

# ENERGYWISE

## Interruptible Off-Peak Programs

### UNDERSTANDING LOAD FACTOR

Load factor is the actual amount of kilowatt-hours (kWh) delivered on a system in a designated period of time, as opposed to the total possible kWh that could be delivered on a system in a designated period of time.

In many situations, improving load factor could help companies save a considerable amount of money. Many organizations can improve load factor by reducing demand or increasing production efficiency. Distributing loads over different times or installing energy management systems help. Lowering peak demand along with keeping demand stable is often a cost-effective way to maximize the use of your power.

### ENROLL TODAY!

Your business will receive reduced electric rates by participating in one or more of the following Energy Wise® load management programs. To enroll, contact the Energy Experts® at 651-463-6243.

**ENROLL  
AND SAVE!**

Energy management can be a complex and confusing topic. Learning about load factor and power factor can give you a better understanding of energy management and help you make decisions to save your business money.

### HOW DOES IT WORK?

Dakota Electric, like all utilities, experiences times of peak use. Members who reduce their electrical load by at least 50 kW during these peak times can receive significant year-round savings, giving them the power to reduce their energy costs.

During times of peak electricity use, Dakota Electric asks members to reduce their electrical load by at least 50 kilowatts (kW). Businesses achieve this reduction by manually reducing their load or installing a generator to power their facility during the peak demand period.

By participating, members help Dakota Electric reduce wholesale power purchases during times when electricity is most expensive. Dakota Electric returns these savings to members through a lower rate on electricity.

### INTERRUPTIBLE PROGRAM OPTIONS

Dakota Electric offers members two interruptible program options, both with money-saving benefits.

### FULL INTERRUPTION (RATE 70)

- Lowest rate available from Dakota Electric.
- Available to members who can reduce their connected load of at least 50 kW to zero during times of peak energy demand.
- To achieve zero load, most companies depend on a standby generator
- Manually reducing your load to zero through voluntary curtailment also qualifies your business.

### PARTIAL INTERRUPTION (RATE 71)

- Available for businesses that can reduce their load by at least 50 kW.
- A Dakota Electric representative will help you determine your load reduction during peak times.
- The greater your reduction, the greater your savings.

### WHO CAN PARTICIPATE?

Any commercial building or business able to reduce their load by at least 50 kW.

# RATE 70/71 GEN-SET/CURTAILMENT HISTORY

## Load Control Summary

### SUMMER

YEAR	NUMBER OF CONTROL PERIODS	TOTAL HOURS CONTROLLED	AVERAGE LENGTH OF CONTROL PERIOD (in hours)
2015	3	19	6.3
2016	4	24	6
2017	1	6	6
2018	1	6.5	6.5
2019	2	10.5	5.25
2020	4	28	7
2021	8	47	5.88
2022	4	24	6
2023	3	15	5
2024	1	4	4
2025	1	6	6

### WINTER

YEAR	NUMBER OF CONTROL PERIODS	TOTAL HOURS CONTROLLED	AVERAGE LENGTH OF CONTROL PERIOD (in hours)
2015-16	0	0	0
2016-17	0	0	0
2017-18	0	0	0
2018-19	1	6	6
2019-20	0	0	0
2020-21	1	6	6
2021-22	0	0	0
2022-23	1	2.5	2.5
2023-24	0	0	0
2024-25	0	0	0
2025-26	3	14	4.6

**QUESTIONS?** Contact the Dakota Electric's Energy Experts at 651-463-6243.

The Interruptible Rate 70/71 program allows Dakota Electric to reduce its capacity and energy requirements during peak load conditions by interrupting all or a portion of a members' electric load. Scheduled interruption times can be found at <http://mguid.greenergy.com/GetSchedule.do> and range from 4 to 10 hours per day based on system needs. Interruptions for system emergency can occur at anytime.