Eléctrica Pehuenche S.A.	Pehuenche	Curillinque	92.0	Run-of-river hydro	Hydroelectric	Conventional	VII	Maule	1993
Empresa Eléctrica Pehuenche S.A.	Pehuenche	Loma Alta	40.0	Run-of-river hydro	Hydroelectric	Conventional	VII	Maule	1997

COMPANY	COMPANY	GENERATION UNIT	INSTALLED CAPACITY (MW)	SOURCE	TYPE	NCRE/ CONVENTIONAL	REGION	REGION NAME	YEAR PLACED IN SERVICE
Río Tranquilo S.A.	Río Tranquilo	Hornitos	61.0	Run-of-river hydro	Hydroelectric	Conventional	V	Valparaíso	2008
Asoc. De Canal. Sociedad Del Canal De Maipo	SCM	El Rincón	0.3	Run-of-river hydro	Hydroelectric	NCRE	XIII	Metropolitan	2007
Asoc. De Canal. Sociedad Del Canal De Maipo	SCM	Eyzaguirre	1.9	Run-of-river hydro	Hydroelectric	NCRE	XIII	Metropolitan	2003
Asoc. De Canal. Sociedad Del Canal De Maipo	SCM	Florida	28.5	Run-of-river hydro	Hydroelectric	Conventional	XIII	Metropolitan	1909 Florida I; 1993 Florida II; 1999 Florida III
Hidroeléctrica Providencia S.A.	HidroProvidencia	Providencia	14.2	Run-of-river hydro	Hydroelectric	NCRE	VII	Maule	2013
Generadora Eléctrica Roblería Ltda.	Generadora Roblería	Roblería	4.0	Run-of-river hydro	Hydroelectric	NCRE	VII	Maule	2013
Hidrobonito S.A.	Hidrobonito	Hidrobonito MC1	9.0	Run-of-river hydro	Hydroelectric	NCRE	X	Los Lagos	2013
Hidrobonito S.A.	Hidrobonito	Hidrobonito MC2	3.2	Run-of-river hydro	Hydroelectric	NCRE	X	Los Lagos	2013
Hidroélectrica Ensenada S.A.	HESA	Ensenada	1.2	Run-of-river hydro	Hydroelectric	NCRE	X	Los Lagos	2013
Energías Renovables El Arrayán Ltda.	El Arrayán	El Arrayán	0.2	Run-of-river hydro	Hydroelectric	NCRE	XIV	Los Ríos	2013
Asoc. De Canal. Sociedad Del Canal De Maipo	SCM	El Llano	1.9	Run-of-river hydro	Hydroelectric	NCRE	XIII	Metropolitan	2013
Asoc. De Canal. Sociedad Del Canal De Maipo	SCM	Las Vertientes	1.7	Run-of-river hydro	Hydroelectric	NCRE	XIII	Metropolitan	2013
Hidroeléctrica Maisán S.P.A.	Hidroeléctrica Maisán	Maisan	0.6	Run-of-river hydro	Hydroelectric	NCRE	IX	La Araucanía	2013
Hidroeléctrica Río Huasco S.A.	Hidroeléctrica Río Huasco	Río Huasco	5.1	Run-of-river hydro	Hydroelectric	NCRE	III	Atacama	2013
Mainco S.A.	MAINCO	Renaico	6.3	Run-of-river hydro	Hydroelectric	NCRE	VIII	Biobío	2013
Mainco S.A.	MAINCO	Alto Renaico	1.5	Run-of-river hydro	Hydroelectric	NCRE	VIII	Biobío	-
Empresa Eléctrica Contra S.P.A.	Contra	Contra	0.3	Run-of-river hydro	Hydroelectric	NCRE	XIV	Los Ríos	2013
Hidroeléctrica Dongo SpA	Hidroeléctrica Dongo	Dongo	6.0	Run-of-river hydro	Hydroelectric	NCRE	X	Los Lagos	2010
Empresa Eléctricas Aguas del Melado S.A.	Aguas del Melado	Los Hierros	25.1	Run-of-river hydro	Hydroelectric	Conventional	VII	Maule	2014
Empresa Eléctrica Portezuelo Spa	Portezuelo	Los Hierros II	6.0	Run-of-river hydro	Hydroelectric	NCRE	VII	Maule	2015
Eléctrica San Miguel Spa	Eléctrica San Miguel	Boquiamargo	1.1	Run-of-river hydro	Hydroelectric	NCRE	VIII	Biobío	2014
Hidroeléctrica San Andrés Limitada.	Hidroeléctrica San Andrés	San Andrés	40.3	Run-of-river hydro	Hydroelectric	Conventional	VI	O'Higgins	2014
EBCO Energía S.A.	EBCO Energía	Quillaileo	0.8	Run-of-river hydro	Hydroelectric	NCRE	VIII	Biobío	2014
Los Padres Hidro SpA	Los Padres Hidro	Los Padres	2.2	Run-of-river hydro	Hydroelectric	NCRE	VIII	Biobío	2014
Eólica Monte Redondo S.A.	EMR	Laja 1	34.4	Run-of-river hydro	Hydroelectric	Conventional	VIII	Biobío	2015
Hidroeléctrica Pichilonco S.A.	CH Pichilonco	Pichilonco	1.2	Run-of-river hydro	Hydroelectric	NCRE	XIV	Los Ríos	2014
Generadora Eléctrica María Elena Ltda.	María Elena Ltda.	María Elena	0.3	Run-of-river hydro	Hydroelectric	NCRE	X	Los Lagos	2014
Energía Collil S.A.	Collil	Collil	7.0	Run-of-river hydro	Hydroelectric	NCRE	X	Los Lagos	2014
Empresa Eléctrica La Leonera S.A.	CH Pulelfu	Pulelfu	9.0	Run-of-river hydro	Hydroelectric	NCRE	X	Los Lagos	-
Hidroélectrica Las Flores	Las Flores	Las Flores	1.6	Run-of-river hydro	Hydroelectric	NCRE	XIV	Los Ríos	2015
Empresa Eléctrica Río Puma S.A.	Río Puma	Los Colonos	0.6	Run-of-river hydro	Hydroelectric	NCRE	X	Los Lagos	2015
Sociedad Agrícola y Ganadera Curileufu Ltda.	Curileufu	Curileufu	0.2	Run-of-river hydro	Hydroelectric	NCRE	XIV	Los Ríos	2015
Hidroeléctrica Lleuquereo S.A.	Lleuquereo	Llauquereo	1.8	Run-of-river hydro	Hydroelectric	NCRE	VIII	Biobío	2015
HidroAngol	HidroAngol	Picoiquén	19.6	Run-of-river hydro	Hydroelectric	NCRE	IX	La Araucanía	2015
Molinera Villarrica	Cía. Molinera Villarrica Ltda.	Molinera Villarrica	0.6	Run-of-river hydro	Hydroelectric	NCRE	IX	La Araucanía	2016
Hidroeléctrica Trailelfu SpA	Hidroeléctrica Trailelfu SpA	Trailelfú	2.5	Run-of-river hydro	Hydroelectric	NCRE	IX	La Araucanía	2015
PMGD Bureo	PMGD Bío Bío Negrete S.A.	Bureo	2.2	Run-of-river hydro	Hydroelectric	NCRE	VIII	Biobío	2015
Dosal	Dosal hnos y Cía. Ltda.	Dosal	0.3	Run-of-river hydro	Hydroelectric	NCRE	VII	Maule	2015
Hidroeléctrica El Paso SpA	Hidroeléctrica El Paso SpA	El Paso	60.5	Run-of-river hydro	Hydroelectric	Conventional	VI	O'Higgins	2015
Central Munilque 1	PMGD Bío Bío Negrete S.A.	Munilque 1	0.6	Run-of-river hydro	Hydroelectric	NCRE	VIII	Biobío	2016
Central Munilque 2	PMGD Bío Bío Negrete S.A.	Munilque 2	0.6	Run-of-river hydro	Hydroelectric	NCRE	VIII	Biobío	2016
Puntilla	Eléctrica Puntilla S.A.	Itata	20.4	Run-of-river hydro	Hydroelectric	NCRE	VIII	Biobío	2015
Central Hidroeléctrica Río Mulchén S.A.	Central Hidroeléctrica Río Mulchén S.A.	Río Mulchén	3.0	Run-of-river hydro	Hydroelectric	NCRE	VIII	Biobío	2015
Eléctrica El Galpón	Eléctrica El Galpón SpA	El Galpón	1.3	Run-of-river hydro	Hydroelectric	NCRE	VII	Maule	
Hidroeléctrica El Mirador	Hidroeléctrica El Mirador S.A.	El Mirador	3.0	Run-of-river hydro	Hydroelectric	NCRE	VIII	Biobío	2015
Electrica Caren	Electrica Caren	Carilafquén	19.8	Run-of-river hydro	Hydroelectric	NCRE	IX	La Araucanía	2016
Electrica Caren	Electrica Caren	Malalcahuello	9.2	Run-of-river hydro	Hydroelectric	NCRE	IX	La Araucanía	2016
El Agrio	El Agro Hidro	El Agrio	2.5	Run-of-river hydro	Hydroelectric	NCRE	IX	La Araucanía	2016
Hidroeléctrica Cumpeo S.A.	Hidroeléctrica Cumpeo	Cumpeo	5.8	Run-of-river hydro	Hydroelectric	NCRE	VII	Maule	2016
Enerbosch S.A.	Enerbosch	El Colorado	2.0	Run-of-river hydro	Hydroelectric	NCRE	X	Los Lagos	2016
