

Optimal Sizing of a Nuclear Reactor for Embedded Grid Systems

Preliminary Work

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ILLINOIS



Outline

1 Motivation

Illinois Climate Action Plan (iCAP)

2 Methods

RAVEN

TEMOA

3 Results

4 Conclusion



iCAP Goal and Obstacles

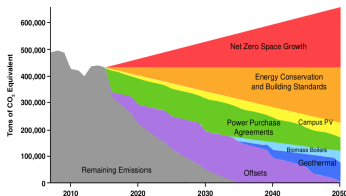


Figure: Shows projected CO₂ emissions for UIUC [1]. Offsets include shutdown of the Blue Waters Supercomputer.

Goal:

Carbon neutrality by 2050 or sooner.

Obstacles:

- ① Requires *zero net space growth*.
- ② Campus depends on a system of steam tunnels for heating.
- ③ and more...



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Blue and Orange are Fierce

Those are the Illini Colors. Use them like you see them in Figure 2.



Figure: Kristofer Hivju is pretty serious about this color palette [?].

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Conclusion

We showed many things.

- Cats are peculiar
- Blue and Orange are fierce colors
- Math can be rendered nicely
- Cite your sources

Acknowledgement

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If you are funded by an NEUP grant, that number usually goes here. .

References I

[1] iSEE.

Illinois climate action plan (iCAP).