

Delaco Steel Retro-Commissioning Program Custom Track

Project Details

Delaco Steel is headquartered in Dearborn, Michigan and participated in the RCx Program to service multiple buildings. Delaco Steel found success in the flexibility of the Custom track for these facilities.

The following energy efficiency improvements were identified, implemented, and verified through the RCx Program at three Delaco Steel facilities:

- Adjusted air turnover units heating setpoints
- Fixed compressed air leaks
- Scheduled compressors



What is Retro-Commissioning?

The DTE Energy Retro-Commissioning (RCx) Program provides a professional study of your existing building and process systems. Program specialists help you optimize and improve comfort and functionality while decreasing energy and maintenance costs over time.

The program is focused on tuning-up your existing equipment for more efficient performance rather than upgrading or replacing it.

The retro-commissioning study is complimentary with opportunities for additional incentives and bonuses. Contact us to see if you qualify.

Get Started Today!

For more information on the DTE Retro-Commissioning Program, visit dteenergy.com/rcx, send an email to DTERCx@esciences.us, or call 248.430.5579.

Annual Electric Savings

Delaco Integrated Terminals	83,051 kWh
Delaco Steel-Miller Rd	231,590 kWh
Delaco Steel-HQ	427,710 kWh
Total annual electric savings	742,351 kWh

Description	Cost (-)	Benefit (+)
Annual energy cost savings estimate		\$85,770
Implementation cost estimate	\$3,000	
Customer verification bonus		\$24,115
Total benefit		\$109,885



Retro-Commissioning Program Case Study: Delaco Steel



Chris Currie is the Vice President of Manufacturing for Delaco Steel in Dearborn, Michigan. Chris and his team were aware of the challenges their facilities were having with their equipment; their systems were working harder and using more energy. They wanted to take action that would result in more efficient functionality without a large capital investment. With this substantial undertaking ahead, Chris teamed up with DTE's Retro-Commissioning (RCx) team.

Delaco Steel has three major facilities located in Southeast Michigan: Delaco Integrated Terminals in Woodhaven, Delaco Steel-Miller, and Delaco Steel-HQ. Chris wanted a program that would not only reduce cost and save money, but would give clear direction to his maintenance team going forward. "The savings from this program exceeded

my expectations. Our entire internal maintenance staff has been engaged and take it upon themselves to seek out other improvements needed within our facilities," Chris said. "Some other ideas were generated from enthusiasm that would greatly benefit the company. They were outside the scope of the original RCx project simply because people were so engaged in a process of being that got company-wide attention. We could see some of these ideas turning into additional energy saving opportunities and incentives."

The RCx specialists identified multiple opportunities to improve operations and schedules with Delaco Steel's existing building systems and presented estimated savings. Chris and his team selected which measures they wanted to implement, and the RCx team supported them along the way. "The RCx team communicated our path very well and assisted with any of our needs along the way," said Chris. "We simply answered some basic questions about our business to get qualified and then worked with the RCx team to identify energy savings. After the first walkthrough, they present a list of items they identified and suggestions on how to fix them. The list was reviewed by my internal maintenance team and corrected within a few weeks!"

Chris was impressed with the work of the RCx team and continues to look forward to making a further impact with energy and cost savings: "I would highly recommend this program to other customers. I would especially recommend to all customers with older facilities. Our company views this program in very high regard. The service provided is incredibly flexible so it fit well with operations, schedules, and goals."

The DTE Retro-Commissioning Program is an important part of our energy efficiency initiatives through DTE CleanVision, our goal of net zero carbon emissions by 2050. Learn more about CleanVision at dtecleanenergy.com and the RCx Program at dteenergy.com/rcx.