Central Hidroeléctrica Chanleufu S.A.	Central Hidroeléctrica Chanleufu S.A.	Chanleufu	3.4	Run-of-river hydro	Hydroelectric	NCRE	X	Los Lagos	2016
Hidroeléctrica Puma	Hidroeléctrica Puma	La Montaña 1	3.0	Run-of-river hydro	Hydroelectric	NCRE	VII	Maule	2016
El Arroyo Energías Renovables S.A.	El Arroyo Energías Renovables S.A.	Tránquil	0.4	Run-of-river hydro	Hydroelectric	NCRE	XIV	Los Ríos	2016
Hidroriñinahue SpA	Hidroriñinahue	Riñinahue	1.0	Run-of-river hydro	Hydroelectric	NCRE	XIV	Los Ríos	2017
Hidroeléctrica Río Colorado S.A.	Hidroeléctrica Río Colorado	Río Colorado	15.0	Run-of-river hydro	Hydroelectric	NCRE	VII	Maule	2017
Gen. Piutel Ltda.	Gen. Piutel	PMGD Piutel	0.8	Run-of-river hydro	Hydroelectric	NCRE	XIV	Los Ríos	2017
Andes Energy and Capital S.A.	Andes Energy and Capital	PMGD Viña Tarapacá	0.3	Run-of-river hydro	Hydroelectric	NCRE	XIII	Metropolitan	2017
Latinoamericana S.A.	Latinoamericana S.A.	Panguipulli PMGD	0.4	Run-of-river hydro	Hydroelectric	NCRE	XIV	Los Ríos	2017
Colbún S.A.	Colbún	La Mina	40.0	Run-of-river hydro	Hydroelectric	Conventional	VII	Maule	2017
Transoceanica S.A.	Transoceánica	Chanleufu II	8.4	Run-of-river hydro	Hydroelectric	NCRE	X	Los Lagos	2017
SOCER S.A.	SOCER	Caliboro	1.5	Run-of-river hydro	Hydroelectric	NCRE	VIII	Biobío	2017
Hidro Munilque SpA	Hidro Munilque	La Bifurcada	0.2	Run-of-river hydro	Hydroelectric	NCRE	VIII	Biobío	2017
Hidro Munilque SpA	Hidro Munilque	La Viña - Alto La Viña	0.6	Run-of-river hydro	Hydroelectric	NCRE	VIII	Biobío	2017
SOCER S.A.	SOCER	Melo	3.1	Run-of-river hydro	Hydroelectric	NCRE	VIII	Biobío	2017
SOCER S.A.	SOCER	Santa Isabel	1.5	Run-of-river hydro	Hydroelectric	NCRE	VIII	Biobío	2017
Hidroeléctrica Dos Valles SpA	Hidroeléctrica Dos Valles SpA	Dos Valles	3.0	Run-of-river hydro	Hydroelectric	NCRE	VI	O'Higgins	2017
Hidroeléctrica Río Claro S.A.	Hidroeléctrica Río Claro S.A.	La Montaña 2	1.9	Run-of-river hydro	Hydroelectric	NCRE	VII	Maule	2017
GPE S.A.	Hidroeléctrica Ancoa S.A.	Embalse Ancoa	27.0	Run-of-river hydro	Hydroelectric	Conventional	VII	Maule	2017
Hidroeléctrica Arrayán SpA	Hidroeléctrica Arrayán SpA	Arrayán	1.2	Run-of-river hydro	Hydroelectric	NCRE	XIII	Metropolitan	2017
CMPC Papeles Cordillera	CMPC Papeles Cordillera	CMPC Cordillera	24.0	Natural Gas	Thermoelectric	Conventional	XIII	Metropolitan	2015
CMPC Tissue S.A.	CMPC Tissue	CMPC Tissue	5.0	Natural Gas	Thermoelectric	Conventional	XIII	Metropolitan	2015
Aes Gener S.A.	AES Gener	Ventanas 1	120.0	Coal	Thermoelectric	Conventional	V	Valparaíso	1964
Aes Gener S.A.	AES Gener	Ventanas 2	220.0	Coal	Thermoelectric	Conventional	V	Valparaíso	1977
Aes Gener S.A.	AES Gener	Laja	12.6	Biomass	Thermoelectric	NCRE	VIII	Biobío	1995 - 2007
Aes Gener S.A.	AES Gener	Laguna Verde TG	18.0	Diesel oil	Thermoelectric	Conventional	V	Valparaíso	2004
Aes Gener S.A.	AES Gener	Los Vientos	132.0	Diesel oil	Thermoelectric	Conventional	V	Valparaíso	2007
Aes Gener S.A.	AES Gener	Santa Lidia	139.0	Diesel oil	Thermoelectric	Conventional	VIII	Biobío	2009
Aes Gener S.A.	AES Gener	Laguna Verde TV	47.0	Diesel oil	Thermoelectric	Conventional	V	Valparaíso	1939 U1; 1949 U2
Agrícola Ancali Ltda.	Agrícola Ancali	Ancalí 1	1.6	BioGas	Thermoelectric	NCRE	VIII	Biobío	2013
Empresa Depuradora de Aguas Servidas Mapocho Treba Limitada	EDAM Ltda.	Trebal Mapocho	8.2	BioGas	Thermoelectric	NCRE	XIII	Metropolitan	2012
Arauco Bioenergía S.A.	Arauco Bioenergía	Horcones TG	24.3	Diesel oil	Thermoelectric	Conventional	VIII	Biobío	2004
Arauco Bioenergía S.A.	Arauco Bioenergía	Nueva Aldea II	10.0	Diesel oil	Thermoelectric	Conventional	VIII	Biobío	2006

COMPANY	COMPANY	GENERATION UNIT	INSTALLED CAPACITY (MW)	SOURCE	TYPE	NCRE/ CONVENTIONAL	REGION	REGION NAME	YEAR PLACED IN SERVICE
Celulosa Arauco y Constitución S.A.	Celulosa Arauco	Arauco	24.0	Biomass	Thermoelectric	NCRE	VIII	Biobío	2012
Celulosa Arauco y Constitución S.A.	Celulosa Arauco	Licantén	6.0	Biomass-Licor Negro	Thermoelectric	NCRE	VII	Maule	2004
Celulosa Arauco y Constitución S.A.	Celulosa Arauco	Valdivia	61.0	Biomass-Oil N°6	Thermoelectric	NCRE	XIV	Los Ríos	2004
Celulosa Arauco y Constitución S.A.	Celulosa Arauco	Nueva Aldea III	37.0	Biomass	Thermoelectric	NCRE	VIII	Biobío	2008
Celulosa Arauco y Constitución S.A.	Celulosa Arauco	Celco	8.0	Biomass-Oil N°6	Thermoelectric	NCRE	VII	Maule	1996
Aserraderos Arauco S.A.	Aserraderos Arauco	Viñales	22.0	Biomass	Thermoelectric	NCRE	VII	Maule	2013
Compañía Barrick Chile Generación Ltda.	Barrick Generación	Punta Colorada	17.0	Diesel oil	Thermoelectric	Conventional	IV	Coquimbo	2010
ORAFTI Chile S.A.	Beneo Orafti	Orafti	0.5	Diesel oil	Thermoelectric	Conventional	VIII	Biobío	2009
Biocruz Generación S.A.	Biocruz Generación	Bío Cruz	1.8	Natural Gas	Thermoelectric	Conventional	V	Valparaíso	2012
Bioenergías Forestales S.A.	Bioenergías Forestales	Santa Fe	67.2	Biomass	Thermoelectric	NCRE	VIII	Biobío	2012
Bio Energia Santa Irene SpA	Santa Irene	Santa Irene	0.4	BioGas	Thermoelectric	NCRE	VI	O'Higgins	2013
Bio Energia Las Pampas SpA	Las Pampas	Las Pampas	0.4	BioGas	Thermoelectric	NCRE	VI	O'Higgins	2014
Empresa Eléctrica Campiche S.A.	Eléctrica Campiche	Campiche	272.0	Coal	Thermoelectric	Conventional	V	Valparaíso	2013
CMPC Celulosa S.A.	CMPC Celulosa	CMPC Laja	25.0	Biomass	Thermoelectric	NCRE	VIII	Biobío	2013
CMPC Celulosa S.A.	CMPC Celulosa	CMPC Pacífico	33.0	Biomass	Thermoelectric	NCRE	VIII	Biobío	2014
CMPC Celulosa S.A.	CMPC Celulosa	CMPC Santa Fe	5.0	Biomass	Thermoelectric	NCRE	VIII	Biobío	2015
Colbún S.A.	Colbún	Nehuenco I	368.4	Natural Gas	Thermoelectric	Conventional	V	Valparaíso	1998
Colbún S.A.	Colbún	Nehuenco 9B	108.0	Diesel oil	Thermoelectric	Conventional	V	Valparaíso	2002
Colbún S.A.	Colbún	Nehuenco II	398.3	Natural Gas	Thermoelectric	Conventional	V	Valparaíso	2003
Termoeléctrica Antilhue S.A.	Colbún	Antilhue TG	102.5	Diesel oil	Thermoelectric	Conventional	XIV	Los Ríos	2005
Colbún S.A.	Colbún	Candelaria	253.9	Natural Gas	Thermoelectric	Conventional	VI	O'Higgins	2005
Colbún S.A.	Colbún	Los Pinos	104.2	Diesel oil	Thermoelectric	Conventional	VIII	Biobío	2009
Colbún S.A.	Colbún	Santa María	370.0	Coal	Thermoelectric	Conventional	VIII	Biobío	2012
Termoeléctrica Colmito Ltda.	Termoeléctrica Colmito	Colmito	58.0	Diesel oil	Thermoelectric	Conventional	V	Valparaíso	2008
