Energy generated from hydroelectric dams between the months of January and March



The energy from hydroelectric dams power plants has increased by 70% during 2024 compared to the average of the last 3 years

A significant portion of this increase is concentrated during nighttime hours*, where the increase has been 74%, while during daytime hours the increase has been 63%

*Day is considered solar hours, the period between 08:00 and 19:00 hrs, Night corresponds to the rest of the day.

Authors: Market Monitoring and Regulation Unit, Electric Markets Division. Ministry of Energy, Government of Chile

Evolution of average costs according to withdrawn energy



The total average cost* of each unit of energy withdrawn from the system has decreased by 47% between March 2022 and March 2024, equivalent to 56 USD/MWh

The spot market has seen a 56% reduction in the cost of withdrawn energy over the last 24 months.

Meanwhile, the average unit price of side energy payments has increased by 7 USD/MWh between March 2022 and March 2024, currently representing 21% of the total average cost of withdrawn energy from the system

*Average total cost = average cost of spot energy withdrawals + average cost of side energy payments. **Side energy payments: includes stabilized price, ancillary services, and systemic costs.

 Authors: Market Monitoring and Regulation Unit, Electric Markets Division.

 Ministry of Energy, Government of Chile

System Marginal Cost (CMg) Trend

The average Marginal Cost during the month of February at the Crucero 220 kV, Quillota 220 kV, and Puerto Montt 220 kV substations is presented in the following summary:



*Day is considered solar hours, the period between 08:00 and 19:00 hrs, Night corresponds to the rest of the day.

Authors: Market Monitoring and Regulation Unit, Electric Markets Division. Ministry of Energy, Government of Chile

System Marginal Cost (CMg) Trend

The average marginal cost during the day and night was 12.84 USD/MWh and 87.95 USD/MWh respectively.

The average monthly CMg decreased by 53% compared to the same month of the previous year and decreased by 6% compared to february 2024.

The average marginal cost during the day and night was 13.78 USD/MWh and 82.33 USD/MWh respectively.

The average monthly CMg decreased by 63% compared to the same month of the previous year and decreased by 8% compared to february 2024.

Quillota 220 kV

Puerto Montt 220 kV

Crucero

220 kV

The average marginal cost during the day and night was 47.89 USD/MWh and 72.97 USD/MWh respectively.

The average monthly CMg decreased by 71% compared to the same month of the previous year and decreased by 42% compared to february 2024.

Authors: Market Monitoring and Regulation Unit, Electric Markets Division. Ministry of Energy, Government of Chile