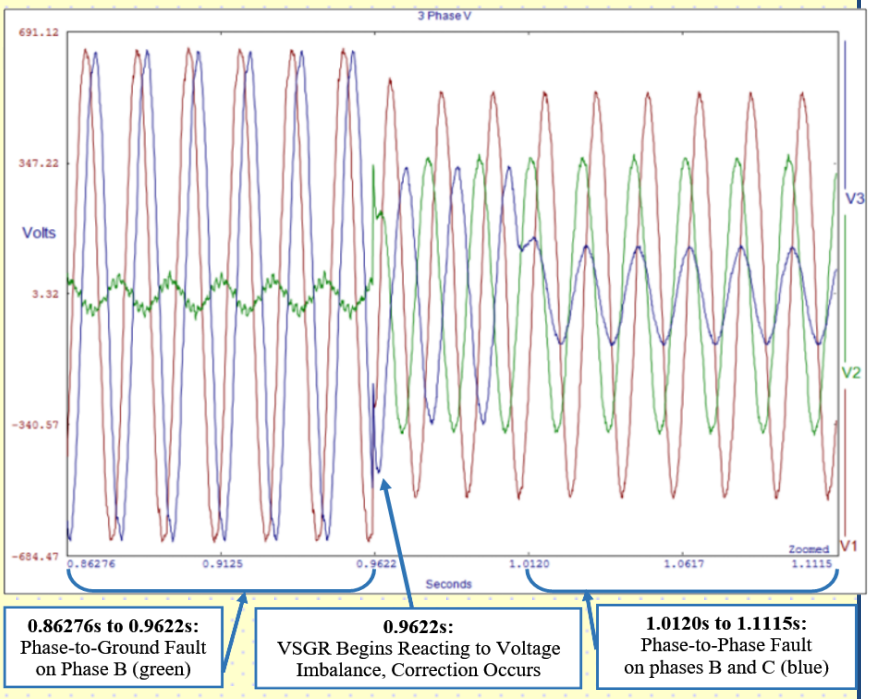
This is really important! The 2nd phase/ground fault does not go BOOM!

Phaseback VSGR closes at .9622 approx. What happened after that? ***Phaseback VSGR*** corrected the phase to ground fault. A second phase to ground fault tries to develop. Phaseback does not allow it. ***The ARC FLASH EVENT is prevented!***



See Ryan Davidson's explanation below. ***Good job Ryan!***

"When the phaseback closes, the secondary current in the transformer is common to all 3 phases, since they are in series. This means there is a voltage on the secondary that induces a voltage on the primary side to boost the voltage on that grounded phase. Then it looks like there is another fault. 2 phases are in sync so could they be shorted together here?" ***One Correction:** the two phases would short together without the ***Phaseback VSGR*.*** See next page for a different event with some interesting details that give a little better picture of how ***Phaseback VSGR*** fixes the problem.

www.phaseback.com

www.cycates.com

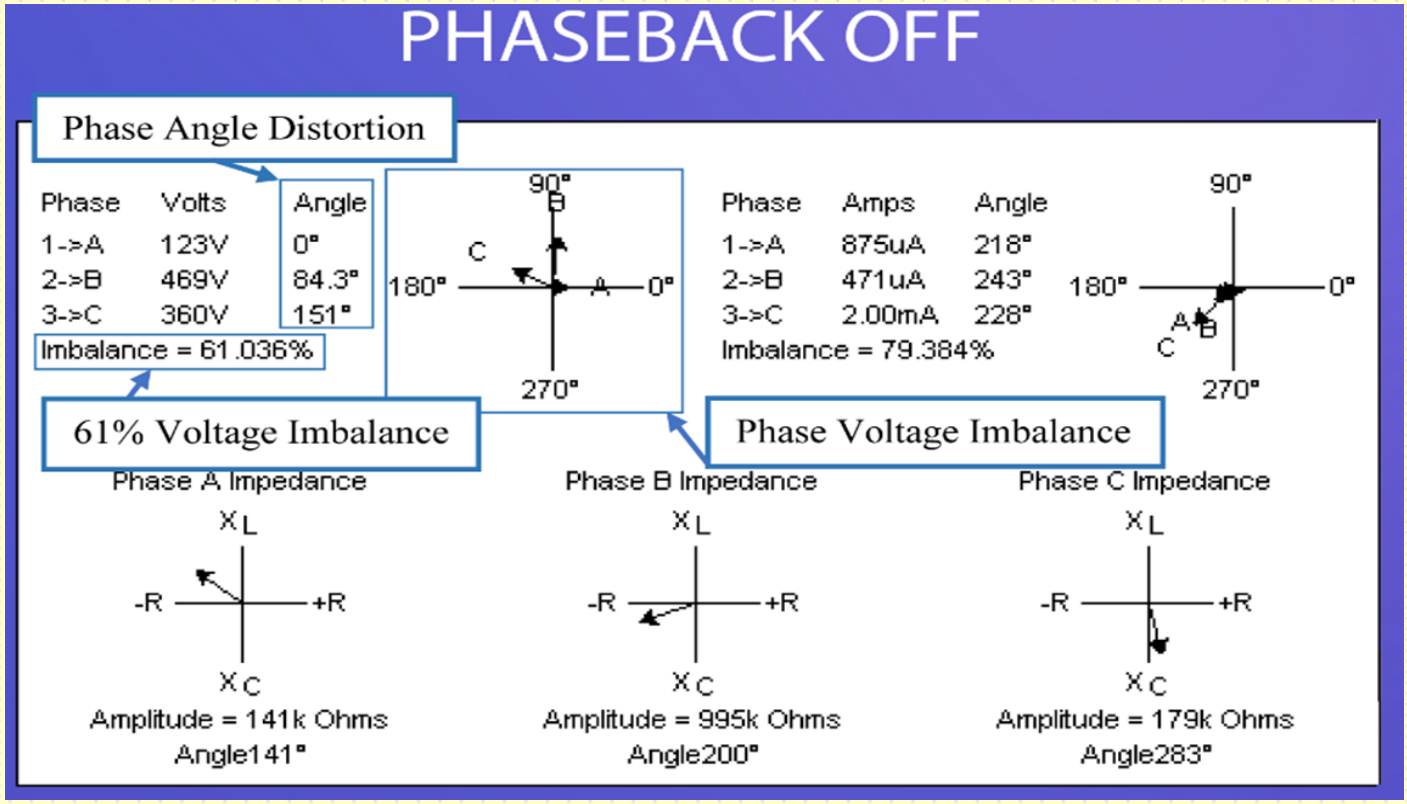
Cy Cates 832 647 4606cell cycates@cycates.com

