

Preliminary Transmission System Projects

Comisión Nacional de Energía



Preliminary Plan

<i>Transmission Projects on the system</i>	<i>Quantity.</i>	<i>Referential Investment US\$ (Millions)</i>
Substation projects upgrades	69	257
Construction of new Power Substations	16	180
Power lines upgrades	3	8
Construction new Power Lines	6	54
Main Transmission Projects	4	624
<i>TOTAL</i>	98	1,123

Transmission System Projects

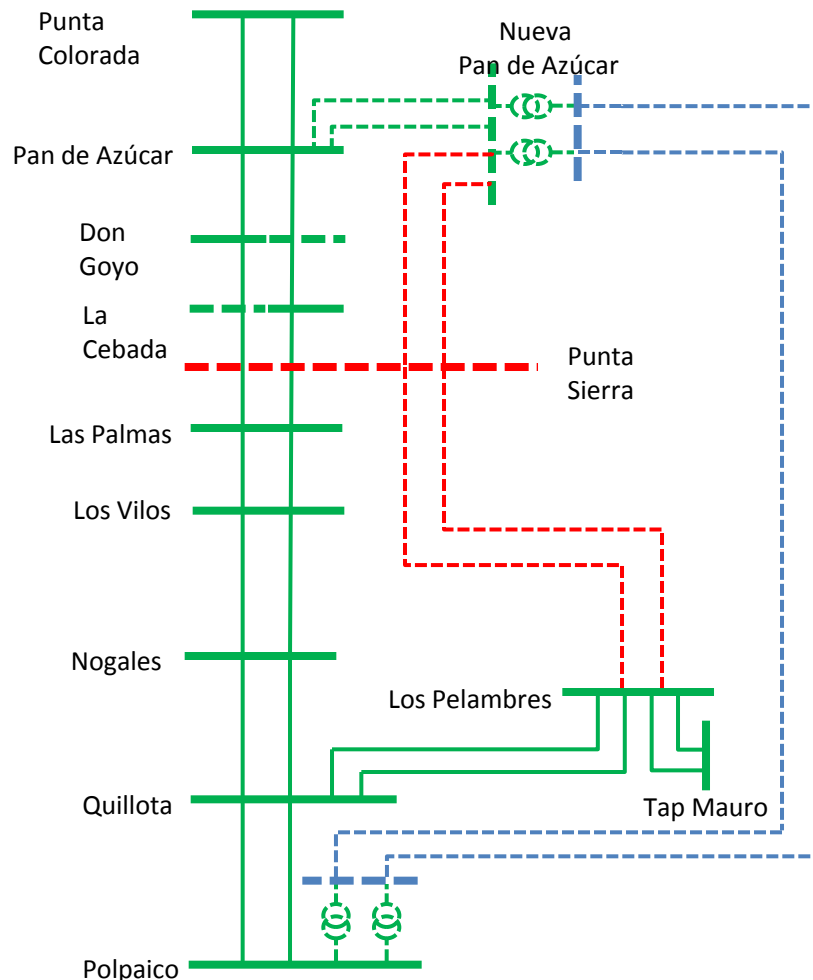


Main Transmission Projects.

<i>New Transmission Line Systems</i>	<i>Lenght (km/miles)</i>	<i>Referential Investment US\$ (Millions)</i>
New Power Line 2x220 kV between Nueva Pan de Azúcar – Punta Sierra – Los Pelambres Substations.	292/181	125
New Power Line 2x220 kV between Nueva Alto Melipilla – Casablanca – La Polvora - Agua Santa Substations	95/59	67
New Power Line 2x220 between Itahue – Mataquito – Nueva Nirivilo – Nueva Cauquenes – Dichato – Hualqui substations	300/186	324
New Power Line 2x500 kV between Nueva Puerto Montt – Ancud, New Canal Chacao Crossing 2x500 kV, 2 km lenght (first phase operated in 220 kV)	133/83	108
TOTAL	820/509	624

Transmission System Projects

New Power Line 2x220 kV between Nueva Pan de Azúcar – Punta Sierra – Los Pelambres Substations.