COMASA S.A.	Comasa	Lautaro-Comasa	26.0	Biomass	Thermoelectric	NCRE	IX	La Araucanía	2012
COMASA S.A.	Comasa	Lautaro-Comasa 2	22.0	Biomass	Thermoelectric	NCRE	IX	La Araucanía	2015
Duke Energy International Chile Holding II B.V. S.C.P.A.	Duke Energy	Yungay	199.1	Diesel oil	Thermoelectric	Conventional	VIII	Biobío	2007 U1-U2; 2008-U3; 2010-U4
Eléctrica Cenizas S.A.	Eléctrica Cenizas	Cenizas	14.5	Diesel oil	Thermoelectric	Conventional	III	Atacama	2009
Empresa Eléctrica Ventanas S.A.	Eléctrica Ventanas	Nueva Ventanas	272.0	Coal	Thermoelectric	Conventional	V	Valparaíso	2010
Elektra Generación S.A.	Elektragen	Constitución 1	9.0	Diesel oil	Thermoelectric	Conventional	VII	Maule	2007
Eléctrica Raso Power Ltda.	Eléctrica Raso Power Ltda.	Raso Power	4.7	Diesel oil	Thermoelectric	Conventional	VII	Maule	2016
Eléctrica Raso Power Ltda.	Eléctrica Raso Power Ltda.	Raso Power (ampliación)	2.5	Natural Gas	Thermoelectric	Conventional	VII	Maule	2016
Elektra Generación S.A.	Elektragen	Monte Patria	9.0	Diesel oil	Thermoelectric	Conventional	IV	Coquimbo	2007
Elektra Generación S.A.	Elektragen	Punitaqui	9.0	Diesel oil	Thermoelectric	Conventional	IV	Coquimbo	2007
Consorcio Energético Nacional S.A.	CEN	Maule	6.0	Diesel oil	Thermoelectric	Conventional	VII	Maule	2007
Elektra Generación S.A.	Elektragen	Chiloé	9.0	Diesel oil	Thermoelectric	Conventional	X	Los Lagos	2008
Empresa Eléctrica Diego de Almagro S.A.	EMELDA	Emelda	72.5	Diesel oil	Thermoelectric	Conventional	III	Atacama	2010
Enel Generación Chile S.A.	Enel	Bocamina	130.0	Coal	Thermoelectric	Conventional	VIII	Biobío	1970
Enel Generación Chile S.A.	Enel	Diego de Almagro	23.8	Diesel oil	Thermoelectric	Conventional	III	Atacama	1981
Compañía Eléctrica Tarapacá S.A.	Celta	San Isidro I	379.0	Natural Gas	Thermoelectric	Conventional	V	Valparaíso	1998
Enel Generación Chile S.A.	Enel	Taltal 1	123.4	Natural Gas	Thermoelectric	Conventional	II	Antofagasta	2000
Enel Generación Chile S.A.	Enel	Taltal 2	121.5	Natural Gas	Thermoelectric	Conventional	II	Antofagasta	2000
Enel Generación Chile S.A.	Enel	Quintero	257.0	Diesel oil	Thermoelectric	Conventional	V	Valparaíso	2009
Enel Generación Chile S.A.	Enel	Huasco TG	58.0	Diesel oil	Thermoelectric	Conventional	III	Atacama	1977 U1-U2; 1979-U3
Enel Generación Chile S.A.	Enel	San Isidro II	399.0	Natural Gas	Thermoelectric	Conventional	V	Valparaíso	2007-2008
Enel Generación Chile S.A.	Enel	Bocamina II	350.0	Coal	Thermoelectric	Conventional	VIII	Biobío	2012
Generación de Energía Nueva Degan S.A.	Nueva Degan	Degañ	36.0	Diesel oil	Thermoelectric	Conventional	X	Los Lagos	2007
Enlasa Generación Chile S.A.	Enlasa	El Peñón	81.0	Diesel oil	Thermoelectric	Conventional	IV	Coquimbo	2009
Enlasa Generación Chile S.A.	Enlasa	San Lorenzo de Diego de Almagro	62.2	Diesel oil	Thermoelectric	Conventional	III	Atacama	2009
Enlasa Generación Chile S.A.	Enlasa	Teno	59.0	Diesel oil	Thermoelectric	Conventional	VII	Maule	2009
Enlasa Generación Chile S.A.	Enlasa	Trapén	81.0	Diesel oil	Thermoelectric	Conventional	X	Los Lagos	2009
Energy Generation Development S.A.	Los Guindos Generación SpA	Los Guindos	139.0	Diesel oil	Thermoelectric	Conventional	VIII	Biobío	2015
Central Eléctrica El Canelo SpA	Central Eléctrica El Canelo SpA	El Canelo 1	3.0	Diesel oil	Thermoelectric	Conventional	X	Los Lagos	2015
Enorchile S.A.	EnorChile	Esperanza	22.2	Diesel oil	Thermoelectric	Conventional	VI	O'Higgins	2007
Equipos Generacion S.A.	Equipos Generación	CBB-Centro	13.6	Diesel oil	Thermoelectric	Conventional	VII	Maule	2010
Gas Sur S.A.	Gas Sur	Newén	14.5	Propano	Thermoelectric	Conventional	VIII	Biobío	2009
Generadora del Pacifico S.A.	GENPAC	Termopacífico	86.5	Diesel oil	Thermoelectric	Conventional	III	Atacama	2009
Generadora Estancilla SpA	Estancilla	Estancilla	3.0	Diesel oil	Thermoelectric	Conventional	XIII	Metropolitan	2013
Empresa Eléctrica Guacolda S.A.	Guacolda	Guacolda	760.0	Coal - Petcoke	Thermoelectric	Conventional	III	Atacama	1995-U1; 1996-U2; 2009-U3; 2010-U4; 2015-U5
HBS Energía S.A.	HBS Energía	HBS	2.2	Biomass	Thermoelectric	NCRE	VIII	Biobío	2011
HBS Gas Natural Licuado S.A.	HBS Gas Natural Licuado S.A.	HBS GNL	3.5	Natural Gas	Thermoelectric	Conventional	VIII	Biobío	2016
Central Cardones S.A.	Central Cardones	Cardones	153.0	Diesel oil	Thermoelectric	Conventional	III	Atacama	2009
KDM Energía S.A.	KDM	Loma Los Colorados	2.0	BioGas	Thermoelectric	NCRE	V	Valparaíso	2010
KDM Energía S.A.	KDM	Loma Los Colorados II	18.2	BioGas	Thermoelectric	NCRE	V	Valparaíso	2011
Termoeléctrica Los Espinos S.A.	Los Espinos	Los Espinos	124.0	Diesel oil	Thermoelectric	Conventional	IV	Valparaíso	2009
Masisa Ecoenergía S.A.	Masisa Ecoenergía	Masisa (Cabrero)	11.0	Biomass	Thermoelectric	NCRE	VIII	Biobío	2011
Colihues Energía S.A.	Colihues Energía	Colihues	22.0	Diesel oil	Thermoelectric	Conventional	VI	O'Higgins	2010
Electrica Nueva Energía S.A.	Nueva Energía	Escuadrón	14.2	Biomass	Thermoelectric	NCRE	VIII	Biobío	2008 U1 ; 2009 U2
Nutreco Chile S.A.	Nutreco	Skretting	2.7	Diesel oil	Thermoelectric	Conventional	X	Los Lagos	2008
Paneles Arauco S.A.	Paneles Arauco	Cholguán	13.0	Biomass-Oil N°6	Thermoelectric	NCRE	VIII	Biobío	2003
Celulosa Arauco y Constitución S.A.	Celulosa Arauco	Nueva Aldea I	14.0	Biomass	Thermoelectric	NCRE	VIII	Biobío	2005
Petropower Energía Limitada	Petropower	Petropower	75.0	Petcoke	Thermoelectric	Conventional	VIII	Biobío	1998
Potencia S.A.	Potencia	Olivos	115.2	Diesel oil	Thermoelectric	Conventional	IV	Coquimbo	2008
Sociedad Eléctrica Santiago S.A.	Eléctrica Santiago	Renca	100.0	Diesel oil	Thermoelectric	Conventional	XIII	Metropolitan	1962
Sociedad Eléctrica Santiago S.A.	Eléctrica Santiago	Nueva Renca	379.0	Natural Gas	Thermoelectric	Conventional	XIII	Metropolitan	1997
Sociedad Austral de Generación y Energía Chile S.A.	SAGESA	Biomar	2.4	Diesel oil	Thermoelectric	Conventional	X	Los Lagos	2009
Sociedad Austral de Generación y Energía Chile S.A.	SAGESA	Calle-Calle	8.0	Diesel oil	Thermoelectric	Conventional	XIV	Los Ríos	2011
Sociedad Austral de Generación y Energía Chile S.A.	SAGESA	Cañete	4.0	Diesel oil	Thermoelectric	Conventional	VIII	Biobío	2007
Sociedad Austral de Generación y Energía Chile S.A.	SAGESA	Chufkén (Traiguén)	1.6	Diesel oil	Thermoelectric	Conventional	IX	La Araucanía	2007
