

The information contained in this report is preliminary and subject to change without notice. Any questions regarding this report should be directed to CAISO [MarketAnalysis@caiso.com](mailto:MarketAnalysis@caiso.com)

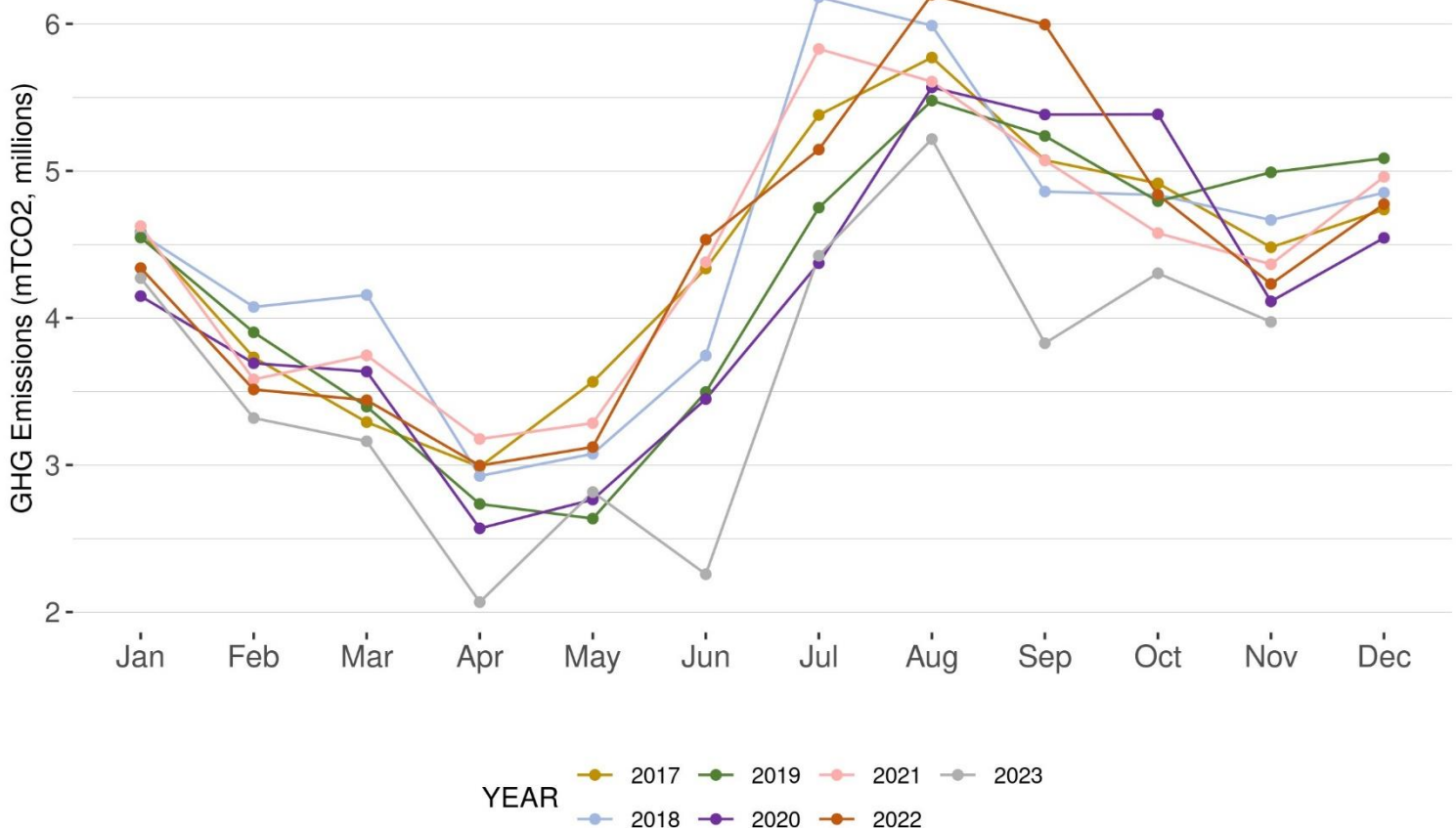
This report depicts greenhouse gas (GHG) emissions for the California Independent System Operator’s (ISO) balancing authority area as a direct result of the dispatch of ISO internal resources and imports, including dynamic resources, serving ISO load.

