

*Roundtable on Demand Response Programs
Committee on Regional Electric Power Cooperation
San Diego, California
April 29-30, 2002*

Saskatchewan Demand Response Programs

- Saskatchewan is served by a provincial Crown utility, SaskPower.
- SaskPower has no formal demand response programs.
- Selected SaskPower industrial customers have an interruptible component to confidential, long-term supply agreements whose terms are not publicly available.
- SaskPower offers, within its standard tariffs, an opportunity for customers to elect time of day metering, using approved meters, for the purposes of calculating demand charges on the basis of the maximum kV.A demand registered within the hours specified in the tariff, as opposed to maximum kV.A. for the billing period.
- The energy charge calculation for customers electing time of day metering under the tariff is the same as for those customers who do not elect time of day metering.
- Appendixed to this handout are the applicable SaskPower tariff sheets.

SaskPower

GENERAL SERVICE - STANDARD

APPLICABILITY: To metered non-residential and non-farm loads greater than 75 kV.A served through SaskPower-supplied transformation and to which no other rates apply.

NOTE: For loads up to 75 kV.A refer to RATE PAGE 3.1.

Recorded Demand - shall be the maximum kV.A demand registered during the current month;

OR

For those services with approved time-of-day metering, the greater of the maximum kV.A demand registered between the hours of 07:00 to 22:00 Monday through Friday excluding statutory holidays or 50% of the maximum kV.A demand registered at any other time during the current month.

	<u>URBAN</u>	<u>RURAL</u>
<u>RATE CODE</u>	<u>E05</u>	<u>E06</u>
Basic Monthly Charge	\$22.62	\$33.65
Demand Charge		
- First 50 kV.A/mo.	0	0
- Balance \$/kV.A	\$10.92	\$13.52
Energy Charge		
- First 16 750 kW.h/mo. (¢/kW.h)	7.27¢	7.63¢
- Balance (¢/kW.h)	4.014¢	3.640¢

MINIMUM BILL – The Basic Monthly Charge plus \$1.10/kV.A of the maximum recorded demand over 50 kV.A registered over the past eleven months.

The rates herein defined are net and do not include any taxes or surcharges, which may lawfully be imposed by or at the request of any municipal, provincial or federal authority.

EFFECTIVE JANUARY 1, 2002

GENERAL SERVICE - SMALL COMMERCIAL

APPLICABILITY: To metered commercial and municipal loads up to 75 kV.A served through SaskPower-supplied transformation and to which no other rates apply.

NOTE: For services to all Provincial and Federal Government Departments, Agencies, Boards, Commissions and Crown Corporations the General Service - Standard rates on RATE PAGE 3.0 will apply.

Recorded Demand - shall be the maximum kV.A demand registered during the current month;

OR

For those services with approved time-of-day metering, the greater of the maximum kV.A demand registered between the hours of 07:00 to 22:00 Monday through Friday excluding statutory holidays or 50% of the maximum kV.A demand registered at any other time during the current month.

	<u>URBAN</u>	<u>RURAL</u>
<u>RATE CODE</u>	<u>E75</u>	<u>E76</u>
Basic Monthly Charge	\$ 18.34	\$23.95
Demand Charge		
- First 50 kV.A/mo.	0	0
- Balance \$/kV.A	\$10.26	\$12.35
Energy Charge		
First Block kW.h/mo.	12,500 kWh	11,500 kWh
- First Block (¢/kW.h)	7.77¢	8.58¢
- Balance (¢/kW.h)	4.020¢	3.678¢

MINIMUM BILL – The Basic Monthly Charge plus \$1.00/kV.A of the maximum recorded demand over 50 kV.A registered over the past eleven months.

The rates herein defined are net and do not include any taxes or surcharges, which may lawfully be imposed by or at the request of any municipal, provincial or federal authority.

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GENERAL SERVICE - MANUFACTURING & FOOD PROCESSING

APPLICABILITY: To qualified manufacturing and food processing loads served through SaskPower-supplied transformation.

Qualifying Criteria:

1. The principal activity must be the production of processed food or finished or semi-finished goods for local or export markets, and the activity must be defined in the Standard Industrial Classification (SIC) code as manufacturing. Notwithstanding the latter criteria, granular fertilizer blending and cleaning grain to Canadian Grain Commission Export Standards are also considered eligible manufacturing/food processing activities. Commercial printers primarily engaged in newspaper publication are ineligible for this rate.
2. At least 51% of the processed food or manufactured output must be wholesaled.
3. At least 51% of the total operating costs of the facilities in which the manufacturing or food processing operations occur must be attributable to manufacturing.
4. The customer must sign SaskPower's "Certificate of Eligibility" document.

