

MONTHLY ENERGY SECTOR REPORT

NATIONAL ENERGY COMMISSION



VOLUME No. 19

September 2016

HIGHLIGHTS

During the last month, the energy sector has witnessed a series of milestones that reflect the hard work of both the National Energy Commission and the Ministry of Energy. The following are among the principal achievements:

National Energy Commission (CNE) and Electricity Companies realizes a roadshow through Europe to promote the future energy tender supply

The National Energy Commission in cooperation with the Gremial Association of Electricity Companies, CGE and Chilectra – were this last two are energy distributors- performed on September 19th, 20th, and 21th an international roadshow between Madrid and Rome in order to increase the entrance of new international companies to the energy tender supply for regulated customers, coming up in 2017.

During the roadshow were also reviewed all the international best practices in the energy distribution matter, aligned with the start of the public discussion of a new regulatory framework in this topic.

In Madrid the delegation met with the Association of Renewable Companies (APPA, its acronym in Spanish), the Photovoltaic Spanish Union (UNEF) and the Spanish Association for the Solar Thermal Industry (Protermosolar, in Spanish). There also met with “Ibereólica”, Global Power Generation, “Iberdrola”, “Acciona” and “Gas Natural Fenosa”. In the other hand, during its time in Rome, they had interviews with representatives from the Enel Energy Group.

During October and November 2016 are planned roadshows in Beijing, China and also in Toronto, Montreal and Quebec, Canada.

30 postulants applied for the public tender in order to form the future independent coordinator board

A total of 30 applicants in the public tender launched last August 7th by the Special Nominating Committee to form the Board of the Independent Coordinator; as established by Law No. 20,936 law and were was created a new electric transmission system and a Coordinator presented independent National Electric System. It was reported that September 30th will be appointed the Board members of the Coordinating and its chairman, who will must select the Executive Director of the agency.

Transmission Law regulations continue in process of elaboration

From the publication of Law No. 20,936, which sets a new electric transmission system and creates an independent coordinator of the national electricity system, the Ministry of Energy and the National Energy Commission have been developing regulations that will apply and support this new legal framework.

About 300 people signed up to participate in a various workshops, which have been aimed to defined the central aspects of these regulations, which must be issued no later than within the first half of 2017.

Minister of energy began several meetings along Chile to expose the benefits about the new Electricity Equity Fares Law

The Minister of Energy, Maximo Pacheco, began several meetings along Chile, with neighbors and residents of different regions of the country, with the aim of spread the word with the benefits of the new Electricity Equity Fares Law (No. 20,928).

The tour began in the Biobío region, where he met with residents of the communities of Santa Barbara and Quilaco, and explained the new recognition those municipalities that contribute most power generation, primarily by holding in their communities those generation projects that they will reduce the price of their electricity bills and secondly by the operation of those energy centrals.

The delegation also reached the Maule, Colbún and San Clemente, in the region of Maule; and Tocopilla and Mejillones, in the region of Antofagasta.

The Ministry of Energy, the National Energy Commission and the Superintendency of Electricity and Fuels, launched the website www.equidadtarifaria.cl and the phone lines +56 600 6000 73 and +562 2750 9999 to provide information and guidance to the public on the new law.

SUMMARY

This report was prepared in September 2016 in order to provide energy information and statistics August 2016.

The report's content has been organized into four chapters to facilitate analysis. These four chapters provide information about the electricity sector, international and domestic markets for oil and gas, the status and progress of environmental approvals for energy projects, and finally the main regulatory aspects affecting the sector during the month of August.

This publication contains official information from external sources as well as from the National Energy Commission (CNE).

To prepare the report, an average exchange rate of 658.89 CLP per USD observed during August 2016.

According to Exempt Resolution No. 600, there were 56 electricity generation projects under construction in the SIC and SING, equivalent to a capacity of 4,176 MW.

The installed capacity of the SIC in August was 16,487 MW and SING it was 4,089 MW, plus the installed capacity in the Aysén (SEA) and Magallanes (SEM) electricity systems. In aggregate, the four systems—including Easter Island and Los Lagos—reach up to an installed capacity of 20,751 MW.

Meanwhile, total electric power generation in the SIC during August was 4,515 GWh, and in the SING it reached 1,639 GWh. Therefore, the total generated was 6,154 GWh, -1.3% lower than in July 2015.

The maximum hourly demand recorded in the SIC and the SING in August were 7,311 MW and 2,438 MW, respectively. The maximum in the SIC was recorded on August 24th while the measurement in the SING corresponds to August 1st, 2016.

Regarding electricity rates, it is important to note that the average marginal cost in August in the SIC was 46.7 USD/MWh, -53.5% lower compared to the previous month, July 2016. In the SING meanwhile, the average marginal cost was 49.6 USD/MWh, -39.6% lower than the previous month.

It is worth to highlight the average market prices recorded in August in the SIC and SING which were 98.8 USD/MWh and 78.8 USD/MWh, respectively.

In terms of international fuel prices, the Brent crude price was 45.8 USD/bbl, 1.9% higher than the previous month. Meanwhile, the average price of WTI crude was 44.8 USD/bbl, and -0.3% lower than the previous month. The Henry Hub price (international natural gas price reference) decrease -0.1% compared to July, with an average value of 2.79 USD/MMBtu. The average price of coal was 74.4 USD/ton, increasing about 5.4% over the previous month.

In terms of gasoline prices, those of 93-octane gasoline (unleaded) and diesel should be noted. In August the average domestic price of the former was 697 CLP/liter, while the average price of the latter was 459 CLP/liter. In terms of percentages, these represent a down of -2.4% and -2.2% respectively in comparison to July 2016.

A total of 15 energy sector projects were submitted to the Environmental Impact Evaluation System (Sistema de Evaluación de Impacto Ambiental, SEIA): 10 were for electricity generation, 2 were for electricity transmission energy project and 3 were for oil and gas energy projects. Meanwhile, those projects which are already being evaluated represent a total investment of USD 32,725 million. In addition, 11 projects related to the energy sector obtained favorable environmental qualification resolutions (Resolución de Calificación Ambiental, or RCA) in August, and of those, 3 were for electricity generation, 3 were for high-voltage electricity transmission line projects and 5 were for oil and gas energy projects.

Finally, among the most important occurred during August related to normative and regulatory framework, it's the publication in the Official Bulletin dated August 29th, 2016, Exempt Resolution No. 638 of the National Energy Commission, which approves a "Technical Standard for programming and coordination of the operation re-gasified natural gas units". Furthermore, on September 3th, 2016, it was published in the Official Bulletin also the Exempt Resolution No. 641 of the National Energy Commission, dated August 30, 2016 were established deadlines, requirements and conditions for the pricing Short Term Knot.



CONTENTS



Electricity Sector

5

1. Electricity Generation Projects Under Construction 5
2. Installed Electricity Generation Capacity 7
3. Electricity Generation 8
4. Maximum Hourly Demand 9
5. Marginal Costs 9
6. Average Market Price 10
7. Short-term Node Prices 10
8. Node Price in Medium-size Systems 11
9. Evolution of Variable Distribution Cost Indexes 12
10. Hydrological Statistics 12



Oil and Gas Sector

14

1. International Fuel Market Prices 14
2. Domestic Liquid Fuel Prices 15
3. Fuel Gross Margins 16
4. Domestic Prices of Network Gas Supplied through Concessions 17
5. Domestic Prices of Bottled Liquefied Petroleum Gas 18
6. Fuel Imports and Exports 19
7. Fuel Sales 21
8. Fuel Inventory 21



Energy Projects Undergoing Environmental Evaluation

22

1. Projects Submitted for Environmental Evaluation 22
2. Energy Projects Currently Being Evaluated 22
3. Projects with Approved Environmental Qualification Resolution 23



Sector Regulations

24

1. Proposed Legislations in Process 24
2. Sector Regulations Published in the Official Bulletin 24
3. Sector Regulations Not Published in the Official Bulletin 25
4. Expert Panel Rulings 25



ELECTRICITY SECTOR

1 Electricity Generation Projects Under Construction

As indicated in Article 31 of the Node Price Setting Regulation (0586/2012), "installations under construction" are defined as generation units, transmission lines and electrical substations that have been granted the respective construction permits for civil works or have been granted the order to proceed in the fabrication and/or installation of the corresponding electrical or electromagnetic equipment for electricity generation, transmission or transformation. For more information about NCRE projects, please go to the [Monthly NCRE Report](#).

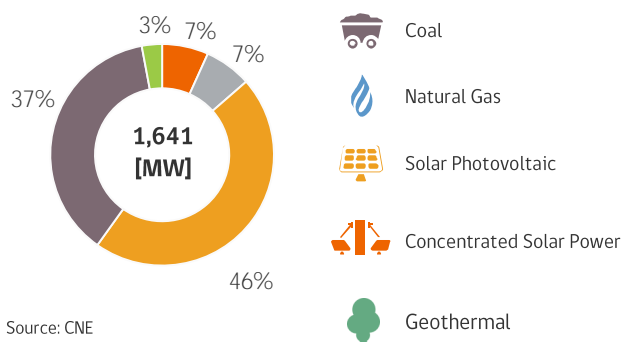
According to Exempt Resolution Num. 600, "Works under Construction Update and Report," as of August 04 th there were 24 power generation projects under construction in the SING. Together they represent capacity of 1,641 MW and are projected to begin operation between August 2016 and June 2018.

