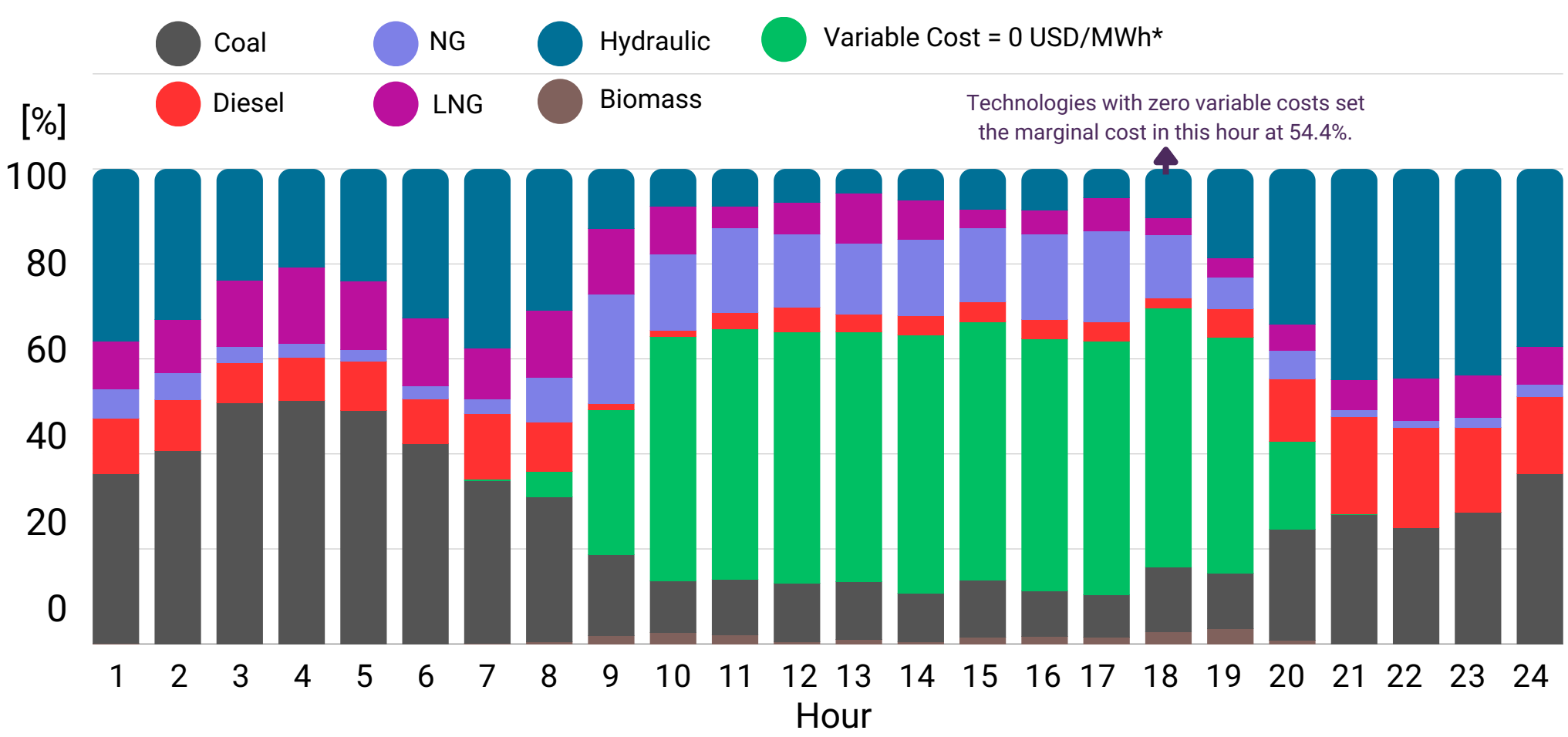
Between January and October 2023, the technology that determined the marginal cost of Quillota 220 [kV] for the majority of hours was coal, accounting for 25.2%