Recorded Demand - shall be the maximum kV.A demand registered during the current month;

OR

For those services with approved time-of-day metering, the greater of the maximum kV.A demand registered between the hours of 07:00 to 22:00 Monday through Friday excluding statutory holidays or 50% of the maximum kV.A demand registered at any other time during the current month.

<u>RATE CODE</u>	<u>URBAN</u> <u>E65</u>	<u>RURAL</u> <u>E66</u>
Basic Monthly Charge	\$ 20.78	\$31.50
Demand Charge		
- First 50 kV.A/mo.	0	0
- Balance \$/kV.A	\$11.17	\$10.87
Energy Charge		
- First 11,500 kW.h/mo. (¢/kW.h)	7.54¢	7.54¢
- Balance (¢/kW.h)	2.646¢	2.704¢

MINIMUM BILL – The Basic Monthly Charge plus \$0.75/kV.A of the maximum recorded demand over 50 kV.A registered over the past eleven months.

The rates herein defined are net and do not include any taxes or surcharges, which may lawfully be imposed by or at the request of any municipal, provincial or federal authority.

EFFECTIVE JANUARY 1, 2002

SaskPower

RATE PAGE 4.0

GENERAL SERVICE - STANDARD

APPLICABILITY: To metered non-residential and non-farm loads greater than 75 kV.A and up to 2000 kV.A served through customer owned transformation and to which no other rates apply.

NOTE: For loads up to 75 kV.A refer to RATE PAGE 4.1

Recorded Demand - Shall be the maximum kV.A demand registered during the current month;

OR

For those services with approved time-of-day metering the greater of the maximum kV.A demand registered between the hours of 07:00 to 22:00 hours Monday through Friday excluding statutory holidays or 50% of the maximum kV.A demand registered at any other time during the current month.

<u>RATE CODE</u>	<u>Urban E07</u>	<u>Rural E08</u>	<u>E10</u>	<u>E12</u>
Supply Voltage	25 kV & Less	25 kV & Less	72 kV	138 kV
Basic Monthly Charge	\$58.10	\$86.50	\$86.50	\$62.50
Demand Charge				
- First 50 kV.A/mo.	0	0	0	0
- Balance \$/kV.A	\$10.29	\$12.54	\$4.95	\$4.75
Energy Charge				
First Block kW.h/mo.	17,750 kWh	18,250 kWh	15,750 kWh	18,250 kWh
- First Block (¢/kW.h)	6.89¢	7.00¢	5.16¢	4.76¢
- Balance (¢/kW.h)	4.067¢	3.550¢	3.620¢	3.470¢

MINIMUM BILL – The Basic Monthly Charge plus \$0.80/kV.A of the maximum recorded demand over 50 kV.A registered over the past eleven months.

The rates herein defined are net and do not include any taxes or surcharges, which may lawfully be imposed by or at the request of any municipal, provincial or federal authority.

RATE PAGE 4.1

EFFECTIVE JANUARY 1, 2002

SaskPower

GENERAL SERVICE - SMALL COMMERCIAL

APPLICABILITY: To metered commercial and municipal loads up to 75 kV.A served through customer-owned transformation and to which no other rates apply.

NOTE: For services to all Provincial and Federal Government Departments, Agencies, Boards, Commissions and Crown Corporations, the General Service - Standard rates on RATE PAGE 4.0 will apply.

Recorded Demand - Shall be the maximum kV.A demand registered during the current month;

OR

For those services with approved time-of-day metering the greater of the maximum kV.A demand registered between the hours of 07:00 to 22:00 hours Monday through Friday excluding statutory holidays or 50% of the maximum kV.A demand registered at any other time during the current month.

<u>RATE CODE</u>	<u>Urban E77</u>	<u>Rural E78</u>
Supply Voltage	25 kV & Less	25 kV & Less
Basic Monthly Charge	\$ 18.34	\$23.95
Demand Charge		
- First 50 kV.A/mo.	0	0
- Balance \$/kV.A	\$9.89	\$11.90
Energy Charge		
First Block kW.h/mo.	12,500 kWh	11,500 kWh
- First Block (¢/kW.h)	7.77¢	8.58¢
- Balance (¢/kW.h)	4.020¢	3.678¢

MINIMUM BILL – The Basic Monthly Charge plus \$1.00/kV.A of the maximum recorded demand over 50 kV.A registered over the past eleven months.

