

MONTHLY ENERGY SECTOR REPORT

NATIONAL ENERGY COMMISSION



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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:

Chile Day 2015, The Energy Minister, Máximo Pacheco presents Energía Abierta

London, September 7. The Energy Minister Máximo Pacheco began his work agenda in Chile Day 2015, where he presented to the local investors the new web platform of information and statistics called Energía Abierta, which means "Open Energy". In parallel, in Chile - with few hours of difference- , the Executive Secretary of the National Energy Commission Andrés Romero presented this initiative at an event held at the Centro Cultural Palacio La Moneda.

Energía Abierta (energiaabierta.cne.cl) is the first open data platform for the energy sector in Latin America , which is inspired by international references such as the Department of Energy of the United States, the Inter-American Development Bank, the MIT and Stanford University.

This multifunctional web portal was developed by the National Energy Commission to address a wide variety of interests and needs associated with the energy sector , focusing on reducing information asymmetries, enhance transparency and fostering civic participation through the generation of new ideas and developments , all of this through an innovative solution.

Law Gas Project passes to the Senate

September 14, in the chamber of deputies it was approved the project that modifies the General Law of Gas Services, being able to start a second legislative process in the Senate.

The Executive Secretary of the National Energy Commission, Andrés Romero, cataloged this project as "very important, not only for to protect the rights of consumers of gas pipelines, but also because it introduces higher demands to the companies.

Top Ten Chile, the new online platform with energy-efficient appliances and vehicles database

Would you like to know which the most energy-efficient appliance in Chile is? Are you searching for vehicles with low fuel consumption and carbon dioxide emissions? Since August 26th, all of this is possible! The Ministry of energy in collaboration with WWF and Chile Foundation, launched the first online platform where you would be able to compare, search and choose all those vehicles, appliances and efficient bulbs ordered by price, energy consumption and more.

The main target of Top Ten Chile is to create a positive impact in the energy consumption, first of all, reducing this indicator in 20% by 2025 and also collaborating in the development of an energy-efficient country. This project was inspired on the work made by a non-profit international initiative were, for more than 10 years now, had been supporting innovation in more than 16 countries now.

The purpose is to stimulate demand for efficient products through the creation of a "benchmark" or dynamic web system where to compare the most efficient products in domestic markets. The tool provides support in energy-efficient products, complementing national labeling of EE, thus pushing the markets to move towards the best available technologies.

Government initiates legislative discussion of the law project that sets new transmission system and creates an independent coordinator

August 7, the Ministry of Energy entered to the chamber of deputies the draft law, which establishes a new electric power transmission system and creates an independent coordinator for national electrical system. With this finished a pre-legislative work of more than a year that involved the participation of the government, the electricity sector, social partners and environmental organizations, with this it was accomplished another relevant milestone of the Energy Agenda.

SUMMARY

This report was prepared in **September 2015** in order to provide energy information and statistics for **August 2015**.

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 May.

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

To prepare the report, an average exchange rate of **688.1 pesos per USD** observed in **August 2015**.

According to Exempt Resolution 312/2015 with date **August 15**, there were **65** electricity generation projects under construction in the SIC and SING, equivalent to a capacity of **5,199 MW**.

The installed capacity of the SIC in May was **15,434 MW** and it was **4,320 MW** in the SING, plus the installed capacity in the Aysén (SEA) and Magallanes (SEM) electricity systems. Together, the four systems with Easter Island and *Los Lagos*; in aggregate represent an installed capacity of **19,918 MW**.

Meanwhile, total electric power generation in the SIC in May was **4,493 GWh**, and in the SING it reached **1,575 GWh**. Therefore, the total generated in **August** was **6,068 GWh**, - **1.6%** lower than in **July 2015**.

The maximum hourly demand recorded in the SIC and the SING in May were **7,398 MW** and **2,401 MW**, respectively. The maximum in the SIC was recorded on **August 17th** while the measurement in the SING corresponds to **August 30th**, 2015.

Regarding electricity tariffs, it is important to note that the average marginal cost in **August** in the SIC was **54.1 USD/MWh**, a **-24.5%** lower than **July 2015**. In the SING meanwhile, the average marginal cost was **59.6 USD/MWh**, **21.2%** higher than the previous month.

It is worth noting the average market prices recorded in **August** in the SIC and SING which were **87.7 USD/MWh** and **80.9 USD/MWh**, respectively.

In terms of international fuel prices, the Brent crude price in **August** was **46.7 USD/bbl**, **-17.4%** lower than the previous month. Meanwhile, the average price of WTI crude was **42.9 USD/bbl**, and **-16.2%** lower than the previous month.

The Henry Hub price (international natural gas price reference) decreased **-2.3%** compared to **July**, with an average value of **2.76 USD/MBtu**.

The average price of coal was **90.0 USD/ton**, down **-1.1%** over the previous month.

In terms of gasoline prices, those of 93-octane gasoline (unleaded) and diesel should be noted. In May the average domestic price of the former was **CLP 778/liter**, while the average price of the latter was **CLP 540/liter**. In terms of percentages, these represent raise of **2.6%** and falls of **-2.4%** respectively in comparison to **July 2015**.

In regard to imports of coal, there was an decrease of **-39.1%** with respect to the previous month, being Colombia the primary country of origin. In the other hand, Brazil was the primary country of origin for the crude oil, which reached down to **-25%** of decrement in the importation.

A total of **15** energy sector projects were submitted to the Environmental Impact Evaluation System (Sistema de Evaluación de Impacto Ambiental, SEIA): 6 in electricity generation, and 9 for electricity transmission. Meanwhile, those already being evaluated represent a total investment of **USD 20,984 million**. In addition, **12** projects related to the energy sector obtained favorable environmental qualification resolutions (*Resolución de Calificación Ambiental*, or RCA) in **August**, and of those, 5 were for electricity generation projects, and 7 were for high-voltage electricity transmission line projects.

Finally, among the most important policy issues emerged during the month, highlights **the entry, with dated August 7, 2015, to the House of Commons the bill that establishes a new electric power transmission system and creates it an independent coordinator for national electrical system**, and the urgent processing of the bill amending Decree-Law No. 323 of 1931 of the Ministry of Interior and other legal dispositions, that it was approved in general and particular by the House of Commons. Another milestone was **the publication** in the Official Bulletin of the tariff decrees, which sets **prices for the generation and transmission in the electrical medium systems and establishes their respectively expansion plans**.



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 electro-magnetic equipment for electricity generation, transmission or transformation.

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

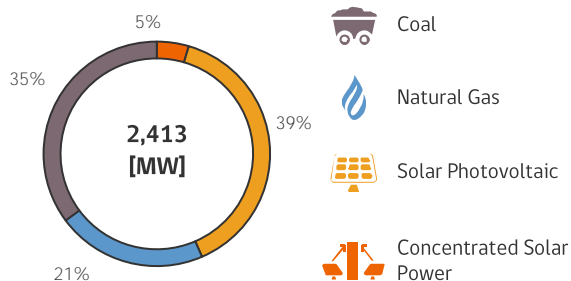
According to Exempt Resolution Num. 385/2015, "Works under Construction Update and Report," as of **September 9th** there were **28** power generation projects under construction in the SING. Together they represent capacity of **2,413 MW** and are projected to begin operation between September 2015 and February 2018.

Projects under Construction in the SING

Category	Date	Project Name	Region	Technology	Capac. [MW]
NCRE	sep-15	Andes Solar	II Región	Solar Photovoltaic	21
	sep-15	PMGD Pica I	I Región	Solar Photovoltaic	1
	sep-15	Quillagua I	II Región	Solar Photovoltaic	23
	oct-15	Finis Terrae I	II Región	Solar Photovoltaic	80
	dic-15	Atacama I	II Región	Solar Photovoltaic	100
	dic-15	Jama Etapa II	II Región	Solar Photovoltaic	22
	abr-16	Arica Solar 1 (Etapa I)	XV Región	Solar Photovoltaic	18
	abr-16	Arica Solar 1 (Etapa II)	XV Región	Solar Photovoltaic	22
	abr-16	Pular	II Región	Solar Photovoltaic	29
	abr-16	Paruma	II Región	Solar Photovoltaic	21
	may-16	Bolero Etapa I	II Región	Solar Photovoltaic	42
	jun-16	Bolero Etapa II	II Región	Solar Photovoltaic	42
	jun-16	Finis Terrae II	II Región	Solar Photovoltaic	80
	jul-16	Uribe Solar	II Región	Solar Photovoltaic	50
	jul-16	Lascar Etapa I	II Región	Solar Photovoltaic	30
	jul-16	Lascar Etapa II	II Región	Solar Photovoltaic	35
	ago-16	Bolero Etapa 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	Bolero Etapa IV	II Región	Solar Photovoltaic	41
	dic-16	Cerro Dominador	II Región	Cogeneration	110
	dic-16	Quillagua II	II Región	Solar Photovoltaic	27
	ene-17	Huatacondo	I Región	Solar Photovoltaic	98
	ago-17	Quillagua III	II Región	Solar Photovoltaic	50
	dic-15	Cochrane U1	II Región	Coal	236
	Thermoelectric	may-16	Cochrane U2	II Región	Coal
may-16		Kelar	II Región	NLG	517
feb-18		Infraestructura Energética Mejillones	II Región	Coal	375

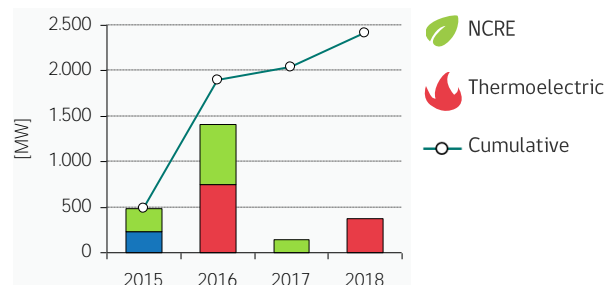
Source: NEC

Total under construction in the SING, by technology



Source: NEC

Projected operation start date, SING



Source: NEC



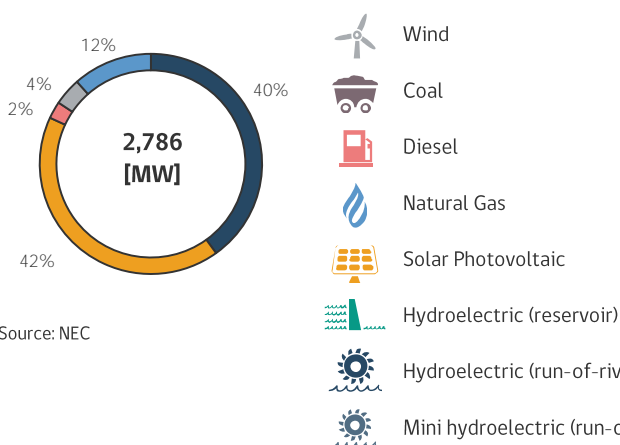
According to Exempt Resolution 385/2015, "Works under Construction Update and Report," as of September 9th there were **37** power generation projects under construction in the SIC. Together they represent capacity of **2,786 MW** and are projected to begin operation between September 2015 and October 2020.

