

A
missionGeo
CASE STUDY

CKenergy

Powering Rural Innovation
Through Geothermal Heat

**“I did the math and realized,
if we deploy geothermal in
thousands of locations, our
system load factor will improve
dramatically. And that’s a
financial gain for everyone.”**



Boyd Lee
Owner, Outside the Box GEO
Former Dir. Strategic Planning, CKenergy

It started with a simple idea — and the courage to think differently.

When CKenergy Electric Cooperative launched its geothermal heat pump program in rural Oklahoma, there wasn't a playbook to follow. But there was a vision: make clean energy accessible, lower costs for members, and strengthen the cooperative's future.

CKenergy has taken a unique approach: The cooperative pays for and initially owns the geothermal ground loops, making adoption easier and more affordable for its members.

The results?

1650

members now using
geothermal (9% of base)

\$800k

in annual margin,
projected \$24M over
30 years

3.9MW

demand reduction
improves system reliability

\$11.4M

invested in loops across
new builds and retrofits

**... and
members on
geothermal
rates pay a
full 10% less.**

That's in addition to their savings from the incredibly efficient geothermal heat pumps – AND they have no gas bill.