



**Southern Iowa  
Electric Cooperative**

A Touchstone Energy® Cooperative

Phone: 641-664-2277  
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Website: [www.sie.coop](http://www.sie.coop)

Statement Date: 04/01/2019  
Member: John Doe  
Phone#: 641-664-0000  
Email: jdoe@  
Rate Code: 102  
Rate Schedule: Residential

22458 Hwy 2  
PO Box 70  
Bloomfield, IA 52537

**Electric Account: 88888-001**  
**Location: 101-01-0001**  
**Service Address: 12345 John Doe Ave**

Meter No.	Current Reading Date	Previous Reading Date	Current Meter Read	Previous Meter Read	Number of Days	Mult	Total kWh Usage
12345678	4/1/19	3/1/19	81650	80000	30	1	1650

**Billing detail**

Last Amount Billed.....\$200.00  
Payment Received 3/10/19.....\$200.00 CR  
Adjustments..... 0.00  
**Balance Carried Forward..... 0.00**

**New Charges**

Customer Related Fixed Charge.....\$ 43.00  
Energy Charge 1650 kWh @ .0980.....\$161.70  
On-Peak Demand Charge 2.37kW @ 3.66.....\$ 8.68  
Security Light.....\$ 10.00  
County Sales Tax.....\$ 2.24  
**Total New Charges.....\$225.62**

**TOTAL AMOUNT DUE: \$225.62**

Please Pay by: 04/20/2019

**Amount Due if Paid After 04/20/2019: \$229.01**

**TAKE CONTROL & SAVE®**

Demand 09.60 kWmax @ 3/12 9pm 2.37 kW On-Peak @ 3/10 8am  
On-Peak Load Efficiency Factor 103%

For more information on electric service & rate terms go to  
<http://www.sie.coop/content/rates-service-options>

Please call our office with questions and let us help you utilize the new rate structure to your advantage.

**BILLING EXPLANATIONS:**

**Customer Related Fixed Charge**...this is a fixed cost that is paid every month. It helps cover the cost to maintain our system such as insurance, taxes, trucks & equipment; which exists even when no electricity is used.

**Energy Charge**...this is simply the charge for the electric energy you consumed for the month, it is measured in kWh.  $81650-80000=1650 \text{ kWh} \times .0980=\$161.70$

**On-Peak Demand Charge**...Demand is the rate at which energy is consumed in a specific period. The On-Peak hours when energy is most expensive is from 7-8AM & 4-8PM Mon-Fri. To save money on your electric bill shift out of the On-Peak hours or stagger your appliances during On-Peak hours. Demand is measured in hourly intervals...7-8AM, 4-5, 5-6, 6-7, & 7-8PM. This month, during On-Peak hours, your Demand peaked at 2.37 kW on 3/10 @ 7-8AM  $2.37\text{kW} \times \$3.66=\$8.68$

**Security Light**...Optional for members. LED Security Lights are installed on the member's meter pole and automatically come on from dusk to dawn. There is a monthly \$10 fee and the security light is maintained by Southern Iowa Electric Cooperative.

**Bills are due by the 20<sup>th</sup> of each month.** If the current bill is not paid by the 20<sup>th</sup> you will receive a 1.5% penalty. Members are forgiven 1 late fee per year.

**Demand kWmax**...this is your demand outside of the On-Peak hours and it does not affect your bill. Only the Demand kWOn-Peak is used in calculating your monthly bill.  
**On-Peak Load Efficiency Factor**...if this number is 30% or higher then you will benefit from the demand rate structure. To calculate this: take total kWh for the month divided by (kWOn-Peak x days in billing cycle x 24hours)  $1650 / (2.37 \times 30 \times 24) = 103\%$

# WHAT IS ON-PEAK DEMAND?

## WALLY'S HAMBURGER STAND



“Wally ran a hamburger stand that had 20 seats. Every day at noon sharp, 60 customers arrived for lunch. Wally had a **peak demand** for hamburgers at noon.

Wally called the 60 people together and said, If you all insist on eating at noon, I will have to build a hamburger stand three times bigger, install a grill three times as wide, hire three times more help, and put in three times more seats. Then of course the hamburgers would have to cost three times as much.

But, if 20 of you will come at 11:30, 20 of you will come at noon, and 20 of you will come at 12:30, I can serve all of you by spreading out the demand and continuing to sell hamburgers at the lowest possible cost.” \*

This is the same type of problem faced by many electric cooperatives who have a **Peak Demand** for electricity. If everyone in the cooperative’s territory uses energy at the same time, “demand peaks” occur on the system. These times are called On-Peak hours; when electricity is most used which causes power to be more expensive from the power supplier.

## SIEC’s On-Peak hours are 7:00-8:00 AM & 4:00-8:00 PM Monday thru Friday

To save money on your electric bill...

- ✓ When possible **SHIFT** out of the On-Peak hours 7-8AM & 4-8PM

*For example: Consider placing a timer on your water heater that helps shift the energy load out of on-peak hours. Also consider investing in a programmable thermostat so your HVAC runs less during on-peak hours.*

- ✓ When possible **STAGGER** appliances during ON-Peak hours 7-8AM & 4-8PM

*For example: avoid running the clothes dryer and the dishwasher in the same hour during On-Peak hours. Note...major appliances that may contribute to high demand costs include the water heater, electric range/oven, clothes dryer, & air conditioner.*

Demand is measured in hourly intervals...7-8 AM, 4-5, 5-6, 6-7, & 7-8 PM. A household’s highest demand thru the month during these On-Peak hourly intervals will be what members see as their On-Peak Demand Charge on their statement. As users of electricity, members can help the cooperative and their own pocket books by shifting & staggering their On-Peak Demand for electricity. \*Source: Energy Sentry