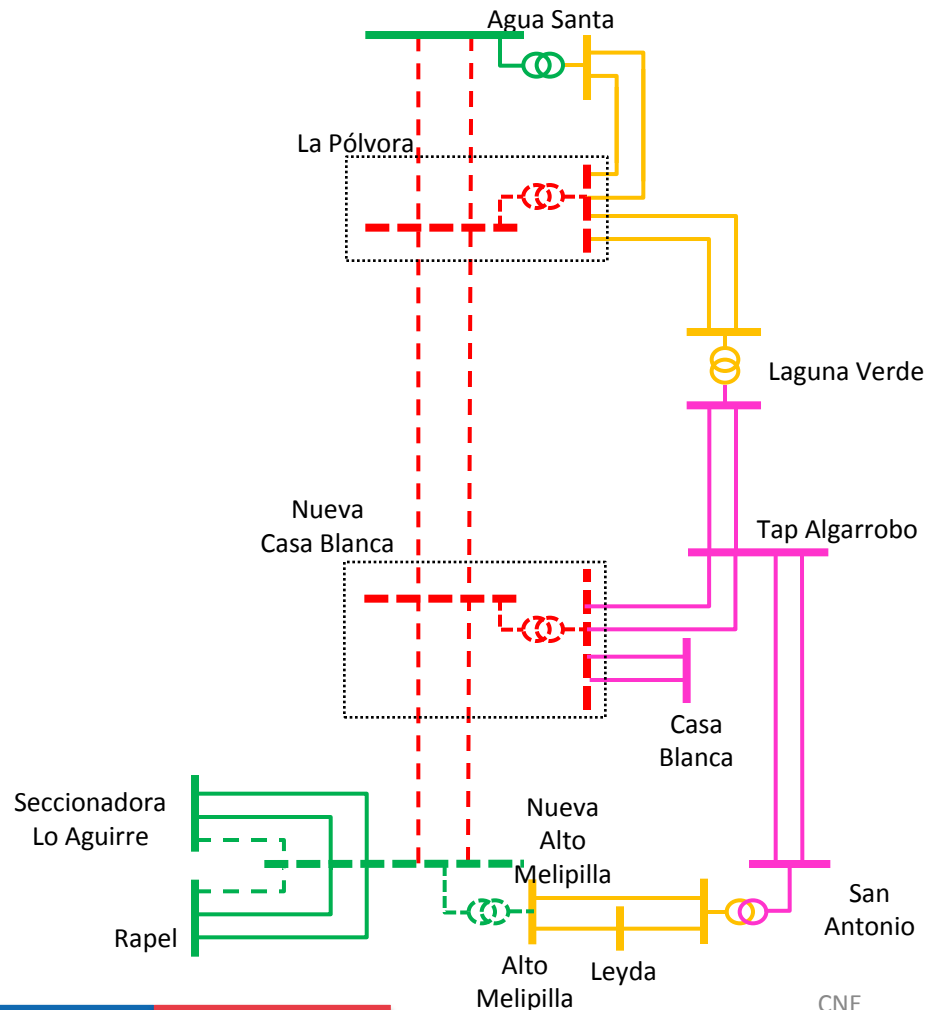


- New Transmission System located in north of Chile.
- Part of the project location is in the Andes mountains.
- The project provides more transmission for the existing and new renewable generation, among other benefits

— Main Transmission System 220 kV
- - - New Projects
- - - On Going Projects Transmission System 500 kV
- - - On Going Projects Transmission System 220 kV

Transmission System Projects

New Power Line 2x220 kV between Nueva Alto Melipilla – Casablanca – La Polvora - Agua Santa Substations

