**Western Area Power Administration Sierra Nevada Region**

**2009**

**Annual Ten-Year Transmission Plan Assessment Report**

**Report Attachment 5**

**NERC Planning Standard TPL-003**

**October 30, 2009**

For information or questions regarding this Transmission Assessment Report, please contact Larry Tobias via (916) 353-4766 or email at [Tobias@wapa.com](mailto:Tobias@wapa.com)

## Attachment 5: Category C (NERC Planning Standard TPL-003): Double Element Outages, (N-2) Power Flow , Post-Transient and Dynamic Stability Plots

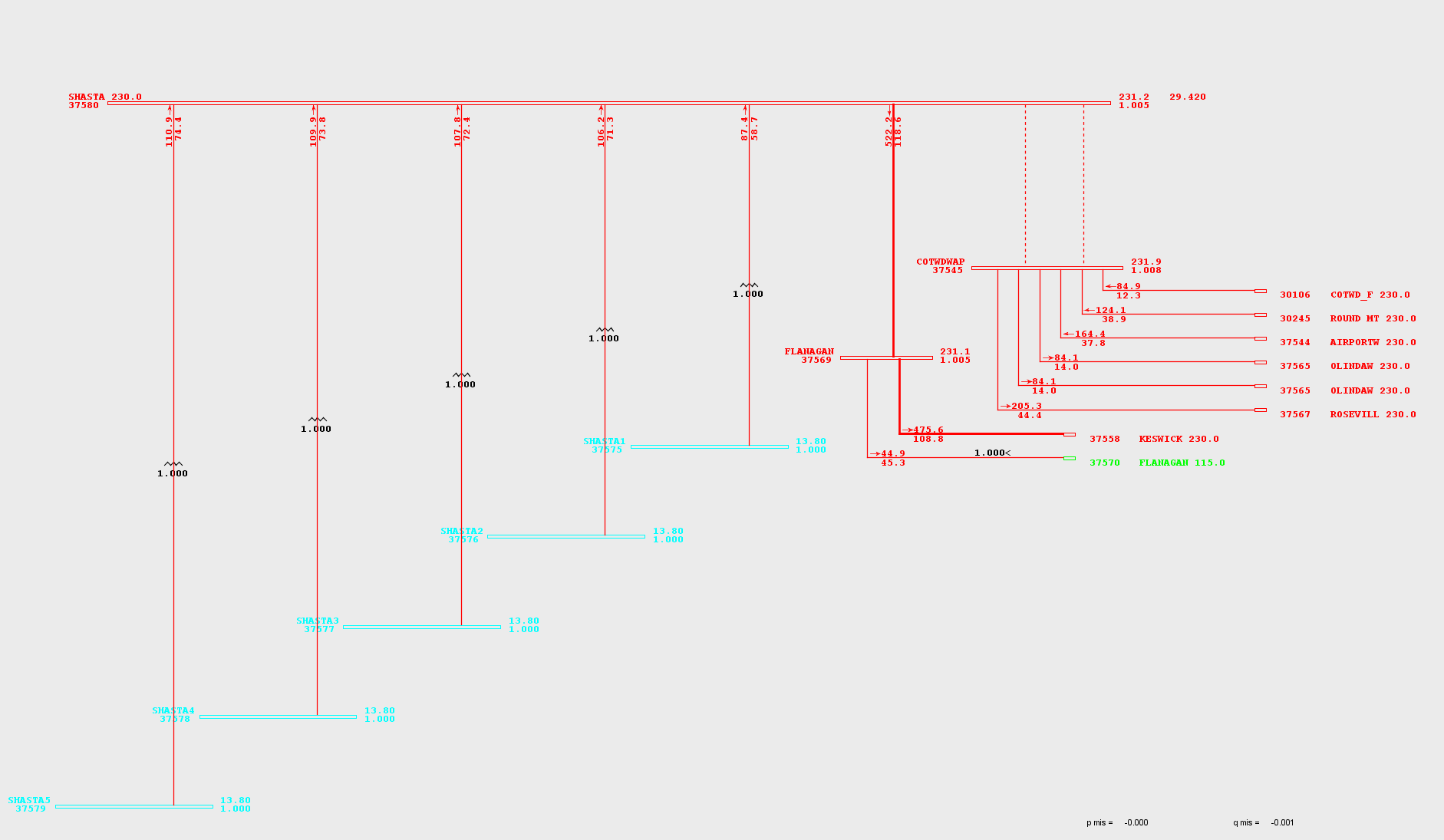


Figure 5-1

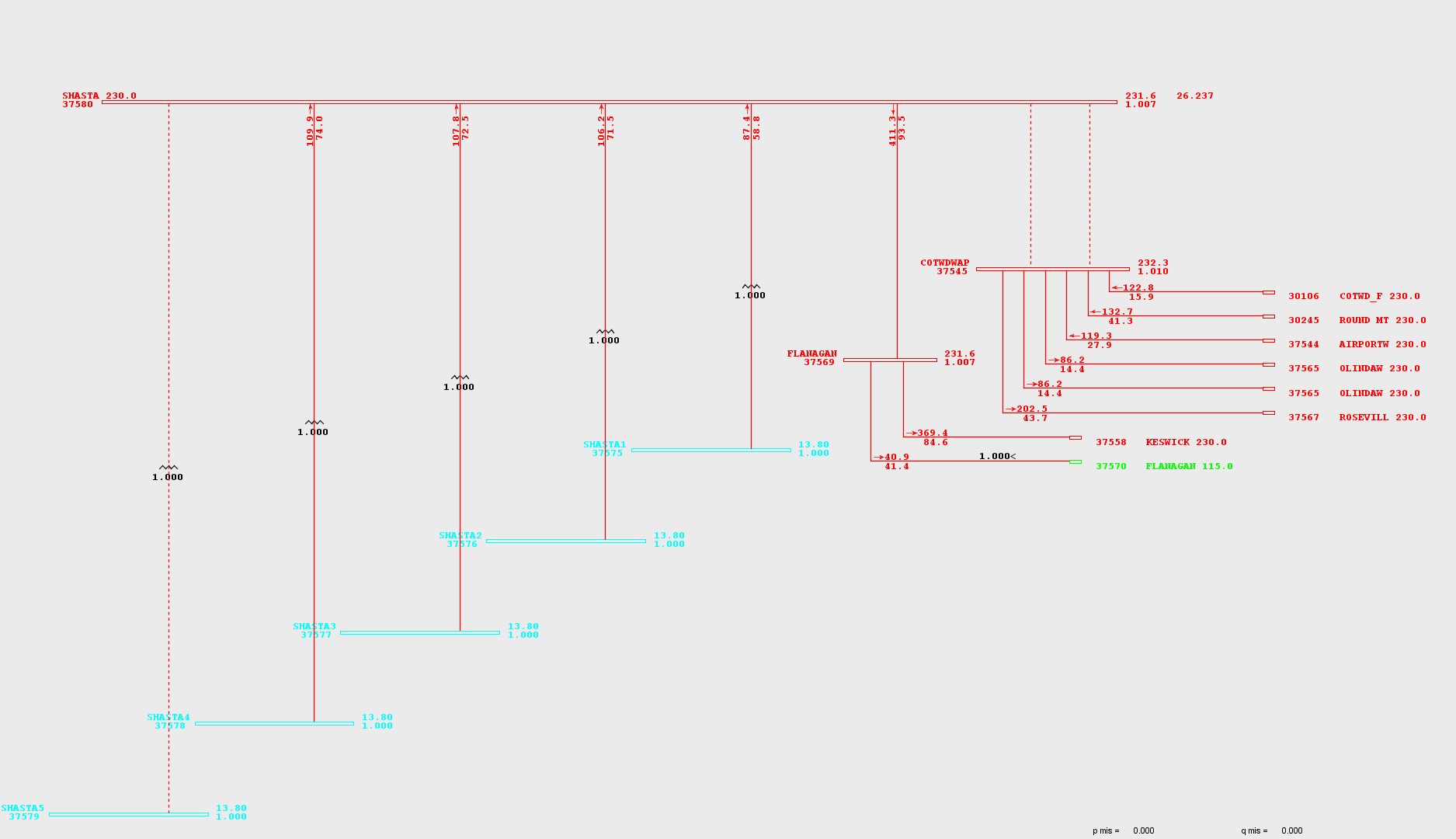


Figure 5-2

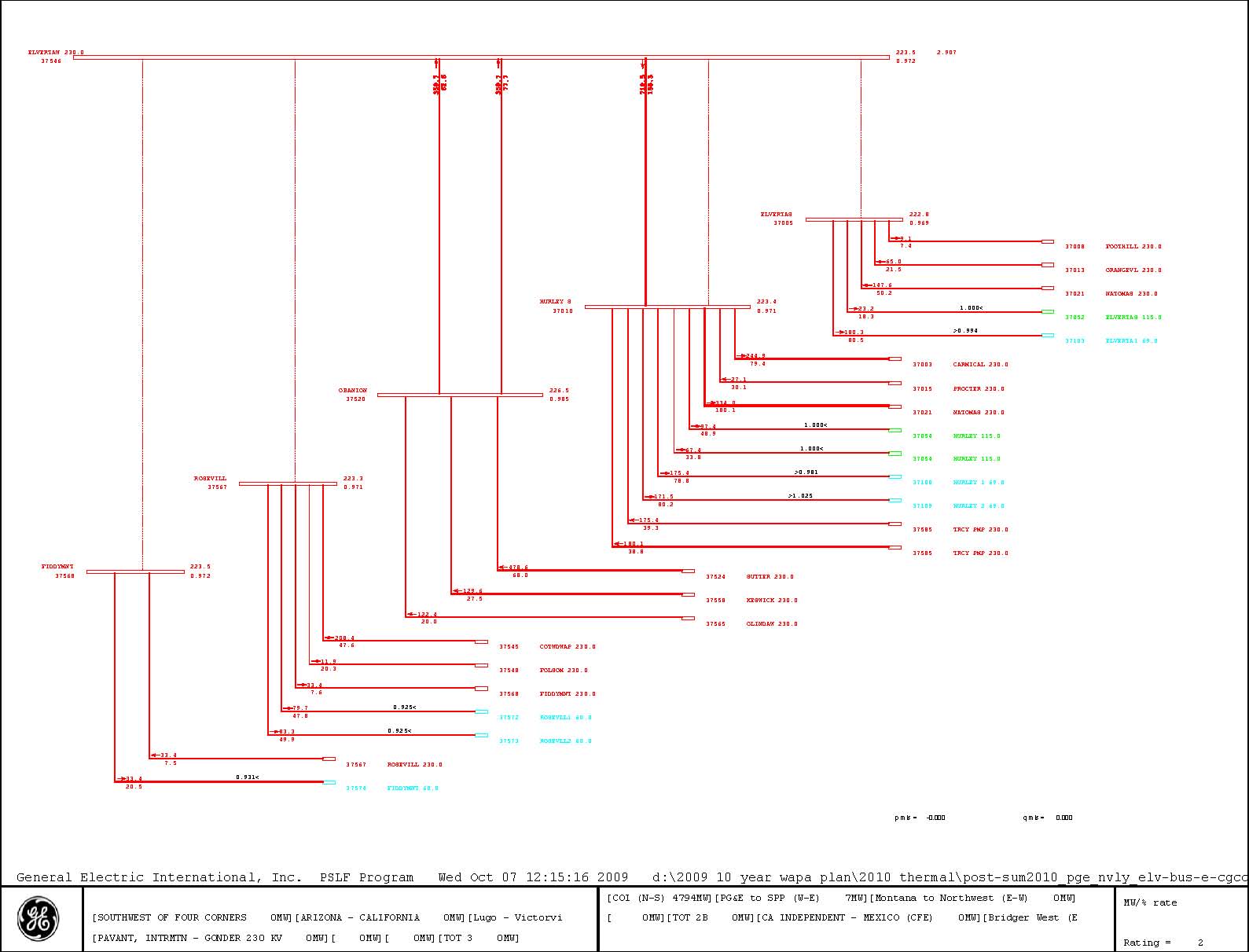


Figure 5-3

