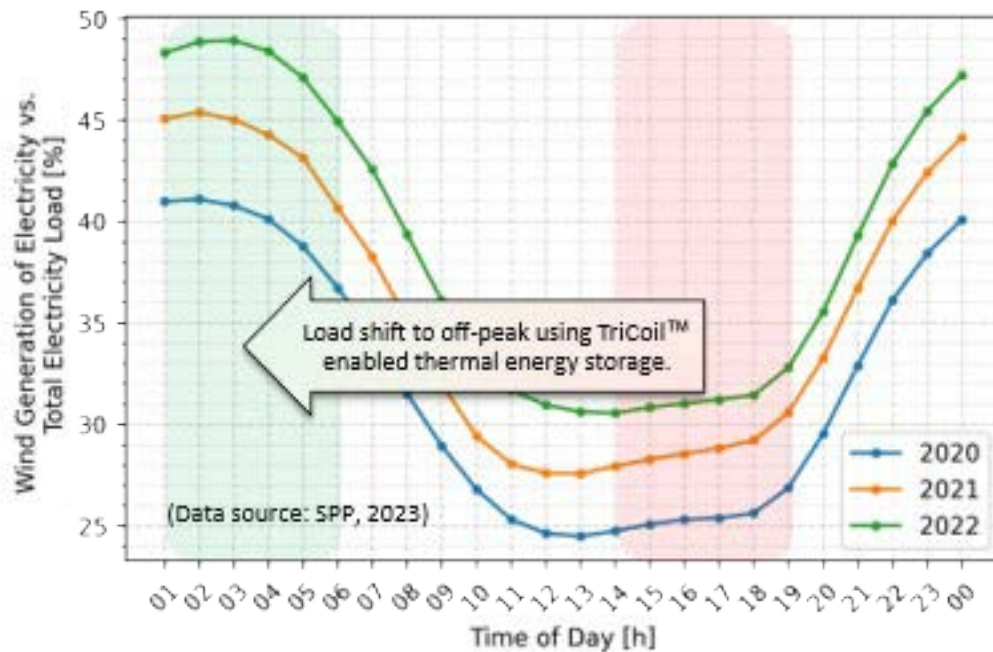

Enabling Thermal Energy Storage to Accommodate Oklahoma Wind Energy- TriCoil as Cost Effective Means for Residential System Integration

Project Number OCAST ARO37-22



PROJECT TEAM:

Student: Khaled I. Alghamdi;

Faculty: Christian K. Bach, Jeffrey D. Spitler

Goal

This project will evaluate a novel three-fluid fin-and-tube heat exchanger (TriCoil™) for cost effective integration of thermal energy storage with conventional air conditioning or heat pump systems

Outcomes/Deliverables

This project will evaluate technical feasibility through a prototype system, and economic viability through in-depth coupled building and thermal storage simulation study