Projects under Construction in the SING

Category	Date	Project Name	Region	Technology	Capac. [MW]
NCRE	ago-16	Sierra Gorda	II Región	Wind	112
	ago-16	Bolero I	II Región	Solar Photovoltaic	42
	ago-16	Bolero II	II Región	Solar Photovoltaic	42
	ago-16	Bolero III	II Región	Solar Photovoltaic	21
	oct-16	Blue Sky 1	II Región	Solar Photovoltaic	52
	oct-16	Blue Sky 2	II Región	Solar Photovoltaic	34
	oct-16	Uribe Solar	II Región	Solar Photovoltaic	50
	oct-16	PV Cerro Dominador	II Región	Solar Photovoltaic	100
	oct-16	Bolero IV	II Región	Solar Photovoltaic	41
	dic-16	Cerro Pabellón	II Región	Geothermal	48
	ene-17	Arica Solar I	XV Región	Solar Photovoltaic	18
	ene-17	Arica Solar II	XV Región	Solar Photovoltaic	22
	mar-17	Quillagua I	II Región	Solar Photovoltaic	23
	jun-17	Cerro Dominador	II Región	Cogeneration	110
	jun-17	Pular	II Región	Solar Photovoltaic	29
	jun-17	Paruma	II Región	Solar Photovoltaic	21
	jun-17	Lascar I	II Región	Solar Photovoltaic	30
	jun-17	Lascar II	II Región	Solar Photovoltaic	35
	sep-17	Huatacondo	I Región	Solar Photovoltaic	98
	oct-17	Quillagua II	II Región	Solar Photovoltaic	27
	oct-17	Usya	II Región	Solar Photovoltaic	25
	jun-18	Quillagua III	II Región	Solar Photovoltaic	50
Thermoelectric	oct-16	Cochrane U2	II Región	Coal	236
	feb-18	IEM	II Región	Coal	375

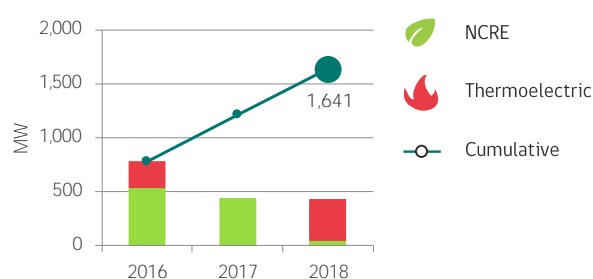
Source: CNE

Total under construction in the SING, by technology



Source: CNE

Projected operation start date, SING



Source: CNE



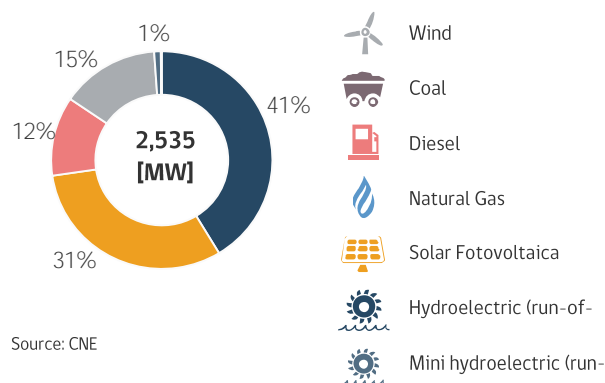
According to Exempt Resolution No. 600 , "Works under Construction Update and Report," as of August 04 there were **32** power generation projects under construction in the SIC. Together they represent capacity of 2,535 MW and are projected to begin operation between August 2016 and October 2020.

Projects under Construction in the SIC

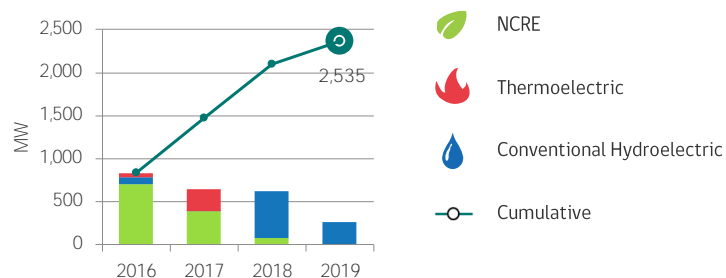
Category	Date	Project Name	Region	Technology	Capac. [MW]
NCRE	ago-16	La Montaña I	VII Región	Mini hydroelectric (run-of-river)	3
	ago-16	Río Colorado	VII Región	Mini hydroelectric (run-of-river)	15
	ago-16	Abasol	III Región	Solar Photovoltaic	62
	ago-16	Quilapilún	RM	Solar Photovoltaic	103
	ago-16	San Pedro II	X Región	Wind	65
	sep-16	El Romero	III Región	Solar Photovoltaic	196
	sep-16	San Juan I	III Región	Wind	33
	oct-16	Chaka I	III Región	Solar Photovoltaic	27
	oct-16	Chaka II	III Región	Solar Photovoltaic	23
	oct-16	San Juan II	III Región	Wind	30
	nov-16	San Juan III	III Región	Wind	30
	dic-16	El Pelicano	III Región	Solar Photovoltaic	100
	dic-16	San Juan IV	III Región	Wind	33
	ene-17	Guanaco Solar	III Región	Solar Photovoltaic	50
	ene-17	Valleland	III Región	Solar Photovoltaic	67
	ene-17	San Juan V	III Región	Wind	26
	ene-17	San Juan VI	III Región	Wind	33
	abr-17	Malgarida	III Región	Solar Photovoltaic	28
	abr-17	Las Nieves	IX Región	Mini hydroelectric (run-of-river)	7
	abr-17	Cabo Leones I	III Región	Wind	116
	ago-17	Divisadero	III Región	Solar Photovoltaic	65
	ago-18	Valle Solar	III Región	Solar Photovoltaic	74
Conventional Hydroelectric	ago-16	Ancoa	VII Región	Hydroelectric (run-of-river)	27
	sep-16	La Mina	VII Región	Hydroelectric (run-of-river)	34
	oct-18	Ñuble	VIII Región	Hydroelectric (run-of-river)	136
	dic-18	Los Cóndores	VII Región	Hydroelectric (run-of-river)	150
	dic-18	Las Lajas	RM	Hydroelectric (run-of-river)	267
	may-19	Alfalfal II	RM	Hydroelectric (run-of-river)	264
Thermoelectric	oct-20	San Pedro	XIV Región	Hydroelectric (run-of-river)	170
	ago-16	HBS GNL	VIII Región	NLG	4
	oct-16	Doña Carmen	V Región	Diesel	48
	jun-17	CTM-3*	II Región	Diesel	251

Source: CNE

Total under construction in the SIC, by technology



Projected operation start date, SIC

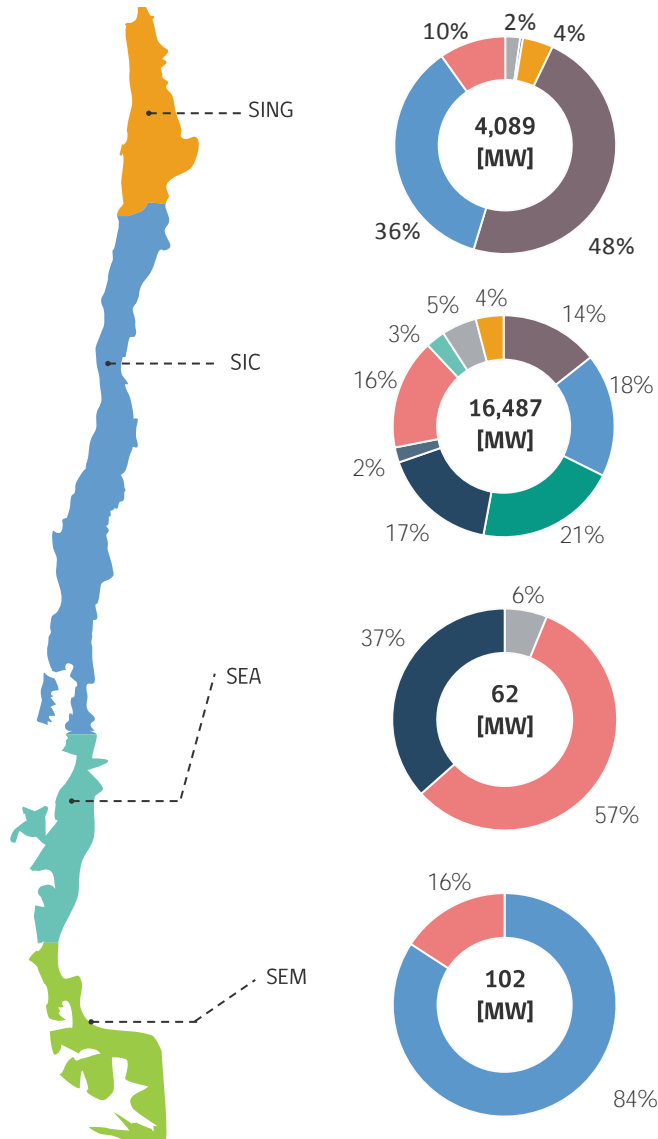




2 Installed Electricity Generation Capacity

The installed electricity generation capacity as of August 2016 was (*)20,751 MW. Of that, 16,487 MW (79.5%) corresponded to the SIC and 4,089 MW (19.7%) to the SING. The remaining 0.8% was distributed among the Aysén and Magallanes electricity systems. As of August, 57.5% the country's total installed capacity is represented by thermoelectric generation, 29.7% is conventional hydroelectric and 12.8% is NCRE. For more information about NCRE projects, please go to the [Monthly NCRE Report](#).

Installed Capacity by Technology



Source: CDEC-SIC / CDEC-SING and CNE

Installed capacity by system

System	Capacity [MW]	Capacity [%]
SING	4,089	19.7%
SIC	16,487	79.5%
SEA	62	0.3%
SEM	102	0.5%

Source: CDEC-SIC / CDEC-SING and CNE



Power generation plants in testing phase

In addition to the total installed capacity, there are 41 synchronous power generation plants with their respective electricity systems that have not yet been approved for dispatch by the CDEC (in the testing phase). Of these, 34 plants are in the SIC (with a total capacity of 855.3 MW) and 7 are in the SING (with a total capacity of 989.3 MW). Thus, there is a total of 1844.6 MW in the testing phase.

* The total installed capacity also includes Los Lagos (6 MW) and Easter Island (4 MW) systems.

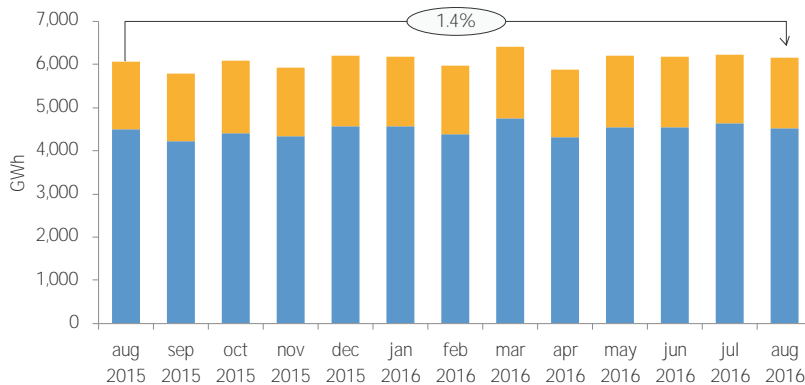
*Is not considered in this total the Natural Gas power plant, located in Salta (Argentina); connected to the SING (380 MW)



3 Electricity Generation

Power generation in the SIC during August 2016 reached a total of 4,515 GWh, which were classified as 51% thermoelectric, 31% conventional hydroelectric and 17% NCRE. In the SING, 1,639 GWh of electric power were generated, 94% from thermoelectric plants and 6% from NCRE. Together the systems reached a total of 6,154 GWh, a decrease of -1.3% over the previous month and increase 1.4% in comparison to August 2015. In resume, if we sort by generation category, we distinguish: 14.4% NCRE, 22.8% hydroelectric and 62.8% thermoelectric generation.