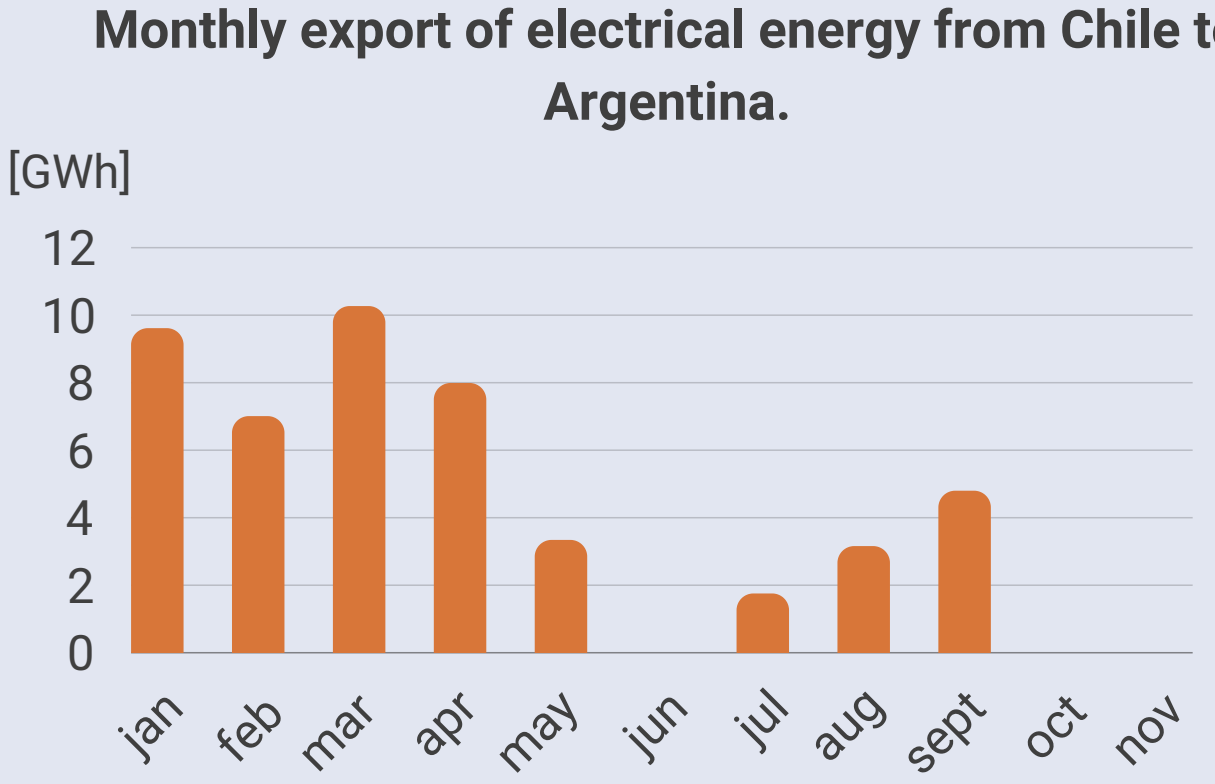
Similarly, technologies with zero variable costs determined the marginal cost in the respective node for 24.3% of the hours, followed by hydraulic technology, which recorded a 22.3%.

