



# PROTECTING YOUR THREE-PHASE EQUIPMENT

IF YOU'RE A THREE-PHASE POWER CUSTOMER, IT'S IMPORTANT TO PROTECT YOUR SENSITIVE ELECTRICAL EQUIPMENT FROM POSSIBLE VOLTAGE CHANGES. WE WANT TO MAKE SURE YOU KNOW WHY AND HOW.

## SMART GRID

PPL's newest protective devices have the capability to only open the affected phase in the event of a single-phase fault on a three-phase line, leaving the other two phases in service.

This can create a partial power situation for three-phase customers – and, without proper power protection, could cause damage to electrical equipment such as motors. By having protective equipment that senses the voltage ahead of the motor, the equipment can automatically shut off the motor when there's a partial power situation.

While keeping electricity flowing on some phases of a three-phase service potentially allows thousands of customers to remain in power, it can raise the chance that your protective equipment may be called into action.

## PROTECTING YOUR EQUIPMENT

We wanted to make you aware that multi-phase customers have the responsibility to protect their equipment against single phasing. Many customers who have had equipment installed in the last 20 years already have this protection. However, if you're not sure, we recommend you contact an electrician or an electrical contractor. There is a wide variety of protective equipment on the market to match the varied needs of multi-phase customers.

## MORE INFORMATION

If you have questions or concerns, please reach out to your Key Account Manager. They can discuss your equipment with you and help you to mitigate the risk of damage.

[PPLELECTRIC.COM](http://PPLELECTRIC.COM)  
**1-888-220-9991, OPTION 4**

Business  
Services



**PPL Electric Utilities** is committed to safely and reliably delivering power to the businesses that fuel the local and regional economies of central and eastern Pennsylvania. Our continuing investment in a stronger, more secure grid and our dedication to customers position us to provide the best possible customer experience.