Evolution of gross electric power generation, SIC-SING



Source: CDEC-SIC / CDEC-SING

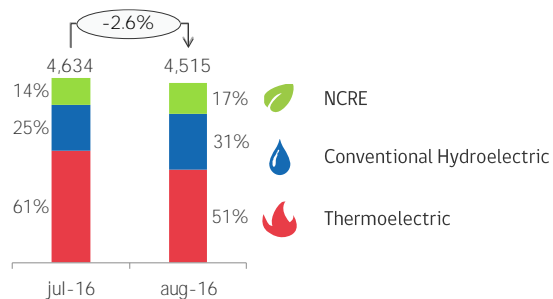
Generation variation, by system

	Energy Generation [GWh]	Monthly	Annual
● Total	6,154	▼ -1.3%	▲ 1.4%
● SIC	4,515	▼ -2.6%	▲ 0.5%
● SING	1,639	▲ 2.2%	▲ 4.1%

Source: CDEC-SIC / CDEC-SING

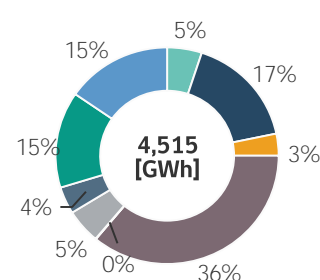
Following is a breakdown of power generation by technology in the SIC and SING.

Monthly Variation in Generation, SIC



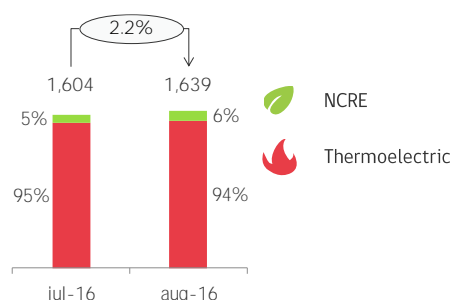
Source: CDEC-SIC

SIC generation by source



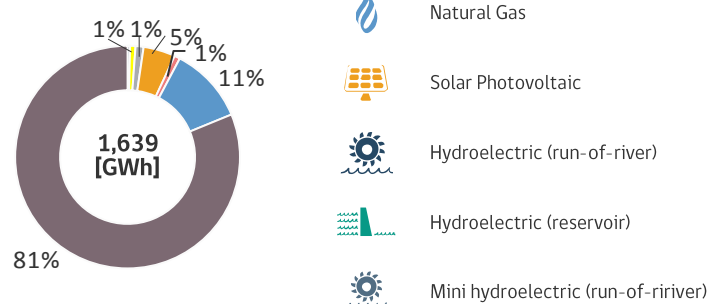
Source: CDEC-SIC

Monthly Variation in Generation, SING



Source: CDEC-SIC

SING generation by source



Source: CDEC-SIC

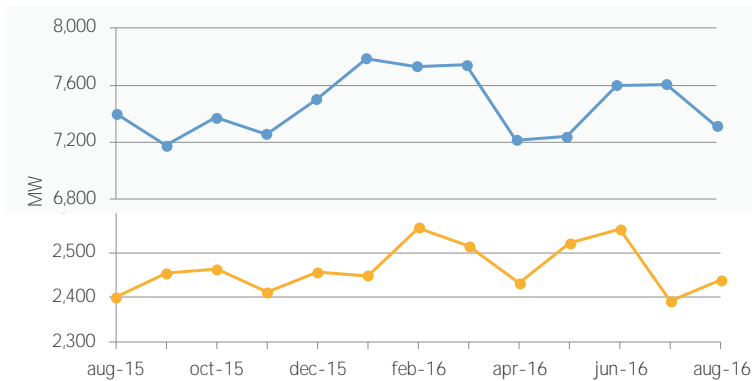
For more information about NCRE projects, please go to the [Monthly NCER Report](#).



4 Maximum Hourly Demand

In August 2016, The maximum hourly demand recorded in the SIC was 7,311 MW on August 24th, -3.9% lower than the previous month and -1.2% lower than the same month of 2015. In the SING, the maximum hourly demand recorded on August 1st was 2,438 MW, which represented a 1.9% higher over the maximum hourly demand recorded in the previous month and 1.5% higher over the same month of 2015.

Evolution of maximum hourly demand, SIC - SING



Source: CDEC - SIC / CDEC - SING

Variation in maximum hourly demand, by system

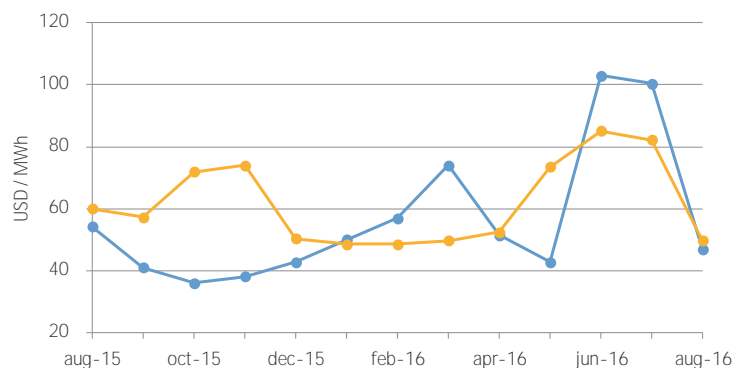
System	[MW]	Monthly	Annual
● SIC	7,311	▼ -3.9%	▼ -1.2%
● SING	2,438	▲ 1.9%	▲ 1.5%

Source: CDEC - SIC / CDEC - SING

5 Marginal Costs

The marginal cost is the variable cost of the most expensive generation unit operating at a specific point in time. In this case, the Quillota 220 kV busbar was used as the reference to obtain the marginal cost in the SIC while the Crucero 220 kV busbar was used as the reference in the SING. The value given for each system corresponds to the monthly average of hourly marginal costs. In August, the average marginal cost in the SIC was 46.7 USD/MWh, -53.5% lower than the previous month and -13.6% lower compared to August 2015. In the SING, the average marginal cost was 49.6 USD/MWh, -39.6% less than the previous month and -17.2% lower the same month of 2015.

Evolution of marginal costs, SIC - SING



Source: CDEC - SIC / CDEC - SING

Variation in marginal costs, SIC - SING

System	[USD/MWh]	Monthly	Annual
● Quillota 220	46.7	▼ -53.5%	▼ -13.6%
● Crucero 220 kV	49.6	▼ -39.6%	▼ -17.2%

Source: CDEC - SIC / CDEC - SING

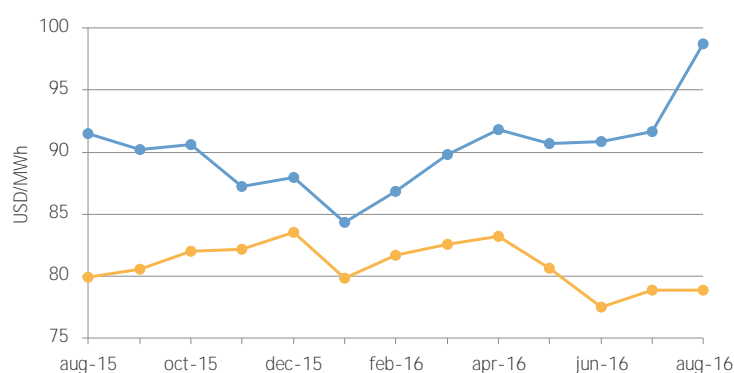


6 Average Market Price

The average market price (AMP) for each system is based on the average price of free customer contracts and long-term supply contracts held by distribution companies as applicable, reported to the National Energy Commission by the distribution companies operating in the Norte Grande Interconnected System and the Central Interconnected System. The AMP calculation takes into consideration a four-month window ending with the third month prior to the AMP publication date.

The AMP recorded in August for the SIC was 98.8 USD/MWh, 7.7% higher than the previous month and 8.0% higher than August 2015. The AMP in the SING was 78.8 USD/MWh, 0.0% less than the previous month and -1.4% less than the same month in 2015.

Evolution of market prices, SIC – SING



Source: CDEC – SIC / CDEC – SING

Variation in average market prices, by system

System	[USD/MWh]*	Monthly	Annual
SIC	98.8	7.7%	8.0%
SING	78.8	0.0%	-1.4%

Source: CDEC – SIC / CDEC – SING

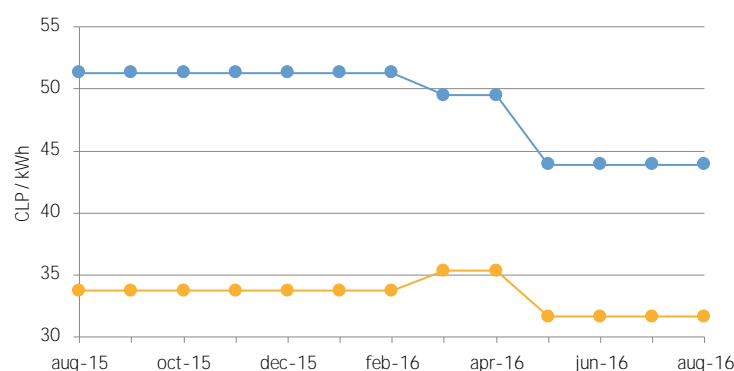
7 Short-term Node Prices

Short-term node prices are set twice each year, in May and October. These prices may be indexed monthly, depending on the conditions established in the twice-a-year decree that sets node prices for electricity supply. The prices are calculated by the National Energy Commission (CNE) which submits a technical report with the results to the Energy Ministry. The ministry then proceeds to set the prices via a decree published in the Official Bulletin.

Node Energy Price

The node energy price is the average over time of the marginal cost of energy in the electricity system operating at the minimum, updated operation and rationing cost. The node energy price in the SIC in August was 43.9 CLP/kWh, -14.5% below the same month of 2015. In the SING, the node energy price in August was 31.6 CLP/kWh, -6.2% below the same month of 2015.