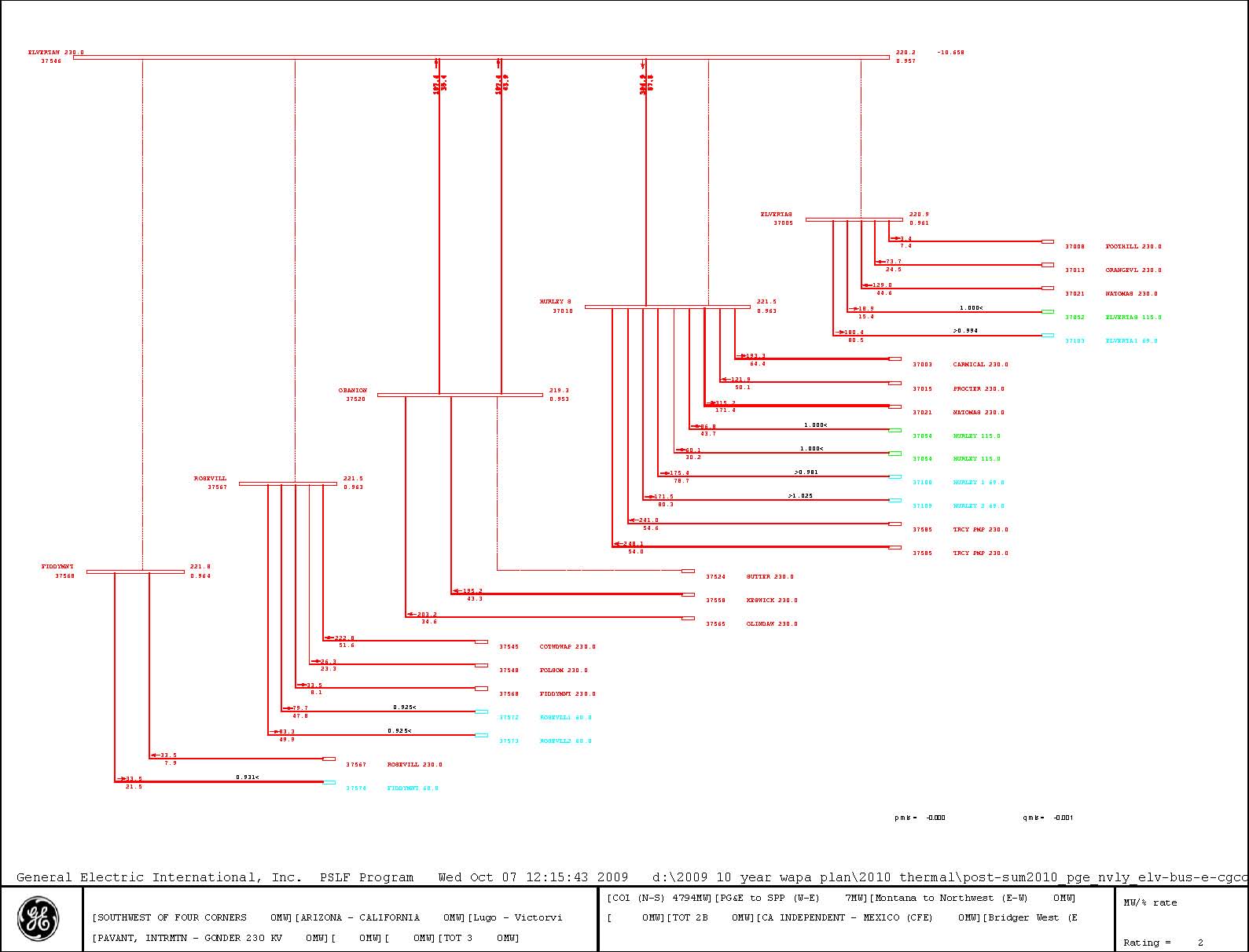


Figure 5-4

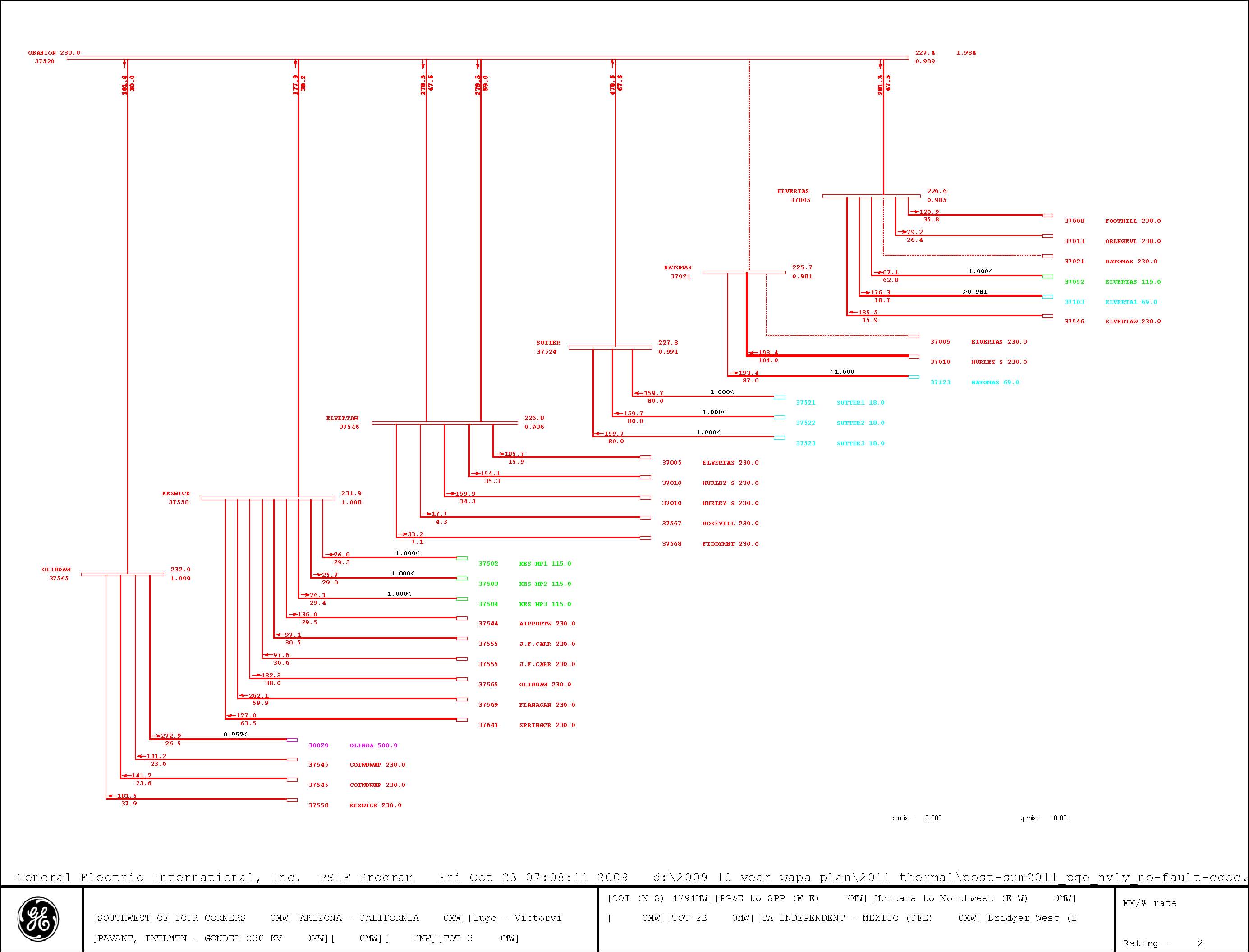


Figure 5-5

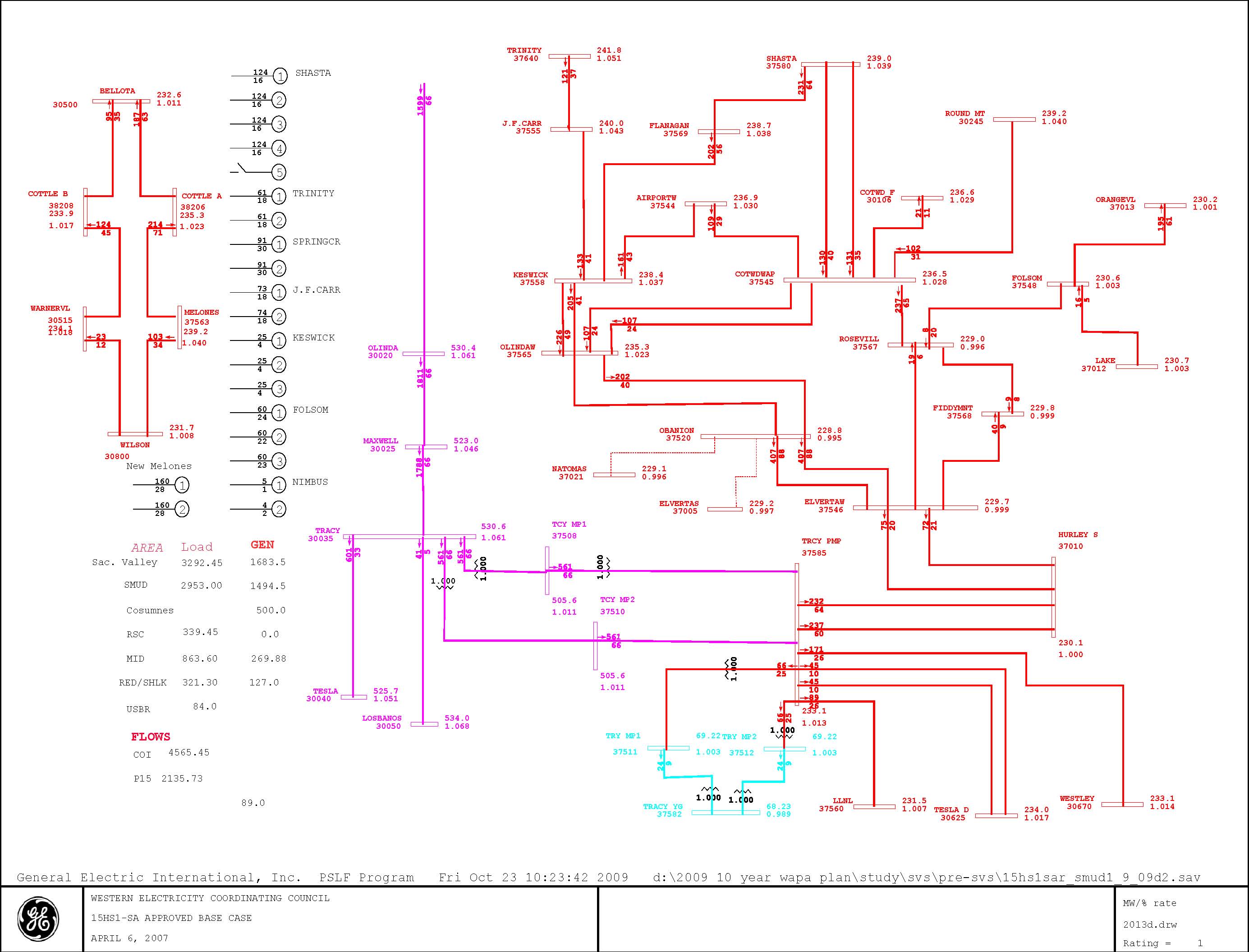


Figure 5-6

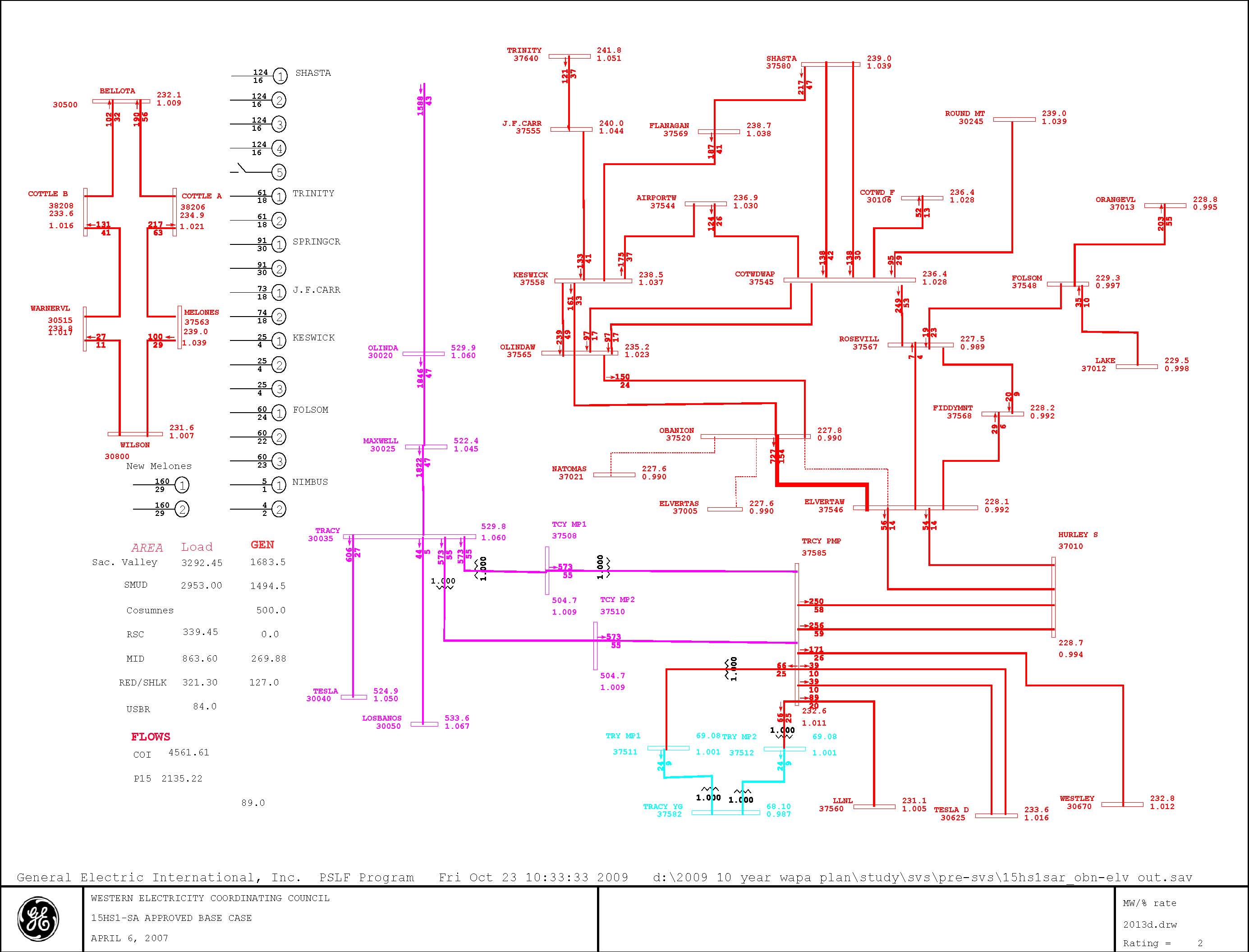


Figure 5-7