Sociedad Austral de Generación y Energía Chile S.A.	SAGESA	Chuyaca	11.3	Diesel oil	Thermoelectric	Conventional	X	Los Lagos	2008-2009-2011
Sociedad Austral de Generación y Energía Chile S.A.	SAGESA	Contulmo	0.8	Diesel oil	Thermoelectric	Conventional	VIII	Biobío	2012
Sociedad Austral de Generación y Energía Chile S.A.	SAGESA	Coronel	45.7	Natural Gas	Thermoelectric	Conventional	VIII	Biobío	2005
Sociedad Austral de Generación y Energía Chile S.A.	SAGESA	Curacautín	2.4	Diesel oil	Thermoelectric	Conventional	IX	La Araucanía	2007
Sociedad Austral de Generación y Energía Chile S.A.	SAGESA	Danisco	0.8	Diesel oil	Thermoelectric	Conventional	X	Los Lagos	2011
Sociedad Austral de Generación y Energía Chile S.A.	SAGESA	Eagon	2.4	Diesel oil	Thermoelectric	Conventional	IX	La Araucanía	2009
Sociedad Austral de Generación y Energía Chile S.A.	SAGESA	JCE	0.8	Diesel oil	Thermoelectric	Conventional	VIII	Biobío	2011
Sociedad Austral de Generación y Energía Chile S.A.	SAGESA	Lebu	2.4	Diesel oil	Thermoelectric	Conventional	VIII	Biobío	2012
Sociedad Austral de Generación y Energía Chile S.A.	SAGESA	Lonquimay	1.2	Diesel oil	Thermoelectric	Conventional	IX	La Araucanía	2011
Sociedad Austral de Generación y Energía Chile S.A.	SAGESA	Los Álamos	0.8	Diesel oil	Thermoelectric	Conventional	VIII	Biobío	2012
Sociedad Austral de Generación y Energía Chile S.A.	SAGESA	Louisiana Pacific	2.9	Diesel oil	Thermoelectric	Conventional	IX	La Araucanía	2009
Sociedad Austral de Generación y Energía Chile S.A.	SAGESA	Louisiana Pacific II (Lautaro)	3.2	Diesel oil	Thermoelectric	Conventional	IX	La Araucanía	2011

COMPANY	COMPANY	GENERATION UNIT	INSTALLED CAPACITY (MW)	SOURCE	TYPE	NCRE/ CONVENTIONAL	REGION	REGION NAME	YEAR PLACED IN SERVICE
Sociedad Austral de Generación y Energía Chile S.A.	SAGESA	MultiExport I	0.8	Diesel oil	Thermoelectric	Conventional	X	Los Lagos	2009
Sociedad Austral de Generación y Energía Chile S.A.	SAGESA	MultiExport II	1.6	Diesel oil	Thermoelectric	Conventional	X	Los Lagos	2009
Sociedad Austral de Generación y Energía Chile S.A.	SAGESA	Quellón II	7.0	Diesel oil	Thermoelectric	Conventional	X	Los Lagos	2008
Salmofood S.A.	Salmofood	Salmofood I	1.6	Diesel oil	Thermoelectric	Conventional	X	Los Lagos	2009
Salmofood S.A.	Salmofood	Salmofood II	1.6	Diesel oil	Thermoelectric	Conventional	X	Los Lagos	2009
Sociedad Austral de Generación y Energía Chile S.A.	SAGESA	Skretting Osorno	3.0	Diesel oil	Thermoelectric	Conventional	X	Los Lagos	2011
Sociedad Austral de Generación y Energía Chile S.A.	SAGESA	Tiráa	1.9	Diesel oil	Thermoelectric	Conventional	VIII	Biobío	2011
Sociedad Austral de Generación y Energía Chile S.A.	SAGESA	Trongol-Curanilahue	2.8	Diesel oil	Thermoelectric	Conventional	VIII	Biobío	2012
Sociedad Austral de Generación y Energía Chile S.A.	SAGESA	Watts I	0.8	Diesel oil	Thermoelectric	Conventional	X	Los Lagos	2009
Sociedad Austral de Generación y Energía Chile S.A.	SAGESA	Watts II	1.6	Diesel oil	Thermoelectric	Conventional	X	Los Lagos	2009
S.W.Consulting S.A.	SWC	El Salvador	23.8	Diesel oil	Thermoelectric	Conventional	III	Atacama	2010
Roberto Tamm y Cía. Ltda.	Tamm	Tamm	0.191	BioGas	Thermoelectric	NCRE	VI	O'Higgins	2013
TecnoRed S.A.	Tecnored	Concón	2.3	Diesel oil	Thermoelectric	Conventional	V	Valparaíso	2007
TecnoRed S.A.	Tecnored	Las Vegas	2.1	Diesel oil	Thermoelectric	Conventional	V	Valparaíso	2007
TecnoRed S.A.	Tecnored	Curauma	2.5	Diesel oil	Thermoelectric	Conventional	V	Valparaíso	2007
TecnoRed S.A.	Tecnored	Casablanca 1	1.6	Diesel oil	Thermoelectric	Conventional	V	Valparaíso	2007
TecnoRed S.A.	Tecnored	Casablanca 2	0.9	Diesel oil	Thermoelectric	Conventional	V	Valparaíso	2007
TecnoRed S.A.	Tecnored	El Totoral	3	Diesel oil	Thermoelectric	Conventional	V	Valparaíso	2008
TecnoRed S.A.	Tecnored	Placilla	3	Diesel oil	Thermoelectric	Conventional	V	Valparaíso	2008
TecnoRed S.A.	Tecnored	Quintay	3	Diesel oil	Thermoelectric	Conventional	V	Valparaíso	2008
TecnoRed S.A.	Tecnored	Linares Norte	0.5	Diesel oil	Thermoelectric	Conventional	VII	Maule	2009
TecnoRed S.A.	Tecnored	San Gregorio	0.5	Diesel oil	Thermoelectric	Conventional	VII	Maule	2009
TecnoRed S.A.	Tecnored	Tapihue	6.4	Natural Gas	Thermoelectric	Conventional	VII	Maule	2009
Tomaval Generacion S.A.	Tomaval Generación	Tomaval 1	1	Diesel oil	Thermoelectric	Conventional	V	Valparaíso	2011
Tomaval Generacion S.A.	Tomaval Generación	Tomaval 2	1.6	Natural Gas	Thermoelectric	Conventional	V	Valparaíso	2012
Energía León S.A.	Energía León	Energía León	7.1	Biomass	Thermoelectric	NCRE	VIII	Biobío	2014
Energia Bío Bío Ltda.	Energía Bio Bio	Energía BioBío	0	Biomass	Thermoelectric	NCRE	VIII	Biobío	2014
Energía Pacífico S.A.	Energía Pacífico	Energía Pacífico	15.6	Biomass	Thermoelectric	NCRE	VI	O'Higgins	2014
Stericycle	Stericycle Urbano SpA	El Molle	4.5	BioGas	Thermoelectric	NCRE	V	Valparaíso	2015
Consorcio Santa Marta S.A.	Santa Marta	Santa Marta	17.732	BioGas	Thermoelectric	NCRE	XIII	Metropolitan	2014
Andes Generación	Andes generación SpA.	Andes Generación	32.5	Diesel oil	Thermoelectric	Conventional	III	Atacama	2016
SAGESA	SAGESA	Rey	0.8	Diesel oil	Thermoelectric	Conventional	XIV	Los Ríos	2016
PMGD Chile Generación Ltda.	PMGD Chile Generación	PMGD Chile Generación	1.5	Diesel oil	Thermoelectric	Conventional	VII	Maule	2017
Generadora Estancilla SpA	Generadora Estancilla	El Nogal	3	Diesel oil	Thermoelectric	Conventional	XIII	Metropolitan	2017
Central Eléctrica El Canelo SpA	Central Eléctrica El Canelo	PMGD El Canelo II	3	Diesel oil	Thermoelectric	Conventional	X	Los Lagos	2017
Genera Austral S.A.	Genera Austral	PMGD Los Pinos (Etapa I)	3	BioGas	Thermoelectric	NCRE	VIII	Biobío	2017
Bio Energía Molina SpA	Bio Energía Molina SpA	PMGD Molina	1	BioGas	Thermoelectric	NCRE	VIII	Biobío	2017
Enerkey SpA	Enerkey	Lepanto	2.5	BioGas	Thermoelectric	NCRE	XIII	Metropolitan	2017
Empresas Lipigas S.A.	Empresas Lipigas S.A.	Lipigas Concón	6	Natural Gas	Thermoelectric	Conventional	V	Valparaíso	2017
Compañía Barrick Chile Generación Ltda.	Barrick Generación	Eólica Punta Colorada	20	Wind	Wind	NCRE	IV	Coquimbo	2011
Enel Green Power Chile	Enel Green Power Chile	Eólica Canela	18.15	Wind	Wind	NCRE	IV	Coquimbo	2007
