

# Custom Efficiency

## EARN REBATES TO UPGRADE ELEVATORS THAT SAVE ENERGY

Elevators manufactured more than 20 years ago are significantly less energy efficient than today's newer models. The energy efficiency of elevators has greatly improved with technological advances in motor controls and drive technologies.

### Elevator Costs Going Up?

Aging elevators break down, and they're more difficult and expensive to service. When they're not breaking down, they're usually slowing down which can cut employee productivity and make a poor impression on your customers.

In most modern office buildings, elevators keep regular business hours and have peak running times. The older elevators draw power even when they're not in use—often wasting power for 12 hours on weekdays and 18 or more hours on weekends. Outdated technology can consume far more energy idling than working.

Consider the energy costs. Make sure to upgrade before your next scheduled shut down and take advantage of the opportunity reduce your operating expenses.

### Elevator Technologies and Alternatives

If your facility uses direct current (DC) hoist motors controlled by electromechanical relay controllers then you have an opportunity to reduce the energy consumption of your elevators.

Also, addressing elevators with silicon-control rectifiers (SCR) drives represents another opportunity to reduce energy use and operating costs.

Today's modern elevators use Variable Voltage Variable Frequency (VVVF) or permanent-magnet hoist machines with regenerative drives and microprocessor controllers that improve elevator reliability and ride quality, while reducing electrical energy consumption.

### Earn Rebates

The Custom Efficiency program provides rebates for equipment and process improvements that generate energy savings. The program analyzes the energy savings difference between a less energy-efficient condition (baseline) and your higher energy-efficient proposal. Rebates are awarded on the incremental cost and savings associated between the two scenarios.



### Summary of Actual Elevator Upgrade Project

Estimated incremental cost	\$50,000
Xcel Energy rebates earned	\$1,300
After-rebate cost	\$48,700
Annual energy savings	\$2,000
Annual O&M savings	\$4,500
Payback	7.5 years

### Get Started Now

Learn more about the Custom Efficiency rebate program by contacting your Xcel Energy account manager. Call our energy efficiency specialists at **1-800-481-4700** or email [energyefficiency@xcelenergy.com](mailto:energyefficiency@xcelenergy.com).