

How to Calculate Your Bill – Schedule OPT

4 Steps to calculating your bill:

1. Determine how much electricity you consumed. Electricity usage is measured in two ways:
 - A. Demand (kW-kilowatts): the rate at which energy is used
 - B. Energy (kWh-kilowatt-hours): the amount of energy used
2. Determine your tariff schedule which includes the tariff at which your usage will be charged. Typical tariff schedules include G, GA, I and OPT.
3. Determine the usage charges. Charges are typically broken down into three categories:
 - A. Basic Facilities charges
 - B. Demand charges (kW-kilowatts)
 - C. Energy charges (kWh-kilowatt-hours)
4. Add taxes and other applicable fees.

Most business bills consist of three categories of charges:

Basic Facilities Charge:


A customer charge is a fixed charge assessed each billing period regardless of a customer's usage.

Demand Charge (expressed as “kW” or “kilowatts”):

When you become a Duke Energy customer, we plan our system based on the maximum electrical usage to be expected from your business. In essence, we do this to reserve capacity for you on the Duke Energy system (including generating plants and transmission and distribution lines) to ensure we have enough resources to serve your business at all times. Demand is how we measure the capacity required and is defined to be the rate at which a customer uses electricity during a specified time period. Demand is based on the “reservation” of these resources and is measured by the highest rate at which a customer uses electricity over a given period of time.

Energy Charge (expressed as “kWh” or “kilowatt-hours”):

Energy charges are based on the amount of electricity a customer uses during the billing period. In some cases, an electric meter registers only a portion of the kilowatt-hours used, and a meter multiplier must be used to determine the customer's actual kilowatt-hour usage. Any multiplier, if applicable, is shown on your bill.



Demand can be thought of as the speedometer reading in your car. It is the rate at which energy is being consumed.

Energy Usage is like miles driven on the odometer.

Rate Schedule OPT

Duke Power, A Duke Energy Company
 ABC, INC.
 101 CORPORATE DRIVE
 Account Number: 0000311932
 Verification Code: 4
 Bill Date: 08/05/2005
 Current Charges Past Due After: 08/22/2005

Service from JUL 05 to AUG 04 (30 Days) Your next scheduled meter reading will occur between SEP 05 and SEP 06.

PREVIOUS BILL AMOUNT	PAYMENTS (-)	NEW CHARGES (+)	ADJUSTMENTS (+ OR -)	AMOUNT DUE (-)
12,645.62	12,645.62	17,004.55	0.00	\$17,004.55

METER NUMBER	METER READINGS PREVIOUS	METER READINGS PRESENT	MULTIPLIER	TOTAL USAGE	RATE SCHEDULE DESCRIPTION	AMOUNT
087160					OPT - Optional Power Srv, TOU	
	32.06	32.61	600	450 KW	Customer Charge	36.07
				450 KW	On-Peak Actual Demand(Summer)	
	83.49	84.19	700	490 KW	On-Peak Billing Demand	5,841.00
				40 KW	Off-Peak Actual Demand	
					Economy Demand	41.20
	3155	3260	600	63,000 KWH	On-Peak Energy(Summer)	2,915.33

- A Demand
- B Energy (kWh)
- C Meter Multiplier
- D Meter Readings

To determine demand:

1. Subtract previous meter reading from present meter reading.
2. Multiply result from step 1 by meter multiplier.
3. Billing demand for this month is the larger of step 2 or 50% of the contract demand.

To determine energy usage:

1. Subtract previous meter reading from present meter reading.
2. Usage for this month is determined by multiplying the result from step 1 by the meter multiplier.

Electricity Usage	This Month	Last Year
Total KWH	371,000	270,000
Days	30	28
AVG KWH per Day	12,366	9,643
AVG Cost per Day	950.31	572.47

Amount Due: \$17,004.55

For Correspondence:
 PO BOX 1090
 CHARLOTTE NC 28201-1090
 800-653-5307
 HTTP://WWW.DUKEPOWER.COM

Our records indicate your telephone number is 704-482-7131. If this is incorrect, please follow the instructions on the back of the bill.

A late payment charge of 1.0% will be added to any past due utility balance not paid within 25 days of the bill date.

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ABC, INC.
 101 CORPORATE DRIVE
 CHARLOTTE NC 28261

Account Number: 0000311932
 Verification Code: 4
 Amount Due: \$17,004.55
 Current Charges Past Due After: 08/22/2005

Schedule OPT

Availability Requirements / Limitations / Characteristics

- Schedule OPT is available for all non-residential customers.
- Generally best for customers with above average load factor or significant off-peak use.
- OPT should be considered for customers with hours use of demand over 350 per month.

A Schedule OPT bill can be broken down into four parts:

- **Basic Facilities Charge:** this is a basic customer charge that is assessed every month, regardless of usage.
- **On Peak Demand Charge:** this charge is based on the customer’s actual demand during the on-peak periods of the billing month.
- **Economy Demand Charge:** this charge is based on the actual demand for the month minus the on-peak demand but not less than zero.
- **Energy Charge:** this charge is based on the customer’s usage of energy during the billing month. As a customer uses more energy, lower charges apply.

E			
<u>RATE:</u>			
I.	Basic Facilities Charge	\$36.07	
F			
II.	Demand Charge	Summer Months <u>June 1 – September 30</u>	Winter Months <u>October 1 – May 31</u>
A.	On-Peak Demand Charge		
	For the first 2000 KW of Billing Demand per month	\$12.98 per KW	\$7.64 per KW
	For the next 3000 KW of Billing Demand per month	\$11.89 per KW	\$6.54 per KW
	For all over 5000 KW of Billing Demand per month	\$10.79 per KW	\$5.43 per KW
B.	Economy Demand Charge	\$1.03 per KW	\$1.03 per KW
G			
		<u>General Service</u>	<u>Industrial Service</u>
		<u>All Months</u>	<u>All Months</u>
A.	All On-Peak Energy per month	4.6275 cents per kWh	4.5943 cents per kWh
B.	All Off-Peak Energy per month	2.4921 cents per kWh	2.4589 cents per kWh

E Basic Facilities Charge

F Demand Charge

G Energy Charge

Your bill is the total of:

Basic Facilities charge

+

On Demand charges

First 2,000 kW Billing Demand
 Next 3,000 kW Billing Demand
 Over 5,000 kW Billing Demand

Jun-Sept

\$12.98 per kW
 \$11.89 per kW
 \$10.79 per kW

Oct-May

\$7.64 per kW
 \$6.54 per kW
 \$5.43 per kW

+

Economy Demand Charge (if applicable)

All months

\$1.03 per kW

+

Energy charge

On-Peak kWh
 Off-Peak kWh

General Service

4.5512 ¢ per kWh
 2.4158 ¢ per kWh

Industrial

4.4132 ¢ per kWh
 2.2778 ¢ per kWh

+

Taxes

+

Any other agreements or penalties