Enel Green Power Chile	Enel Green Power Chile	Eólica Canela II	60	Wind	Wind	NCRE	IV	Coquimbo	2009
Cristalerias Toro SpA	Parque Eolico Lebu	Eólica Lebu	6.54	Wind	Wind	NCRE	VIII	Biobío	2009 - 2014
Parque Eólico Lebu-Toro SpA	Parque Eólico Lebu	Eólica Lebu (Ampliación II)	3.47	Wind	Wind	NCRE	VIII	Biobío	2017
Eólica Monte Redondo S.A.	EMR	Eólica Monte Redondo	48	Wind	Wind	NCRE	IV	Coquimbo	2010
Parque Talinay Oriente S.A.	Parque Eólico Talinay	Eólica Talinay	90	Wind	Wind	NCRE	IV	Coquimbo	2013
Parque Talinay Poniente S.A.	Parque Eólico Talinay Poniente	Eólica Talinay Poniente	60.6	Wind	Wind	NCRE	IV	Coquimbo	2015
Energías Ucuquer S.A.	Ucuquer	Eólica Ucuquer	7.2	Wind	Wind	NCRE	VI	O'Higgins	2013
Energías Ucuquer Dos S.A.	Ucuquer Dos	Eólica Ucuquer 2	10.75	Wind	Wind	NCRE	VI	O'Higgins	2014
Norvind S.A.	Norvind	Eólica Totoral	46	Wind	Wind	NCRE	IV	Coquimbo	2010
AELA Eólica Negrete SpA	Eólica Negrete	Eólica Cuel	33	Wind	Wind	NCRE	VIII	Biobío	2014
Parque Eólico El Arrayán SpA	Parque Eólico El Arrayán	Eólica El Arrayán	115	Wind	Wind	NCRE	IV	Coquimbo	2014
Alba S.A.	Alba	Eólica San Pedro	36	Wind	Wind	NCRE	X	Los Lagos	2014
Parque Eólico Los Cururos Ltda.	Parque Eólico Los Cururos	Eólica Los Cururos	109.6	Wind	Wind	NCRE	IV	Coquimbo	2014
Parque Eólico Taltal S.A.	Parque Eólico Taltal	Eólica Taltal	99	Wind	Wind	NCRE	II	Antofagasta	2015
Punta Palmeras S.A.	Punta Palmeras	Eólica Punta Palmeras	45	Wind	Wind	NCRE	IV	Coquimbo	2014
Proyecto Raki SpA	RAKI	Eólica Raki	9	Wind	Wind	NCRE	VIII	Biobío	2015
Parque Eólico Renaico SpA	Parque Eólico Renaico SpA	Eólica Renaico	88	Wind	Wind	NCRE	IX	La Araucanía	2016
Proyecto Huajache SpA	Huajache	Eólica Huajache	6	Wind	Wind	NCRE	VIII	Biobío	2015
Eólica La Esperanza S.A.	Eólica La Esperanza S.A.	Eólica La Esperanza	10.5	Wind	Wind	NCRE	VIII	Biobío	
Parque Eólico Renaico SpA	Parque Eólico Renaico S.p.A	Eólica Los Buenos Aires	24	Wind	Wind	NCRE	VIII	Biobío	2016
Parque Eólico San Juan	Energy Focus S.A.	Eólica San Juan	193.2	Wind	Wind	NCRE	III	Atacama	2016
Río Alto Generación S.A.	Río Alto Generación	Eólica San Pedro II	65	Wind	Wind	NCRE	X	Los Lagos	2016
Eólico Las Peñas SpA	Parque Eólico Las Peñas	Eólico Las Peñas	8.4	Wind	Wind	NCRE	VIII	Biobío	2016
Parque Eólico Lebu-Toro SpA	Parque Eólico Lebu	Eólica lebu III	5.25	Wind	Wind	NCRE	VIII	Biobío	2016
Parque solar Luna SpA	Parque Solar Luna SpA	Solar Luna	2.96	Solar	Solar	NCRE	IV	Coquimbo	2015
Parque Solar Fotovoltaico Luz del Norte Spa	Luz del Norte	Solar Luz del Norte	141	Solar	Solar	NCRE	III	Atacama	2015
Commonplace Energy S.A.	Commonplace	Solar Santa Cecilia	2.96	Solar	Solar	NCRE	III	Atacama	2013
Generadora Eléctrica Kaltemp Ltda.	Kaltemp	Solar Tambo Real	2.94	Solar	Solar	NCRE	IV	Coquimbo	2012
RTS Energía S.A.	ENOR CHILE	Solar Esperanza	2.88	Solar	Solar	NCRE	III	Atacama	2013
Solairedirect Generación Andacollo SpA	SDGx1	Solar SDGx01	1.28	Solar	Solar	NCRE	IV	Coquimbo	2013
Subsole Energías Renovables Ltda.	Subsole	Solar Hornitos	0.323	Solar	Solar	NCRE	III	Atacama	2013
San Andrés SpA	San Andrés	Solar San Andrés	50.6	Solar	Solar	NCRE	III	Atacama	2014
Amanecer Solar SpA	Amanecer Solar	Solar Llano de Llampos	101.02	Solar	Solar	NCRE	III	Atacama	2014
PSF Pama S.A.	PSF Pama	Solar PSF Pama	2	Solar	Solar	NCRE	IV	Coquimbo	2014
PSF Lomas Coloradas S.A.	PSF Lomas Coloradas	Solar PSF Lomas Coloradas	2	Solar	Solar	NCRE	IV	Coquimbo	2014
Almeyda Solar SpA	Almeyda Solar	Solar Diego de Almagro	32.05	Solar	Solar	NCRE	III	Atacama	2014
EERM Energías del Futuro S.A.	Energías del Futuro	Solar Techos Altamira	0.15	Solar	Solar	NCRE	XIII	Metropolitan	2014
PV Salvador SpA	PV Salvador SpA	Solar PV Salvador	68	Solar	Solar	NCRE	III	Atacama	2015
EBCO Energía S.A.	EBCO Energía	Solar Las Terrazas	3	Solar	Solar	NCRE	III	Atacama	2014
Empresa Eléctrica Panguipulli S.A.	Eléctrica Panguipulli	Solar Chañares	36	Solar	Solar	NCRE	III	Atacama	2015
Empresa Eléctrica Panguipulli S.A.	Eléctrica Panguipulli	Solar Lalackama 2	16.5	Solar	Solar	NCRE	III	Atacama	2015
Empresa Eléctrica Panguipulli S.A.	Eléctrica Panguipulli	Solar Lalackama	55	Solar	Solar	NCRE	III	Atacama	2015
KDM Energía S.A.	KDM	Solar Loma Los Colorados	1.074	Solar	Solar	NCRE	V	Valparaíso	2015
RTS Energy	RTS Energia S.A.	Solar El Pilar - Los Amarillos	3	Solar	Solar	NCRE	III	Atacama	2015
SOL	Parque Solar Sol del Norte SpA	Solar Sol	2.96	Solar	Solar	NCRE	IV	Coquimbo	2015
Javiera SpA	Javiera	Solar Javiera	65	Solar	Solar	NCRE	III	Atacama	2015
Parque Solar Bellavista SpA	Parque Solar Bellavista SpA	Solar Bellavista	3	Solar	Solar	NCRE	IV	Coquimbo	2016
Parque Eólico Renaico SpA	Parque Eólico Renaico SpA	Solar Carrera Pinto	93.5	Solar	Solar	NCRE	III	Atacama	2015
GR Pan de Azúcar	GR Pacific Pan de Azúcar SpA	Solar Lagunilla	2.95	Solar	Solar	NCRE	IV	Coquimbo	2015
Eléctrica Panguipulli	Empresa Eléctrica Panguipulli S.A.	Solar Pampa Solar Norte	69.3	Solar	Solar	NCRE	II	Antofagasta	2016
Abengoa Chile S.A.	Abengoa	Solar Las Araucarias	0.14	Solar	Solar	NCRE	XIII	Metropolitan	2016
Renovalia Chile Seis SpA	Renovalia Chile Seis SpA	Solar las Mollacas	2.78	Solar	Solar	NCRE	IV	Coquimbo	2016
Renovalia Chile Siete SpA	Renovalia Chile Siete SpA	Solar La Chapeana	2.78	Solar	Solar	NCRE	IV	Coquimbo	2016

COMPANY	COMPANY	GENERATION UNIT	INSTALLED CAPACITY (MW)	SOURCE	TYPE	NCRE/ CONVENTIONAL	REGION	REGION NAME	YEAR PLACED IN SERVICE
SPV P4	SPV P4 S.A.	Solar Santa Julia	3	Solar	Solar	NCRE	V	Valparaíso	2016
Conejo Solar	Conejo Solar SpA	Solar Conejo	104	Solar	Solar	NCRE	II	Antofagasta	2016
Parque Eólico Renaico SpA	Parque Eólico Renaico SpA	Solar La Silla	1.89	Solar	Solar	NCRE	IV	Coquimbo	2016
SDGx05	Solairedirect Generación Andacollo SpA	Solar Los Loros	45.82	Solar	Solar	NCRE	III	Atacama	2016
Tiltil Solar	Hanwha Q Cells Til Til Uno SpA	Solar Til Til	3	Solar	Solar	NCRE	XIII	Metropolitan	2016
SPV P4	SPV P4 S.A.	Solar Chuchiñi	2.88	Solar	Solar	NCRE	IV	Coquimbo	2016
Divisadero	Divisadero S.A.	Solar El Divisadero	3	Solar	Solar	NCRE	IV	Coquimbo	2016
Chungungo S.A.	Chungungo S.A.	Solar Quilapilún	103.02	Solar	Solar	NCRE	XIII	Metropolitan	2016
Teatinos Energía S.A.	Teatinos	Solar Cordillerilla	1.43	Solar	Solar	NCRE	VII	Maule	2016
GR Coigue SpA	GR Coigüe SpA	PMGD Parque Fotovoltaico San Pedro	3	Solar	Solar	NCRE	XIII	Metropolitan	2016