Evolution of node energy prices, SIC – SING



Source: CNE

Variation in node energy prices, by system

System	CLP/kWh	Monthly	Annual
PNE SIC	43.9	0.0%	-14.5%
PNE SING	31.6	0.0%	-6.2%

Source: CNE

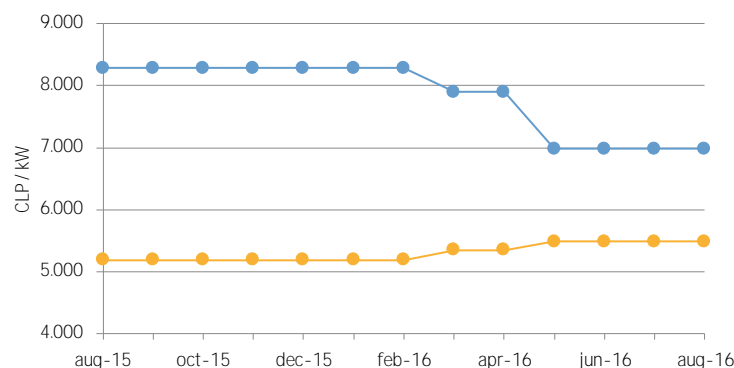
* Real value at the publish date, according to the CPI (consumer price index) of second previous month at the indicated date and the observed dollar of the previous month of the publish report date.



Node Power Price

The node power price is the annual marginal cost of increasing the installed capacity of the electricity system taking into consideration the most economic generation plants, required to supply additional capacity during the annual maximum hourly demand of the electricity system, increased by a percentage equal to the theoretical capacity reserve margin of the system. The node power price in the SIC in August was 6,978 CLP/kW, -15.8% decrease over the same month of 2015. In the SING, the node power price was 5,485 CLP/kW, 5.8% increase over the same month of 2015.

Evolution of node power price, SIC - SING



Source: CNE

Variation in node power price

System	CLP/kW	Monthly	Annual
PNP SIC	6,978	0.0%	-15.8%
PNP SING	5,485	0.0%	5.8%

Source: CNE

8 Node Price in Medium-size Systems

Below we present the node energy price and node power price in medium-size systems for August del 2016. These node prices are applied to energy supply at the withdrawal busbars indicated in the following tables:

Variation in node energy price, medium-size systems

Busbar	[USD/MWh]	Index	Annual
Pta Arenas	66	0.0%	4.5%
Tres Puentes	66	0.0%	4.5%
Pto Natales	97	0.0%	4.9%
Porvenir	90	0.0%	4.8%
Pto Williams	266	0.0%	-9.7%
Aysén 23	82	0.0%	-9.3%
Chacab23	82	0.0%	-9.3%
Mañi23	82	0.0%	-9.2%
Ñire33	82	0.0%	-9.2%
Tehuel23	82	0.0%	-9.2%
Palena	90	0.0%	4.4%
G.Carrera	101	0.0%	-15.6%
Cochamó	158	0.0%	-18.7%
Hornopirén	150	0.0%	-9.9%

Source: CNE

Variation in node power price, medium-size systems

Busbar	[USD/MW-mth]	Index	Annual
Pta Arenas	15,954	0.0%	6.2%
Tres Puentes	15,954	0.0%	6.2%
Pto Natales	8,938	0.0%	5.5%
Porvenir	11,252	0.0%	5.1%
Pto Williams	21,279	0.0%	4.4%
Aysén 23	11,697	0.0%	4.9%
Chacab23	11,697	0.0%	4.9%
Mañi23	11,697	0.0%	4.9%
Ñire33	11,697	0.0%	4.9%
Tehuel23	11,697	0.0%	4.9%
Palena	16,547	0.0%	4.7%
G.Carrera	22,610	0.0%	4.4%
Cochamó	22,295	0.0%	4.4%
Hornopirén	14,158	0.0%	4.9%

Source: CNE

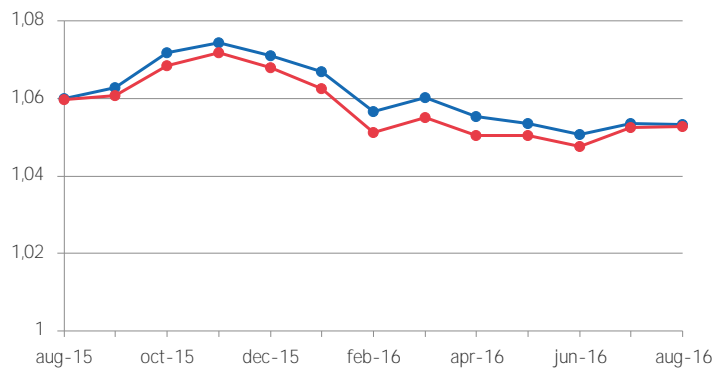


9 Evolution of Variable Distribution Cost Indexes

The distribution added value (DAV)* is set every four years by the Energy Ministry, based on a technical report prepared by the CNE, and corresponds to the average cost of investment, administration, maintenance and operation of electricity distribution networks calculated for an efficient model company operating in Chile. The DAV has a fixed component and a variable component, both of which were established by Article 182 of the General Electrical Services Law and are indexed monthly. Below we provide the evolution of the indexator of the variable component both for high and low voltage for August del 2016.

For more information about this, please go to the [Decreto N°1T/2012 Proceso de Fijación de Tarifas de Distribución 2012-2016](#).

Evolution of Indexes



Source: CNE

Variation in Indexes

System	Index	Monthly	Annual
CDAT	1.053	0.0%	-0.6%
CDBT	1.053	0.0%	-0.7%

Source: CNE

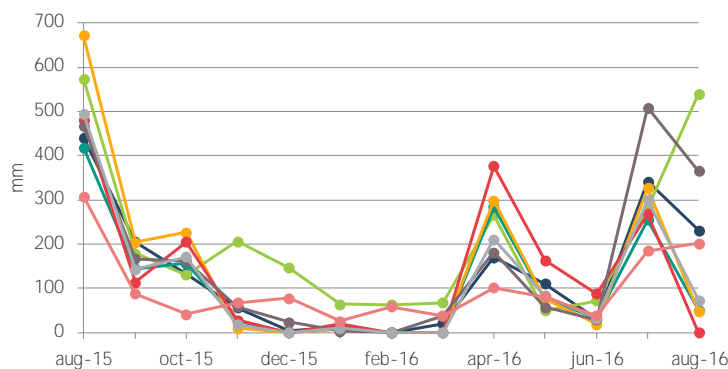
10 Hydrological Statistics

Because of the hydro-thermal nature of the Central Interconnected System, which features large hydroelectric (reservoir) plants with for regulation in different periods of time and thermal plants (as well as other technologies), the use of reservoir water must be optimized in order to minimize the total cost of supplying the system. For this reason, we provide information below from monitoring and recording the important variables associated with hydrology, such as rainfall, and the operational status of infrastructure of the hydroelectric plants in relation to the respective reservoir levels and volumes.

Rainfall Statistics

The monthly rainfall statistics published by CDEC-SIC and updated as of August 2016 are shown below for the main measurement locations.

Evolution of Annual Rainfall



Source: CDEC-SIC

Variation in Annual Rainfall

Reservoir	[mm]	Monthly	Annual
Abanico	232	-32%	-48%
Canutillar	541	92%	-6%
Cipreses	50	-80%	-88%
Colbún	48	-85%	-93%
Otros (**)	0	-100%	-100%
Pangue	365	-28%	-22%
Pehuenche	73	-76%	-85%
Pilmaiquén	202	9%	-35%
Overall total	1.510	-39%	-61%

(*) The relative weight in a type BT1a account with a monthly consumption of 150kWh is 26.97% in the SIC and SING 22.95%.

(**) Other: Sauzal, Cypress, Molles, Rapel.

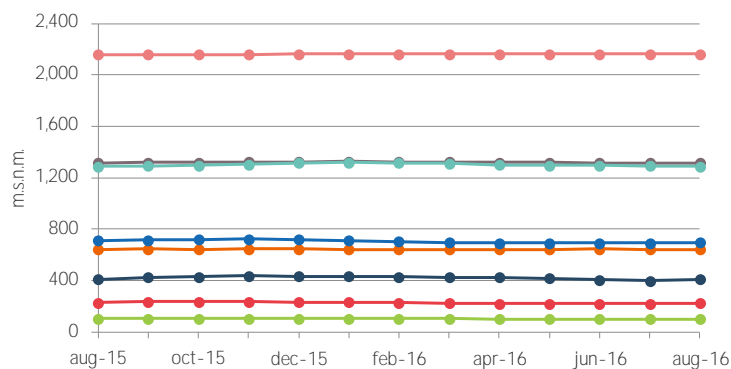
n/a : Not available



Reservoir, Lake and Lagoon Levels

According to information submitted by the CDEC-SIC, in August the final levels were found for the following reservoirs, lakes and lagoons:

Evolution of Reservoir Levels



Source: CDEC-SIC

Variation in Reservoir Levels

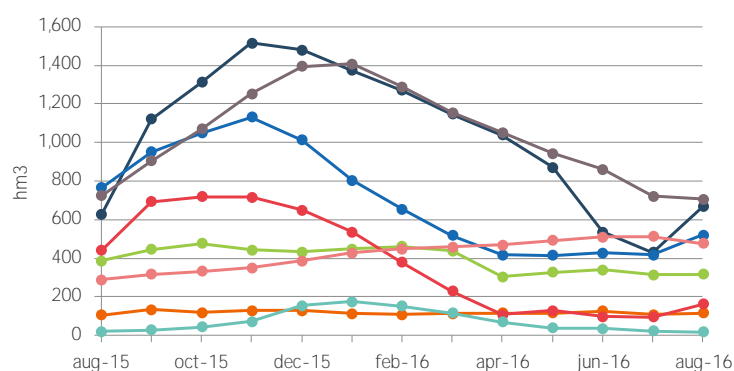
Reservoir	[m.s.n.m.]	Monthly	Annual
Embalse Colbún	412	▲ 3.0%	▲ 0.4%
Embalse El Melado	643	▲ 0.3%	▲ 0.4%
Embalse Ralco	699	▲ 0.9%	▼ -1.7%
Embalse Rapel	102	▲ 0.1%	▼ -1.1%
Lago Chapo	224	▲ 0.7%	▼ -2.7%
Lago Laja	1,315	▬ 0.0%	▬ 0.0%
Laguna El Maule	2,163	▬ 0.0%	▲ 0.2%
Laguna La Invernada	1,288	▼ -0.1%	▬ 0.0%

Source: CDEC-SIC

Reservoir, Lake and Lagoon Volumes

Based on levels reported by the CDEC-SIC for volumes of water stored in the largest reservoirs, lakes and lagoons, considering the characteristics of each one as of August 2016.

