



AMERICAN DEVELOPMENT  
INSTITUTE

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## SUMMARY

ADI Energy successfully retrofitted The Kroger Company's Interstate Warehousing facility refrigeration systems in Denver, Colorado, leading to energy savings and reduced utility costs.

Energy Efficiency Colorado

Energy Efficiency Food Industry

Lifetime Savings: \$1,654,275

Total Electric Savings: 14,246,820 kWh

## SERVICES

- Commercial energy services
- Industrial energy services
- Energy design build services
- Energy engineering
- Energy analysis
- Energy savings analysis
- Energy reductions
- Utility reductions
- Plant optimization
- Plant sustainability

## MEASURES

- Energy Management System
- Refrigeration
- VFD

# The Kroger Company Interstate Warehouse, Inc. Denver, Colorado



## UNIQUE VALUE TO CUSTOMER

The Kroger Company partnered with ADI Energy to successfully complete the retrofitting of the refrigeration systems at its Interstate Warehousing facility in Denver, Colorado.

Interstate Warehouse, Inc. is a 453,000 square foot facility that operates 24 hours per day, 7 days per week, 365 days per year and consists of retail store order pick, cross-dock and direct store delivery programs; 6,000,000 cubic feet capacity; a multi-lingual voice pick system and multiple temperature ranges.

During the study phase, ADI Energy gathered information on the facility and existing and proposed systems to recommend to The Kroger Company energy efficiency and cost savings projections for the project.

ADI Energy installed variable frequency drives (VFDs) on evaporator fan motors, condenser fan motors and on compressors. ADI integrated the Master Controls at the site to maximize the interaction of the VFD's with the equipment in order to optimize savings potential. ADI Energy provided the necessary hardware and delivery logistics to the site as well as comprehensive integration, startup, commissioning and training to local staff.

As a result of ADI Energy's successful completion of this project, The Kroger Company will recognize a total energy savings of 14,246,820 kWh which translates into a lifetime utility cost savings for The Kroger Company of \$1,654,275.