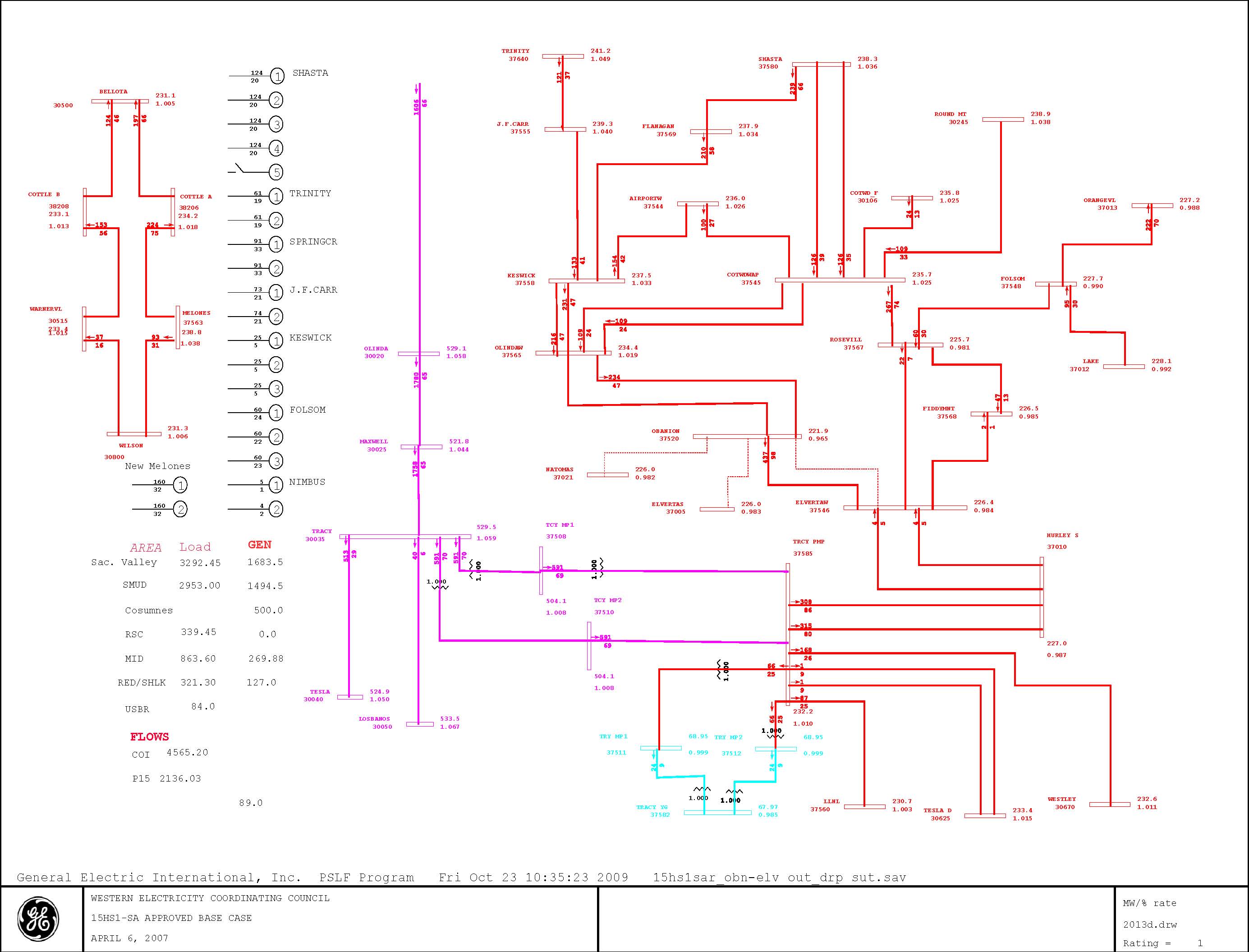


Figure 5-8

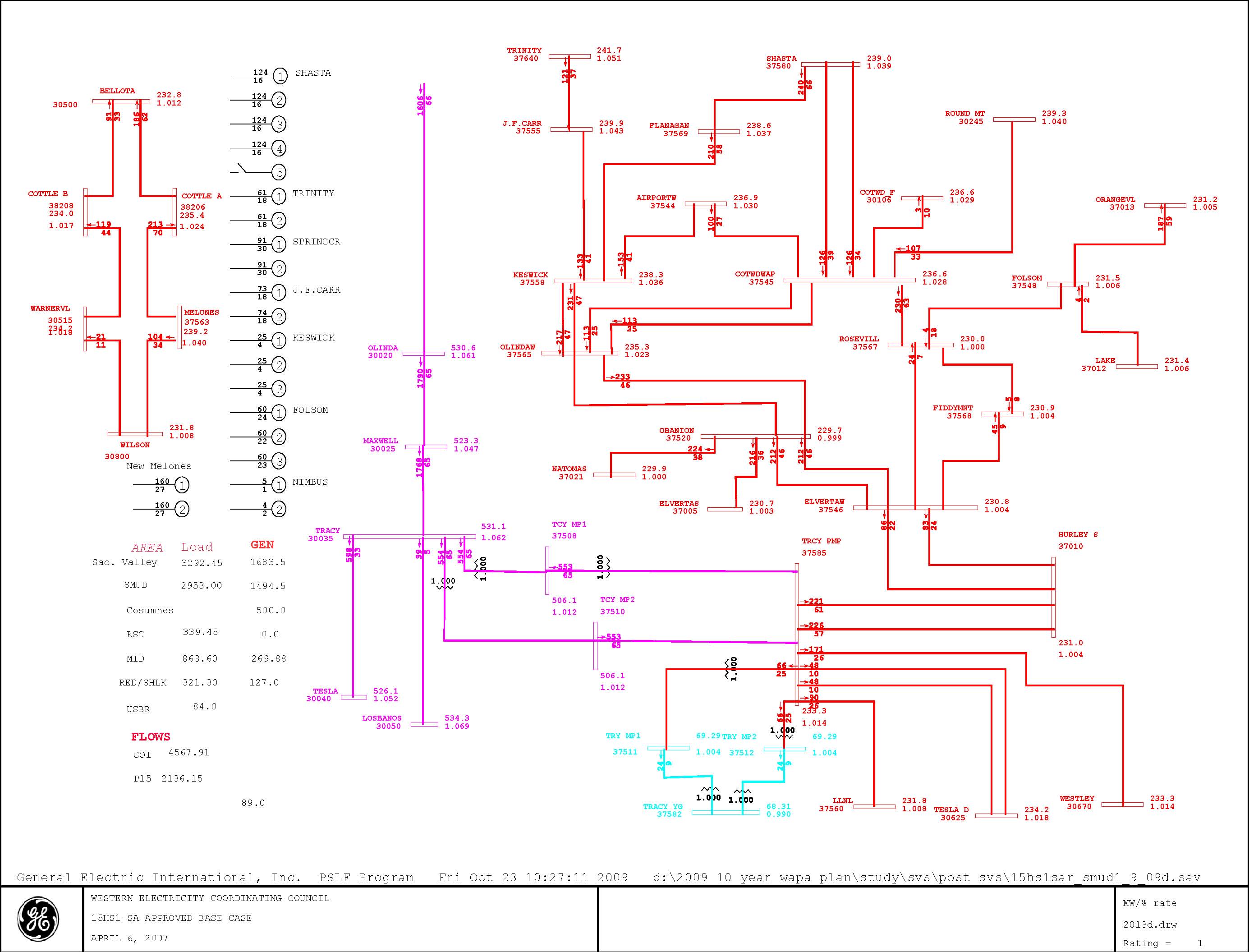


Figure 5-9

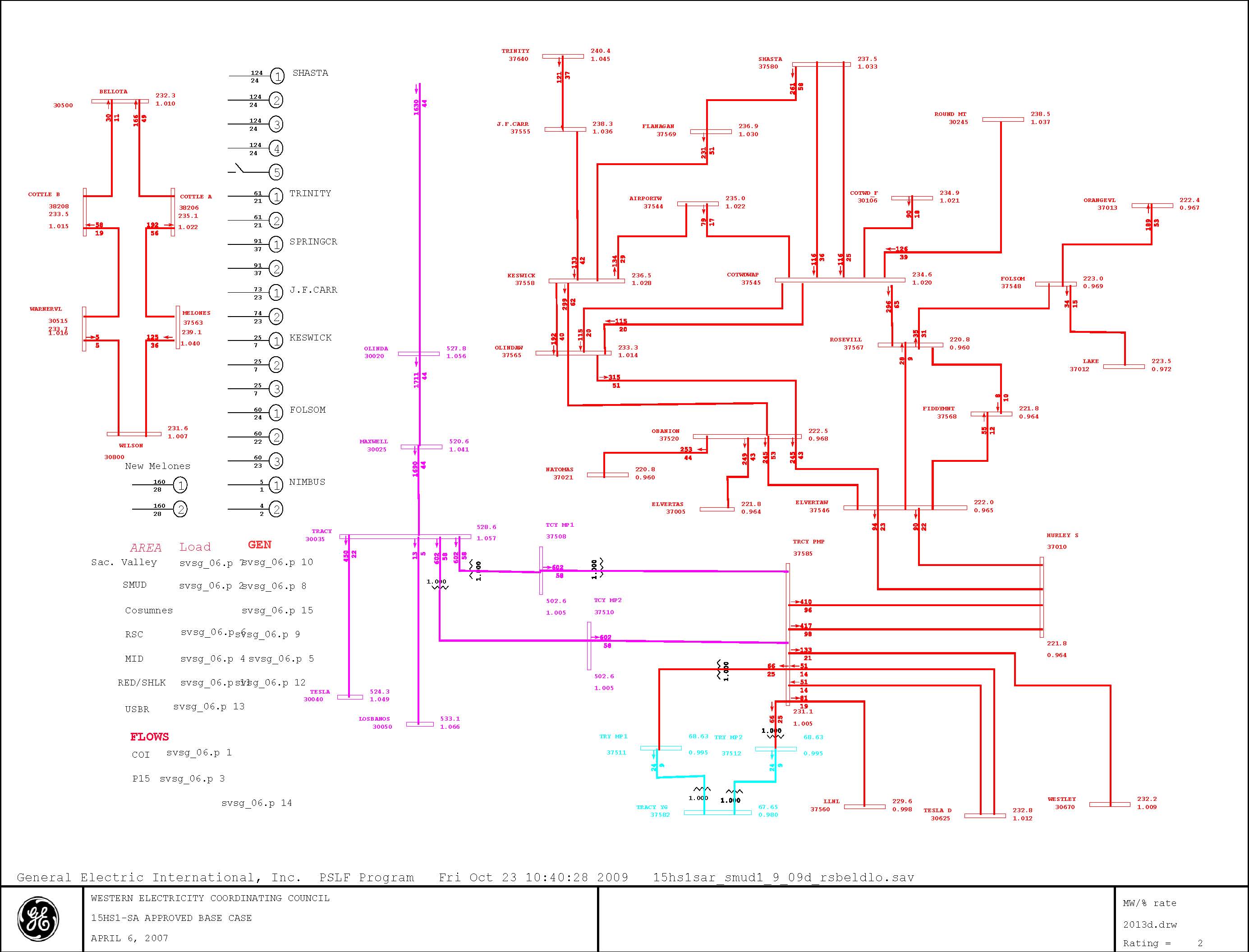


Figure 5-10

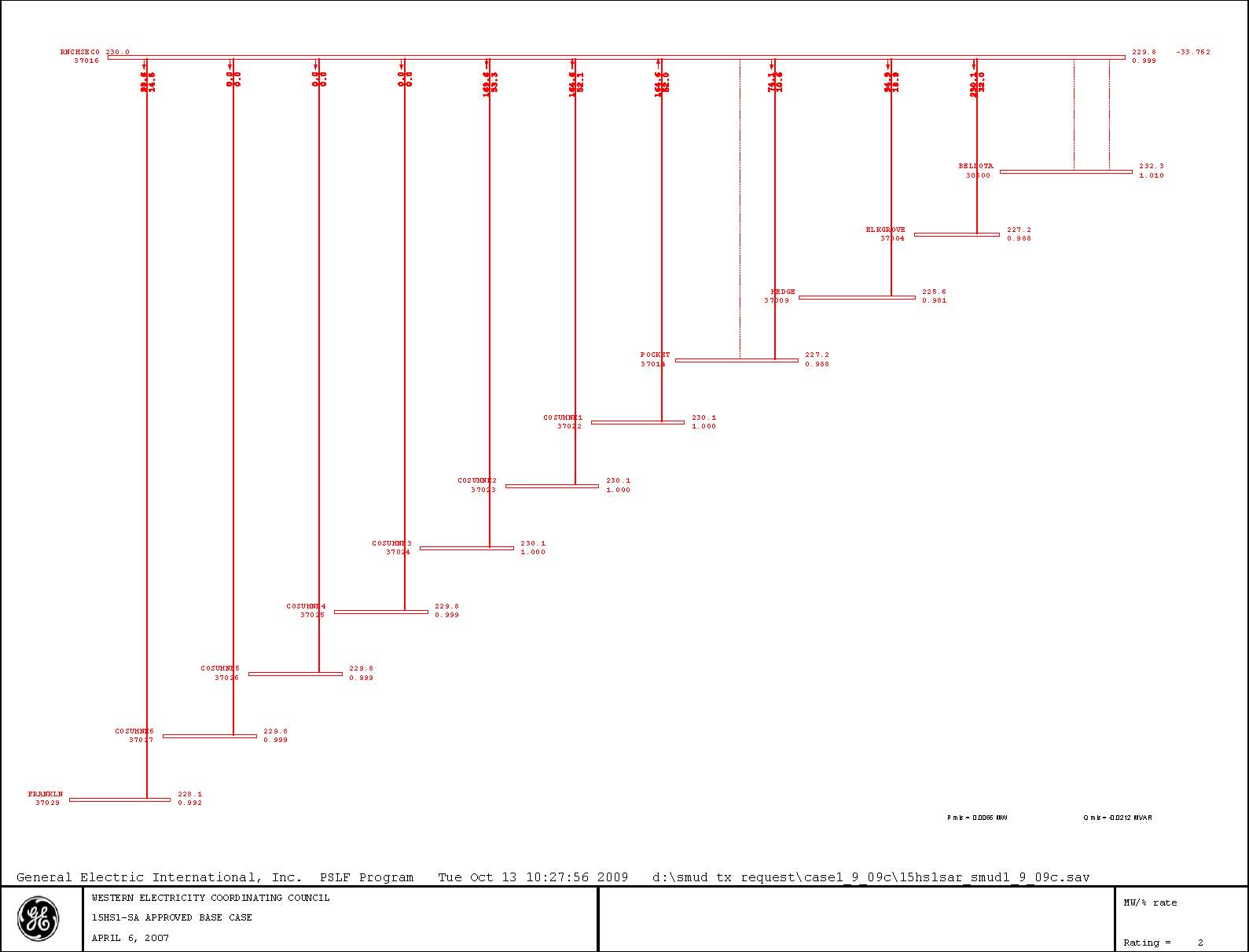


Figure 5-11

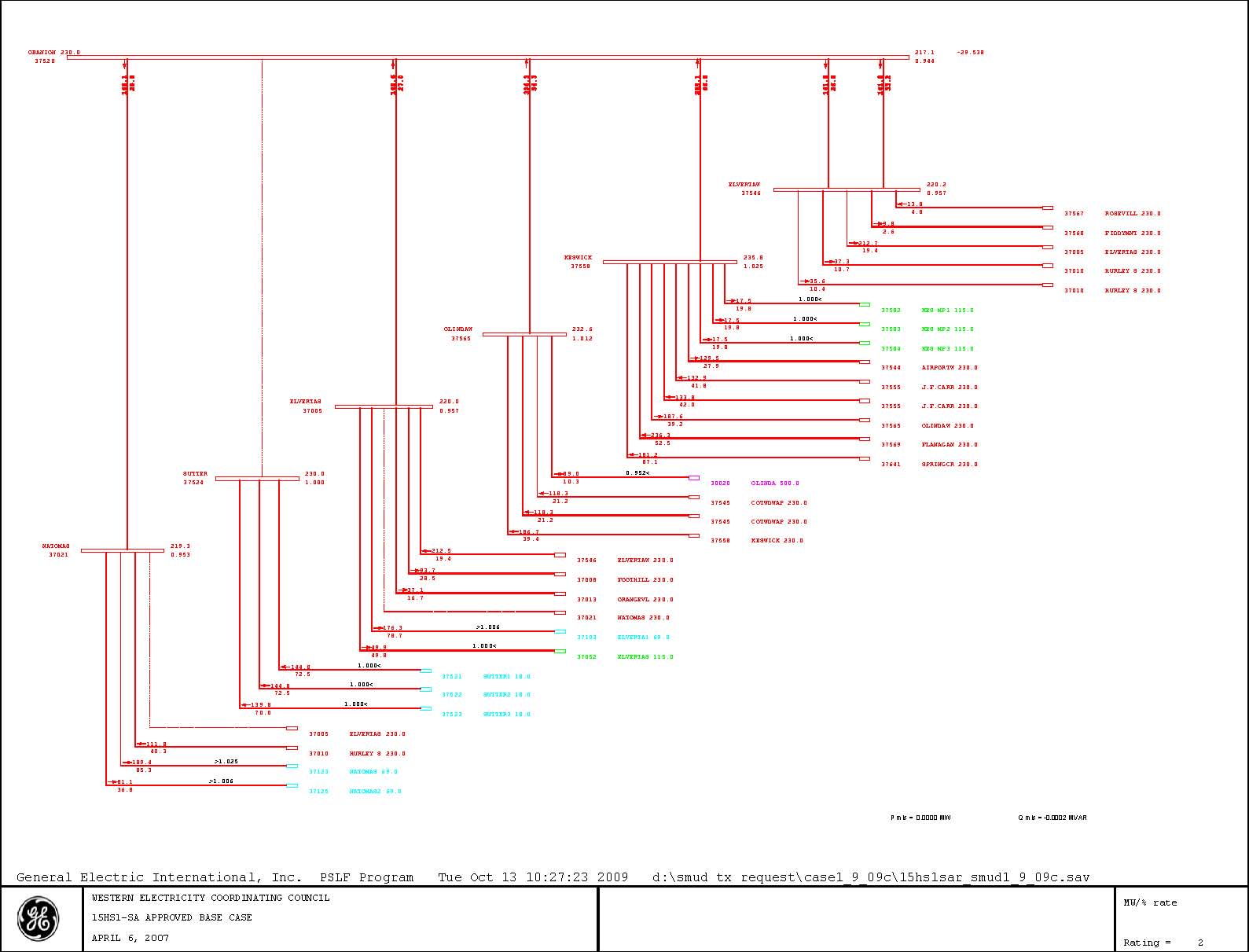