Percentage of hours in which each technology sets the marginal cost*

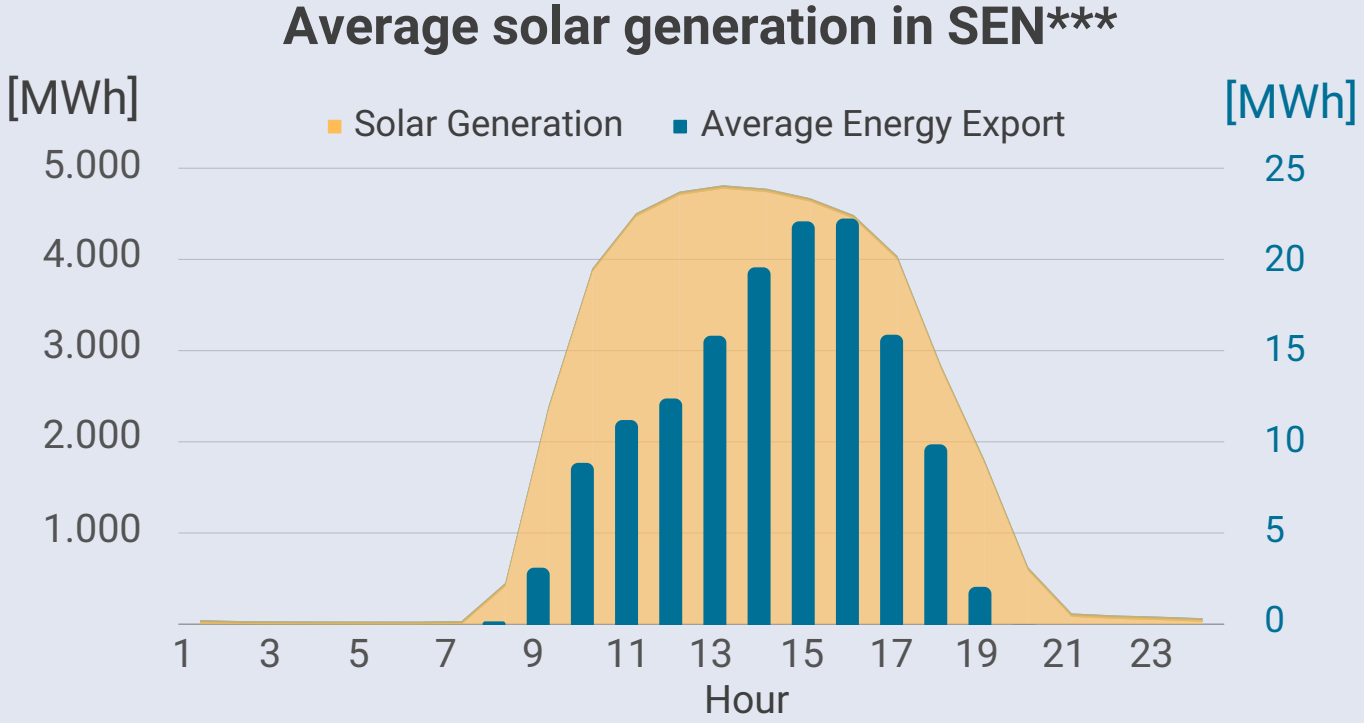


*This auxiliary category is created given that, in the condition where Variable Cost = 0, the marginal technology can be solar, wind, or inflexible LNG."

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



During the period from January to November 2023, Chile has exported energy to Argentina for a total of 132 days, amounting to 47.9 [GWh] of exported energy



Furthermore, during this period, energy exportation was concentrated at 98.5% during solar hours*, this contributing to a 3.7% reduction in solar energy curtailment registered to date**.

*Sunlight hours are considered to be the period between 08:00 and 18:59 hrs, while non-sunlight hours encompass the rest of the day.
** The reductions in solar energy are considered in the SEN reports issued by the CEN during January and October..
***The generation data is considered from january to november