It is important to understand that:

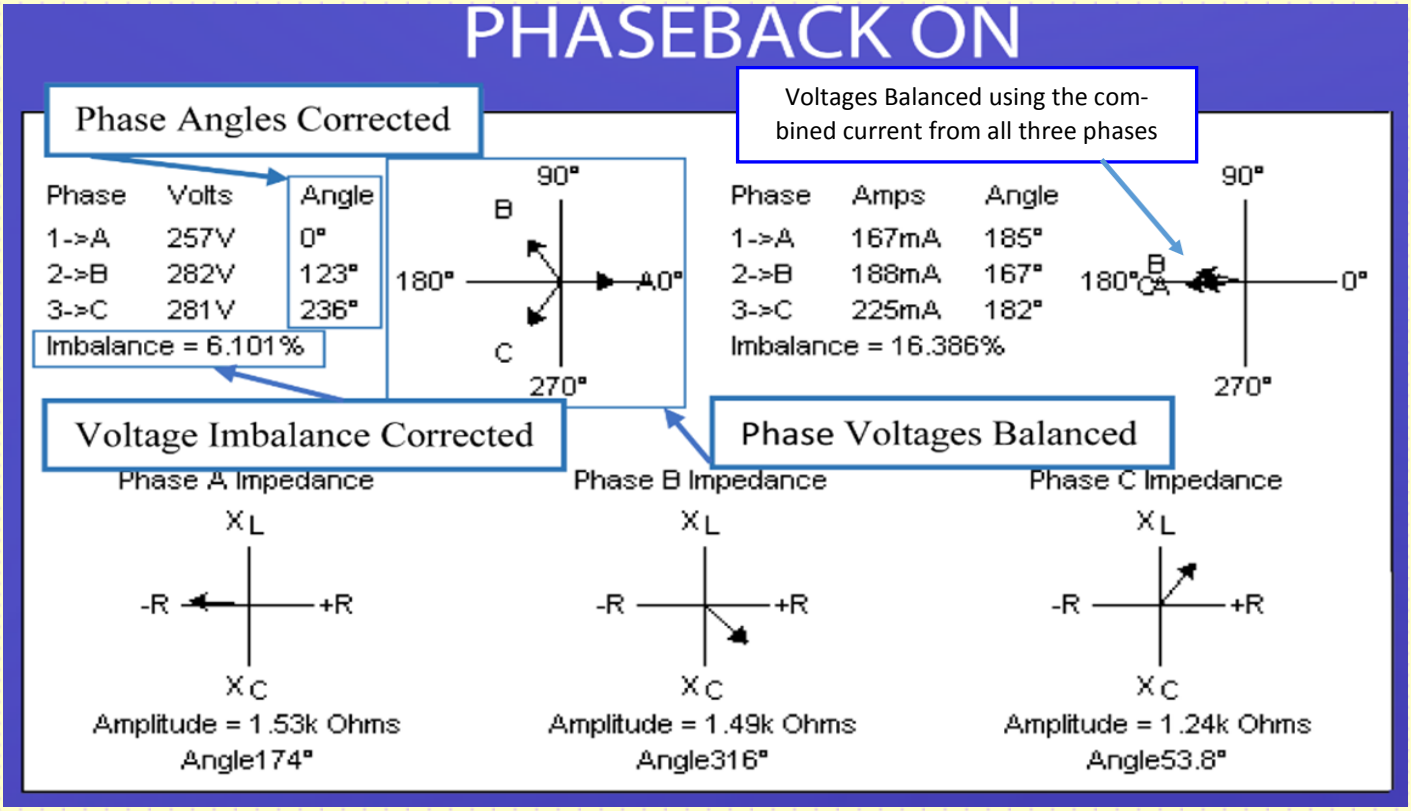
Ungrounded Systems– The second phase to ground fault is most likely an ARC FLASH in every case.

Grounded Wye Systems- The first phase to ground fault is likely to be an ARC FLASH in every case.

PHASEBACK OFF



PHASEBACK ON



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