

POWER Grant

Helping businesses lower electric usage and demand

Special Technology

Business Energy Audits • Project Design Assistance • Conservation Rebates • Grants

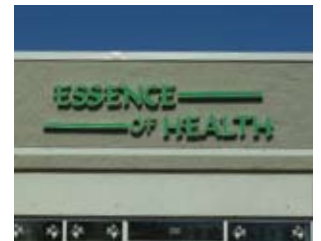
LED Commercial Lighting

It is a sign of the times. Progressive businesses and organizations are replacing and retrofitting backlit signs and lighted displays with Light Emitting Diode (LED) technology.

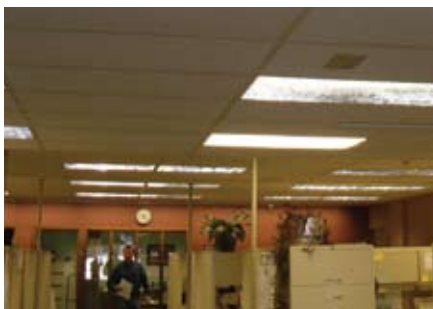
LED signs are brighter, longer lasting and less expensive to operate than neon because they consume six to 10 times less energy. Electronic message boards lit by LEDs offer additional advantages, including automatic digital brightness control and flexible programming so graphics can be changed instantly, reducing advertising and maintenance costs.

Brightness, durability, flexibility and energy efficiency make LED lighting a smart and effective choice for high visibility signage, dramatic exhibits, radiant holiday displays and other commercial industrial uses.

** Minnesota Power normally calculates LED, refrigeration and T8 rebates at \$200/kW saved.*



Duluth-based Krenzen Indoor Auto retrofitted its exterior sign with bright, energy-efficient LEDs and qualified for a \$2,238 PowerGrant rebate. The move will lower electric usage by 31,322 kWh per year for an estimated cost savings of \$1,859. KDNW Radio and Essence of Health in Duluth also switched to LED exterior signs, saving an estimated 10,658 kWh and 3,553 kWh per year, respectively.



Minnesota Power's Little Falls Service Center changed all of its 32-Watt T8 bulbs (total 193) to energy-efficient 28-Watt T8s, reducing energy use by 32,016 kWh and saving \$2,062 per year.

Low Wattage T8 Fluorescent Lamps

New technology is making energy-efficient T8 fluorescent lighting better than ever. Schools, offices, retail outlets, hospitals, hotels and industrial plants can benefit from replacing standard 32-Watt T8 bulbs with high performance 28-Watt T8s. Tests prove they last longer, stay brighter and use 12.5% less energy than standard T8s—without significantly reducing light output.

Contact Minnesota Power in the design phase of your project to qualify for these special **POWER Grant** rebates.

Minnesota Power's Conservation Improvement Program
218-722-5642 or toll-free at 800-228-4966, ext. 2909

www.mnpower.com/powergrant/



POWER *Grants*

“Energizing Our Region” through Conservation Improvement

Minnesota Power’s Conservation Improvement Program (CIP) works with local leaders, businesses, community groups, other energy providers and government entities to help customers reap the economic and environmental benefits of sustainable energy savings. Minnesota Power and its partners accomplish this through research, education, evaluation and direct impact initiatives.

Find out how *POWER Grant* can help you.

Minnesota Power awards grants to commercial/industrial customers who use innovative technologies, improve manufacturing processes, undertake renewable electric energy projects, or who need project design assistance. *POWER Grant* is available for a wide variety of projects employing diverse technologies.

Here are some examples of activities or products that could qualify for Minnesota Power funding under the *POWER Grant* Program:

- New electro-technologies that lower energy costs per unit of production in a manufacturing process
- Innovative technologies that are new and underutilized in our regional marketplace
- Inclusion of energy-efficient options in the design phase of a project

Maximum annual grants are determined by a customer’s average billing demand:

Customer Demand	Maximum Grant
Less than 100 kW	\$10,000
100 to 300 kW	\$25,000
Over 300 kW	\$50,000

Minnesota Power may consider higher rebate levels.

Other Minnesota Power Products and Services

In addition to *POWER Grants*, Minnesota Power offers commercial, industrial and agricultural customers other energy efficiency products and services. These include energy audits, rebates, dual fuel, storage/off-peak services, outdoor and area lighting, and economic development assistance.



Jerry’s SuperValu (pictured) in Pine River, Minn., reduced its energy use by nearly 10% and qualified for more than \$4,800 in PowerGrant rebates by installing pull-down screens on refrigerated coolers and sensors on freezer doors. Hometown Foods and Meats in Eagle Bend recently made similar improvements, which qualified for a \$1,920 rebate and will save an estimated 54,861 kWh per year.

Refrigeration Technologies

Refrigeration is one of the highest operating costs for supermarkets, convenience stores and food service businesses. That’s why energy-saving technologies, such as display case shields, sensor-based anti-sweat controls, and LED case lighting are hot commodities.

Covering refrigerated display cases with low emissivity shields, or curtains, during off-hours helps keep cold air in and hot air out. This simple act can cut energy use by one third when cases are covered by reducing heat transfer and lowering the cooling load.

Anti-sweat heaters prevent condensation from building up on glass display doors so customers can see refrigerated and frozen goods clearly, but these units don’t need to run continually. Easy-to-install, sensor-based controls save energy and money by triggering door heaters only when moisture is present.

Another way to cut refrigeration costs is by replacing traditional fluorescent case lighting with LED tubes. LEDs are brighter, cooler and longer lasting than fluorescent bulbs, saving energy and reducing maintenance without compromising visual appeal.

COMING *SOON*

...Special rebates for **INDUCTION LIGHTING**.
Talk to your Minnesota Power representative
about this innovative technology.