Grenergy Energías Renovables	Grenergy Energías Renovables	Solar Alturas de Ovalle	6	Solar	Solar	NCRE	IV	Coquimbo	2016
Acciona Energía Chile S.A.	Acciona Energía Chile	Solar El Romero	196	Solar	Solar	NCRE	III	Atacama	2017
Gestel Ingeniería Limitada	Gestel Ingeniería Limitada	Solar Ñilhue	1.1	Solar	Solar	NCRE	V	Valparaíso	2016
GR Araucaría SpA	GR Araucaría	Solar La Esperanza II	9	Solar	Solar	NCRE	VI	O'Higgins	2016
Hormiga Solar SpA	Hormiga Solar	Solar Hormiga Solar	2.541	Solar	Solar	NCRE	V	Valparaíso	2016
Central Cardones S.A.	Central Cardones	Solar Piloto Solar Cardones	0.44	Solar	Solar	NCRE	III	Atacama	2017
Boco Solar SpA	Boco Solar SpA	Solar El Boco	3	Solar	Solar	NCRE	V	Valparaíso	2017
GR Canelo SpA	GR Canelo SpA	PMGD PFV Marchigüe II	9	Solar	Solar	NCRE	VI	O'Higgins	2017
Parque Solar Cuz Cuz SpA	Parque Solar Cuz Cuz SpA	Solar Cuz Cuz	3	Solar	Solar	NCRE	IV	Coquimbo	2017
Sun Energreen SA	Sun Energreen	PMGD Altos del Paico	2.1	Solar	Solar	NCRE	XIII	Metropolitan	2017
CINTAC S.A.	Cintac	PMGD Cintac	2.77	Solar	Solar	NCRE	XIII	Metropolitan	2017
Energía Cerro El Morado S.A.	Energía Cerro El Morado	Solar Doña Carmen Solar	34.917	Solar	Solar	NCRE	V	Valparaíso	2017
Sybac Solar Systems Chile SpA	Sybac	Solar Las Turcas	3	Solar	Solar	NCRE	XIII	Metropolitan	2017
Genpac	Genpac	Solar Antay	13	Solar	Solar	NCRE	III	Atacama	2017
San Francisco Solar SpA	San Francisco Solar SpA	Solar San Francisco	3	Solar	Solar	NCRE	XIII	Metropolitan	2017
Valle de la Luna II SpA	Valle de la Luna II SpA	Solar Valle de la Luna II	3	Solar	Solar	NCRE	XIII	Metropolitan	2017
Sybac Solar Systems Chile SpA	Energy SpA	El Queltehue	3	Solar	Solar	NCRE	XIII	Metropolitan	2017
Chester Solar IV SpA	Chester Solar IV SpA	El Roble	9	Solar	Solar	NCRE	XIII	Metropolitan	2017
Im2 Solar Chile	La Quinta Solar SpA	Solar La Quinta	2.9	Solar	Solar	NCRE	XIII	Metropolitan	2017
GR Lingue SpA	GR Lingue SpA	Panquehue II	6	Solar	Solar	NCRE	V	Valparaíso	2017
Grenenergy Renovable	GR Espino SpA	Parque Fotovoltaico Homero	3	Solar	Solar	NCRE	VI	O'Higgins	2017
SunPower Corporation SpA.	SunPower Corporation SpA	Solar El Pelícano	100.3	Solar	Solar	NCRE	IV	Coquimbo	2017
Orion Power S.A.	GR Tiaca SpA	Don Eugenio	3	Solar	Solar	NCRE	VI	O'Higgins	2017
GR Boldo SpA	GR Boldo SpA	Francisco Solar	3	Solar	Solar	NCRE	VI	O'Higgins	2017
GR Guayacán SpA.	GR Guayacán SpA	Cabilsol	3	Solar	Solar	NCRE	V	Valparaíso	2017
Sybac Solar Systems Chile SpA	O Energy Asesorías y Proyectos de Gestión SpA	El Pilpén	3	Solar	Solar	NCRE	V	Metropolitan	2017
California Ventures SpA.	PMGD Santuario SpA	Santuario Solar	3.43	Solar	Solar	NCRE	V	Valparaíso	2017
La Manga Energy SpA	La Manga Energy SpA	La Manga I	2.96	Solar	Solar	NCRE	XIII	Metropolitan	2017
GR Tineo SpA	Grenergy Renovales Pacific	Chimbarongo	3	Solar	Solar	NCRE	VI	O'Higgins	2017
Santiago Solar S.A.	Santiago Solar S.A.	PFV Santiago Solar	115	Solar	Solar	NCRE	XIII	Metropolitan	2017
Sybac Solar Systems Chile SpA	Sybac Solar Project Company II SpA	El Cernícalo 2	1.5	Solar	Solar	NCRE	VIII	Biobío	2017
GR Patagua SpA	GR Patagua SpA	La Frontera	4.8	Solar	Solar	NCRE	VI	O'Higgins	2017
GR Radal SpA	GR Radal SpA	Portezuelo	3	Solar	Solar	NCRE	VI	O'Higgins	2017
Aes Gener S.A.	Aes Gener	Andes Solar	21.795	Solar	Solar	NCRE	II	Antofagasta	2016
Aes Gener S.A.	Aes Gener	Termoeléctrica Norgener	139.5	Coal	Thermoelectric	Conventional	II	Antofagasta	1995
Aes Gener S.A.	Aes Gener	Termoeléctrica Norgener	135.8	Coal	Thermoelectric	Conventional	II	Antofagasta	2011
Central Termoeléctrica Andina S.A.	Andina	Termoeléctrica Andina	177	Coal	Thermoelectric	Conventional	II	Antofagasta	2011
Empresa Eléctrica Angamos S.A.	Angamos	Termoeléctrica Angamos	276.9	Coal	Thermoelectric	Conventional	II	Antofagasta	2011
Empresa Eléctrica Angamos S.A.	Angamos	Termoeléctrica Angamos	281.3	Coal	Thermoelectric	Conventional	II	Antofagasta	2011
Aes Gener S.A.	Cochrane	Cochrane	274.918	Coal	Thermoelectric	Conventional	II	Antofagasta	2016
Aes Gener S.A.	Cochrane	Cochrane	274.801	Coal	Thermoelectric	Conventional	II	Antofagasta	2016
Egp Sur	Egp Sur	Parque Eólico Sierra Gorda Este	112	Wind	Wind	NCRE	II	Antofagasta	2016
Enel Green Power Del Sur Spa	Egp Sur	Parque Solar Finis Terrae	138	Solar	Solar	NCRE	II	Antofagasta	2017
Engie Energía Chile S.A.	Engie	Chapiquiña	10.894	Run-of-river hydro	Hydroelectric	Conventional	XV	Arica y Parinacota	1967
Engie Energía Chile S.A.	Engie	Chapiquiña	0	Run-of-river hydro	Hydroelectric	Conventional	XV	Arica y Parinacota	1967
Engie Energía Chile S.A.	Engie	Diésel Arica	8.4	Diesel	Thermoelectric	Conventional	XV	Arica y Parinacota	1953
Engie Energía Chile S.A.	Engie	Diésel Arica	0	Diesel	Thermoelectric	Conventional	XV	Arica y Parinacota	1953
Engie Energía Chile S.A.	Engie	Diésel Arica	0	Diesel	Thermoelectric	Conventional	XV	Arica y Parinacota	1953
Engie Energía Chile S.A.	Engie	Diésel Arica	0	Diesel	Thermoelectric	Conventional	XV	Arica y Parinacota	1953
Engie Energía Chile S.A.	Engie	Diésel Arica	2.997	Diesel	Thermoelectric	Conventional	XV	Arica y Parinacota	1953
Engie Energía Chile S.A.	Engie	Diésel Arica	0	Diesel	Thermoelectric	Conventional	XV	Arica y Parinacota	1953
Engie Energía Chile S.A.	Engie	Diésel Arica	0	Diesel	Thermoelectric	Conventional	XV	Arica y Parinacota	1953
Engie Energía Chile S.A.	Engie	Diésel Arica	2.924	Diesel	Thermoelectric	Conventional	XV	Arica y Parinacota	1953
Engie Energía Chile S.A.	Engie	Diésel Arica	0	Diesel	Thermoelectric	Conventional	XV	Arica y Parinacota	1953
Enaex S.A.	Engie	Diésel Enaex	0.722	Diesel	Thermoelectric	Conventional	II	Antofagasta	1996
Enaex S.A.	Engie	Diésel Enaex	1.959	Diesel	Thermoelectric	Conventional	II	Antofagasta	1996
Enaex S.A.	Engie	Diésel Enaex	0	Diesel	Thermoelectric	Conventional	II	Antofagasta	1996
Enaex S.A.	Engie	Diésel Enaex	0	Diesel	Thermoelectric	Conventional	II	Antofagasta	1996
Engie Energía Chile S.A.	Engie	Diésel Iquique	5.93	Diesel + Fuel Oil	Thermoelectric	Conventional	XV	Tarapacá	1957
Engie Energía Chile S.A.	Engie	Diésel Iquique	2.924	Diesel	Thermoelectric	Conventional	XV	Tarapacá	1960
Engie Energía Chile S.A.	Engie	Diésel Iquique	0	Diesel	Thermoelectric	Conventional	XV	Tarapacá	1960