The report reflects total GHG emissions to serve ISO loads.

FIGURE 1 and 2 – Total GHG emissions to serve ISO load. This figure reflects the sum of GHG emissions from internal ISO dispatches and GHG emissions from imports serving ISO load through November 30, 2023.

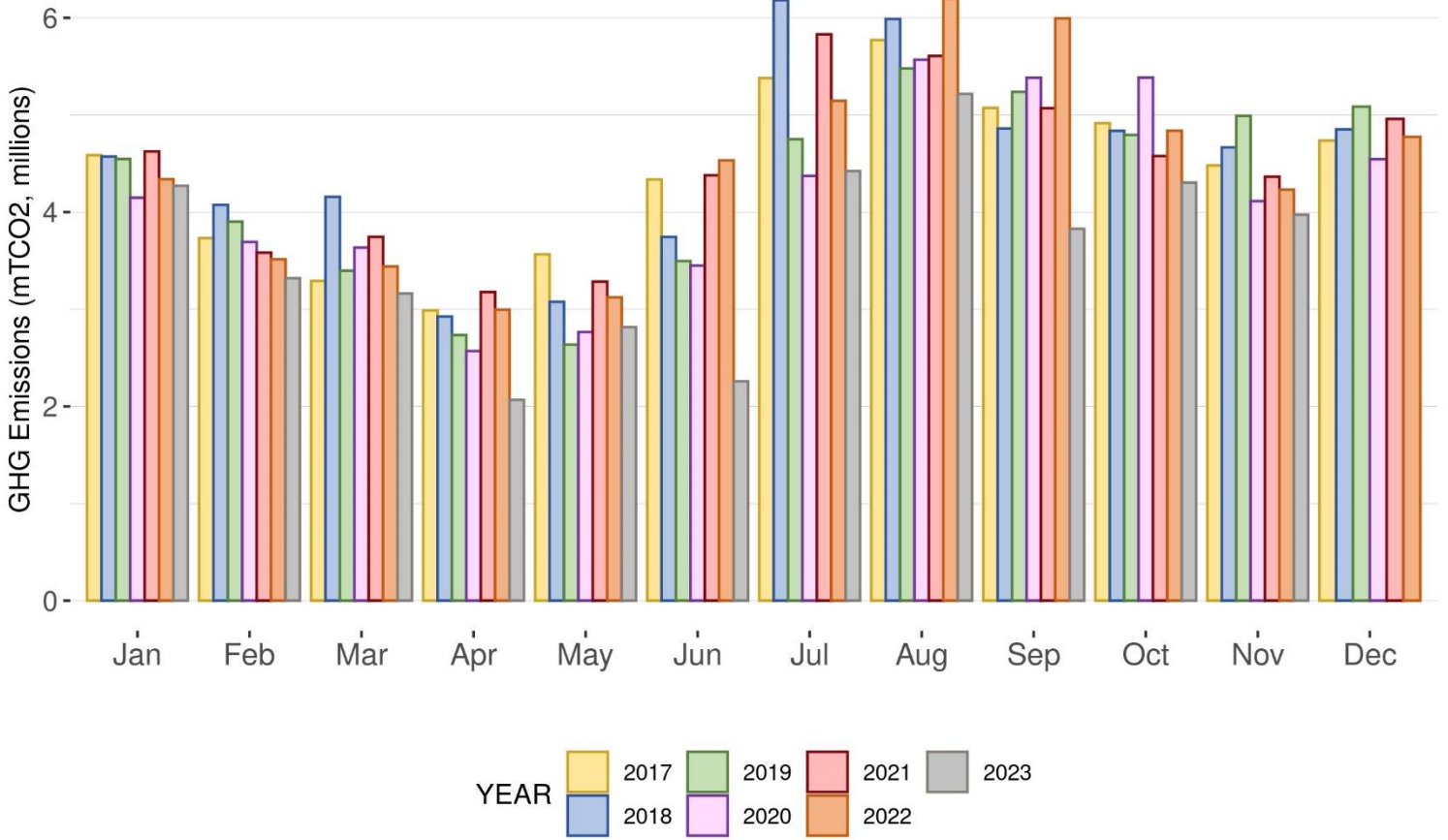
YTD (Jan - Nov) million mTCO2	2017	2018	2019	2020	2021	2022	2023
GHG Emission to serve ISO load	48.12	49.08	45.96	45.08	48.24	48.35	39.64