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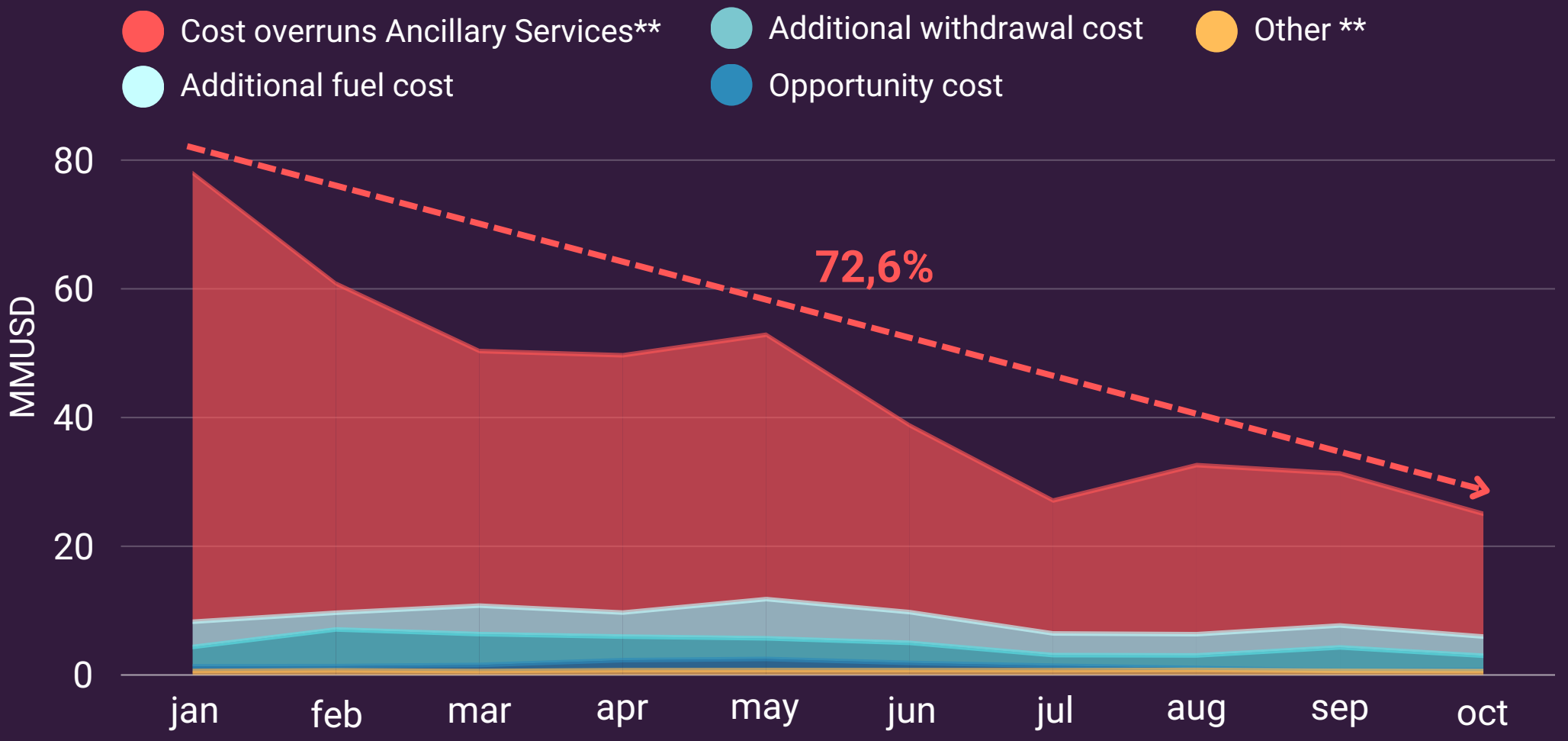
During January to October 2023, transactions in the SSCC market were valued at a total of 446.5 million USD

Moreover, during this period, the surcharges associated with Ancillary Services in the National Electric System (SEN) experienced a decrease of 72.6%, contrasting with the sustained increase recorded during the year 2022.

Size of the Ancillary Services Market*



* Infrastructure-associated costs are not included.

** Cost incurred in facilities awarded for the provision of a Ancillary Services when the marginal cost does not cover its variable cost.

**Groups together the cost of ERNC opportunity, primary, secondary, and tertiary frequency control, and additional energy withdrawal cost

