

## Eying Energy Efficiency in Manufacturing A National Retail Case Study

With a global footprint and global sales, one of the world's leading manufacturers and retailers of eyeglasses decided to pursue global carbon emissions reductions in its manufacturing, distribution, and retail facilities. In late 2012, the company selected Burton Energy group to reduce energy consumption and cost at their largest manufacturing and distribution sites.

### Project Overview:

- Identified Energy Cost Reductions:	11%
- Net Simple Payback:	1 year
- <b>Expected Annual Savings:</b>	<b>\$300,000+</b>

In 2013, Burton began work at a California campus that is one of the world's most complex and modern for manufacturing sunglass lenses and frames. The campus also includes distribution and office spaces. Burton performed a combined retro-commissioning (RCx) assessment and energy audit. The RCx assessment was focused on identifying low and no cost measures, while the energy audit was focused on improvements that require capital investment.

Burton identified 11% in energy cost reductions and carbon emission reductions with attractive returns on investment. Nearly all of them were selected for implementation. The campus was also enrolled in a third party managed custom industrial energy efficiency program offered by the local utility, Southern California Edison (SCE). This program requires comprehensive measurement and verification of savings involving utility sub-metering, data loggers, and comprehensive building simulation modeling. Burton supported the client and the third party administrator throughout

this process with technical services.

Based upon this success, the company retained Burton to perform similar work at their largest manufacturing campus in the world, in China. Other efforts are planned as the company continues to pursue carbon emission reductions that also bring about an attractive return on investment.

### What is Retro-Commissioning?

Retro-Commissioning (RCx) is a systematic process to improve an existing building's performance. Using a whole-building systems approach, retro-commissioning seeks to identify operational improvements that will increase occupant comfort and save energy.

Typical energy savings = 5-15%

Contact us today to discuss how you can reduce operating costs while meeting sustainability goals.