Figure 5-12

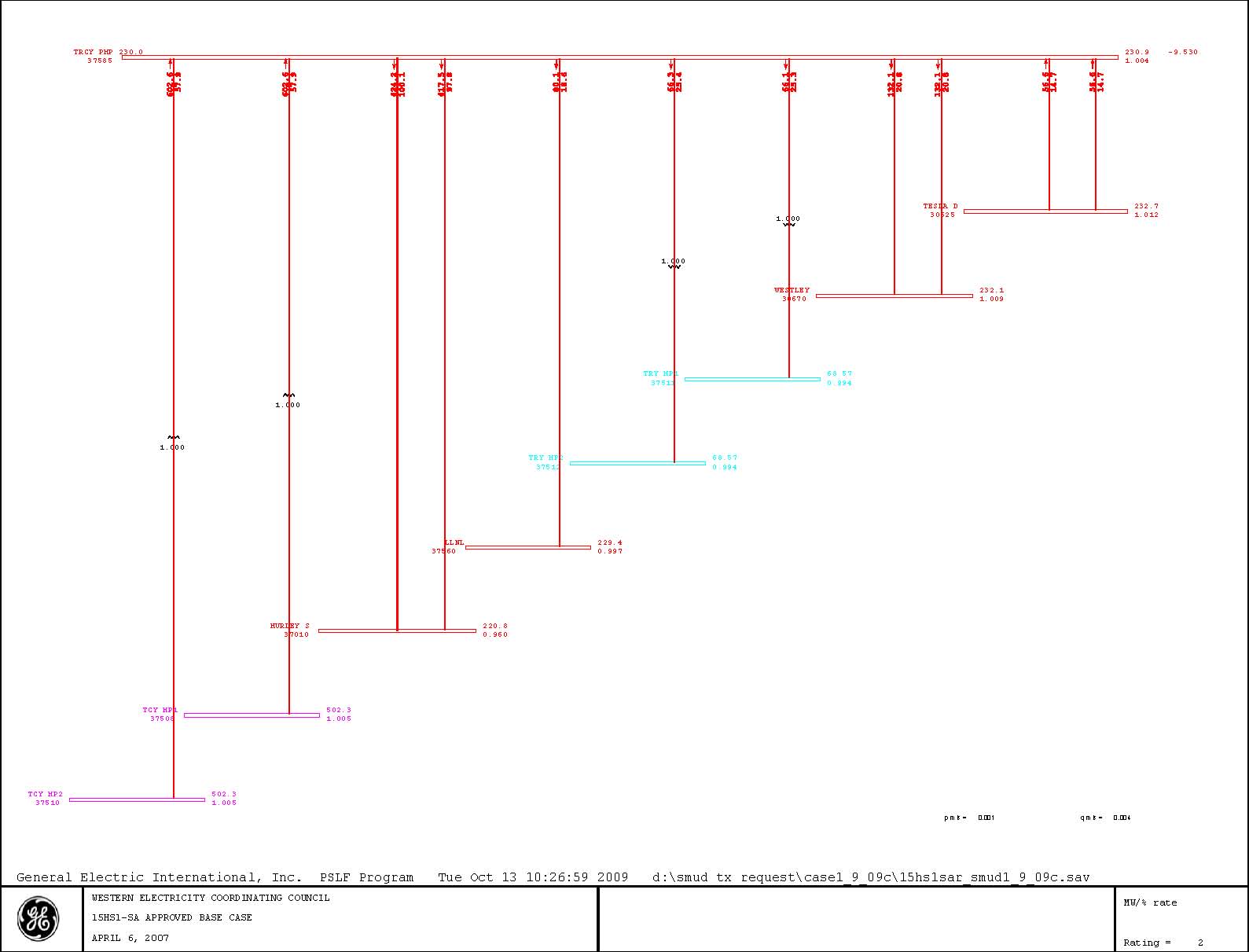


Figure 5-13

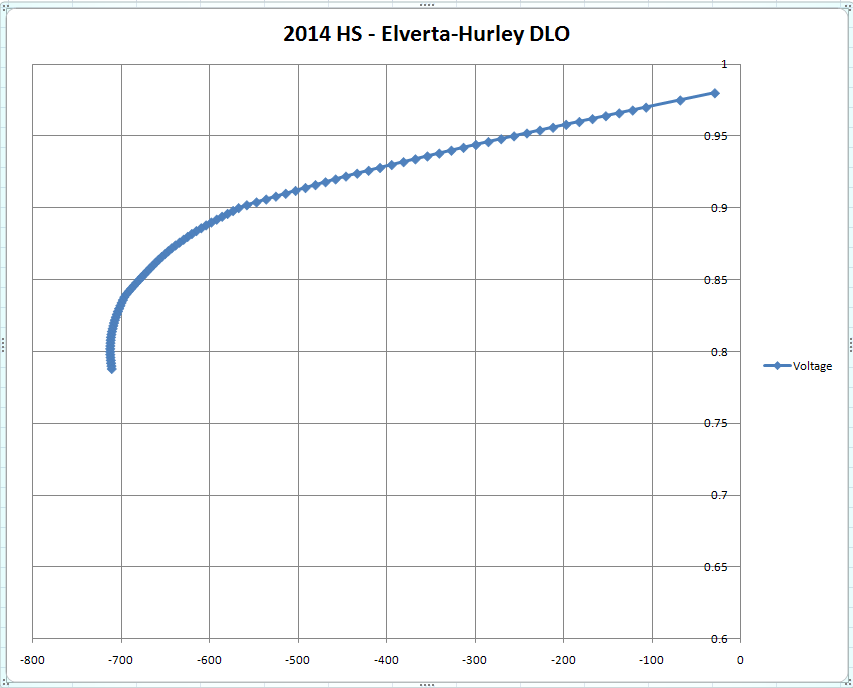


Figure 5-14 ElvertaW Voltage

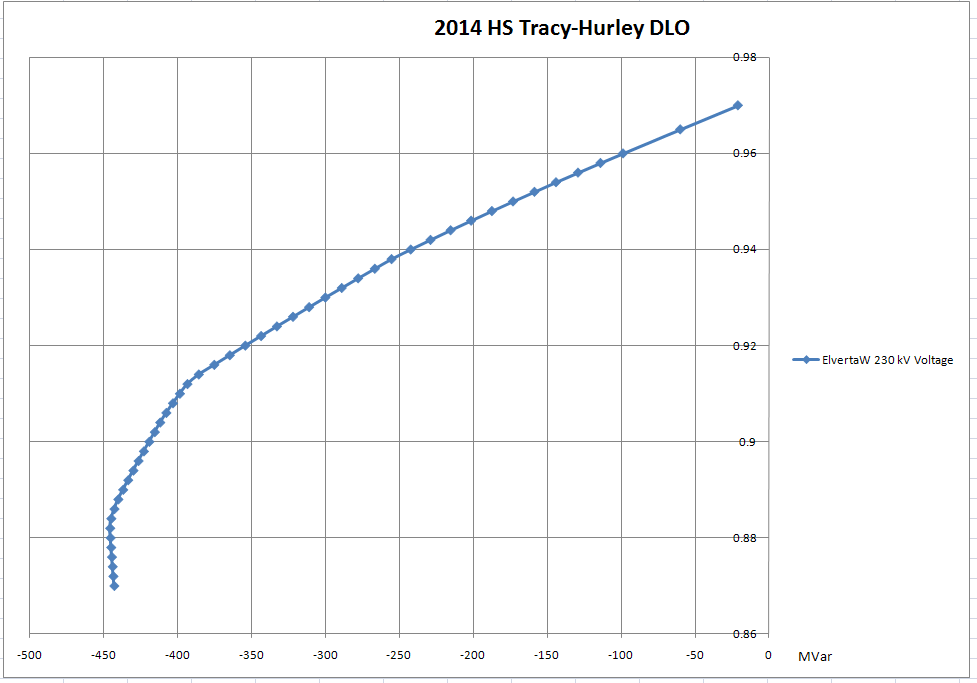


Figure 5-15 ElvertaW Voltage

