

## LOS CRISTALES: GEOTHERMAL EARLY STAGE ASSETS

- ✔ **68,000 hectares - Maule Region, central Chile**
- ✔ **400 km south of Santiago**
- ✔ **Region of hot springs, volcanic and volcanoclastic rocks**

Los Cristales Property is a 68,000 hectare granted geothermal concession located in the Maule Region, 400 km to the south of Santiago, the Chilean capital, and 120 km southeast of the city of Talca, the biggest city of the Maule Region with an estimated population of 200,000. Agriculture, livestock, and production of oil, flour and sugar are the main economic activities in the Maule Region.

Los Cristales Property is located in the Andean Cordillera of Central Chile, immediately to the south of the Pellado Exploration Concession granted to Magma Energy Chile in January 2010. The area is characterized by a steep topography and altitudes of 2500 masl average. The geology of the Los Cristales concession includes volcanic and volcanoclastic rocks of Miocene to Pliocene age. Younger volcanic sequences from the Tatara-San Pedro-Pellado Volcanic Complex (925 ka to Late Holocene) are immediately to the north of Los Cristales, inside the Pellado Property. Geothermal manifestations at Los Cristales are the hot spring Guaquivilo (75°C) and Socorro (37°C).

Thirteen power plants (both hydroelectric and thermoelectric) exist in the Maule Region, which together have a production capacity of approximately 4952 GWh, which ranks among the top two national electricity generators. Los Cristales concession is located 50 km to the southeast of Pehuenche hydroelectric power plant with a transmission line of 220 kV. The concession has good access by an international paved road and other secondary roads. Horses are also currently used for transportation in the mountain area.