Evolution of Reservoir Volume



Source: CDEC-SIC

Variation in Reservoir Volume

Reservoir	[hm3]	Monthly	Annual
Embalse Colbún	429	▲ 55.4%	▲ 6.4%
Embalse El Melado	108	▲ 6.7%	▲ 9.0%
Embalse Ralco	416	▲ 24.7%	▼ -32.2%
Embalse Rapel	313	▲ 1.2%	▼ -18.3%
Lago Chapo	95	▲ 68.9%	▼ -63.5%
Lago Laja	723	▼ -2.3%	▼ -2.5%
Laguna El Maule	512	▼ -6.8%	▲ 65.0%
Laguna La Invernada	23	▼ -24.1%	▼ -7.9%

Source: CDEC-SIC

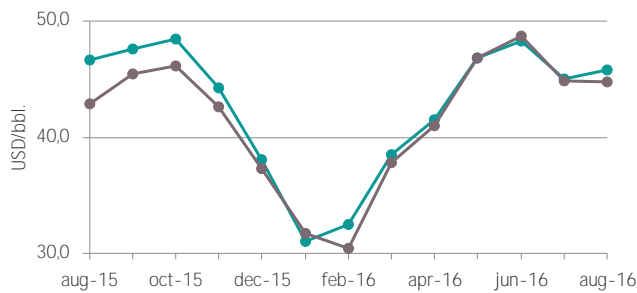


OIL AND GAS SECTOR

1 International Fuel Market Prices

The following information details the moving year evolution of the West Texas Intermediate (WTI) crude oil price index, which is used as a reference in the U.S. market, along with the BRENT oil price index which reflects oil prices for European markets. In August 2016 WTI oil prices was 44.8 USD/bbl., -0.3% decrease from the previous month and 4.4% increase from the same month of 2015. Meanwhile, the average BRENT oil prices was 45.8 USD/bbl, 1.9% higher than previous month and -1.8% lower from the same month of 2015.

Evolution of BRENT and WTI Oil Prices



Source: CNE, based on data from Argus Media Inc.

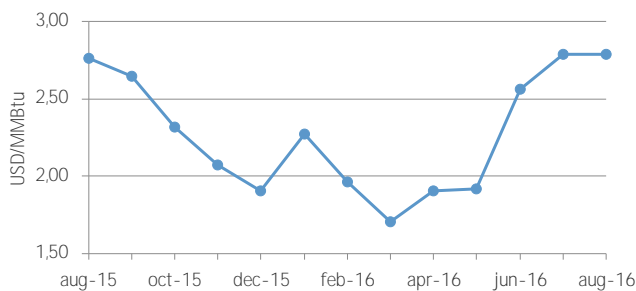
Crude Oil Variation (USD/bbl.)

Index	USD/bbl.	Monthly	Annual
BRENT DTD	45.8	1.9%	-1.8%
WTI	44.8	-0.3%	4.4%

Source: CNE, based on data from Argus Media Inc.

The following information details the evolution of the Henry Hub (Louisiana) price index, which serves as a reference for liquefied natural gas (LNG) imports to Chile. In August 2016, Henry Hub averaged 2.79 USD/MMBtu, -0.1% decrease from previous month and 1.0% increase from the same month of 2015.

Evolution of Natural Gas Price (Henry)



Source: CNE, based on data from the Daily Gas Price Index, NGI Intelligence

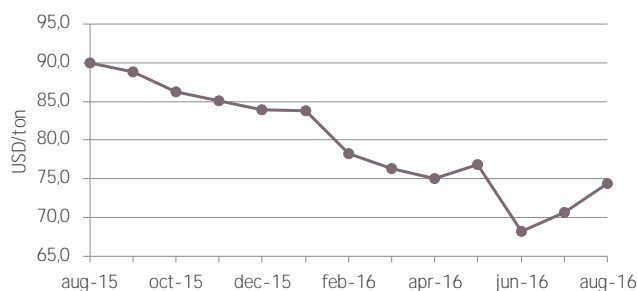
Natural Gas Variation (Henry Hub)

Index	USD/MMBtu	Monthly	Annual
HENRY HUB SPOT	2.79	-0.1%	1.0%

Source: CNE, based on data from the Daily Gas Price Index, NGI Intelligence

The following information details the evolution of the price of EQ 7000 steam coal kCal/kg which in August 2016 averaged a price of 74.4 USD/ton, representing 5.4% increase over the previous month and -17.3% decrease over the same month of 2015.

Evolution of EQ 7000 Steam Coal kCal/kg



Source: CNE, based on data from Platts Coal Trader International

Variation in EQ 7000 Steam Coal kCal/kg

Index	USD/ton	Monthly	Annual
THERMAL COAL EQ. 7.000 kCal/kg	74.4	5.4%	-17.3%

Source: CNE, based on data from Platts Coal Trader International

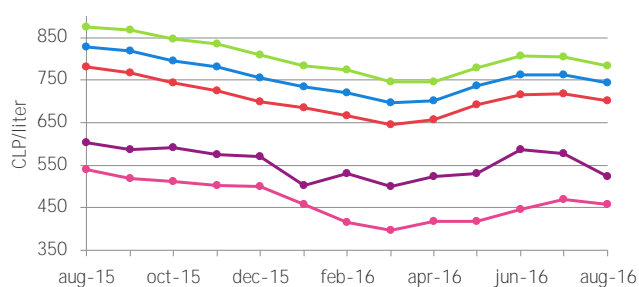


2 Domestic Liquid Fuel Prices

The following information details the evolution of different types of petroleum-derived liquid fuels sold or commercialized at gas stations (93-, 95-, and 97-octane unleaded gas, diesel, household kerosene and diesel oil) during the last 12 months, along with the average monthly price in last month for the cities of Antofagasta, Concepción, Puerto Montt and the Santiago Metropolitan Region.

The information presented is prepared by the National Energy Commission which, as part of its legal functions and powers, developed the Online Information System of Gas Station Fuel Prices, www.bencinaenlinea.cl

Antofagasta Evolution of Liquid Fuel Prices



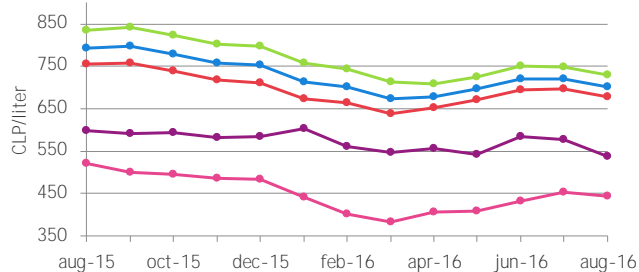
Source: CNE — Online Information System of Gas Station Fuel Prices

Variation of Liquid Fuel Prices

Fuel Type	CLP/liter	Monthly	Annual
Gasoline 93 SP	702	▼ -2.4%	▼ -10.2%
Gasoline 95 SP	744	▼ -2.5%	▼ -10.3%
Gasoline 97 SP	784	▼ -2.5%	▼ -10.5%
Kerosene	523	▼ -9.4%	▼ -13.4%
Diesel	458	▼ -2.4%	▼ -15.2%

Source: CNE — Online Information System of Gas Station Fuel Prices

Santiago Metropolitan

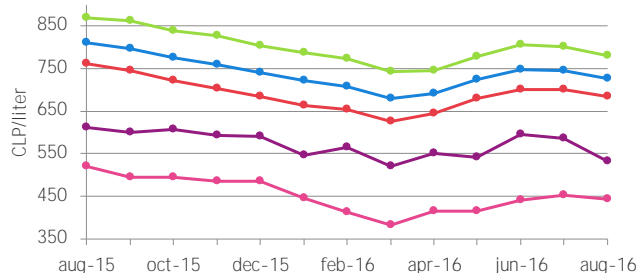


Source: CNE — Online Information System of Gas Station Fuel Prices

Fuel Type	CLP/liter	Monthly	Annual
Gasoline 93 SP	679	▼ -2.7%	▼ -10.2%
Gasoline 95 SP	701	▼ -2.6%	▼ -11.6%
Gasoline 97 SP	729	▼ -2.4%	▼ -12.8%
Kerosene	536	▼ -7.2%	▼ -10.5%
Diesel	444	▼ -2.2%	▼ -14.9%

Source: CNE — Online Information System of Gas Station Fuel Prices

Valparaíso



Source: CNE — Online Information System of Gas Station Fuel Prices

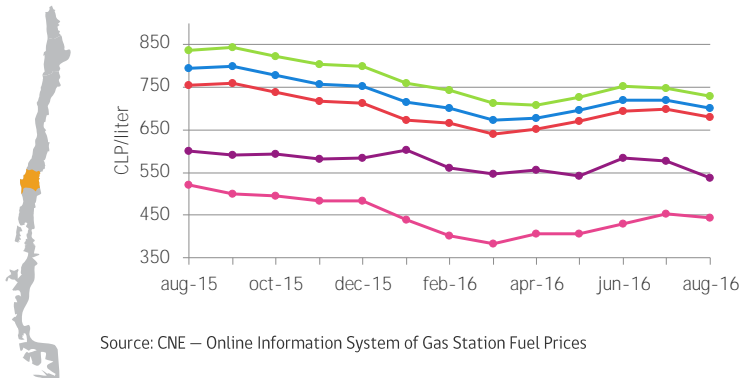
Fuel Type	CLP/liter	Monthly	Annual
Gasoline 93 SP	683	▼ -2.4%	▼ -10.3%
Gasoline 95 SP	727	▼ -2.5%	▼ -10.3%
Gasoline 97 SP	780	▼ -2.6%	▼ -10.2%
Kerosene	532	▼ -9.0%	▼ -13.0%
Diesel	442	▼ -2.3%	▼ -15.1%

Source: CNE — Online Information System of Gas Station Fuel Prices



Evolution of Liquid Fuel Prices

Concepción

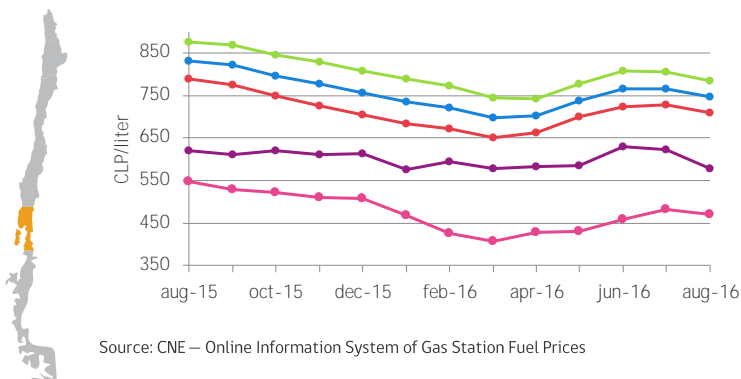


Variation of Liquid Fuel Prices

Fuel Type	CLP/liter	Monthly	Annual
Gasoline 93 SP	698	▼ -2.3%	▼ -9.9%
Gasoline 95 SP	736	▼ -2.4%	▼ -10.6%
Gasoline 97 SP	775	▼ -2.6%	▼ -9.9%
Kerosene	545	▼ -7.2%	▼ -8.3%
Diesel	459	▼ -2.0%	▼ -15.9%