Projects under Construction in the SIC

Category	Date	Project Name	Region	Technology	Capac. [MW]
NCRE	sep-15	El pilar Los amarillos	III Region	Solar Photovoltaic	3
	sep-15	Itata	III Region	Mini hydroelectric (run-of-river)	20
	sep-15	Luz del Norte Etapa II	III Region	Solar Photovoltaic	38
	sep-15	Panguipulli	XIV Region	Mini hydroelectric (run-of-river)	0
	sep-15	Luz del Norte Etapa III	VIII Region	Solar Photovoltaic	36
	oct-15	Luz del Norte Etapa IV	III Region	Solar Photovoltaic	31
	nov-15	Chaka Etapa I	III Region	Solar Photovoltaic	23
	nov-15	Chaka Etapa II	III Region	Solar Photovoltaic	27
	nov-15	Conejo Etapa I	III Region	Solar Photovoltaic	105
	nov-15	Lagunilla	III Region	Solar Photovoltaic	3
	dic-15	La Montaña I	II Region	Mini hydroelectric (run-of-river)	3
	dic-15	Carrera Pinto Etapa I	IV Region	Solar Photovoltaic	20
	ene-16	Renaico	VII Region	Wind	88
	ene-16	Valleland	III Region	Solar Photovoltaic	67
	ene-16	Pampa Solar	VIII Region	Solar Photovoltaic	69
	feb-16	Quilapilun	III Region	Solar Photovoltaic	103
	mar-16	Los Buenos Aires	RM	Wind	24
	mar-16	PFV Olmué	VIII Region	Solar Photovoltaic	144
	abr-16	Valle Solar	V Region	Solar Photovoltaic	74
	jun-16	Río Colorado	VII Region	Mini hydroelectric (run-of-river)	15
	jun-16	Carrera Pinto Etapa II	III Region	Solar Photovoltaic	77
	jul-16	Pelícano	III Region	Solar Photovoltaic	100
	sep-16	Carilafquén	IX Region	Mini hydroelectric (run-of-river)	20
	sep-16	Malalcahuello	IX Region	Mini hydroelectric (run-of-river)	9
	ene-17	Guanaco Solar	III Region	Solar Photovoltaic	50
	jun-16	Ancoa	III Region	Hydroelectric (run-of-river)	27
	Conventional Hydroelectric	sep-16	La Mina	VI Region	Hydroelectric (run-of-river)
jul-17		Ñuble	VII Region	Hydroelectric (run-of-river)	136
feb-18		Alto Maipo - Central Las Lajas	VIII Region	Hydroelectric (run-of-river)	267
may-18		Alto Maipo - Central Alfalfal II	RM	Hydroelectric (run-of-river)	264
sep-18		Los Cóndores	RM	Hydroelectric (run-of-river)	150
oct-20		CH San Pedro	VII Region	Hydroelectric (run-of-river)	170
Thermoelectric	mar-16	Doña Carmen	XIV Region	Others	70
	sep-16	El Romero	VII Region	Others	196
	sep-15	CMPC Tissue	V Region	Natural Gas	22
	sep-15	Planta de Cogeneración Papeles Cordillera S.A	RM	Natural Gas	50
	jun-17	CTM-3	RM	Cogeneration	251

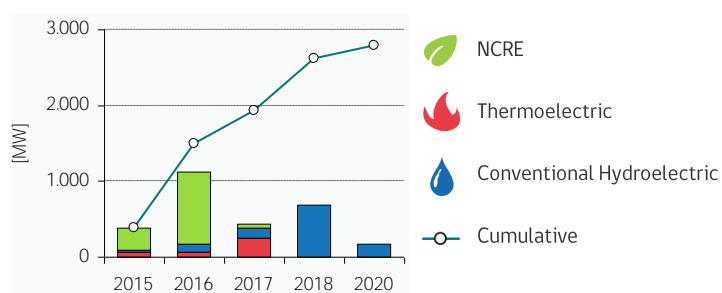
Source: NEC

Total under construction in the SIC, by technology



Source: NEC

Projected operation start date, SIC



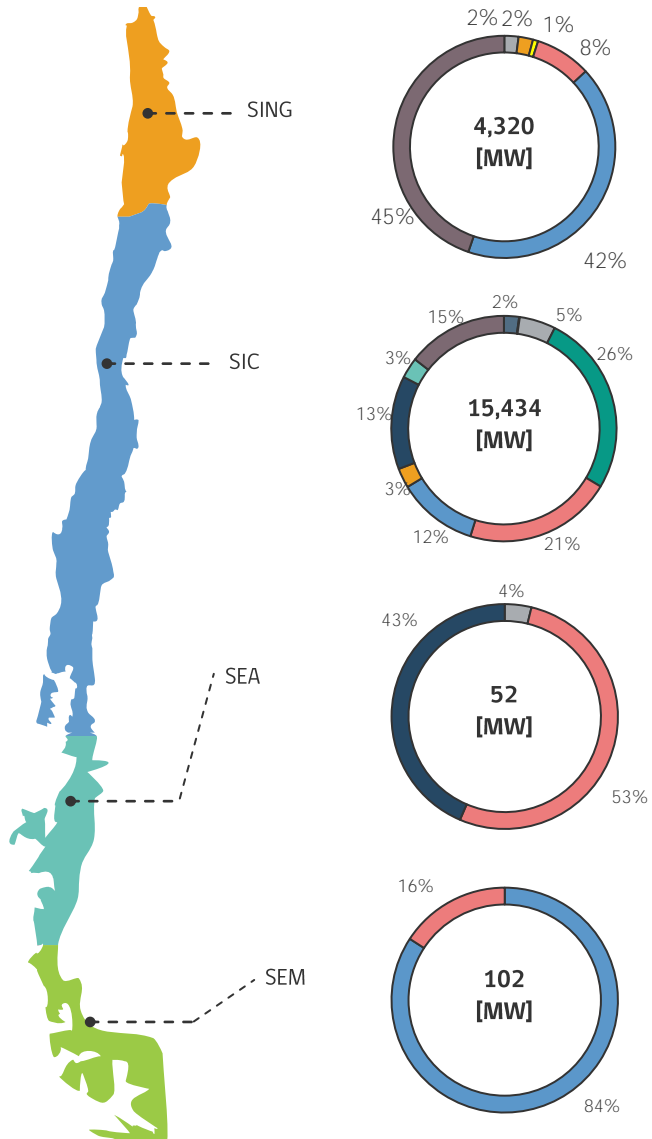
Source: NEC



2 Installed Electricity Generation Capacity

The installed electricity generation capacity as of August 2015 was **(*)19,918 MW**. Of that, **15,434 MW (77.5%)** corresponded to the SIC and **4,320 MW (21.7%)** to the SING. The remaining 0.8% was distributed among the Aysén and Magallanes electricity systems. As of May, **58.7%** of the country's total installed capacity is represented by thermoelectric generation, while **30.6%** is hydroelectric and **10.7%** is NCRE. For more information about NCRE projects, please go to the [CIFES Monthly Energy Report](#)

Installed Capacity by Technology



Source: CDEC-SIC / CDEC-SING and NEC

Installed capacity by system

System	Capacity [MW]	Capacity [%]
SING	4,320	21.7%
SIC	15,434	77.5%
SEA	52	0.3%
SEM	102	0.5%

Source: CDEC-SIC / CDEC-SING and NEC

- Other
- Wind
- Diesel
- Coal
- Biomass
- Natural Gas
- Solar Photovoltaic
- Hydroelectric (reservoir)
- Hydroelectric (run-of-river)
- Mini hydroelectric (run-of-river)

Power generation plants in testing phase

In addition to the total installed capacity, there are **14** 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, **8** plants are in the SIC (with a total capacity of **214.6 MW**) and **6** are in the SING (with a total capacity of **69.7 MW**). Thus, there is a total of **284.3 MW** in the testing phase.

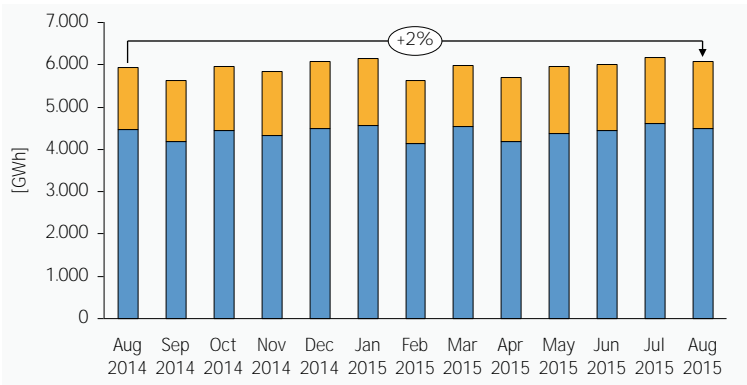
* The total installed capacity also includes Los Lagos (6 MW) and Easter Island (4 MW) systems.



