

DENSO saves over \$11,900 per year with a TVA EnergyRight® custom compressed air upgrade.

DENSO's North America Production Innovation Center utilizes high-tech manufacturing equipment to produce automotive components and mobility technology. With support from TVA Energy Right® for Business and Industry, DENSO replaced inefficient compressors with new models, seeing payback in less than a year.

INCENTIVE AMOUNT:
\$19,480

1-YEAR COST SAVINGS:
\$11,902

ANNUAL ENERGY SAVINGS:
194,800 kWh

PROJECT COST:
\$30,261

PAYBACK PERIOD:
~11 MONTHS

10-YEAR ANTICIPATED ROI:
1,004%

THE CHALLENGE

The building's air compressors lacked variable speed drives (VSDs), causing them to run above the target output. This wasted energy and reduced efficiency.

THE SOLUTION

In partnership with Maryville Electric Department, DENSO replaced its old compressors with new ones that have variable speed drives (VSD), letting the compressors adjust output to match real-time demand. A \$19,480 incentive from TVA EnergyRight helped make the upgrade possible.

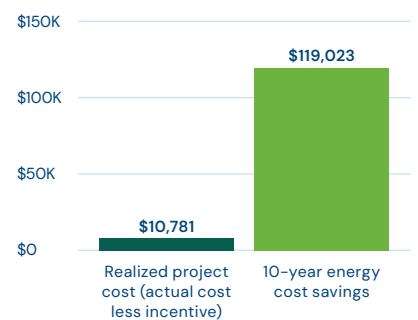
THE IMPACT

The optimization reduced the building's annual energy use by 194,800 kWh, enough to power more than 19 homes for a year. Because of the upgrade, DENSO also moves closer to its corporate-wide sustainability initiative to become carbon neutral by 2035.

PROJECT PAYBACK PERIOD:

64% faster
with the incentive.

ONE-TIME INVESTMENT. BIG RETURNS.



See how TVA EnergyRight incentives can help power your next efficiency upgrade.



To connect with a TVA Energy Expert, submit the form at EnergyRight.com/business-industry/energy-expert.



Explore more energy management solutions at EnergyRight.com/business-industry.