Source: CNE — Online Information System of Gas Station Fuel Prices

Puerto Montt



Fuel Type	CLP/liter	Monthly	Annual
Gasoline 93 SP	710	▼ -2.3%	▼ -9.9%
Gasoline 95 SP	747	▼ -2.5%	▼ -10.2%
Gasoline 97 SP	784	▼ -2.6%	▼ -10.5%
Kerosene	578	▼ -7.2%	▼ -6.9%
Diesel	471	▼ -2.2%	▼ -13.9%

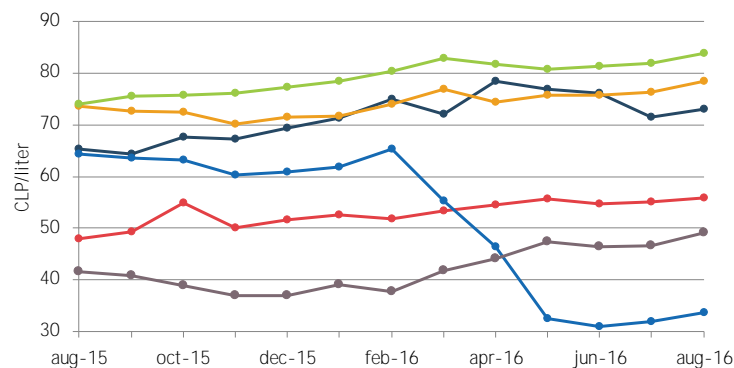
Source: CNE — Online Information System of Gas Station Fuel Prices

3 Fuel Gross Margins

The retail sales price of fuels is structured as follows: sales price at the refinery, sales margin and taxes (VAT and specific tax). The following information shows the evolution of the sales margin for 93-octane gas and diesel in the 5th, 6th, 7th, 8th, 12th and Santiago Metropolitan regions.

93-Octane Gasoline

Evolution of Gross Sales Margin



Variation in Gross Sales Margin

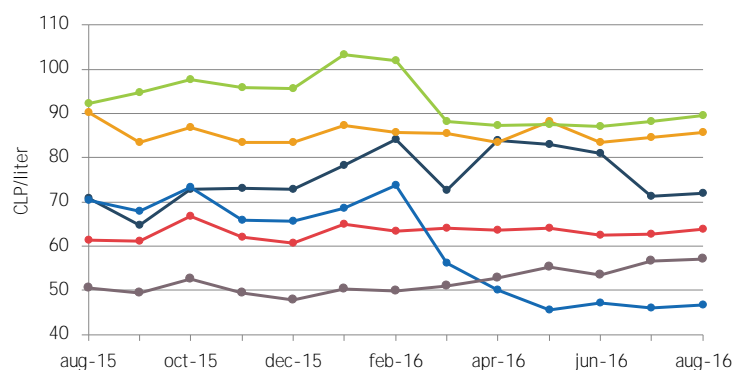
93-Octane Gas	CLP/liter	Monthly	Annual
5th Region	73	▲ 2.2%	▲ 11.9%
6th Region	79	▲ 2.8%	▲ 6.7%
7th Region	34	▲ 5.5%	▼ -47.8%
8th Region	84	▲ 2.5%	▲ 13.3%
Santiago Metropolitana	56	▲ 1.4%	▲ 16.6%
12th Region	49	▲ 5.3%	▲ 18.2%

Source: CNE



Diesel

Evolution of Gross Sales Margin



Source: CNE

Variation in Gross Sales Margin

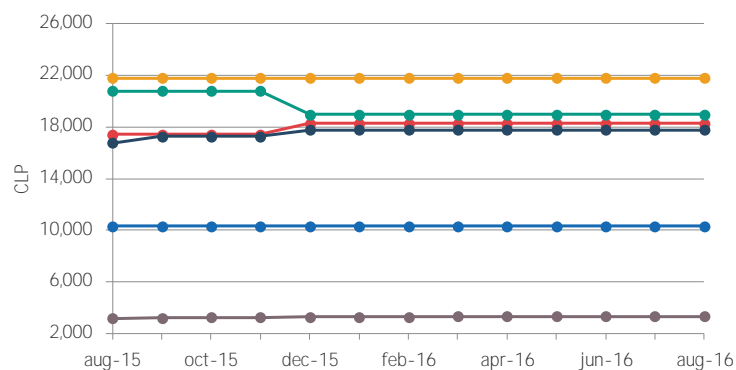
Diesel Oil	CLP/liter	Monthly	Annual
5th Region	72	▲ 0.8%	▲ 1.6%
6th Region	86	▲ 1.3%	▼ -5.2%
7th Region	47	▲ 1.6%	▼ -33.6%
8th Region	90	▲ 1.5%	▼ -3.0%
Santiago Metropolitana	64	▲ 1.8%	▲ 4.2%
12th Region	57	▲ 0.7%	▲ 12.7%

Source: CNE

4 Domestic Prices of Network Gas Supplied through Concessions

The following information shows the price based on the energy equivalence of natural gas, city gas or propane air, whichever is applicable, distributed to the end consumer as network gas under concession equivalent to 15-kg cylinders of liquified petroleum gas. This price also includes fixed costs and meter rental, charged by the network gas distribution companies when applicable.

Evolution of Network Gas Prices



Source: CNE — Online Gas Price System

Variation in Network Gas Prices

Company (Region)	CLP	Monthly	Annual
Lipigas (2th)	10.312	▬ 0.0%	▬ 0.0%
Gasvalpo (5th)	18.289	▬ 0.0%	▲ 5.0%
Metrogas (Metropolitana)	17.787	▬ 0.0%	▲ 6.1%
Gassur (8th)	18.979	▬ 0.0%	▼ -8.7%
Intergas (8th)	21.792	▬ 0.0%	▬ 0.0%
Gasco Magallanes (9th)	3.304	▲ 0.1%	▲ 4.7%

Source: CNE — Online Gas Price System

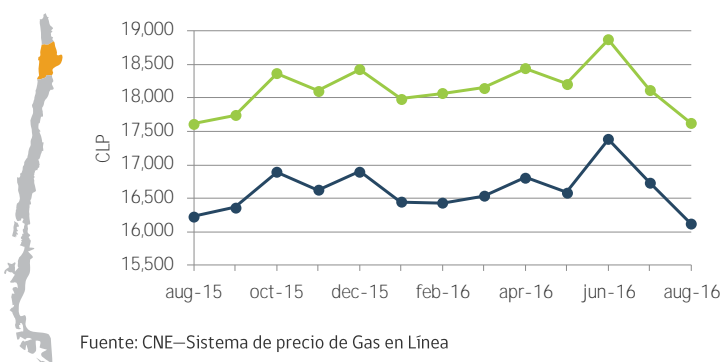


5 Domestic Prices of Bottled Liquefied Petroleum Gas

Bottled LPG is liquefied gas fuel, i.e., propane and butane and their blends (with a maximum 30% of butane). The fuel is compressed for bottling in cylinders of varying sizes that are sold to end users for use in heaters, stoves and water heaters/boilers. The cylinders on the local market have a capacity of 2 kg, 5 kg, 11 kg, 15 kg and 45 kg. They are also sold according to quality; one is sold as normal or regular and the other as catalytic, a category required by some heating appliances that only use a fuel with a low content of olefins, diolefins and sulfur. The information below shows the evolution of the average price of bottled LPG in 15-kg cylinders for the cities of Antofagasta, Concepción, Puerto Montt and the Santiago Metropolitan Region.

Evolution of Bottled LPG Prices

Antofagasta

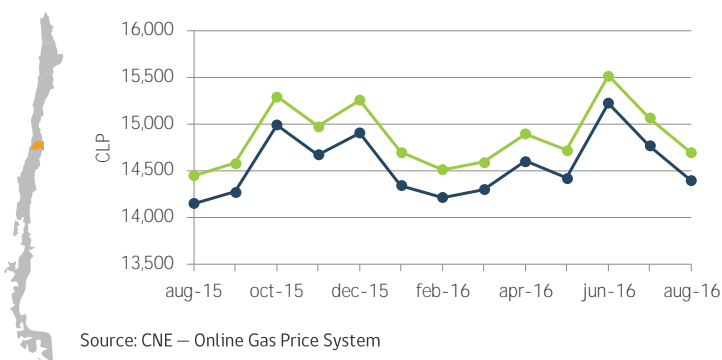


Variation in Bottled LPG Prices

Type	CLP	Monthly	Yearly
Catalytic	17,625	▼ -2.8%	▲ 0.1%
Regular	16,117	▼ -3.7%	▼ -0.7%

Fuente: CNE—Sistema de precio de Gas en Línea

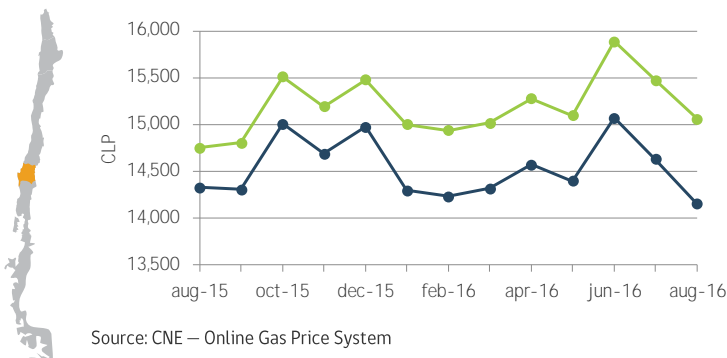
Santiago Metropolitan



Type	CLP	Monthly	Yearly
Catalytic	14,699	▼ -2.5%	▲ 1.7%
Regular	14,400	▼ -2.5%	▲ 1.7%

Source: CNE — Online Gas Price System

Concepción



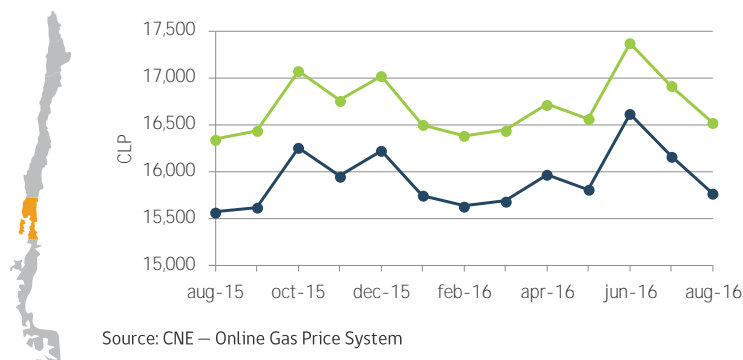
Type	CLP	Monthly	Yearly
Catalytic	15,063	▼ -2.7%	▲ 2.1%
Regular	14,157	▼ -3.3%	▼ -1.2%

Source: CNE — Online Gas Price System



Evolution of Bottled LPG Prices

Puerto Montt



Variation in Bottled LPG Prices

Type	CLP	Monthly	Yearly
Catalytic	16,520	▼ -2.3%	▲ 1.1%
Regular	15,767	▼ -2.5%	▲ 1.3%

Source: CNE — Online Gas Price System

6 Fuel imports and exports

Information on imports and exports of primary and secondary fuels corresponds to July 2015 given that the official information source has a two-month time lag. The information on imports mainly applies to coal, crude oil, diesel and natural gas, equivalent to more than 78.0% of total national imports (in tons).