3 Electricity Generation

Power generation in the SIC during **August 2015** reached a total of **4,493 GWh**, which were classified as **39%** thermoelectric, **48%** conventional hydroelectric and **13%** NCRE. In the SING, **1,575 GWh** of electric power were generated, **95%** from thermoelectric plants and **5%** from NCRE. Together the systems reached a total of **6,068 GWh**, an decrease of **-1.6%** over the previous month and **2.3%** higher than August 2014. In resume, if we sort by generation category, we distinguish: **11.0%** NCRE, **35.4%** hydroelectric and **53.6%** thermoelectric generation.

Evolution of gross electric power generation, SIC-SING



Source: CDEC-SIC / CDEC-SING

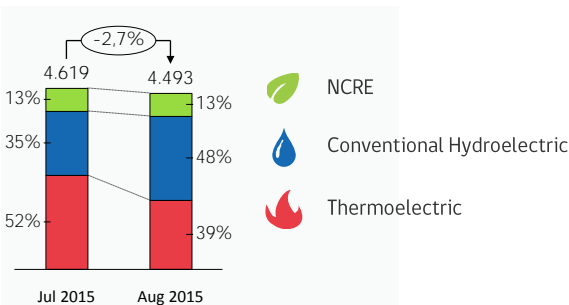
Evolution of gross electric power generation, SIC-SING

Energy Generation [GWh]	Monthly	Annual
● Total	6,068	-1.6% ▲ 2.3%
● SING	1,575	▲ 1.7% ▲ 7.3%
● SIC	4,493	▼ -2.7% ▲ 0.6%

Source: CDEC-SIC / CDEC-SING

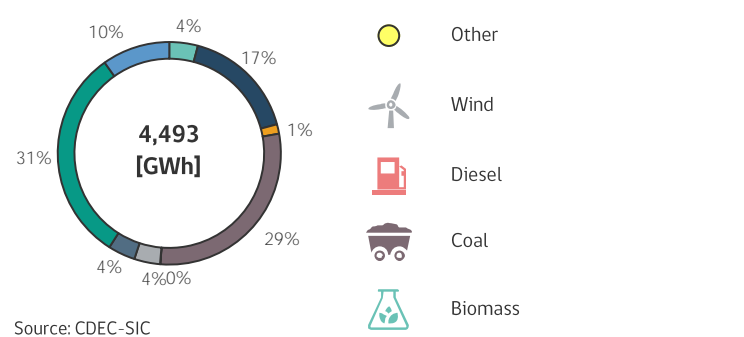
Following is a breakdown of power generation by technology in the SIC and SING.

Monthly Variation in Generation, SIC



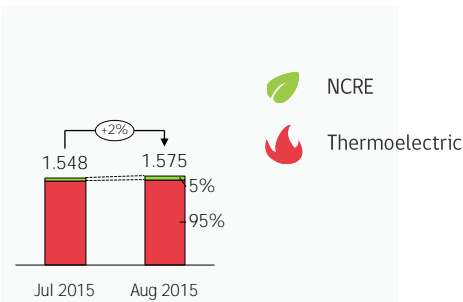
Source: CDEC-SIC

SIC generation by source



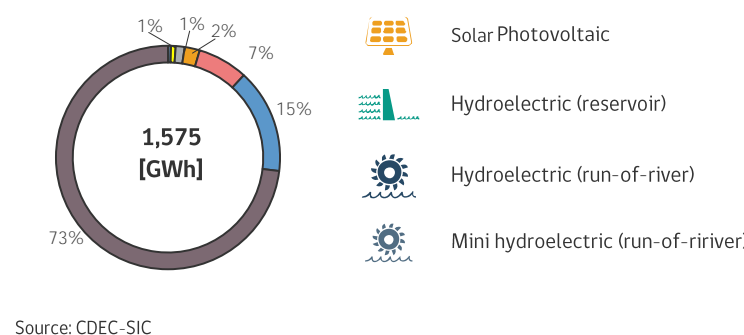
Source: CDEC-SIC

Monthly Variation in Generation, SING



Source: CDEC-SIC

SING generation by source



Source: CDEC-SIC

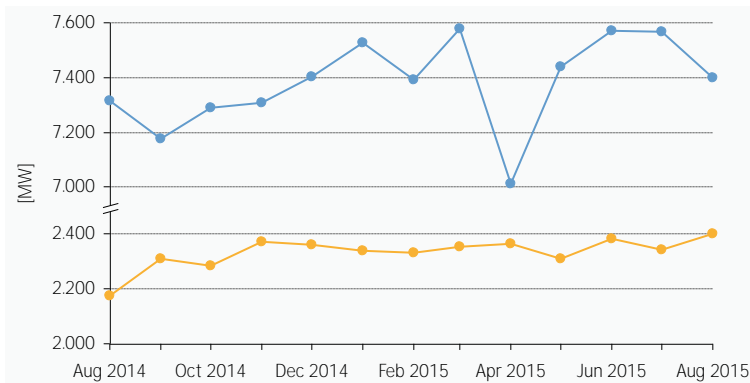
For more information about NCRE projects, please go to the [CIFES Monthly Energy Report](#)



4 Maximum Hourly Demand

The maximum hourly demand recorded on **August 17th** in the SIC was **7,398 MW**, similar to the demand recorded in the previous month and **1.1%** higher than August 2014. In the SING, the maximum hourly demand recorded on **August 30th** was **2,401 MW**, which represented a **2.4%** increase over the maximum hourly demand recorded in the previous month and a **10.3%** increase over the same month of 2014.

Evolution of maximum hourly demand, SIC - SING



Source: CDEC - SIC / CDEC - SING

Variation in maximum hourly demand, by system

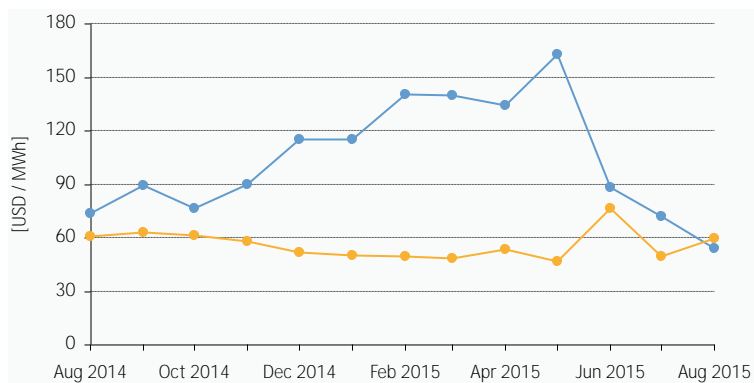
System	[MW]	Monthly	Annual
SIC	7,398	-2.2%	1.1%
SING	2,401	2.4%	10.3%

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 **54.1 USD/MWh**, **-24.5%** lower than the previous month and **-26.6%** lower than August 2014. In the SING, the average marginal cost was **59.6 USD/MWh**, **21.2%** also higher from the previous month and a declined of **-2.0%** from August 2014.

Evolution of marginal costs, SIC - SING



Source: CDEC - SIC / CDEC - SING

Variation in marginal costs, SIC - SING

System	[USD/MWh]	Monthly	Annual
SIC	54.1	-24.5%	-26.6%
SING	59.6	21.2%	-2.0%

Source: CDEC - SIC / CDEC - SING

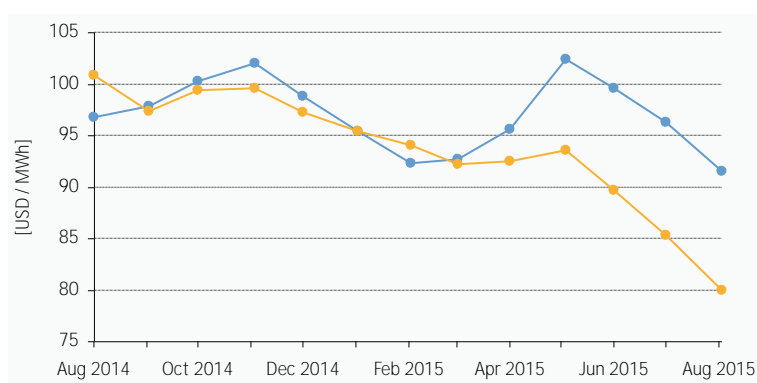


6 Average Market Price

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 May for the SIC was **87.7 USD/MWh**, **-9.4%** lower than the previous month and **-12.5%** than August 2014. The AMP in the SING was **80.9 USD/MWh**, **-4.3%** lower than the previous month and **-18.8%** than the same month in 2014.

Evolution of market prices, SIC - SING



Source: CDEC - SIC / CDEC - SING

Variation in average market prices, by system

System	[USD/MWh]	Monthly	Annual
SIC	91.5	-5.0%	-5.5%
SING	79.9	-6.3%	-20.7%

Source: CDEC - SIC / CDEC - SING

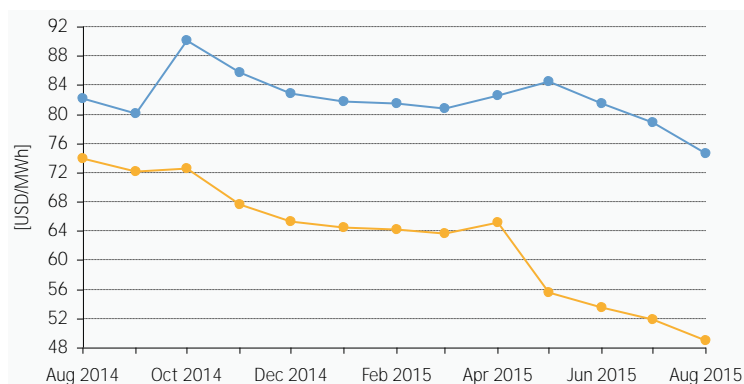
7 Short-term Node Prices

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-yearly decree that sets node prices for electricity supply. The prices are calculated by the National Energy Commission (NEC) 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 **74.6 USD/MWh**, decreased in **-5.5%** compared to the previous month and **-9.2%** to the same month in 2014. In the SING, the node energy price in August was **49.0 USD/MWh**, with a **-5.5%** variation from the previous month and **-33.7%** of decrease compared to last year.