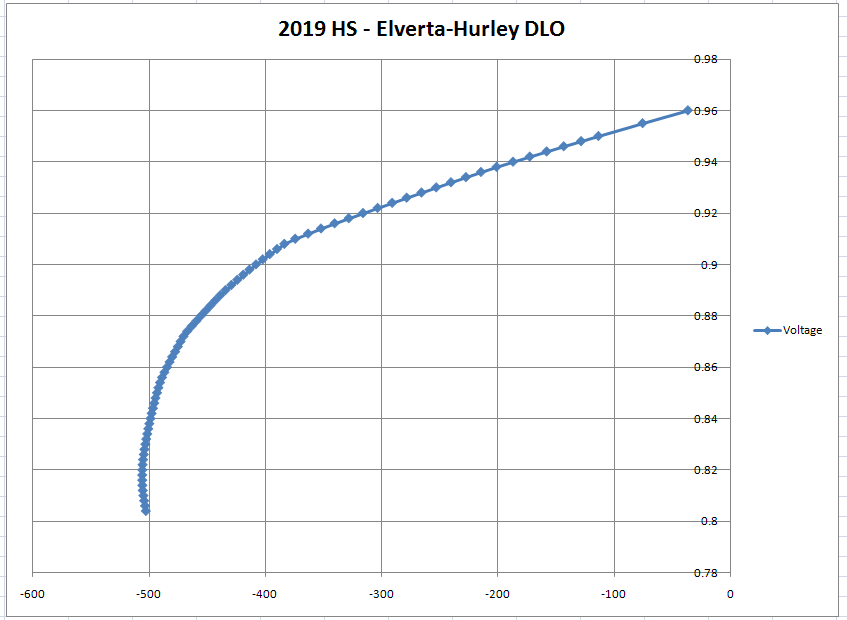


Figure 5-16 ElvertaW Voltage

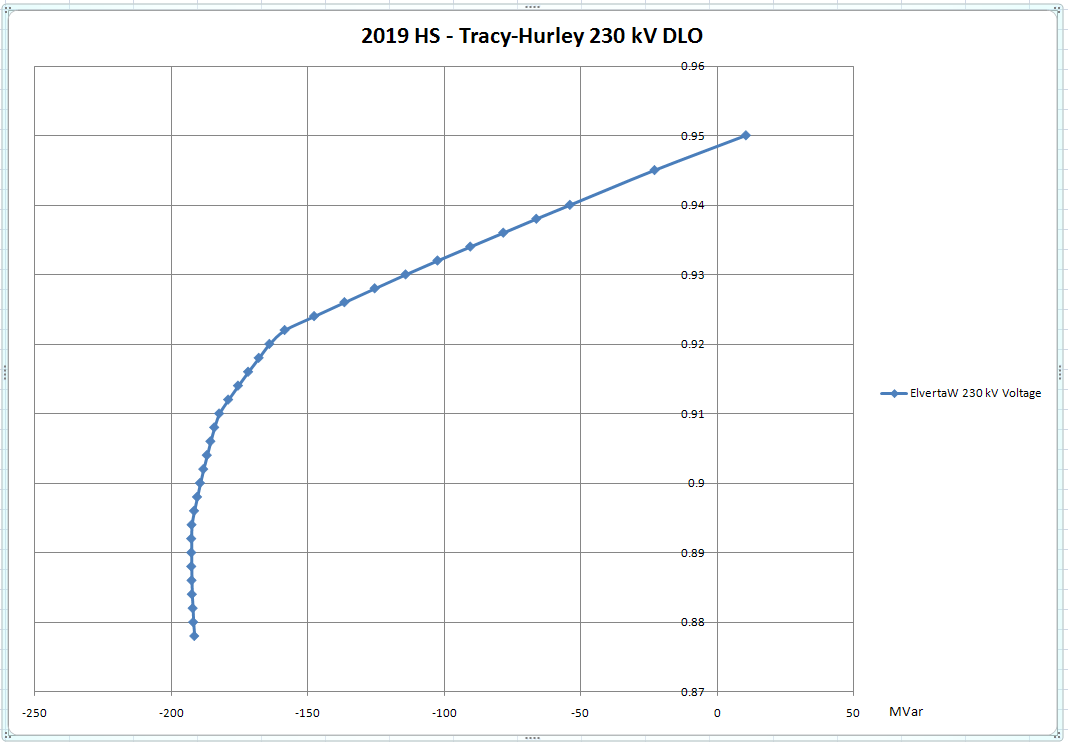


Figure 5-17 ElvertaW Voltage

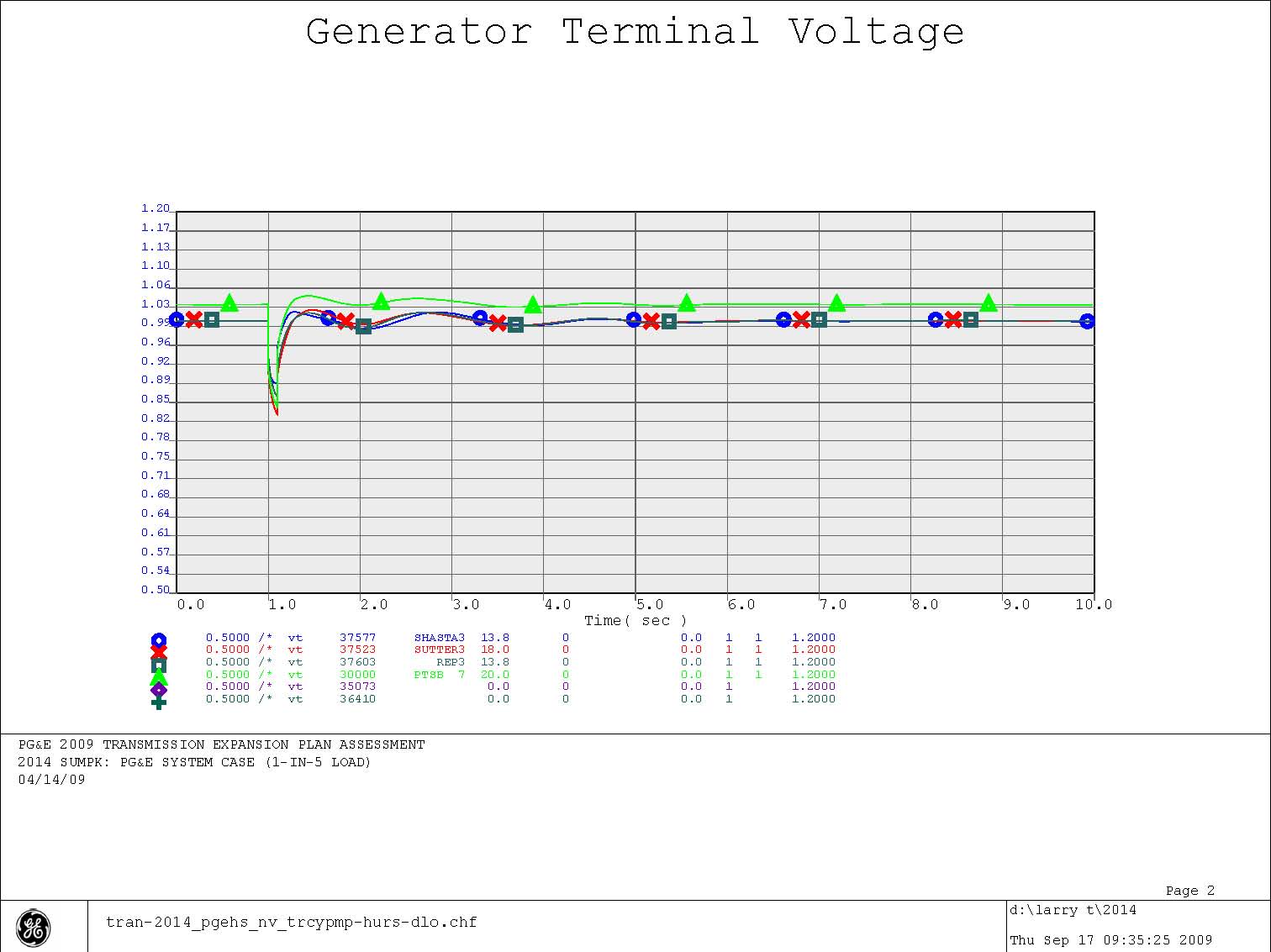


Figure 5-18

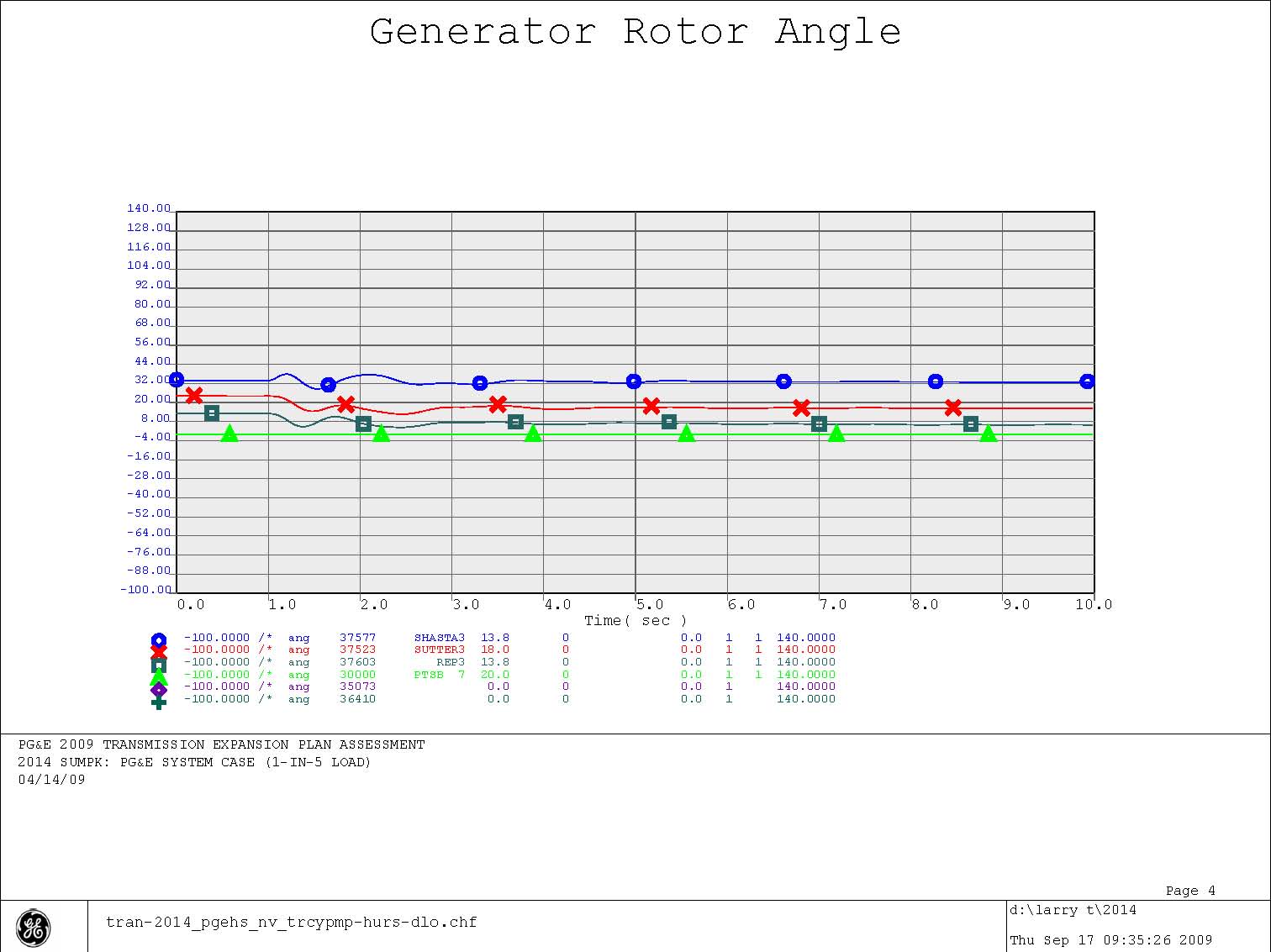


