

WHY CAPACITORS FAIL

BEST SOLUTION

1. High Voltage Conditions / Solutions

- a. Lightning related Voltage surges / *Phaseback VSGR*
- b. Switching surges / *Phaseback VSGR*
- c. Sustained over Voltage – Tap setting / single phase event / *Phaseback VSGR*

2. Overheating Conditions / Solutions

If internal temperature routinely goes above 150°F (66C), failure is imminent.

- a. Overload / Fuse or CB
- b. Excessive Harmonics / *Phaseback VSGR*
- c. Voltage imbalance / *Phaseback VSGR*
- d. Noise, flicker, and frequency issues / *Phaseback VSGR*

Phaseback VSGR is an interactive Voltage Stabilizing Ground Reference & will correct these real world issues now, & as time changes the operating conditions. All other devices, reactors, filters, arresters, TVSS, are band aids only.

Phaseback will PREVENT ARC FLASH, pay for itself, usually in 1 year or less, and provide the best possible operating conditions:

- **Optimum operating temperature** due to balanced phase/ground voltage & very low Harmonics.
- **Transient free Voltage** Lightning & switching surges are eliminated without SPDs/arresters.
- **High voltage conditions eliminated** Stabilized System Voltage
- **Noise and frequency problems eliminated.**
- **Real efficiency** – Energy Savings from balanced voltage phase/ground, reduced leakage current to ground, and longer equipment life.

"Phaseback VSGR FIRST" is the only way to do it right the first time!

Because doing it over is very expensive!

www.phaseback.com

Call me to discuss your applications. **Cy Cates (832) 647 4606 cell**
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