Evolution of node energy prices, SIC - SING



Source: NEC

Variation in node energy prices, by system

System	[USD/MWh]	Monthly	Annual
PNE SIC	74.6	-5.5%	-9.2%
PNE SING	49.0	-5.5%	-33.7%

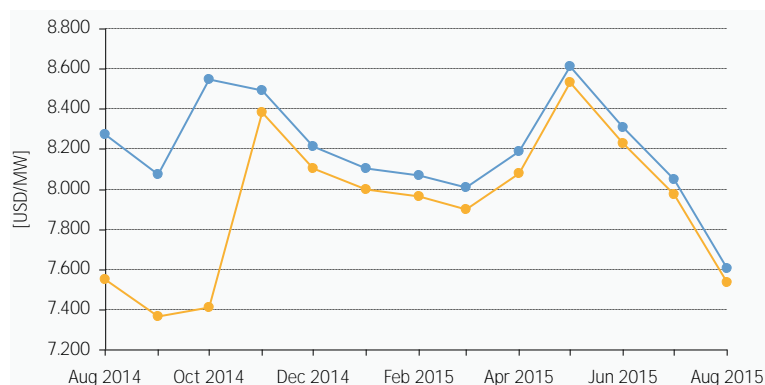
Source: NEC



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 **7,605 USD/MW**, decreased on **-5.5%** compared to the previous month and **-8.1%** lower than the same month in 2014. In the SING, the node power price in **August** was **7,534 USD/MW**, with **-5.5%** variation from the previous month and **-0.2%** of decrease compared to last year.

Evolution of node power price, SIC - SING



Source: CNE

Variation in node power price

System	[USD/MW]	Monthly	Annual
● PNP SIC	7,605	▼ -5.5%	▼ -8.1%
● PNP SING	7,534	▼ -5.5%	▼ -0.2%

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 2015. 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	61	▲ 2.2%	▲ 3.1%
Tres Puentes	61	▲ 2.1%	▲ 5.6%
Pto Natales	89	▲ 2.9%	▲ 5.0%
Porvenir	83	▲ 2.9%	▲ 11.6%
Pto Williams	284	▼ -0.2%	▲ 6.2%
Aysén 23	87	▼ -0.2%	▼ -11.7%
Chacab23	87	▼ -0.2%	▼ -11.6%
Mañi23	87	▼ -0.2%	▼ -11.6%
Ñire33	87	▲ 2.0%	▼ -11.5%
Tehuel23	87	▼ -1.0%	▲ 7.0%
Palena	83	▲ 1.9%	▼ -18.4%
G.Carrera	116	▲ 1.8%	▲ 8.7%
Cochamó	187	▲ 1.6%	▼ -13.0%
Hornopirén	160	▲ 2.0%	▲ 6.2%

Source: CNE

Variation in node power price, medium-size systems

Busbar	[USD/MW-mth]	Index	Annual
Pta Arenas	14.760	▲ 2.9%	▲ 11.6%
Tres Puentes	14.760	▲ 2.9%	▲ 11.6%
Pto Natales	8.241	▲ 2.5%	▲ 9.6%
Porvenir	10.379	▲ 2.2%	▲ 8.1%
Pto Williams	19.713	▲ 1.6%	▲ 6.2%
Aysén 23	10.851	▲ 1.9%	▲ 8.7%
Chacab23	10.851	▲ 1.9%	▲ 8.7%
Mañi23	10.851	▲ 1.9%	▲ 8.7%
Ñire33	10.851	▲ 1.9%	▲ 8.7%
Tehuel23	10.851	▲ 1.9%	▲ 8.7%
Palena	15.343	▲ 1.8%	▲ 7.9%
G.Carrera	20.950	▲ 1.6%	▲ 6.3%
Cochamó	20.657	▲ 1.6%	▲ 6.2%
Hornopirén	13.125	▲ 2.0%	▲ 8.5%

Source: CNE

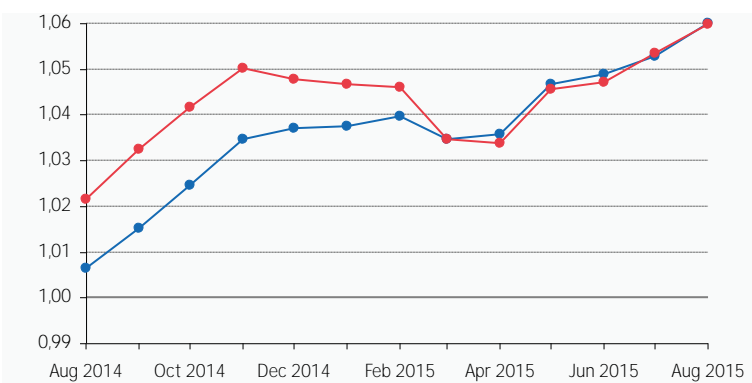


9 Evolution of Variable Distribution Cost Indexes

The distribution added value (DAV)* is set every four years by the Energy Ministry, based on a technical report prepared by the NEC, 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 2015.

For more information, visit [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	1.060	0.7%	5.3%
CDBT	1.060	0.6%	3.7%

Source: CNE

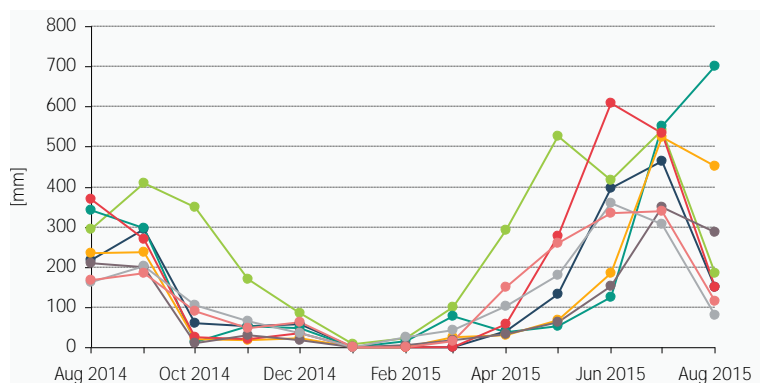
10 Hydrological Statistics

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 31, 2015 are shown below for the main measurement locations.

Evolution of Annual Rainfall



Source: CDEC-SIC

Variation in Annual Rainfall

Reservoir	[mm]	Monthly	Annual
Abanico	150	-68%	-31%
Canutillar	184	-66%	-37%
Others (**)	701	27%	105%
Colbún	450	-14%	91%
Pangué	148	-72%	-60%
Pehuenche	288	-18%	38%
Pilmaiquén	79	-74%	-51%
Pullinque	114	-66%	-31%

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

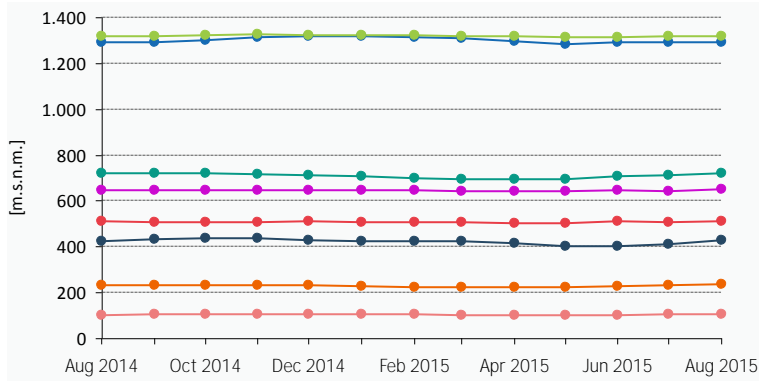
(**) Other: Sauzal, Cypress, Molles, Rapel.



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

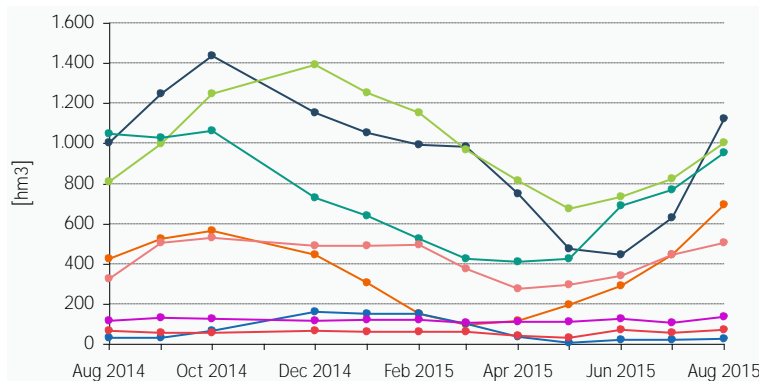
Reservoir	[m.s.n.m.]	Monthly	Annual
CHAPO	235	▲ 2.4%	▲ 2.5%
COLBUN	427	▲ 4.1%	▲ 0.8%
LA INVERNADA	1,292	▲ 0.2%	▼ -0.1%
LAJA	1,318	▲ 0.2%	▲ 0.2%
MELADO	648	▲ 1.2%	▲ 0.7%
PANGUE	509	▲ 0.6%	▲ 0.1%
RALCO	718	▲ 1.0%	▼ -0.5%
RAPEL	104	▲ 0.8%	▲ 2.7%

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 2015**.