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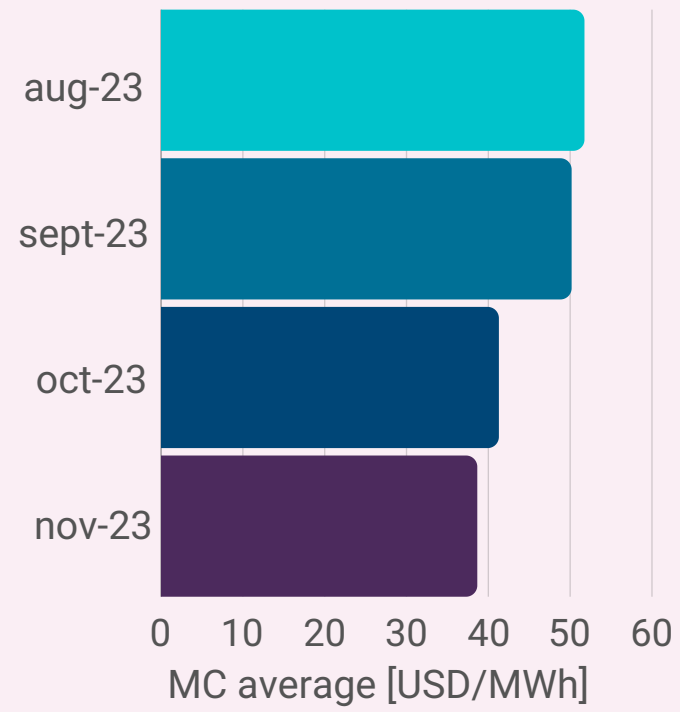
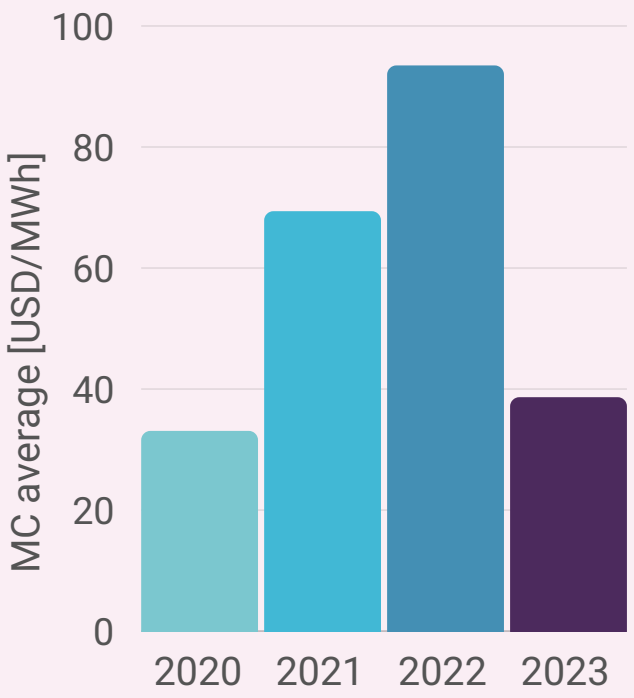
Trends in Marginal Cost (MC) of the system

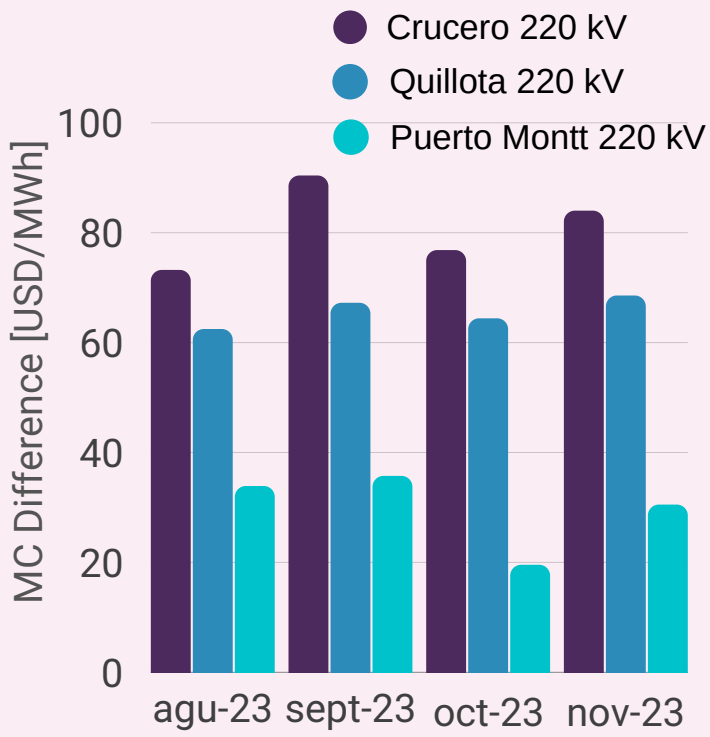
Quillota 220 kV in recent months



Quillota 220 kV in november of the last few years



Difference* of MC in nonsolar hours and in solar hours**



The average marginal cost in November 2023 for the Quillota 220 kV bus was 38.7 [USD/MWh], lower than the observed value in October 2023 of 41.3 [USD/MWh] and also lower than the 93.5 [USD/MWh] in November 2022. Considering the reference buses of the system, the largest difference between the average marginal costs during non-solar and solar hours** in November was 84 [USD/MWh] at the Crucero 220 kV bus.".

*Consider the difference between the monthly average marginal costs during non-solar and solar hours.

**Solar hours are defined as the period between 08:00 and 18:59 hrs, while non-solar hours encompass the remainder of the day.

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