

# Compressed Air Energy-Savings

NIPSCO ENERGY EFFICIENCY PROGRAMS FOR BUSINESSES



LEARN MORE


**Consider this:** Compressed air is often the most expensive service in a manufacturing facility. **Why?** Because it's not just air—it's air that must go through an energy-intensive process to make it useful.


Compressed air systems are vital for many industrial processes, even though over 80% of its input energy is lost as heat. Optimizing usage and reducing air demand can save 20-50% or more on electricity.<sup>1</sup>


Effective management of compressed air assets conserves energy, reduces inefficiencies, extends equipment life, boosts uptime and ensures product quality. Using LESS compressed air for the same tasks improves efficiency.<sup>1</sup>


**Check with your TRC\* Field Engineer to identify available incentives through the NIPSCO Energy Efficiency Programs, which are designed to help cut costs and enhance efficiency, benefiting your business.**

## Maximize Your Compressed Air Systems<sup>2</sup>

 Identify and repair compressed air leaks

 Install accumulation pressure tanks

 Maintain the compressors and the system

 Review system pressure requirements



## Local Manufacturing Facility Re-Thinks Compressed Air for More Efficient Operations

Through the NIPSCO Energy Efficiency Retro-Commissioning (RCx) Program, a local manufacturing facility asked, "Is there a better, more efficient way to remove debris before applying a finish?" The answer was a resounding "YES!" by replacing their compressed air blowers with four electric single-stage blowers. Each new blower features an air knife with 19 holes, each 3mm in diameter, blowing 100 psi to remove manufacturing debris.

This upgrade **earned \$6,304 in incentives** and is projected to **save \$64,316 in annual energy costs, that's \$321,581 over five years.** With a first-year **ROI of 9,181%** and a **payback period of just 0.01 years,**<sup>3</sup> this initiative showcases the significant benefits of NIPSCO's Energy Efficiency Programs.

**Saving 378,331 kWh, is equal to:**

 **62.9 vehicles** removed from the road

 **528.0 homes** powered for one month

 **102.3 tons** of landfill CO<sub>2</sub> emissions eliminated

## Get started saving!

Now that you know more about what to upgrade, visit [trcsavesenergy.com/TradeAlly/TradeAllySearch](https://trcsavesenergy.com/TradeAlly/TradeAllySearch) to find an experienced contractor or contact a TRC\* Field Engineer in your area by visiting [trcsavesenergy.com/Home/ContactUs](https://trcsavesenergy.com/Home/ContactUs) or calling TRC at **1-800-299-2501**.

<sup>1</sup> [betterbuildingssolutioncenter.energy.gov/better-plants/compressed-air](https://betterbuildingssolutioncenter.energy.gov/better-plants/compressed-air)

<sup>2</sup> [energystar.gov/buildings/resources\\_audience/small\\_biz/small\\_medium\\_manufacturers](https://energystar.gov/buildings/resources_audience/small_biz/small_medium_manufacturers)

<sup>3</sup> Simple payback of less than 12 months can be considered a retro-commissioning measure

\* NIPSCO's energy efficiency programs are administered by TRC, a third-party implementation specialist that helps homes and businesses save energy.