Evolution of Reservoir Volume



Source: CDEC-SIC

Variation in Reservoir Volume

Embalse	[hm³]	Mensual	Anual
CHAPO	693	▲ 56,9%	▲ 63,1%
COLBUN	1.121	▲ 79,0%	▲ 12,0%
LA INVERNADA	27	▲ 39,7%	▼ -11,9%
LAJA	1.001	▲ 21,8%	▲ 23,7%
MELADO	135	▲ 27,6%	▲ 15,0%
PANGUE	69	▲ 25,8%	▲ 5,6%
RALCO	952	▲ 24,4%	▼ -9,2%
RAPEL	502	▲ 13,4%	▲ 54,5%

Source: CDEC-SIC

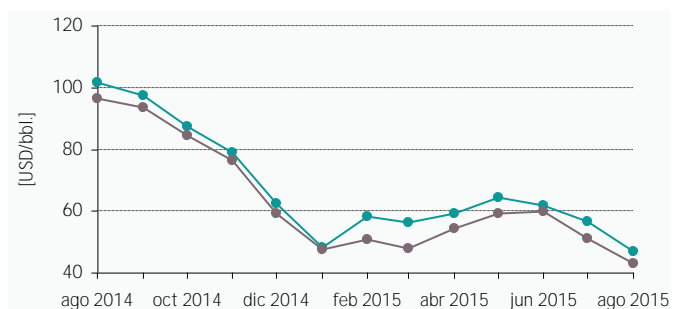


OIL AND GAS SECTOR

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 2015**, BRENT oil prices averaged **46.7 USD/bbl**, which represents an **-17.4%** decrease from the previous month and a **-54.0%** decrease from August 2014. Meanwhile, the average WTI oil prices was **42.9 USD/bbl**, a **-16.2%** decrease from the previous month and a **-55.5%** decrease from the same month the previous year.

Evolution of BRENT and WTI Oil Prices



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

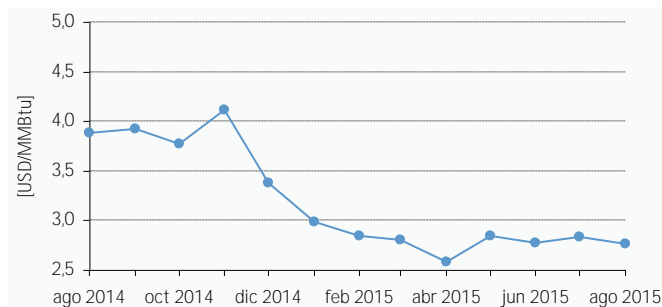
Crude Oil Variation (USD/bbl.)

Index	USD/bbl.	Monthly	Annual
BRENT DTD	46.7	▼ -17.4%	▼ -54.0%
WTI	42.9	▼ -16.2%	▼ -55.5%

Source: NEC, 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**, Henry Hub averaged **2.76 USD/MMBtu**, an **-2.3%** decrease from the previous month and a **-28.8%** decrease compared to **August 2014**.

Evolution of Natural Gas Price (Henry Hub)



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

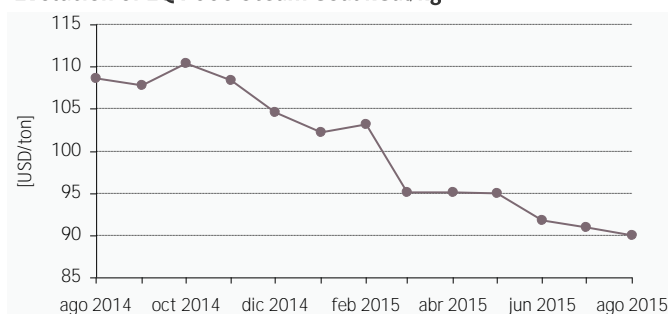
Natural Gas Variation (Henry Hub)

Index	USD/MMBtu	Monthly	Annual
HENRY HUB SPOT	2.76	▼ -2.3%	▼ -28.8%

Source: NEC, 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 averaged a price of **90.0 USD/ton**, representing an **-1.1%** decrease over the previous month and a **-17.2%** decrease from the same month in **2014**.

Evolution of EQ 7000 Steam Coal kCal/kg



Source: NEC, 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	90.0	▼ -1.1%	▼ -17.2%

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

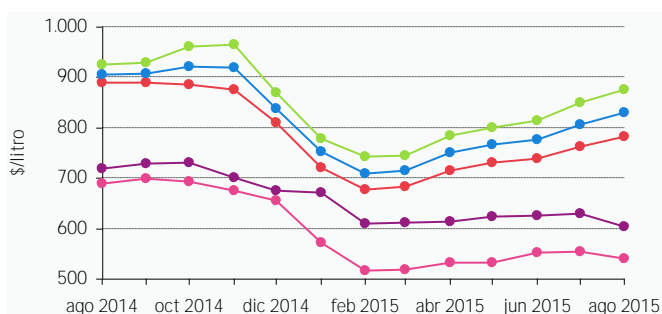


2 Domestic Liquid Fuel Prices

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



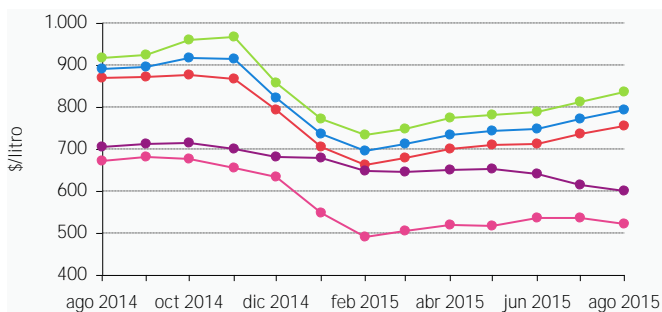
Source: NEC — Online Information System of Gas Station Fuel Prices

Variation of Liquid Fuel Prices

Fuel Type	\$/liter	Monthly	Annual
Gasolina 93 SP	781	▲ 2.5%	▼ -12.1%
Gasolina 95 SP	829	▲ 2.8%	▼ -8.5%
Gasolina 97 SP	876	▲ 3.1%	▼ -5.3%
Kerosene	604	▼ -4.0%	▼ -15.8%
Petróleo Diesel	540	▼ -2.4%	▼ -21.7%

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

Santiago Metropolitan

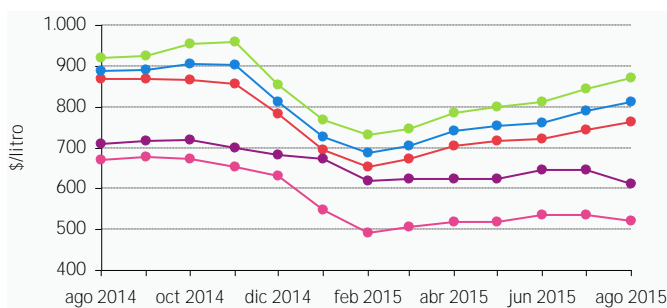


Source: NEC — Online Information System of Gas Station Fuel Prices

Fuel Type	\$/liter	Monthly	Annual
Gasolina 93 SP	756	▲ 2.7%	▼ -13.0%
Gasolina 95 SP	793	▲ 2.8%	▼ -10.9%
Gasolina 97 SP	836	▲ 2.9%	▼ -8.8%
Kerosene	599	▼ -2.3%	▼ -14.9%
Petróleo Diesel	521	▼ -2.6%	▼ -22.3%

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

Valparaíso



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

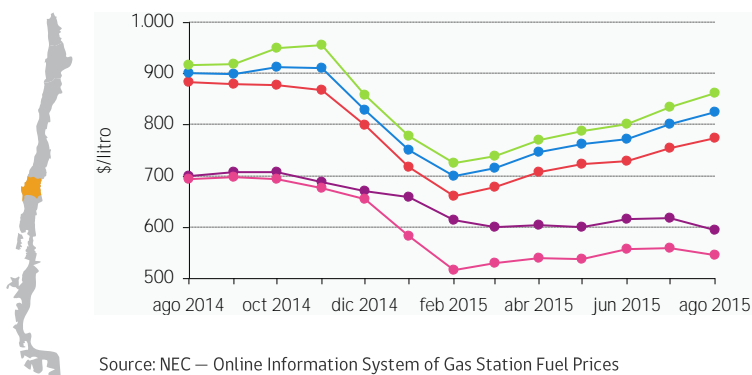
Fuel Type	\$/liter	Monthly	Annual
Gasolina 93 SP	761	▲ 2.4%	▼ -12.1%
Gasolina 95 SP	811	▲ 2.8%	▼ -8.7%
Gasolina 97 SP	869	▲ 3.1%	▼ -5.3%
Kerosene	612	▼ -5.4%	▼ -13.7%
Petróleo Diesel	521	▼ -2.6%	▼ -22.1%

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



Evolution of Liquid Fuel Prices

Concepción

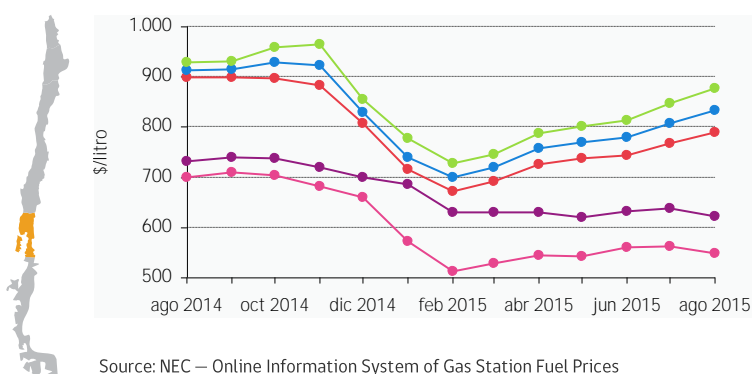


Variation of Liquid Fuel Prices

Fuel Type	\$/liter	Monthly	Annual
Gasolina 93 SP	774	▲ 2.7%	▼ -12.3%
Gasolina 95 SP	823	▲ 2.9%	▼ -8.5%
Gasolina 97 SP	861	▲ 3.2%	▼ -6.1%
Kerosene	594	▼ -3.9%	▼ -15.0%
Petróleo Diesel	546	▼ -2.4%	▼ -21.3%