The total variation of imports registered a decrease of -0.3% over the previous month and increase of 22.0% compared to July, 2015. Meanwhile, the total change in exports recorded a decrease of -79.4% over the previous month. While, the main fuel exported during the month of July was #N/A, which represented about 71.3% of total exports in tons.

Imports of the main primary fuels during the month of July were: coal from Colombia, United States, Australia and Canada; crude oil from Brazil and Ecuador; diesel from the United States and Japan; and liquefied natural gas bought from Trinidad and Tobago and United States.

In the other hand, during July, the exports of diesel and gasoline recorded as country of destination Bolivia and Argentina; and the main fuel exported was #N/A, mainly sent to Argentina.

Here are the details for each of the fuels with percentage changes and countries of origin / destination.

Variation in Imports During the Period

Fuel	[Thous-Tons]	Monthly	Annual
Coal	1,051	▲ 8.5%	▲ 52.4%
Crude Oil	584	▼ -0.7%	▼ -12.5%
Diesel Oil	392	▼ -25.9%	▲ 3.3%
Natural Gas	380	▲ 0.3%	▲ 51.2%
Gasoline	5	▼ -82.8%	▼ -83.0%
LPG	130	▲ 60.9%	▲ 74.2%
Household Kerosene	56.3	▲ 84.9%	▲ 57.1%
Overall total	2,597	▼ -0.3%	▲ 22.0%

Source: Aduana by COMEX (www.comexplusccs.cl)

Variation in Exports During the Period

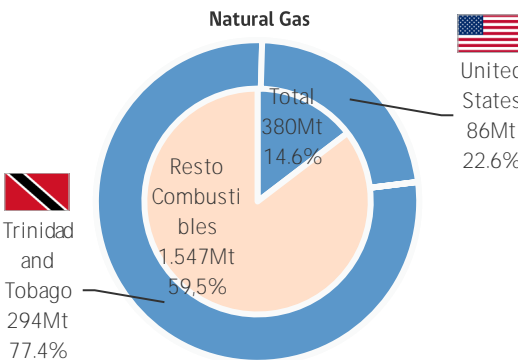
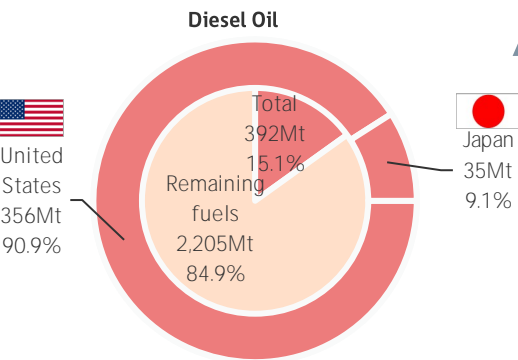
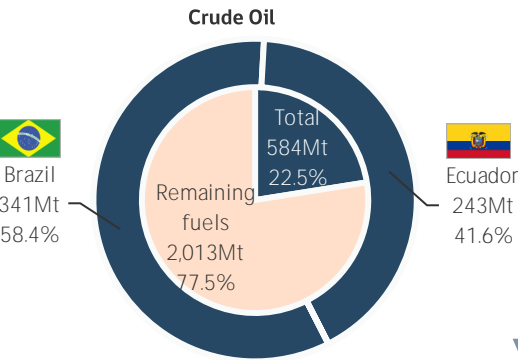
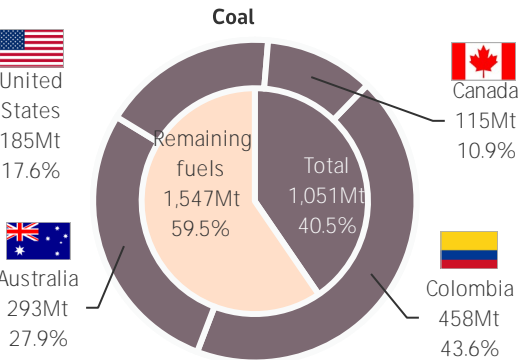
Fuel	[Thous-Tons]	Monthly	Annual
Coal	0	(**)	(**)
Diesel Oil	5	▼ -34%	▲ 11%
Fuel Oil	28	▲ 29%	(*)
Natural Gas	0	(*)	(*) (**)
GLP	0	(*)	(**)
IFO	7	▼ -72%	(*)
Overall total	40	▼ -79%	▼ -74%

Source: Aduana by COMEX (www.comexplusccs.cl)

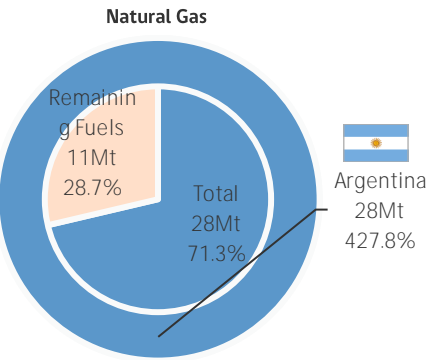
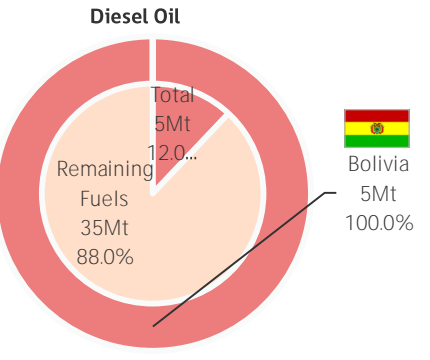
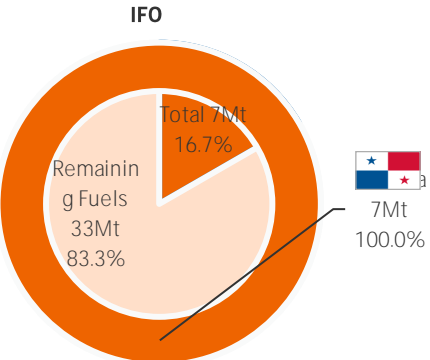
(*) No transactions recorded during the period under review
 (**) Not recorded during the reference month transactions



Imports by Country of Origin



Exports by Country of Origin



Source: Customs, provided by Comex Service, Santiago Chamber of Commerce.

Mt: Thousands of tons.

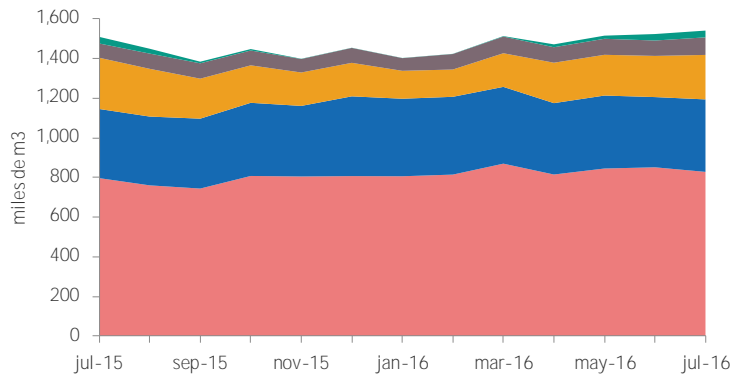
Others: Difference between the total of importations or exportations and the hydrocarbon analyzed in each chart.



7 Fuel Sales

The following information details the evolution and the variation in the sales of the principal oil-based fuels. The information available is presented with a one-month time lag. The fuels analyzed are: domestic kerosene, fuel oils, liquefied gas, diesel oil and unleaded 93-, 95- and 97-octane gas.

Fuel Sales Evolution, by Type



Source: CNE, based on ENAP data

Fuel Sales Variation, by Type

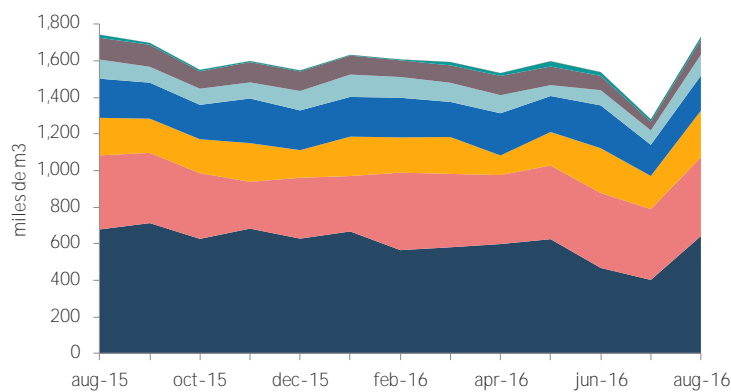
Type	[Thous - m3]		Monthly	Annual
Household kerosene	34		4.7%	2.3%
Fuel Oils	89		14.0%	23.2%
Liquefied Gas	225		8.1%	-13.2%
Gasoline	366		3.2%	4.8%
Diesel Oil	828		-2.7%	4.0%
Overall total	1,541		1.1%	2.1%

Source: CNE, based on ENAP data

8 Fuel Inventory

The following information presents monthly fuel inventory levels (aviation fuel, household kerosene, fuel oils, aviation kerosene, automotive gas, liquefied gas, diesel oil and crude oil) in thousands of m3 for the entire country. This value corresponds to the last business day of the respective month.

Fuel Inventory Evolution, by Type



Source: CNE

Fuel Inventory Evolution, by Type

Type	[Thous - m3]		Monthly	Annual
Aviation gas	1		26.6%	24.0%
Household K	15		17.1%	-10.0%
Fuel Oils	82		70.6%	-31.2%
Kerosene Av.	115		46.0%	10.0%
Automotive gas	191		12.4%	-10.5%
Liquefied gas	255		41.0%	24.5%
Diesel oil	430		11.1%	6.2%
Crude oil	643		59.6%	-5.3%
Overall total	1,732		35.2%	-0.7%

Source: CNE



ENERGY PROJECTS UNDERGOING ENVIRONMENTAL EVALUATION

1 Projects Submitted for Environmental Evaluation

In August 2016, 15 energy projects were submitted to the Environmental Impact Evaluation System (SEIA), representing an investment of USD 465 million. Of these, 10 projects are for electric power generation, 2 projects are for electrical transmission¹ and 3 projects are for oil and gas energy.