Figure 1 Total GHG emissions to serve ISO load



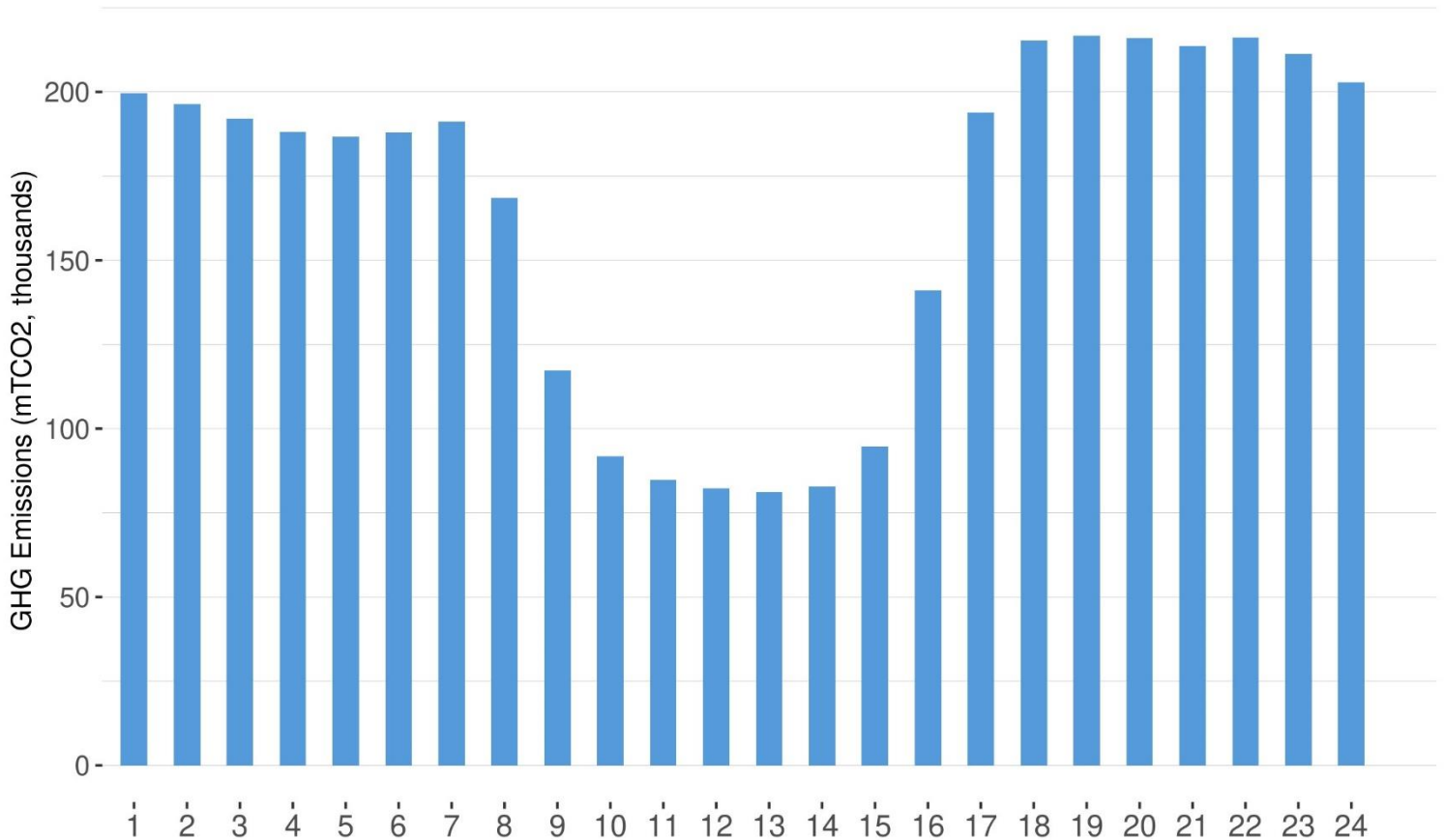
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Figure 2 Total GHG emissions to serve ISO load