Source: NEC – Online Information System of Gas Station Fuel Prices

Puerto Montt



Fuel Type	\$/liter	Monthly	Annual
Gasolina 93 SP	788	▲ 2.7%	▼ -12.4%
Gasolina 95 SP	832	▲ 3.1%	▼ -8.7%
Gasolina 97 SP	876	▲ 3.4%	▼ -5.6%
Kerosene	621	▼ -2.6%	▼ -15.0%
Petróleo Diesel	547	▼ -2.6%	▼ -21.8%

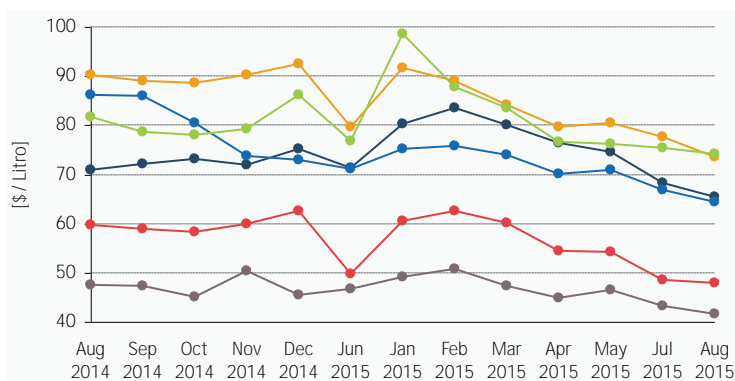
Source: NEC – Online Information System of Gas Station Fuel Prices

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

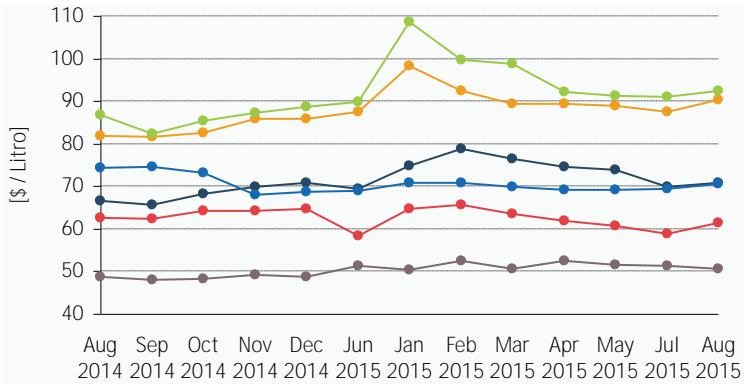
93-Octane Gas	\$/liter	Monthly	Annual
5th Region	65	▼ -4.4%	▼ -7.7%
6th Region	74	▼ -5.1%	▼ -18.4%
7th Region	64	▼ -3.6%	▼ -25.4%
8th Region	74	▼ -1.7%	▼ -9.3%
Santiago Metropolitana	48	▼ -1.2%	▼ -19.8%
12th Region	42	▼ -4.1%	▼ -12.5%

Source: CNE



Diesel

Evolution of Gross Sales Margin



Source: CNE

Variation in Gross Sales Margin

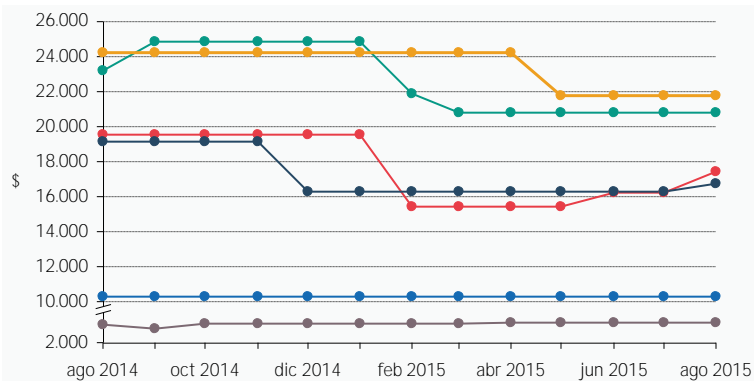
Diesel Oil	\$/liter	Monthly	Annual
5th Region	71	▲ 1.3%	▲ 6.1%
6th Region	90	▲ 3.2%	▲ 10.3%
7th Region	70	▲ 1.8%	▼ -5.1%
8th Region	92	▲ 1.5%	▲ 6.5%
Santiago Metropolitana	61	▲ 4.4%	▼ -2.0%
12th Region	51	▼ -1.2%	▲ 4.0%

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 liquefied 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: NEC – Online Gas Price System

Variation in Network Gas Prices

Company (Region)	\$	Monthly	Annual
Lipigas (2th)	10.312	▬ 0.0%	▬ 0.0%
Gasvalpo (5th)	17.419	▲ 7.2%	▼ -10.9%
Metrogas (Metropolitana)	16.771	▲ 3.0%	▼ -12.5%
Gassur (8th)	20.793	▬ 0.0%	▼ -10.4%
Intergas (8th)	21.792	▬ 0.0%	▼ -10.0%
Gasco Magallanes (9th)	3.157	▲ 0.5%	▲ 4.2%

Source: NEC – Online Gas Price System

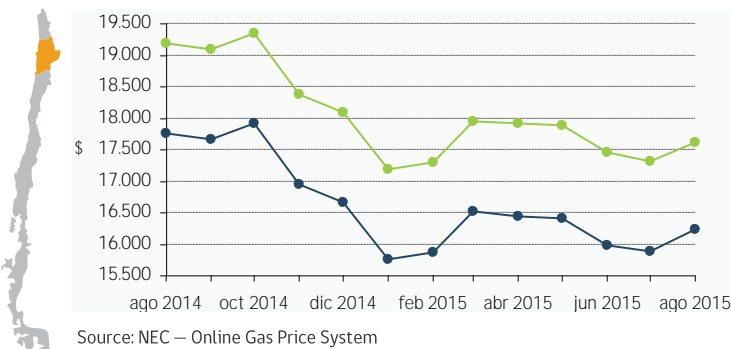


5 Domestic Prices of Bottled Liquefied Petroleum Gas

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

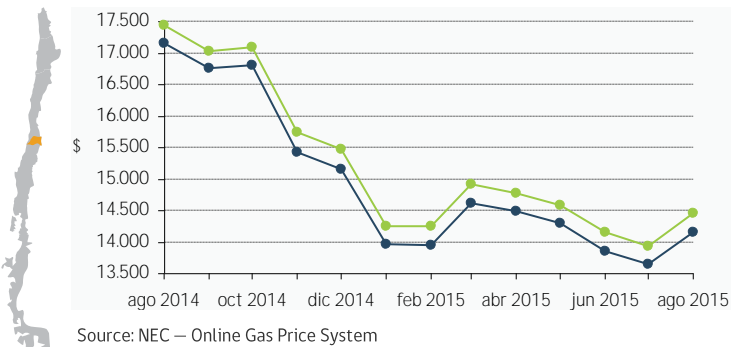


Variation in Bottled LPG Prices

Type	\$	Monthly	Yearly
Catalytic	17,615	-8.1%	91.9%
Regular	16,227	-8.6%	91.4%

Source: NEC – Online Gas Price System

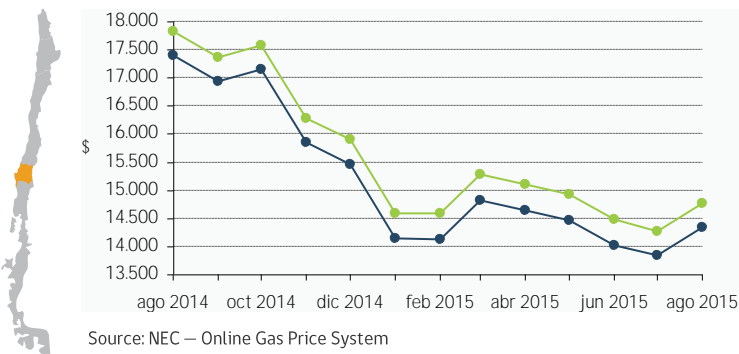
Santiago Metropolitan



Type	\$	Monthly	Yearly
Catalytic	14,451	-17.1%	82.9%
Regular	14,155	-17.5%	82.5%

Source: NEC – Online Gas Price System

Concepción



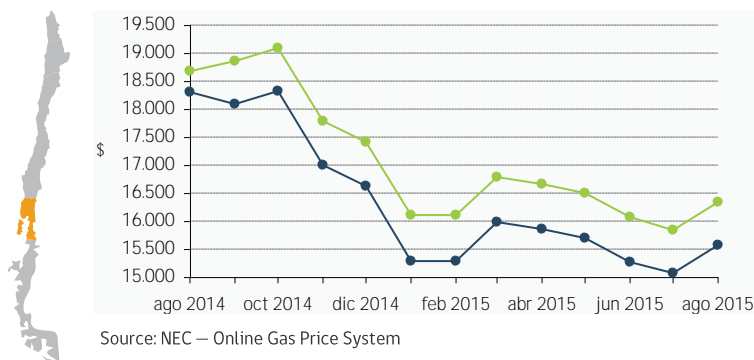
Type	\$	Monthly	Yearly
Catalytic	14,757	-17.2%	82.8%
Regular	14,330	-17.6%	82.4%

Source: NEC – Online Gas Price System



Evolution of Bottled LPG Prices

Puerto Montt



Variation in Bottled LPG Prices

Type	\$	Monthly	Yearly
Catalytic	16,347	▼ -12.5%	▲ 87.5%
Regular	15,567	▼ -15.0%	▲ 85.0%

Source: NEC – Online Gas Price System

6 Importaciones y Exportaciones de Combustibles

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 90% of total national imports (in tons) for July 2015.

The main fuels exported during the month of July was coal representing 93% of total exports measured in tons.

The total variation of imports registered an decrease of -27.6% over the previous month and -28.1% compared to July 2014. Meanwhile, the total change in exports recorded a considerable increase compared to the previous month and a decrease of -2% in reference to July 2014.

Imports of the main primary fuels during the month of July are coal from the Colombia and Australia; crude oil from Brazil and Ecuador; diesel from the United States and Japan; and liquefied natural gas brought from Trinidad and Tobago and Guinea Ecuatorial. During July the exports of diesel and gasoline recorded as country of destination Bolivia.

