

## CARBON FOOTPRINT ANALYSIS OF WICHITA STATE UNIVERSITY'S ELECTRICITY USAGE

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**Abstract:** This research's main intent is to update the carbon footprint in respect to scope 2 emissions of Wichita State University from a previous study in 2019. All data was collected by the team as a part of the First Year Research Experience program. The data that will be collected and used in this study will be gathered from the Wichita State's electricity bills, natural gas bills, and a survey of student, faculty, and staff commuting and parking. This data will then be converted into kg CO<sub>2</sub>. This data was then categorized and ordered into the largest emission sources to the least. Analysis of the collected data will provide us an opportunity to suggest changes that Wichita State could make to approach a carbon neutral footprint more quickly. Additionally, this study should be used for future revisions of Wichita State's carbon footprint as was the intention of the previous study as well.

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