Detail of energy projects submitted for environmental evaluation

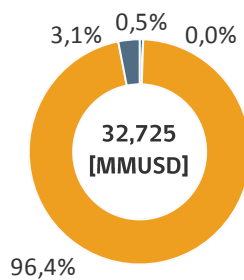
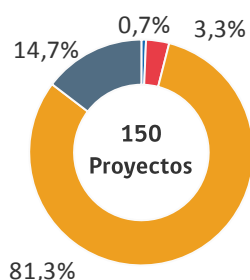
Project Type	Project Owner	Project Name	Presentation Date	Investment [MMUSD]	WEB
Oil and/or gas energy projects	Empresa Nacional del Petróleo - Magallanes	Construcción de la Línea de Flujo Kalkin ZG-A	18/ago/2016	0,1	Link
Oil and/or gas energy projects	Empresa Nacional del Petróleo - Magallanes	Fracturación Hidráulica de Pozo Kalkin ZG-A	18/ago/2016	1,8	Link
Oil and/or gas energy projects	GeoPark TDF S.A	Estimulación hidráulica pozo Tenca x-1 y habilitación de pozos sumideros Chilco x-1 y Kaum x-1	09/ago/2016	1,2	Link
High-voltage electricity transmission line	INVERSIONES FOTOVOLTAICAS SpA	Línea de Conexión Parque Fotovoltaico Willka	18/ago/2016	20,0	Link
Generation	Empresa Nacional del Petróleo - Magallanes	Nuevo Parque Eólico Cabo Negro	18/ago/2016	20,0	Link
Generation	Asociación de Canalistas Sociedad del Canal de Maipo	Minicentral Hidroeléctrica Los Presidentes	03/ago/2016	5,0	Link
Generation	Eólica La Esperanza S.A.	Parque Eólico La Esperanza II	24/ago/2016	35,0	Link
Generation	LAUREL SPA	Parque solar fotovoltaico El Laurel	22/ago/2016	12,8	Link
Generation	ORION POWER S.A.	Parque Solar Fotovoltaico Ovejería	22/ago/2016	12,0	Link
Generation	SOWITEC Operation Ltda	Proyecto Fotovoltaico Aurora del Huasco	24/ago/2016	83,0	Link
Generation	Planta Bio-E Ñuble I SpA	Planta Bioenergía Ñuble	23/ago/2016	44,1	Link
Generation	Guacolda Energía S.A.	Eliminación del Uso del Petcoke en Central Guacolda y Ajuste de la Capacidad de Generación Eléctrica	23/ago/2016	72,0	Link
Generation	Hidro Vilcún Ltda.	Central Hidroeléctrica de Pasada Enersur	22/ago/2016	6,2	Link
Generation	Libertad SpA.	Planta Solar Fotovoltaica Libertad I y II	11/ago/2016	150,0	Link
Substation	Eléctrica Cipresillos SpA	Subestación Eléctrica Alto Cachapoal 66/23 kV	23/ago/2016	1,5	Link

Source: SEIA

2 Energy Projects Currently Being Evaluated

In August 2016, **150** energy projects awaiting approval of their environmental qualification resolutions (RCA). Of these, **81%** are projects related to electric power generation, and the remaining are mixed projects. Together they represent a total investment of **32,725 MMUSD**.

Distribution of Projects and their Investment [millions of USD]



LPG maritime port & terminal projects



Oil and/or gas energy projects



Electricity generation projects



Electricity transmission and/or substation projects

Source: SEIA



3 Projects with Approved Environmental Qualification Resolution

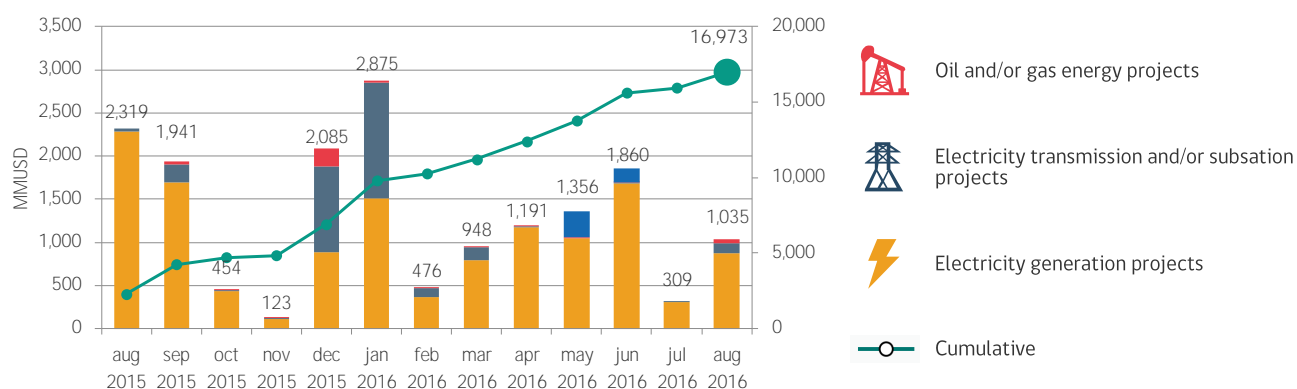
In August 2016, the environmental qualification resolutions (RCA) of 11 energy projects were approved. Of these, 3 projects are for electric power generation with total capacity of 462 MW and 3 projects are for electricity transmission¹ and 5 projects are for oil and gas. Together they represent a total investment of USD 1,220 million.

Presentation Date	Project Type	Region	Project Owner	Investment [MMUSD]	Web
01/ago/2016	Generation	X	Power Train Technologies Chile S.A	5,3	Link
02/ago/2016	Oil and/or gas energy projects	XII	Empresa Nacional del Petróleo - Magallanes	1,2	Link
02/ago/2016	Oil and/or gas energy projects	XII	GeoPark Fell SpA	1,0	Link
02/ago/2016	High-voltage electricity transmission line	III	Empresa Eléctrica Guacolda S.A.	70,0	Link
03/ago/2016	Oil and/or gas energy projects	XII	Empresa Nacional del Petróleo - Magallanes	21,0	Link
03/ago/2016	Oil and/or gas energy projects	XII	GeoPark Fell SpA	2,0	Link
12/ago/2016	High-voltage electricity transmission line	II	Codelco Chile, División Chuquicamata	0,0	Link
17/ago/2016	Generation	VIII	Central El Campesino S.A.	804,0	Link
23/ago/2016	Oil and/or gas energy projects	XII	Empresa Nacional del Petróleo - Magallanes	20,0	Link
23/ago/2016	Generation	V	Duke Energy International Sol Del Mar SpA	70,5	Link
25/ago/2016	Substation	II	Sociedad Austral de Transmisión Troncal S.A.	40,00	Link

Source: SEIA

In line with the above table, the evolution is presented for the last mobile year of investment associated to energy projects have received a favorable RCA. The total investment to date totaled USD 16,973 million. In particular, energy power generation projects have a total investment of USD 13,154 million (77.5%), equivalent to 5,855 MW approved.

Investment evolution—Approved projects with RCA in the last 12 months



Source: SEIA

¹ The high-voltage electricity transmission line and substation projects are included in the electricity transmission projects.



SECTORIAL REGULATIONS

1 Proposed Legislations in Process

Bulletin Number	Subject of the Proposed Legislation	Initiative and Urgency	Current Status	Bill Submittal Date	WEB
9890-08	Amends Decree-Law No. 323 of 1931 of the Ministry of Interior and other laws.	Extreme Urgency	Second Constitutional Procedure (Senate). Discussed by the Mining and Energy Committee.	29/01/2015	Link

2 Sectorial Regulations Published in the Official Bulletin

Supreme Decree No. 79, from June 14th, 2016, declares force majeure and modifies the Supreme Decree N° 5T, dated from September 9th, 2013, of the Ministry of Energy, published at the Official Bulletin in august 2nd, 2016. [Link](#)

Supreme Decree N° 8T, dated on July 11th, 2016, which sets the Average Node Prices for both Central and Northern Electrical System for the price fixing method, mentioned in Article No. 158 of the General Electricity Services Law, published in the Official Bulletin on August 6th, 2016. [Link](#)

Exempt Resolution No. 628, dated August 23rd, 2016, the National Energy Commission, which establishes "Procedure regulation on the duty to inform the National Energy Commission the sale and transport of natural gas, liquid or gaseous, and receipt, storage, transfer and / or regasification of Liquefied Natural Gas contracts", published in the Official Bulletin on August 29, 2016. [Link](#)

Exempt Resolution No. 638, dated August 29th, 2016, the National Energy Commission, which approved "Technical Standard for programming and coordinating the operation of re-gasified natural gas units", published in the Official Bulletin September 2nd, 2016. [Link](#)

Exempt Resolution No. 641, dated August 30, 2016, the National Energy Commission, which establishes deadlines, requirements and conditions for Short Term Node Pricing published in the Official Bulletin on September 3rd, 2016. [Link](#)



3 Sectorial Regulations Not Published in the Official Bulletin

Exempt Resolution No. 597, dated August 4th, 2016, instructing the delivery of information on the mechanism for compensation of complementary services contained in the Report Definition and Complementary Services, established in Supreme Decree No. 130, in 2011 from the Ministry of Energy. [Link](#)

Exempt Resolution No. 600, dated August 4th, 2016, which updates and reports energy generation and transmission projects under construction. [Link](#)

Exempt Resolution No. 604, dated August 9th, 2016, Approving Clarifying Circular No. 5 Process "Energy Supply Tender 2015/01". [Link](#)

Exempt Resolution No. 609, dated August 10th, 2016, which has published the list of prices of energy and power distribution substations primary Central Interconnected System and the Interconnected System of Norte Grande. [Link](#)

Exempt Resolution No. 630, dated from August 25th, 2016, amending Exempt Resolution CNE No. 571, 2016, Approving Rules on operation of the Special Nominating Committee and the procedure for the first election of members of the Board of Independent coordinator of the National Electric System and its President.

Exempt Resolution No. 634, dated August 26th, 2016, which Communicates the index value included in the fares calculations for customers under established pricing. [Link](#)

4 Expert Panel Rulings

During the period the Panel of Experts did not issue any ruling.

Comisión Nacional de Energía

Avenida Libertador Bernardo O'Higgins , 1449
Edificio Santiago DownTown, Torre 4, Piso 13

Tel. (2) 2797 2600

Fax. (2) 2797 2627

www.cne.cl

www.energiaabierta.cne.cl

Santiago - Chile