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	690	▼ -39.1%	▼ -46.4%
Crude Oil	667	▼ -25.0%	▼ -30.1%
Diesel Oil	379	▼ -9.5%	▲ 6.0%
Natural Gas	251	▼ -26.2%	▲ 12.8%
Gasoline	32	▲ (**)	▲ 11.3%
LPG	74	▼ -46.6%	▼ -32.2%
IFO	0.0	(*)	▲ 1162.8%
Household Kerosene	36	▲ 61.3%	▲ (**)
Overall total	2,128	▼ -27.6%	▼ -28.1%

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

(*) No transactions recorded during the period under review

(**) Not recorded during the reference month transactions

Variation in Exports During the Period

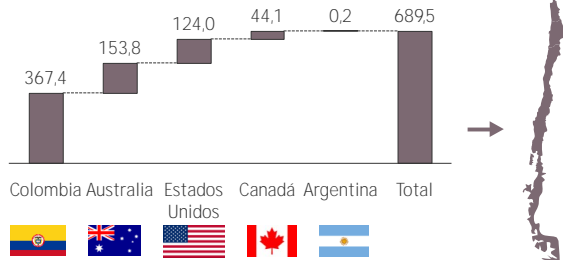
Fuel	[Thous-Tons]	Monthly	Annual
Coal	143	▲ 2.0%	▼ -0.5%
Diesel Oil	4	▲ 88.2%	▼ -41.5%
Gasoline	5	▲ 266.0%	▲ 34.1%
GLP	2	▲ (*)	▼ -15.6%
IFO	0	(*)	(*)
TOTAL	154	▲ 7.0%	▼ -1.8%

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



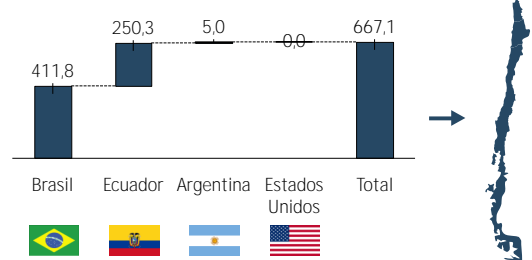
Imports by Country of Origin (thousands of tons)

Coal (*)



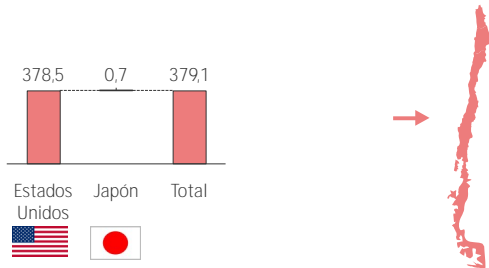
Source: Customs, provided by Comex Service, Santiago Chamber of Commerce

Crude Oil



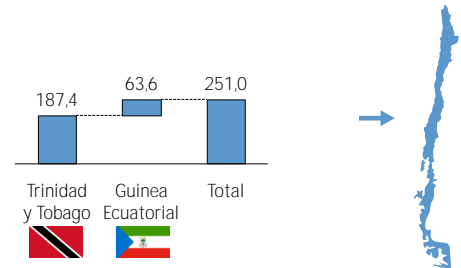
Source: Customs, provided by Comex Service, Santiago Chamber of Commerce

Diesel Oil



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

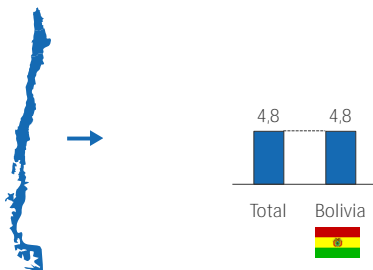
Natural Gas



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

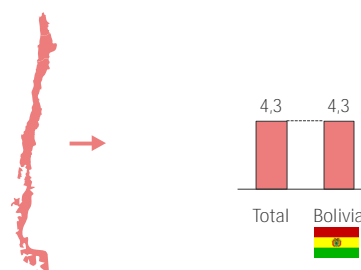
Exports by Country of Origin (thousands of tons)

Gasoline



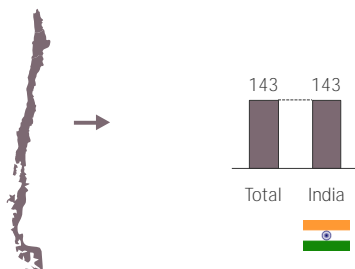
Source: Customs, provided by Comex Service, Santiago Chamber of Commerce

Diesel Oil



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

Coal ()**



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

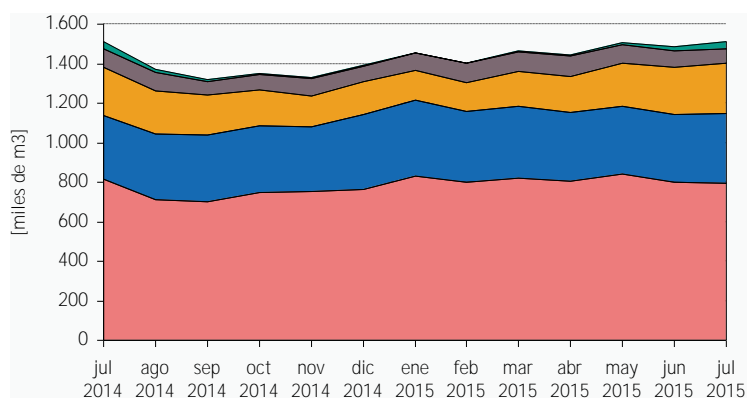
(*) Imported coal is mostly bituminous coal.
 (**) Exported coal is mostly sub-bituminous coal



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: NEC, based on ENAP data

Fuel Sales Variation, by Type

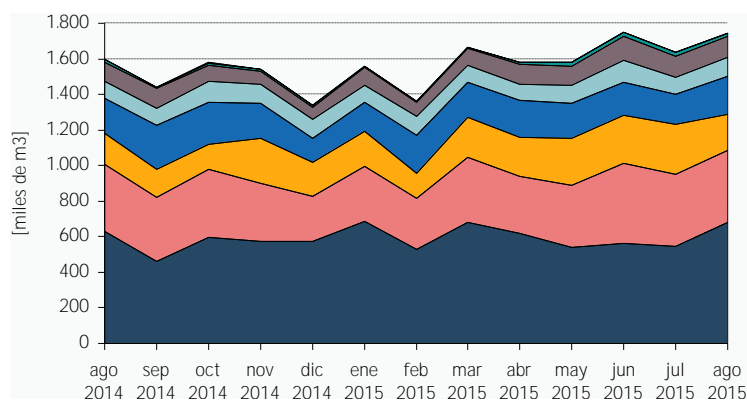
Type	[Thous - m3]	Monthly	Annual
Household kerosene	33	▲ 32.0%	■ 0.0%
Fuel Oils	72	▲ -11.1%	▼ -22.6%
Liquefied Gas	259	▲ 7.9%	▲ 5.3%
Gasoline	349	▲ 2.3%	▲ 7.7%
Diesel Oil	797	▼ -0.5%	▼ -2.1%
Overall total	1,510	▼ 1.5%	■ 0.0%

Source: NEC, 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: NEC

Fuel Inventory Evolution, by Type

Type	[Thous - m3]	Monthly	Annual
Aviation gas	1	▲ 27.9%	▲ 29.6%
Household K	16	▼ -17.4%	▲ 43.5%
Fuel Oils	119	▼ -0.1%	▲ 6.4%
Kerosene Av.	105	▲ 6.7%	▲ 12.5%
Automotive gas	214	▲ 25.5%	▲ 8.1%
Liquefied gas	205	▼ -26.6%	▲ 18.6%
Diesel oil	405	▲ 0.1%	▲ 7.4%
Crudo oil	679	▲ 24.5%	▲ 7.6%
Overall total	1,744	▲ 6.5%	▲ 9.3%

Source: NEC



ENERGY PROJECTS UNDERGOING ENVIRONMENTAL EVALUATION

1 Projects Submitted for Environmental Evaluation

In August 2015, **15 energy projects** were submitted to the Environmental Impact Evaluation System (SEIA), representing an investment of **USD 1,304 million**. Of these, **6** projects are for electric power generation and **9** projects are for electrical transmission growth.

Detail of energy projects submitted for environmental evaluation

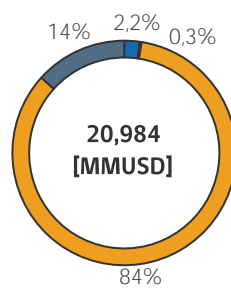
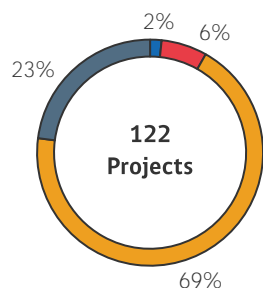
Project Type	Project Owner	Project Name	Presentation Date	Investment [MMUSD]	WEB
Generation	Desarrollos Solares SpA	Modificación Proyecto Parque Fotovoltaico	25/ago/2015	7,2	Link
Generation	Empresa Eléctrica Guacolda S.A.	60 MW Sistema de Almacenamiento de Energía BESS-Guacolda	24/ago/2015	70,0	Link
Generation	Parque Solar Fotovoltaico Luz	Parque Solar Fotovoltaico Luz del Oro	21/ago/2015	952,3	Link
Generation	GR CHAQUIHUE SpA	Planta Fotovoltaica Santa Rosa	21/ago/2015	18,0	Link
Generation	Compañía Siderúrgica Huachipato S.A.	Cogeneración de energía eléctrica con excedentes de gas, CAP Acero	20/ago/2015	4,3	Link
Generation	GR Araucaria SpA	Planta Fotovoltaica La Esperanza	20/ago/2015	18,0	Link
Substation	GR CANELO SpA	Planta Fotovoltaica Marchigüe	20/ago/2015	18,0	Link
Substation	Duke Energy International Sol	Parque Solar Don Sebastián	19/ago/2015	70,5	Link
Substation	ALPIN SUN CHILE SPA	Proyecto Parque Fotovoltaico ValleSolar	13/ago/2015	120,0	Link
Substation	Power Train Technologies Chile S.A	Central Hidroeléctrica de Pasada Río Coihueco	12/ago/2015	5,3	Link
Substation	TRANSNET S.A.	Línea de Transmisión 1 x 66 kV Fátima - Isla	21/ago/2015	5,1	Link
Substation	Parque Eólico Renaioco S.p.A	Línea de Transmisión Eléctrica Bureo -	24/ago/2015	6,0	Link
Substation	GEOTERMICA DEL NORTE S.A.	Modificación Línea de Transmisión Eléctrica	18/ago/2015	6,0	Link
Substation	Empresa Nacional del Petróleo - Magallanes	Modificación Trazado Línea de Flujo Lircay Oeste ZG-1	18/ago/2015	0,9	Link
Substation	PETROMAGALLANES OPERACIONES LTDA.	Fracturación Hidráulica de 4 Pozos Sector Río del Oro, Bloque Caupolicán Tierra del Fuego	18/ago/2015	2,0	Link