Engie Energía Chile S.A.	Engie	Diésel Iquique	6.2	Diesel + Fuel Oil	Thermoelectric	Conventional	XV	Tarapacá	1960
Engie Energía Chile S.A.	Engie	Diésel Iquique	4.2	Diesel	Thermoelectric	Conventional	XV	Tarapacá	1957
Engie Energía Chile S.A.	Engie	Diésel Iquique	0	Diesel	Thermoelectric	Conventional	XV	Tarapacá	1957
Engie Energía Chile S.A.	Engie	Diésel Iquique	0	Diesel	Thermoelectric	Conventional	XV	Tarapacá	1957
Engie Energía Chile S.A.	Engie	Diésel Iquique	23.75	Diesel	Thermoelectric	Conventional	XV	Tarapacá	1960
Engie Energía Chile S.A.	Engie	Diésel Tamaya	103.68	Fuel Oil Nro. 6	Thermoelectric	Conventional	II	Antofagasta	2009
Engie Energía Chile S.A.	Engie	Diésel Tamaya	0	Fuel Oil Nro. 6	Thermoelectric	Conventional	II	Antofagasta	2009
Engie Energía Chile S.A.	Engie	Diésel Tamaya	0	Fuel Oil Nro. 6	Thermoelectric	Conventional	II	Antofagasta	2009
Engie Energía Chile S.A.	Engie	Diésel Tamaya	0	Fuel Oil Nro. 6	Thermoelectric	Conventional	II	Antofagasta	2009
Engie Energía Chile S.A.	Engie	Diésel Tamaya	0	Fuel Oil Nro. 6	Thermoelectric	Conventional	II	Antofagasta	2009
Engie Energía Chile S.A.	Engie	Diésel Tamaya	0	Fuel Oil Nro. 6	Thermoelectric	Conventional	II	Antofagasta	2009
Engie Energía Chile S.A.	Engie	Diésel Tamaya	0	Fuel Oil Nro. 6	Thermoelectric	Conventional	II	Antofagasta	2009
Engie Energía Chile S.A.	Engie	Diésel Tamaya	0	Fuel Oil Nro. 6	Thermoelectric	Conventional	II	Antofagasta	2009
Engie Energía Chile S.A.	Engie	Diésel Tamaya	0	Fuel Oil Nro. 6	Thermoelectric	Conventional	II	Antofagasta	2009
Engie Energía Chile S.A.	Engie	Diésel Tamaya	0	Fuel Oil Nro. 6	Thermoelectric	Conventional	II	Antofagasta	2009
Engie Energía Chile S.A.	Engie	Parque Solar Pampa Camarones	6.24	Solar	Solar	NCRE	XV	Arica y Parinacota	2016
Engie Energía Chile S.A.	Engie	Solar El Águila I	2.045	Solar	Solar	NCRE	XV	Arica y Parinacota	2016
Engie Energía Chile S.A.	Engie	Termoeléctrica Mejillones	159.63	Coal	Thermoelectric	Conventional	II	Antofagasta	1995
Engie Energía Chile S.A.	Engie	Termoeléctrica Mejillones	173.84	Coal	Thermoelectric	Conventional	II	Antofagasta	1995
Engie Energía Chile S.A.	Engie	Termoeléctrica Mejillones	250.75	Natural Gas	Thermoelectric	Conventional	II	Antofagasta	2014
Engie Energía Chile S.A.	Engie	Termoeléctrica Mejillones	0	Natural Gas	Thermoelectric	Conventional	II	Antofagasta	2014
Engie Energía Chile S.A.	Engie	Termoeléctrica Mejillones	0	Natural Gas	Thermoelectric	Conventional	II	Antofagasta	2014

COMPANY	COMPANY	GENERATION UNIT	INSTALLED CAPACITY (MW)	SOURCE	TYPE	NCRE/ CONVENTIONAL	REGION	REGION NAME	YEAR PLACED IN SERVICE
Engie Energía Chile S.A.	Engie	Termoeléctrica Mejillones	0	Natural Gas	Thermoelectric	Conventional	II	Antofagasta	2014
Engie Energía Chile S.A.	Engie	Termoeléctrica Tocopilla	20.52	Diesel	Thermoelectric	Conventional	II	Antofagasta	1960
Engie Energía Chile S.A.	Engie	Termoeléctrica Tocopilla	20.52	Diesel	Thermoelectric	Conventional	II	Antofagasta	1960
Engie Energía Chile S.A.	Engie	Termoeléctrica Tocopilla	36.23	Natural Gas	Thermoelectric	Conventional	II	Antofagasta	2014
Engie Energía Chile S.A.	Engie	Termoeléctrica Tocopilla	0	Natural Gas	Thermoelectric	Conventional	II	Antofagasta	1960
Engie Energía Chile S.A.	Engie	Termoeléctrica Tocopilla	86.94	Coal	Thermoelectric	Conventional	II	Antofagasta	1999
Engie Energía Chile S.A.	Engie	Termoeléctrica Tocopilla	85.67	Coal	Thermoelectric	Conventional	II	Antofagasta	1999
Engie Energía Chile S.A.	Engie	Termoeléctrica Tocopilla	136.4	Coal	Thermoelectric	Conventional	II	Antofagasta	1999
Engie Energía Chile S.A.	Engie	Termoeléctrica Tocopilla	132.4	Coal	Thermoelectric	Conventional	II	Antofagasta	1999
Engie Energía Chile S.A.	Engie	Termoeléctrica Tocopilla	361.12	Natural Gas	Thermoelectric	Conventional	II	Antofagasta	2014
Engie Energía Chile S.A.	Engie	Termoeléctrica Tocopilla	0	Natural Gas	Thermoelectric	Conventional	II	Antofagasta	1960
Engie Energía Chile S.A.	Engie	Termoeléctrica Tocopilla	0	Natural Gas	Thermoelectric	Conventional	II	Antofagasta	1960
Engie Energía Chile S.A.	Engie	Termoeléctrica Tocopilla	0	Natural Gas	Thermoelectric	Conventional	II	Antofagasta	1960
Engie Energía Chile S.A.	Engie	Termoeléctrica Tocopilla	0	Natural Gas	Thermoelectric	Conventional	II	Antofagasta	1960
Engie Energía Chile S.A.	Engie	Termoeléctrica Tocopilla	0	Natural Gas	Thermoelectric	Conventional	II	Antofagasta	1960
Minera Mantos Blancos	Enorchile	Diésel Mantos Blancos	28.64	Diesel	Thermoelectric	Conventional	II	Antofagasta	1995
Minera Mantos Blancos	Enorchile	Diésel Mantos Blancos	0	Diesel	Thermoelectric	Conventional	II	Antofagasta	1995
Minera Mantos Blancos	Enorchile	Diésel Mantos Blancos	0	Diesel	Thermoelectric	Conventional	II	Antofagasta	1995
Minera Mantos Blancos	Enorchile	Diésel Mantos Blancos	0	Diesel	Thermoelectric	Conventional	II	Antofagasta	1995
Minera Mantos Blancos	Enorchile	Diésel Mantos Blancos	0	Diesel	Thermoelectric	Conventional	II	Antofagasta	1995
Minera Mantos Blancos	Enorchile	Diésel Mantos Blancos	0	Diesel	Thermoelectric	Conventional	II	Antofagasta	1995
Minera Mantos Blancos	Enorchile	Diésel Mantos Blancos	0	Diesel	Thermoelectric	Conventional	II	Antofagasta	1995
Minera Mantos Blancos	Enorchile	Diésel Mantos Blancos	0	Diesel	Thermoelectric	Conventional	II	Antofagasta	1995
Minera Mantos Blancos	Enorchile	Diésel Mantos Blancos	0	Diesel	Thermoelectric	Conventional	II	Antofagasta	1995
Minera Mantos Blancos	Enorchile	Diésel Mantos Blancos	0	Diesel	Thermoelectric	Conventional	II	Antofagasta	1995
Enorchile S.A.	Enorchile	Diésel Zofri	0.45	Diesel	Thermoelectric	Conventional	I	Tarapacá	2007
Enorchile S.A.	Enorchile	Diésel Zofri	5.16	Diesel	Thermoelectric	Conventional	I	Tarapacá	1996
Enorchile S.A.	Enorchile	Diésel Zofri	0	Diesel	Thermoelectric	Conventional	I	Tarapacá	1996
Enorchile S.A.	Enorchile	Diésel Zofri	0	Diesel	Thermoelectric	Conventional	I	Tarapacá	1996
Enorchile S.A.	Enorchile	Diésel Zofri	0	Diesel	Thermoelectric	Conventional	I	Tarapacá	1996
Enorchile S.A.	Enorchile	Diésel Zofri	0.45	Diesel	Thermoelectric	Conventional	I	Tarapacá	2007
Enorchile S.A.	Enorchile	Estandartes	1.6	Diesel	Thermoelectric	Conventional	I	Tarapacá	2013
Enorchile S.A.	Enorchile	Estandartes	4.8	Diesel	Thermoelectric	Conventional	I	Tarapacá	2009
