

Summary of Potential of artificial intelligence in reducing energy and carbon emissions of commercial buildings at scale

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Scenario	Energy Use (kWh/m ²)	CO ₂ Emissions (kg/m ²)
Baseline	200	50
AI Optimized	150	30

REFERENCES

[1] C. Ding, J. Ke, M. Levine, and N. Zhou, "Potential of artificial intelligence in reducing energy and carbon emissions of commercial buildings at scale," *Nature Communications*, vol. 15, no. 1, p. 5916, Jul. 2024.

INTRODUCTION

Summary by Ray Marange
This paper [1] ...

AI'S IMPACT ON ENERGY AND EMISSION REDUCTIONS
Summary by Dwayne Mark Acosta
Talking about a cool figure 1. What a cool figure it is!

APPENDIX

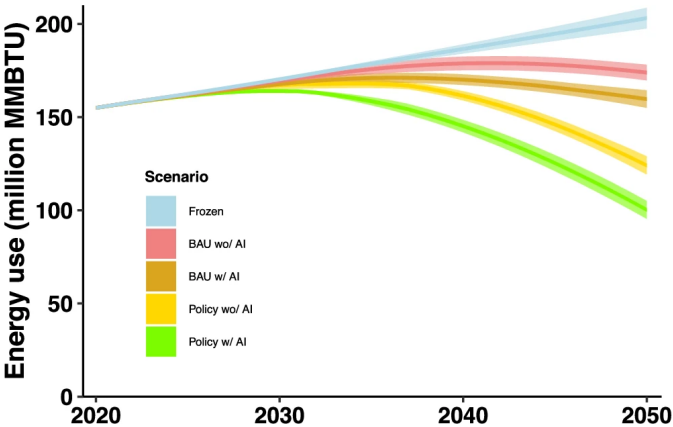


Fig. 1. Different energy use scenarios.

AI'S REDUCES EMISSIONS OF BUILDINGS

Summary by David Franz
Need to add a table as its better than lots of words.
Table shows the energy use and CO₂ emissions for different scenarios.

DISCUSSION

Summary by Mohamed Amine Benaziza

METHODS

Summary by James Thompson