Source: SEIA

2 Energy Projects Currently Being Evaluated

In August 2015, there were **122** energy projects awaiting approval of their environmental qualification resolutions (RCA). Of these, **69%** are projects related to electric power generation, and the remaining **23%** to electrical transmission and/or substations, . Together they represent a total investment of **20,984 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 substations projects

Source: SEIA



3 Projects with Approved Environmental Qualification Resolution

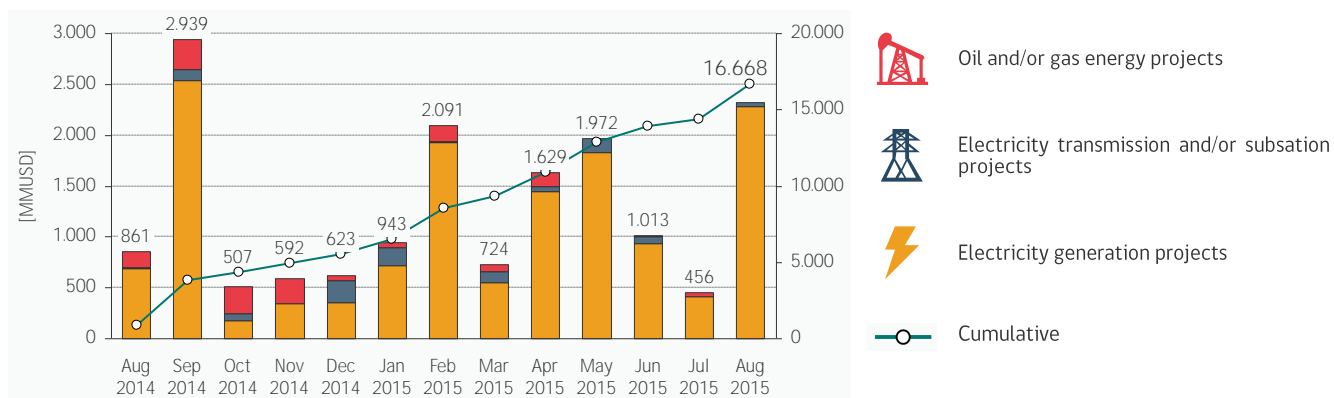
In **August 2015**, the environmental qualification resolutions (RCA) of **12** energy projects were approved. Of these, **5** projects are for electric power generation with total capacity of **462 MW** and **7** other projects are for electricity transmission and/or substations. Together they represent a total investment of **2,575 MMUSD**.

Project Type	Region	Project Owner	Investment [MMUSD]	RCA Date	Capability	Web
Generation	III	ENERGIAS RENOVABLES FOTONES DE CHILE SpA	161,0	09/sep/2015	90	Link
Generation	III	SOLAIRE DIRECT GENERACIÓN VI SPA	100,0	24/ago/2015	47,4	Link
Generation	III	Copiapó Energía Solar SpA	2000,0	21/ago/2015	260	Link
Generation	I	Planta Solar Lagunas S.A.	180,0	21/ago/2015	63,18	Link
Generation	VII	ELÉCTRICA EL GALPÓN SPA	2,3	11/ago/2015	1,4	Link
High-voltage electricity transmission line	II	EOSOL NEW ENERGY S.A.	1,7	04/ago/2015	1X220kV	Link
High-voltage electricity transmission line	II	Kelar S.A	10,5	01/sep/2015	2x220 kV	Link
High-voltage electricity transmission line	III	Transmisora Eléctrica del Norte S.A.	84,0	09/sep/2015	2x220 kV	Link
High-voltage electricity transmission line	III	ACCIONA ENERGÍA CHILE SpA	4,0	28/ago/2015	1X110kV	Link
High-voltage electricity transmission line	XIV	Sistema de Transmisión del Sur S.A.	8,0	07/ago/2015	1X110kV	Link
High-voltage electricity transmission line	IR	Transmisora Eléctrica del Norte S.A.	8,0	13/ago/2015	2x220-2x500 Kv	Link
High-voltage electricity transmission line	IR	Tolchén Transmisión SpA.	15,0	18/ago/2015	2x220kV	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 **16,668 MMUSD**. In particular, energy power generation projects have a total investment of **14,205 MMUSD** (85.2%), equivalent to **4,820 MW** approved.

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



Source: SEIA



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	Amending Decree-Law No. 323 of 1931, Gas Services Act, the Ministry of Interior and other laws.	Very Urgent	First reading. In discussion in the Committee on Mining and Energy of the Chamber of Deputies.	29.01.2015	Link
10161-08	Modifies the General Electricity Services Law to introduce mechanisms for fairness in electricity rates.	Not Urgent	First constitutional procedure (the Senate). First report of Committee of Mining and Energy	01.07.2015	Link
10240-08	Establishes new systems of power transmission and make an independent controller organism for the national electricity system.	Not Urgent	First constitutional procedure (Chamber of Deputies) Account project. Passes to Mining and Energy Commission and Finance Committee.	07.08.2015	Link

2 Sectorial Regulations Published in the Official Bulletin

Monday, August 3, 2015, saw the publication of the Ministry of Energy Decree No. 20 of March 2, 2015, approving rules which sets the procedure for the determination of others non-conventional renewable energy sources established at No. 7) literal aa) Article 255° of the General Law of Electrical Services. [Link](#)

On Tuesday, August 4, 2015, saw the publication of Ministry of Energy Decree No. 15T of May 19, 2015, which sets average node prices in the Central Interconnected System and the Big North Interconnected System, on the occasion of fixings prices listed in the article No. 158 of the General Law of Electrical Services. [Link](#)

Wednesday, August 5, 2015, saw the publication of Ministry of Energy Decree No. 1T of February 19, 2015, which sets prices for the generation and transmission of electrical medium systems of *Punta Arenas*, *Puerto Natales*, *Porvenir* y *Puerto Williams*, and establishes the expansion plans for above mentioned systems. [Link](#)

On Wednesday, August 5, 2015, saw the publication of Ministry of Energy Decree No. 4T of February 27, 2015, which sets prices for the generation and transmission of the medium electrical system of *Hornopirén* and establishes their expansion plan. [Link](#)

On Wednesday, August 5, 2015, saw the publication of Ministry of Energy Decree No. 5T of February 27, 2015, which sets prices for generation and transmission of the medium electrical system of *Cochamó* and establishes their expansion plan. [Link](#)

Wednesday, August 5, 2015, saw the publication of Ministry of Energy Decree No. 6T of February 27, 2015, which sets prices for generation and transmission of the medium electrical systems of *Aysén*, *Palena* y *General Carrera*, and establishes the expansion plans for above mentioned systems. [Link](#)

Tuesday, August 18, 2015, saw the publication of Ministry of Energy Decree No. 53 of May 29, 2015, granting to *Empresa Eléctrica de la Frontera SA* the definitive concession of the public service of electricity distribution in the region of *La Araucanía*. [Link](#)



2 Sectorial Regulations Published in the Official Bulletin

Wednesday, August 19, 2015, saw the publication of Ministry of Energy Decree No. 381 of August 7, 2015, which changes the ownership of the company awarded the rights to exploit and execution of new works called: "Autotransformer Bank S/E Nueva Cardones, 500/220 KV, 750 MVA", "Autotransformer Bank S/E Nueva Maitencillo, 500/220 KV, 750 MVA" and "Autotransformer Bank S/E Nueva Pan de Azúcar, 500/220 KV, 750 MVA", in the Trunk Transmission System of the Central Interconnected System. [Link](#)

On Thursday, August 20, 2015, saw the publication of Ministry of Energy Decree No. 76 of July 20, 2015, granting to *AM Solar Tata Inti SpA* the definitive concession for establish in *Tarapacá* Region, *Tamarugal* Province, *Pozo Almonte* Commune, the transmission line 1x110 KV S/E *Tata Inti - S/E Pozo Almonte*. [Link](#)

Friday, August 21, 2015, saw the publication of Ministry of Energy Decree No. 73 of July 10, 2015, granting to *Río Seco S.A* the definitive concession for establish the transmission line called: "Power Transmission Line 2x220 KV CT *Pacífico-S/E Lagunas*" in *Tarapacá* Region, *Iquique* and *Tamarugal* Provinces, *Iquique* and *Pozo Almonte* Communes. [Link](#)

On Friday, August 28, 2015, saw the publication of Ministry of Energy Decree No. 33 of August 20, 2015, which resolve the request for invalidation of the Supreme Decree No. 14 of February 14, 2012, of the Ministry of Energy, which sets the rates for sub transmission and the additional transmission and their indexation formulas. [Link](#)

3 Sectorial Regulations Not Published in the Official Bulletin

During the period there weren't Sectorial Regulations Not Published in the Official Bulletin.

4 Expert Panel Rulings

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

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