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報告タイトル：Impact of Changes in Electricity Price on the Competitiveness of Electricity-Intensive Manufacturing Industry

報告要旨：In the aftermath of the Great East Japan Earthquake in March 2011, there has been a gradual rise in electricity prices in Japan. This has given rise to an argument whether it undermines the competitiveness of Japanese industries. To assess this claim, this study undertakes an empirical analysis of the impact of electricity prices on the competitiveness of Japanese industries using panel data from 2003 to 2021. Given the high electricity consumption in the manufacturing sector, this study focuses on estimating the effects on competitiveness within this sector. The analysis is based on industry-level data and uses two datasets: one at the prefectural level and the other at the national level. Competitiveness is measured using shipment value, employment, export value, and net import value. This study estimates the impact of electricity prices on these indicators in Japan's manufacturing industry. Furthermore, the analysis examines electricity prices and the electricity intensity of each industry, estimating how rising electricity prices affect industries with high electricity intensity.