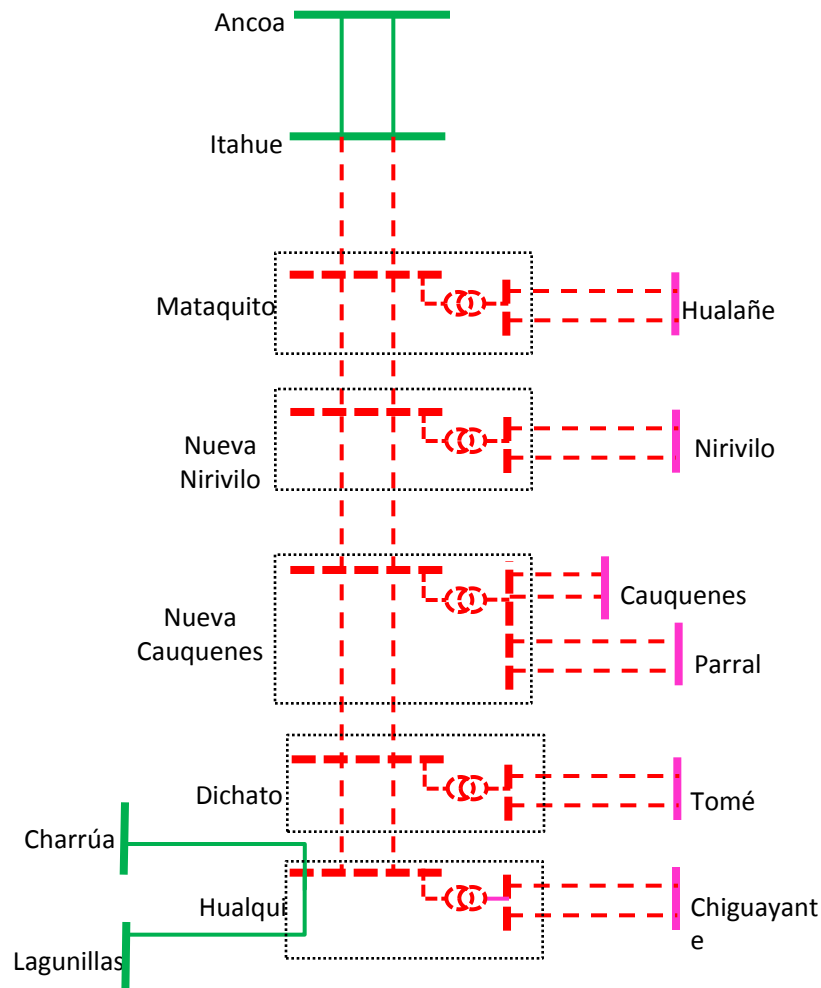


- New Transmission System located in central zone of Chile.
- Project will provide secure and robust supply to the coastal cities in that region

- Main Transmission System 220 kV
- Main Transmission System 110 kV
- Main Transmission System 66 kV
- - - New Projects
- - - On Going Projects Transmission System 220 kV

Transmission System Projects

New Power Line 2x220 between Itahue – Mataquito – Nueva Nirivilo – Nueva Cauquenes – Dichato – Hualqui substations

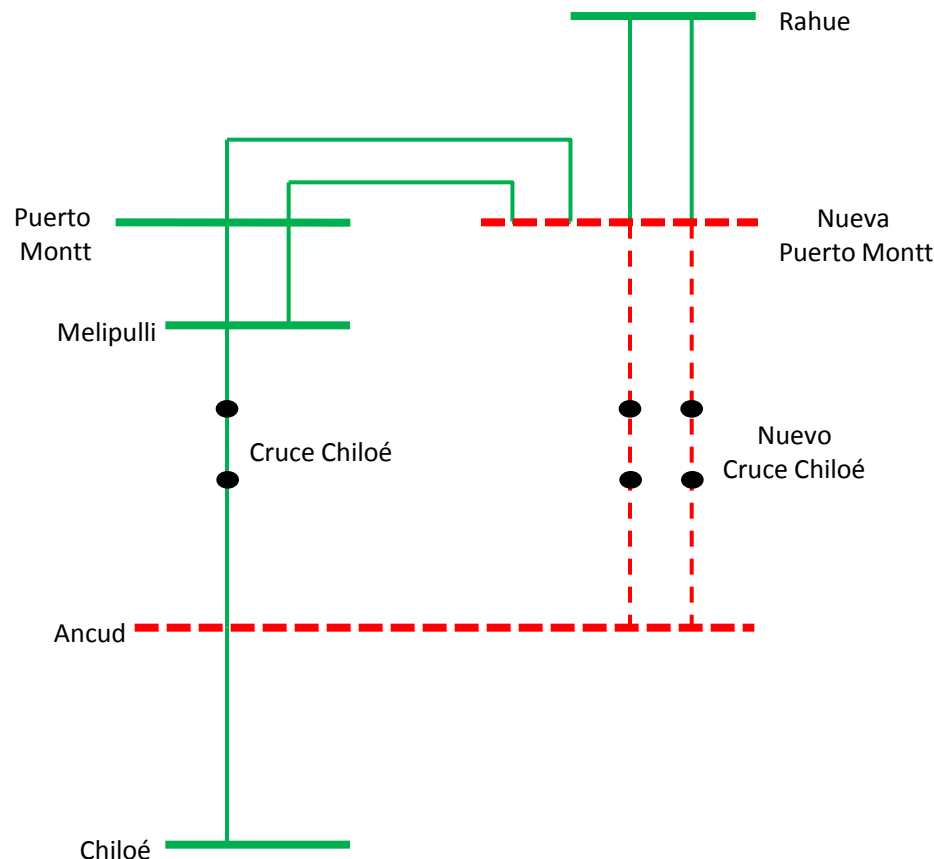


- New Transmission System Line located in central-south of Chile.
- The project include construction of power substations and other power lines necessities to connect the project with the local system.
- Project will provide secure and robust supply to the towns in that zone

— Main Transmission System 220 kV
— Main Transmission System 66kV
- - - New Projects

Transmission System Projects

New Power Line 2x500 kV between Nueva Puerto Montt – Ancud, New Canal Chacao Crossing 2x500 kV, 2 km length (first phase operated in 220 kV)



- New Transmission System located in the south of Chile.
- The project include the construction over the *Canal de Chacao* (sea crossing) of a 2x500 kV line.
- The Project also includes a new Power Substation called *Ancud*.
- The project provides secure and robust supply for *Chiloé* island.

— Main Transmission System 220 kV
- - - New Projects



THANKS

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