Enorchile S.A.	Enorchile	Estandartes	0	Diesel	Thermoelectric	Conventional	I	Tarapacá	2009
Enorchile S.A.	Enorchile	Estandartes	0	Diesel	Thermoelectric	Conventional	I	Tarapacá	2009
Enorchile S.A.	Enorchile	Estandartes	0	Diesel	Thermoelectric	Conventional	I	Tarapacá	2009
Enorchile S.A.	Enorchile	Estandartes	0	Diesel	Thermoelectric	Conventional	I	Tarapacá	2009
Enorchile S.A.	Enorchile	Estandartes	0	Diesel	Thermoelectric	Conventional	I	Tarapacá	2009
Minera Collahuasi	Enorchile	Ujina	6.7	Fuel Oil Nro. 6	Thermoelectric	Conventional	I	Tarapacá	2016
Minera Collahuasi	Enorchile	Ujina	6.7	Fuel Oil Nro. 6	Thermoelectric	Conventional	I	Tarapacá	2016
Minera Collahuasi	Enorchile	Ujina	6.7	Fuel Oil Nro. 6	Thermoelectric	Conventional	I	Tarapacá	2016
Minera Collahuasi	Enorchile	Ujina	6.7	Fuel Oil Nro. 6	Thermoelectric	Conventional	I	Tarapacá	2016
Minera Collahuasi	Enorchile	Ujina	8.9	Fuel Oil Nro. 6	Thermoelectric	Conventional	I	Tarapacá	2016
Minera Collahuasi	Enorchile	Ujina	8.9	Fuel Oil Nro. 6	Thermoelectric	Conventional	I	Tarapacá	2016
Equipos de Generacion	Equipos de Generacion	Diésel Inacal	6.8	Diesel	Thermoelectric	Conventional	II	Antofagasta	2009
Equipos de Generacion	Equipos de Generacion	Diésel Inacal	0	Diesel	Thermoelectric	Conventional	II	Antofagasta	2009
Equipos de Generacion	Equipos de Generacion	Diésel Inacal	0	Diesel	Thermoelectric	Conventional	II	Antofagasta	2009
Equipos de Generacion	Equipos de Generacion	Diésel Inacal	0	Diesel	Thermoelectric	Conventional	II	Antofagasta	2009
Fotovoltaica Norte Grande 5	Fotovoltaica Norte Grande 5	Uribe Solar	52.8	Solar	Solar	NCRE	II	Antofagasta	2017
Gasatacama Generación S.A.	Gasatacama	Atacama	395.9	Natural Gas	Thermoelectric	Conventional	II	Antofagasta	1999
Gasatacama Generación S.A.	Gasatacama	Atacama	0	Natural Gas	Thermoelectric	Conventional	II	Antofagasta	1999
Gasatacama Generación S.A.	Gasatacama	Atacama	0	Natural Gas	Thermoelectric	Conventional	II	Antofagasta	1999
Gasatacama Generación S.A.	Gasatacama	Atacama	384.7	Natural Gas	Thermoelectric	Conventional	II	Antofagasta	2014
Gasatacama Generación S.A.	Gasatacama	Atacama	0	Natural Gas	Thermoelectric	Conventional	II	Antofagasta	2014
Gasatacama Generación S.A.	Gasatacama	Atacama	0	Natural Gas	Thermoelectric	Conventional	II	Antofagasta	2014
Compañía Eléctrica Tarapacá S.A.	Gasatacama	Termoeléctrica Tarapacá	158	Coal	Thermoelectric	Conventional	I	Tarapacá	1999
Compañía Eléctrica Tarapacá S.A.	Gasatacama	Termoeléctrica Tarapacá	23.75	Diesel	Thermoelectric	Conventional	I	Tarapacá	1995
Generación Solar SpA	Generación Solar SpA	Maria Elena Fv	68	Solar	Solar	NCRE	II	Antofagasta	2015
Geotérmica del Norte S. A.	Geotérmica Del Norte	Cerro Pabellón	27.5	Geothermal	Geothermal	NCRE	II	Antofagasta	2017
Geotérmica del Norte S. A.	Geotérmica Del Norte	Cerro Pabellón	27.5	Geothermal	Geothermal	NCRE	II	Antofagasta	2017
Helio Atacama Tres SpA	Helio Atacama Tres	Fv Bolero	146.64	Solar	Solar	NCRE	II	Antofagasta	2017
Inversiones Hornitos S.A.	Hornitos	Termoeléctrica Hornitos	177.54	Coal	Thermoelectric	Conventional	II	Antofagasta	2011
Noracid S.A.	Noracid	Planta de Ácido Sulfúrico Mejillones	17.5	Co-generation	Co-generation	Conventional	II	Antofagasta	2012
Ingenova S.A.	On Group	Diésel Aguas Blancas	2	Diesel	Thermoelectric	Conventional	II	Antofagasta	2013
Ingenova S.A.	On Group	Diésel Aguas Blancas	0	Diesel	Thermoelectric	Conventional	II	Antofagasta	2013
Planta Solar San Pedro Iii SpA	Planta Solar San Pedro Iii	Solar Jama	30.24	Solar	Solar	NCRE	II	Antofagasta	2015
Planta Solar San Pedro Iii SpA	Planta Solar San Pedro Iii	Solar Jama	22.41	Solar	Solar	NCRE	II	Antofagasta	2016
Pozo Almonte Solar 2 S.A.	Pozo Almonte Solar 2	Pozo Almonte Solar 2	7.516	Solar	Solar	NCRE	I	Tarapacá	2014
Pozo Almonte Solar 3	Pozo Almonte Solar 3	Pozo Almonte Solar 3	16.038	Solar	Solar	NCRE	I	Tarapacá	2014
Sps La Huayca S.A.	Sps La Huayca	La Huayca Ii	25.05	Solar	Solar	NCRE	I	Tarapacá	2014
Tamakaya Energía SpA	Tamakaya Energía	Kelar	532.46	Natural Gas	Thermoelectric	Conventional	II	Antofagasta	2016
Tamakaya Energía SpA	Tamakaya Energía	Kelar	0	Natural Gas	Thermoelectric	Conventional	II	Antofagasta	2016
Tamakaya Energía SpA	Tamakaya Energía	Kelar	0	Natural Gas	Thermoelectric	Conventional	II	Antofagasta	2016
Tecnet S.A.	Tecnet	Diésel La Portada	3	Diesel	Thermoelectric	Conventional	II	Antofagasta	2014
Tecnet S.A.	Tecnet	Diésel La Portada	0	Diesel	Thermoelectric	Conventional	II	Antofagasta	2014
Tecnet S.A.	Tecnet	Diésel La Portada	0	Diesel	Thermoelectric	Conventional	II	Antofagasta	2014
Parque Eólico Valle De Los Vientos S.A.	Valle De Los Vientos	Eólica Valle de los Vientos	90	Wind	Wind	NCRE	II	Antofagasta	2014
Cavancha S.A.	Cavancha	Cavancha	2.8	Run-of-river hydro	Hydroelectric	NCRE	I	Tarapacá	2010
Parque Solar Los Puquios SpA	Los Puquios	Los Puquios	2.47	Solar	Solar	NCRE	I	Tarapacá	2015
Enernuevas S.A.	Enernuevas	Minihidro Alto Hospicio	1.1	Run-of-river hydro	Hydroelectric	NCRE	I	Tarapacá	2010
Enernuevas S.A.	Enernuevas	Minihidro El Toro N°2	1.1	Run-of-river hydro	Hydroelectric	NCRE	I	Tarapacá	2010
Enernuevas S.A.	Enernuevas	Minihidro Santa Rosa	1.25	Run-of-river hydro	Hydroelectric	NCRE	I	Tarapacá	2014
Pozo Almonte Solar 1 S.A.	Pozo Almonte Solar 1	Pozo Almonte Solar 1	9	Solar	Solar	NCRE	I	Tarapacá	2015
Calama Solar I	Calama Solar I	Pmgd Calama Solar I	9	Solar	Solar	NCRE	II	Antofagasta	2017
Pmgd Pica Pilot	Pmgd Pica Pilot	Pmgd Pica	0.63	Solar	Solar	NCRE	I	Tarapacá	2015
Cerro Dominador Pv	Cerro Dominador Pv	Cerro Dominador Pv	99.05	Solar	Solar	NCRE	II	Antofagasta	2017
Puerto Seco Solar	Puerto Seco Solar	Planta Solar Fotovoltaica Puerto Seco Solar	8.9	Solar	Solar	NCRE	II	Antofagasta	2017
Pozo Almonte Solar 1 S.A.	Pozo Almonte Solar 1	Pozo Almonte Solar 1	9	Solar	Solar	NCRE	I	Tarapacá	2015
Calama Solar I	Calama Solar I	Pmgd Calama Solar I	9	Solar	Solar	NCRE	II	Antofagasta	2017
Pmgd Pica Pilot	Pmgd Pica Pilot	Pmgd Pica	0.63	Solar	Solar	NCRE	I	Tarapacá	2015
Cerro Dominador Pv	Cerro Dominador Pv	Cerro Dominador Pv	99.05	Solar	Solar	NCRE	II	Antofagasta	2017
Puerto Seco Solar	Puerto Seco Solar	Planta Solar Fotovoltaica Puerto Seco Solar	8.9	Solar	Solar	NCRE	II	Antofagasta	2017

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