The rates herein defined are net and do not include any taxes or surcharges, which may lawfully be imposed by or at the request of any municipal, provincial or federal authority.

EFFECTIVE JANUARY 1, 2002

GENERAL SERVICE - MANUFACTURING & FOOD PROCESSING

APPLICABILITY: To qualified manufacturing and food processing loads up to 2000 kV.A served through customer-owned transformation.

Qualifying Criteria:

1. The principal activity must be the production of processed food or finished or semi-finished goods for local or export markets, and the activity must be defined in the Standard Industrial Classification (SIC) code as manufacturing. Notwithstanding the latter criteria, granular fertilizer blending and cleaning grain to Canadian Grain Commission Export Standards are also considered eligible manufacturing/food processing activities. Commercial printers primarily engaged in newspaper publication are ineligible for this rate.
2. At least 51% of the processed food or manufactured output must be wholesaled.
3. At least 51% of the total operating costs of the facilities in which the manufacturing or food processing operations occur must be attributable to manufacturing.
4. The customer must sign SaskPower's "Certificate of Eligibility" document.

Recorded Demand - Shall be the maximum kV.A demand registered during the current month;

OR

For those services with approved time-of-day metering the greater of the maximum kV.A demand registered between the hours of 07:00 to 22:00 hours Monday through Friday excluding statutory holidays or 50% of the maximum kV.A demand registered at any other time during the current month.

	Urban E67	Rural E68	E60	E69
<u>RATE CODE</u>	<u>25 kV</u>	<u>25 kV</u>	<u>72 kV</u>	<u>138 kV</u>
Supply Voltage	25 kV	25 kV	72 kV	138 kV
	& Less	& Less		
Basic Monthly Charge	\$31.35	\$201.90	\$422.84	\$757.05
Demand Charge				
- First 50 kV.A/mo.	0	0	0	0
- Balance \$/kV.A	\$7.45	\$9.01	\$3.97	\$3.92
Energy Charge				
First Block - kW.h/mo.	18,750 kWh	14,000 kWh	15,750 kWh	16,500 kWh
- First Block - (¢/kW.h)	5.40¢	6.22¢	4.47¢	4.23¢
- Balance (¢/kW.h)	3.420¢	3.019¢	3.233¢	3.163¢

MINIMUM BILL – The Basic Monthly Charge plus \$0.60/kV.A of the maximum recorded demand over 50 kV.A registered over the past eleven months.

The rates herein defined are net and do not include any taxes or surcharges, which may lawfully be imposed by or at the request of any municipal, provincial or federal authority.

SaskPower

RATE PAGE 5.1

POWER - MANUFACTURING & FOOD PROCESSING

APPLICABILITY: To qualified manufacturing and food processing loads greater than 2000 kV.A and up to 15000 kV.A served through customer-owned transformation.

Qualifying Criteria:

1. The principal activity must be the production of processed food or finished or semi-finished goods for local or export markets, and the activity must be defined in the Standard Industrial Classification (SIC) code as manufacturing. Notwithstanding the latter criteria, granular fertilizer blending and cleaning grain to Canadian Grain Commission Export Standards are also considered eligible manufacturing/food processing activities. Commercial printers primarily engaged in newspaper publication are ineligible for this rate.
2. At least 51% of the processed food or manufactured output must be wholesaled.
3. At least 51% of the total operating costs of the facilities in which the manufacturing or food processing operations occur must be attributable to manufacturing.
4. The customer must sign SaskPower's "Certificate of Eligibility" document.

Recorded Demand - The monthly recorded demand shall be the greater of the maximum kV.A demand registered between the hours of 07:00 to 22:00 hours Monday through Friday excluding statutory holidays or 50% of the maximum kV.A demand registered at any other time during the current month.

Billing Demand

The monthly billing demand shall be the monthly Recorded Demand but the billing demand shall not be less than 75% of the maximum billing demand in the preceding 11 months.

<u>RATE CODE</u>	<u>E62</u>	<u>E63</u>	<u>E64</u>
<u>Supply Voltage</u>	<u>25 kV</u>	<u>72 kV</u>	<u>138 kV</u>
Basic Monthly Charge	\$2816.00	\$3035.00	\$3365.00
Demand Charge Per kV.A of billing demand each month	\$4.46	\$2.31	\$2.22
Energy Charge - (¢/kW.h)	3.371¢	3.625¢	3.263¢

MINIMUM BILL – Demand Charge plus the Basic Monthly Charge.

The rates herein defined are net and do not include any taxes or surcharges, which may lawfully be imposed by or at the request of any municipal, provincial or federal authority.