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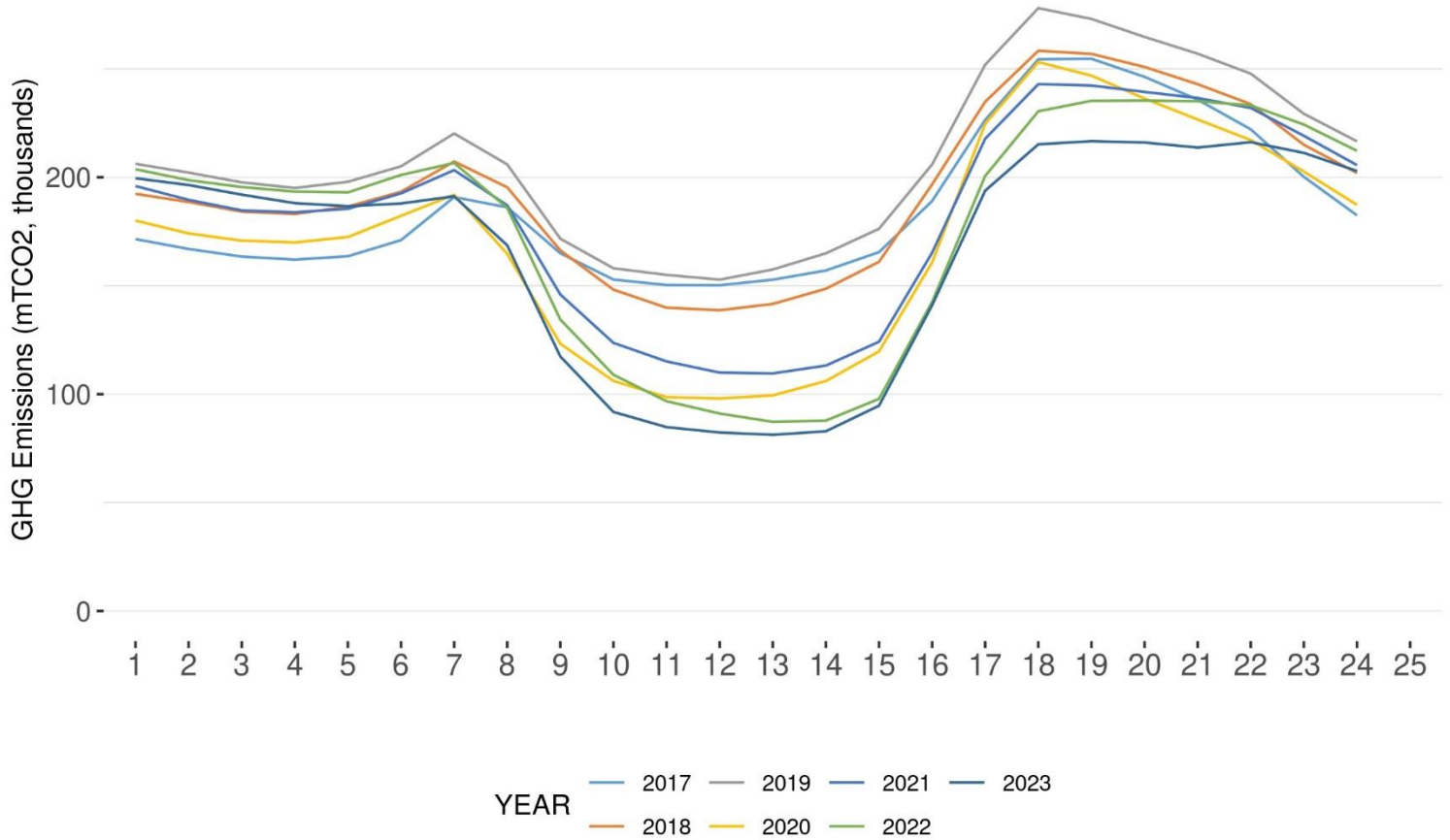
*Figure 3 Hourly GHG emissions to serve ISO load for the month of November 2023*



The above figure reflects the hourly sum of GHG emissions from internal ISO dispatches and GHG emissions from imports serving ISO load for the month of November 2023.

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*Figure 4 Comparison of hourly GHG emissions to serve ISO for the month of November*



The above figure reflects the hourly sum of GHG emissions from internal ISO dispatches and GHG emissions from imports serving ISO load for the month of November across the years from 2017 - 2023.