



TYPES OF RETRO-COMMISSIONING (RCx)

1. BUILDING OPTIMIZATION

Even the best systems require regular tuning and optimization. Our program combines the expertise of your staff and your chosen approved RCx provider to identify and implement the latest strategies to reduce energy costs and keep your systems running at peak performance. To be eligible, a system must have not reached the equipment's end of useful life.

Popular building optimization upgrades include:

- Rescheduling of air handlers
- Free cooling optimization
- Duct static pressure reset
- Chiller reset/setback
- Lighting controls optimization
- Adjust zone temperature(s) appropriately (setback/setup)
- Add or adjust supply air temperature set point strategy
- Reduce or eliminate simultaneous heating and cooling
- Reduce ventilation levels to improve indoor air quality

COMMON BENEFITS

- Reduced energy costs
- Improved tenant comfort
- Enhanced building performance
- Extend life expectancy of equipment

RETRO-COMMISSIONING (RCx) INCENTIVES

INCLUDED IN THE CUSTOM INCENTIVE PROGRAM*

Optimize Your Building's Systems and Save Energy

Retro-Commissioning is the systematic process by which building systems or industrial systems are optimized to meet existing operational needs. The RCx incentives, included in the Custom Incentive Program, are designed to help qualified NIPSCO Commercial & Industrial (C&I) customers evaluate the energy performance of their facilities and identify energy saving opportunities by optimizing their existing systems.

Begin by contacting an approved RCx provider to determine your energy efficiency opportunities. To find an approved RCx provider, contact TRC, the program implementer at **1-800-299-2501** or visit trcsavesenergy.com/TradeAlly/TradeAllySearch

2. COMPRESSED AIR OPTIMIZATION

Compressed air systems account for 10 percent of total industrial electricity consumption and are found in 70 percent of all manufacturing facilities in the United States, according to the U.S. Department of Energy. Retro-commissioning focuses on improving the efficiency of what is already in place by diagnosing, then installing improvements that produce electric and gas savings.

Popular compressed air optimization upgrades include:

- Leak repair
- Install no-loss drains replacing timer drains
- Engineering nozzles replacing open blowing
- Regulators and solenoid control
- Operating pressure reduction
- Flow controller repair/reset
- Repair/reset sequencer

COMMON BENEFITS

- Reduced energy costs
- Increased capacity
- Increased equipment reliability
- Improved productivity

3. REFRIGERATION OPTIMIZATION

According to the Environmental Protection Agency (EPA), commercial refrigeration systems are the biggest energy user and account for about 60 percent of energy costs for grocery and cold storage making it a good place to look for energy savings. To be eligible to receive RCx incentives, your system must have not reached the equipment's end of useful life.

Popular refrigeration optimization upgrades include:

- Floating-head pressure controls optimization
- Evaporator fan controls
- Condenser fan controls

COMMON BENEFITS

- Energy cost reduction without major capital expense
- Extend life expectancy of equipment
- Reduce unanticipated downtime



RCx STUDY INCENTIVE

Retro-commissioning custom electric projects that include an RCx study will be eligible for a separate RCx Study Incentive that will be paid to the approved RCx provider who completes the study.*

RCX STUDY INCENTIVES WILL BE:

- Awarded in addition to the custom incentive
- Capped at the RCx Study cost
- Eligible for only electric RCx measures
- Paid after the installation of RCx measures

*Approved RCx providers must be part of the TRC Trade Ally Network. To find an approved RCx provider, contact TRC at **1-800-299-2501** or visit trcsavesenergy.com/TradeAlly/TradeAllySearch

INCENTIVES

The Custom Program's RCx incentive rates per fuel are:

Fuel Type	RCx Incentive
RCx Study**	\$0.01/kWh
Electric (lighting)	\$0.09/kWh
Electric (non-lighting)	\$0.11/kWh
Natural Gas	\$1.00/therm

The Custom Program's RCx incentives are paid up to 75% of total installed cost (material and labor). The Custom Program's year incentive amount cap per project is \$500,000 per year per fuel and program absolute incentive amount cap per customer is \$1,000,000 per year per fuel. This amount can be made up of multiple projects in various programs within the year.

**RCx Study incentives will be provided to the approved RCx provider and capped at the RCx study cost.

HOW TO PARTICIPATE

STEP 1: Contact an approved RCx provider.

Contact an approved RCx provider to determine your energy efficiency opportunities. To find an approved RCx provider, contact TRC at **1-800-299-2501** or visit **trcsavesenergy.com/TradeAlly/TradeAllySearch**

STEP 2: Submit the pre-approval application.

Your approved RCx provider submits the completed study with the program application outlining the proposed scope of work and pre-monitoring analysis for pre-approval. RCx study incentive will be paid after the installation of RCx measures.

STEP 3: Receive approval and offer.

If the project is approved by TRC, the customer will receive, sign, and return the incentive offer.

STEP 4: Purchase and install measures.

Purchase and install approved energy efficiency measures.

STEP 5: Submit project completion forms and documentation. Submit the completion form and all required documentation to the program, including post-monitoring data analysis.

STEP 6: Final review and payment.

The project will receive a final review, provided all program requirements have been met, and an RCx Study incentive check will be paid to the approved RCx provider who completed the study in addition to the custom incentive check which will be paid to the provider or the customer.

Get Started Saving!

Find an approved RCx provider to begin your RCx process.

Visit **trcsavesenergy.com/TradeAlly/TradeAllySearch** or contact a Field Engineer in your area by visiting **trcsavesenergy.com/Home/ContactUs** or calling TRC at **1-800-299-2501**.

ELIGIBILITY*

To be eligible, the customer must:

- Be a commercial and industrial customer in the NIPSCO service territory with the following electric rate classes: 520, 521, 522, 523, 524, 525, 526, 532, 533, 534, 541, 543 or 544 and non-transport only natural gas Rates 221, 225 or 251 (NIPSCO's DependBill rate).
- Not have opted out of NIPSCO's Energy Efficiency Program.

*Customers participating in the Midstream Channel by purchasing qualifying equipment from a participating dealer, are not eligible to participate in the Prescriptive/Custom Program or any other NIPSCO program for an incentive on the same piece of purchased equipment.

RCx must be completed as a holistic examination followed by a system level optimization. All RCx projects require pre-approval. No existing or former commitment may be made to complete the project.

Additional facility requirements include:

- Higher-than-average electrical intensity (kWh/ft² based on 2012 CBECs data per building type and past utility usage data within a minimum of 100,000 ft² of conditioned space. Smaller buildings will be considered if very high energy intensity exists, an example would be a data center.
- A functional Direct Digital Control (DDC) system (if applicable).
- Systems and functional equipment must not have reached the equipment's end of useful life.
- A firm commitment to adhere to program recommendations and settings to ensure ongoing energy savings.
- The simple payback of the project must be less than 12 months (measures with a simple payback over 12 months can be treated as Custom measures).