



# COMMERCIAL & INDUSTRIAL SOLUTIONS PROGRAM

## CASE STUDY: FLEX-N-GATE



### The situation

Since 1956, American auto parts manufacturer Flex-N-Gate has grown into a global success story with 69 integrated manufacturing facilities across three continents. Long known for quality and innovation, the company has committed itself to continual improvement of its environmental management system. Ongoing improvements include reducing waste and pollution, limiting emissions and adopting sustainable operating procedures.

This commitment to environmental responsibility led Flex-N-Gate to partner with CenterPoint Energy's Commercial & Industrial Solutions Program. The program team recently helped retrofit the waste heat recovery system at Flex-N-Gate's Oklahoma manufacturing facility.

### The project

Program engineers worked with the facility operations team to retrofit ductwork onto four of their compressors. The new ductwork recovers exhaust heat from the compressors and redirects it throughout the facility for extra comfort heating in winter. During warmer months, the exhaust heat is diverted outdoors to help keep the facility cool.

Instead of letting all the compressor heat exhaust go to waste, now the facility can repurpose it to help employees stay comfortable and save energy year round.

### The results

A \$25,130 incentive from CenterPoint Energy covered 100% of the project costs, resulting in an immediate payback for Flex-N-Gate. The upgrades will reduce the facility's annual natural gas use by an estimated 40,556 therms—equivalent to preventing CO<sub>2</sub> emissions from 24,146 gallons of gasoline every year.

Thanks to the upgrades, the facility is estimated to save \$20,524 in annual energy costs. Using the average industry profit margin of 13.69%, Flex-N-Gate would have to generate \$149,920 in sales to have the same impact on their bottom line.

See what we can do for your business at [CenterPointEnergy.com/OKCustomSolutions](https://www.CenterPointEnergy.com/OKCustomSolutions).

### PROJECT AT A GLANCE

**\$25,130**

Incentive paid

**\$20,524**

Estimated annual cost savings

**40,556**

Estimated annual therm savings

**100%**

Project costs covered