

Refrigeration Optimization

Save energy while ensuring reliability





Refrigeration Optimization

Refrigeration Optimization provides rebates for efficiency modifications

Our shared customers value their relationships with you and trust your recommendations. And we recognize that they have one primary concern: **dependable, continuous refrigeration system operation**. For customers in retail grocery sales, catastrophic equipment breakdowns can lead to costly inventory damage in an industry with margins that leave little room for error.

Our Refrigeration Optimization program helps our customers save energy while enhancing reliability. We'll reimburse eligible customers up to **\$10,000** for the cost of refrigeration optimization studies and up to **\$2,500** for contractor implementation costs. Other rebates are also available.

When you partner with us and encourage participation in our Refrigeration Optimization program, customers will experience lower energy bills and operating costs. In many cases, we can find energy savings with minimal costs and no downtime.

According to a Center for Energy and Environment (CEE) study, most large grocery stores could save an average of 271,000 kilowatt-hours annually—or nearly \$28,000 yearly—simply by adjusting control setpoints to manufacturer-recommended settings. **A typical large grocery store would have to sell up to \$1.25 million in product annually to achieve an equal impact in profits.**

Participation eligibility

To qualify a customer must:

- Receive electric service from Otter Tail Power Company.
- Own or operate a facility with a refrigeration system with at least 30 compressor horsepower. The system must be controlled by electronic rack controllers. The controllers must be capable of automatically floating the head pressure or changing a suction group's suction pressure setpoint.
- Complete a preapproval application and receive written approval to proceed with the Refrigeration Optimization project.
- Agree to implement all recommended measures that offer a combined payback of two years or less.

Refrigeration Optimization benefits

- A thorough assessment by qualified professionals.
- More reliable and efficient systems.
- Longer equipment service life.
- Lower energy bills.





Substantial rebates are available

After completing and receiving approval for a Refrigeration Optimization study, a customer is eligible for a rebate up to **\$10,000 to cover 100 percent of study costs** and up to **\$2,500 for implementation costs**, which include the following:

- Contractor time for initial visit.
- Contractor time for implementation of low-cost control optimization recommendations.
- Equipment upgrades needed for remote access.
- Minor control, valve, or other system upgrades that reduce annual energy use.

A customer also may be eligible for additional rebates. Cash incentives for energy-efficient refrigeration system upgrades include compressors, fan motors, doors, strip curtains, nightshades, digital controls, lighting controls, and more. Unique projects may be eligible for our custom energy-efficiency grants. For a complete list of refrigeration rebates, visit otpc.com/refrigeration.

How our Refrigeration Optimization program works

1. Preapproval application

A customer provides basic information about their refrigeration system and allows our company access to energy-related billing data. We use this information to determine whether a qualified Refrigeration Optimization study will produce adequate energy-cost savings.

2. Onsite refrigeration assessment

Following approval, our CEE-contracted specialist will complete an onsite assessment of the customer's refrigeration system looking for opportunities to optimize energy efficiency in control-system setpoints. The customer will then receive a prioritized report that includes:

- Recommended control setpoint adjustments and estimated energy-cost savings.
- Estimated costs and applicable rebates for equipment upgrades.
- Estimated energy and demand savings from recommended equipment investments.
- Payback periods.

3. Implementation

In consultation with the owner and their operations staff, a refrigeration service contractor of the customer's choice will complete the recommended setpoint/programming changes during the on-site assessment or following the report presentation.

4. Verification and payment

To receive reimbursement for the study cost and for implementation of setpoint changes, the customer must provide:

- Proof of paid invoices verifying the completion of all recommended setpoint changes.
- Refrigeration system specialist study proof of payment.



Learn more

We're available to help our shared customers achieve significant energy and money savings. Contact an **Energy Management Representative** at **800-257-4044** to get started.



215 South Cascade Street
Fergus Falls, MN 56537

otpc.com