Figure 5-19

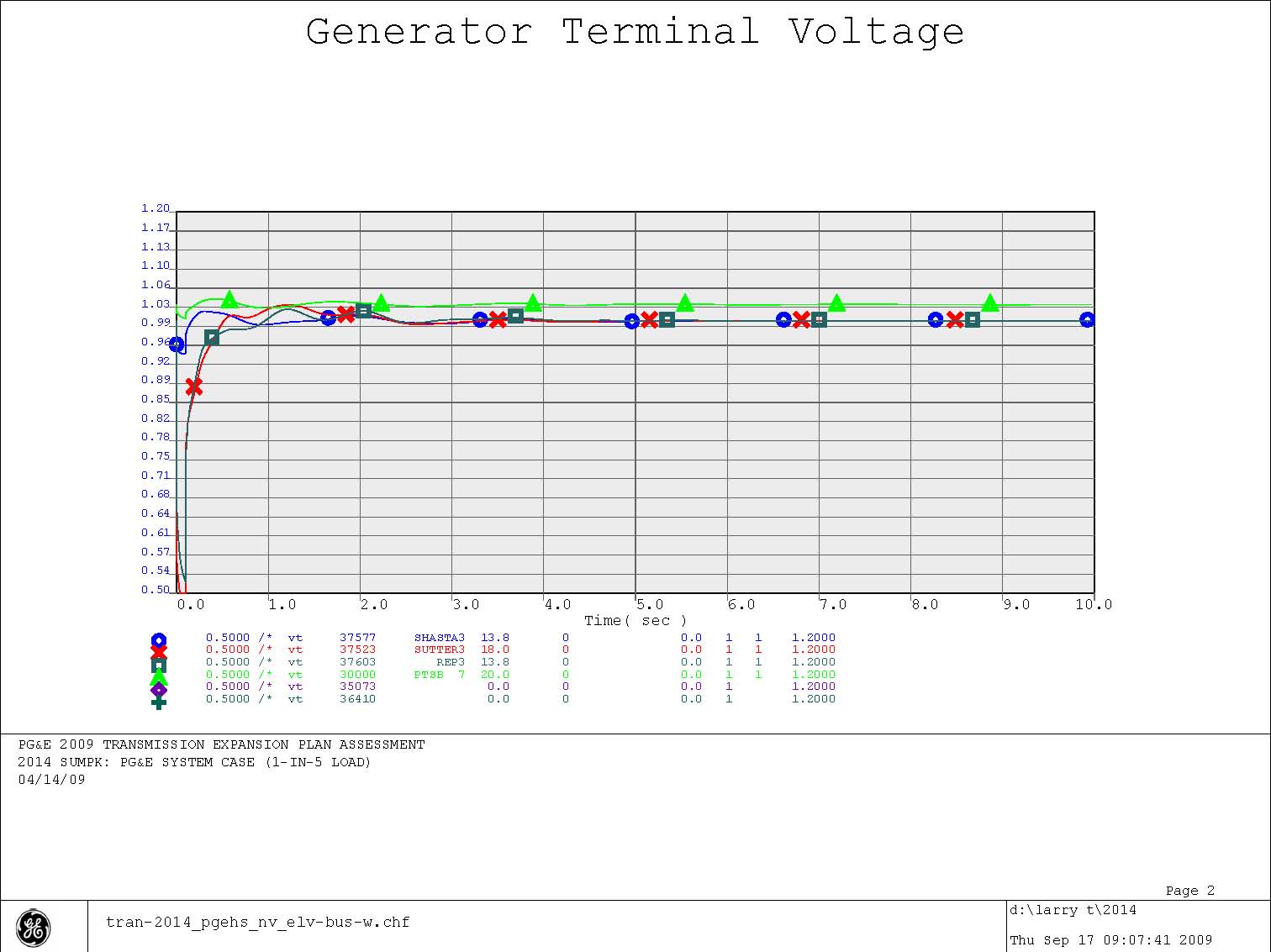


Figure 5-20

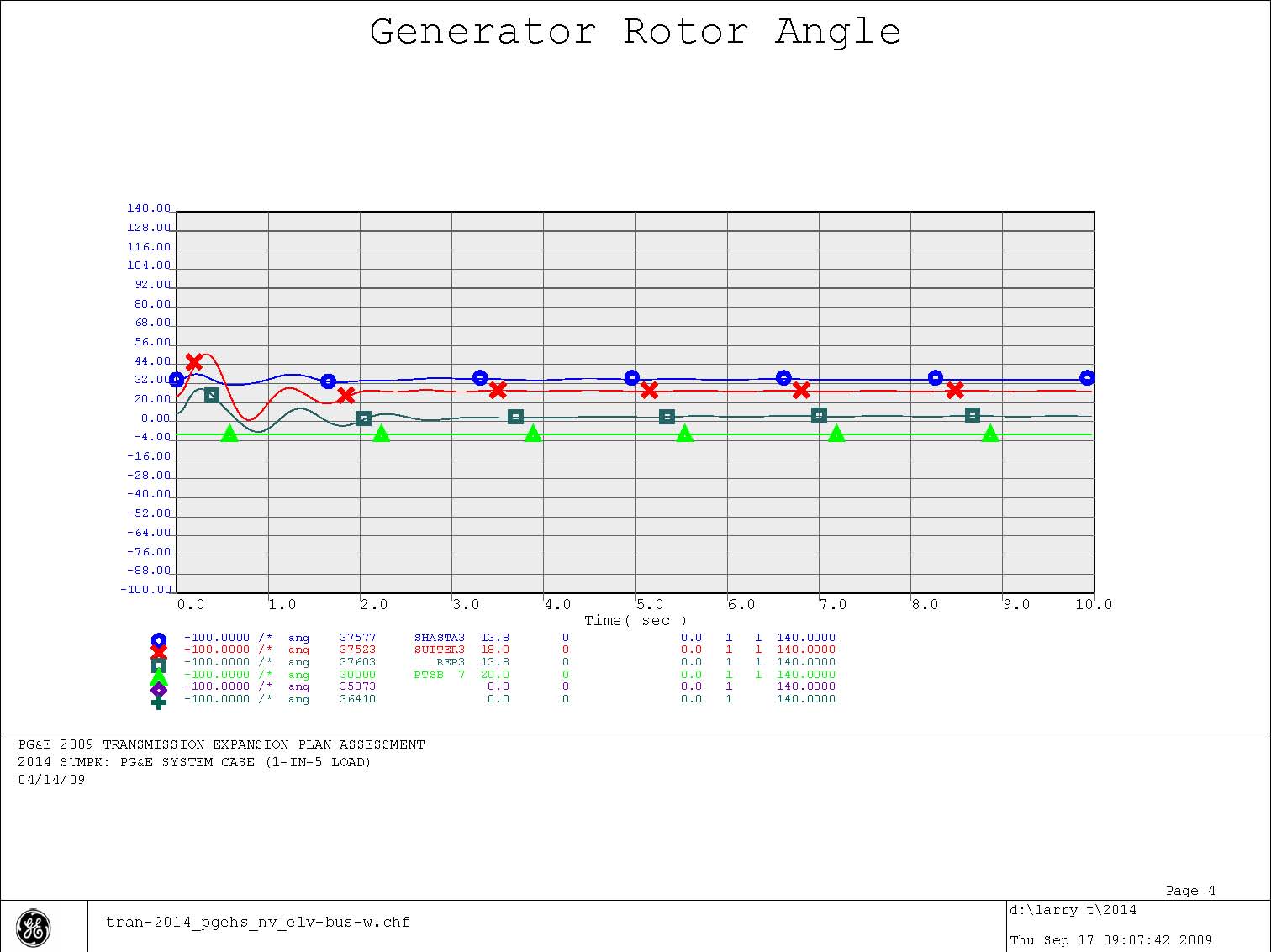


Figure 5-21

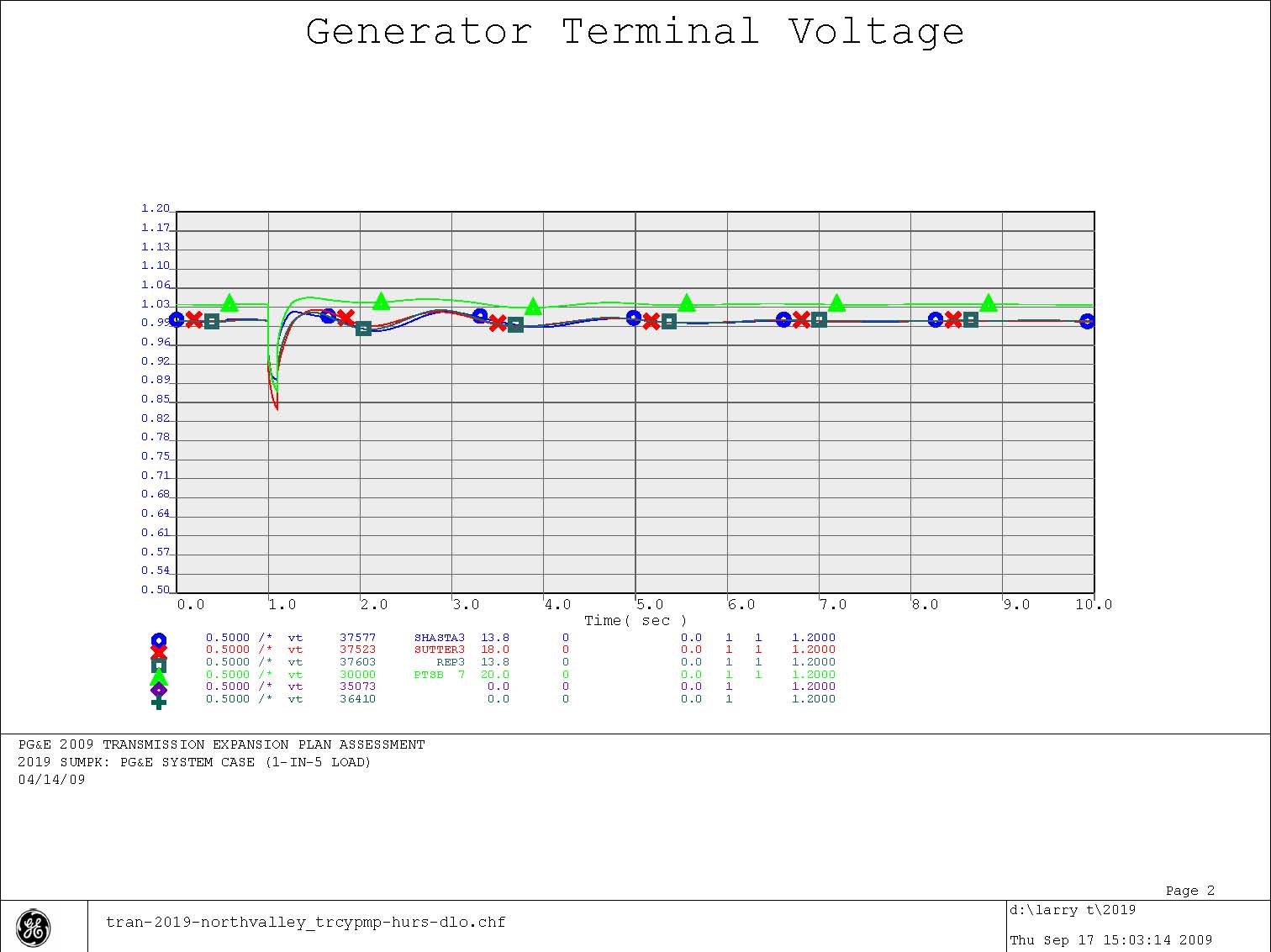


Figure 5-22

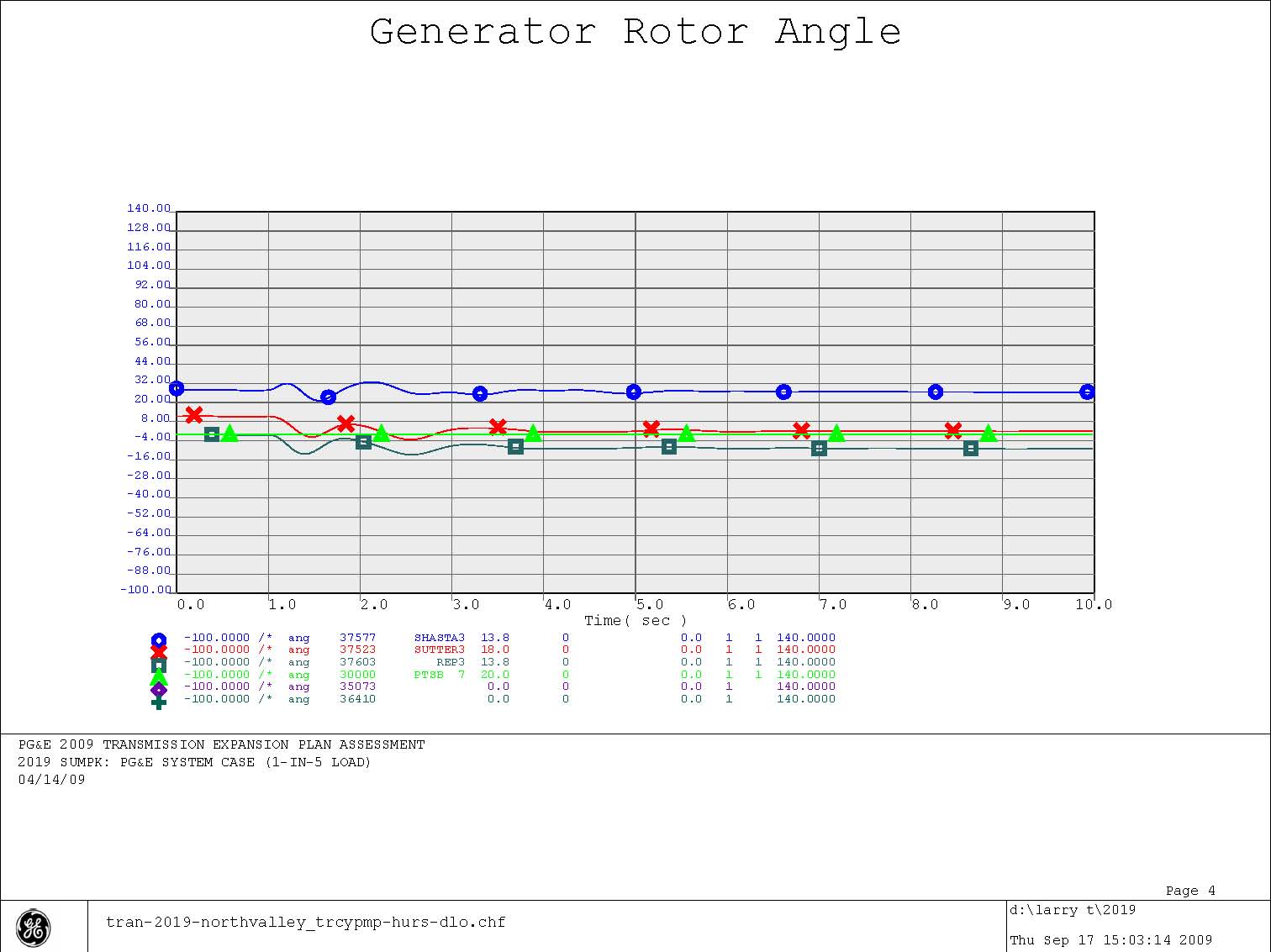


Figure 5-23

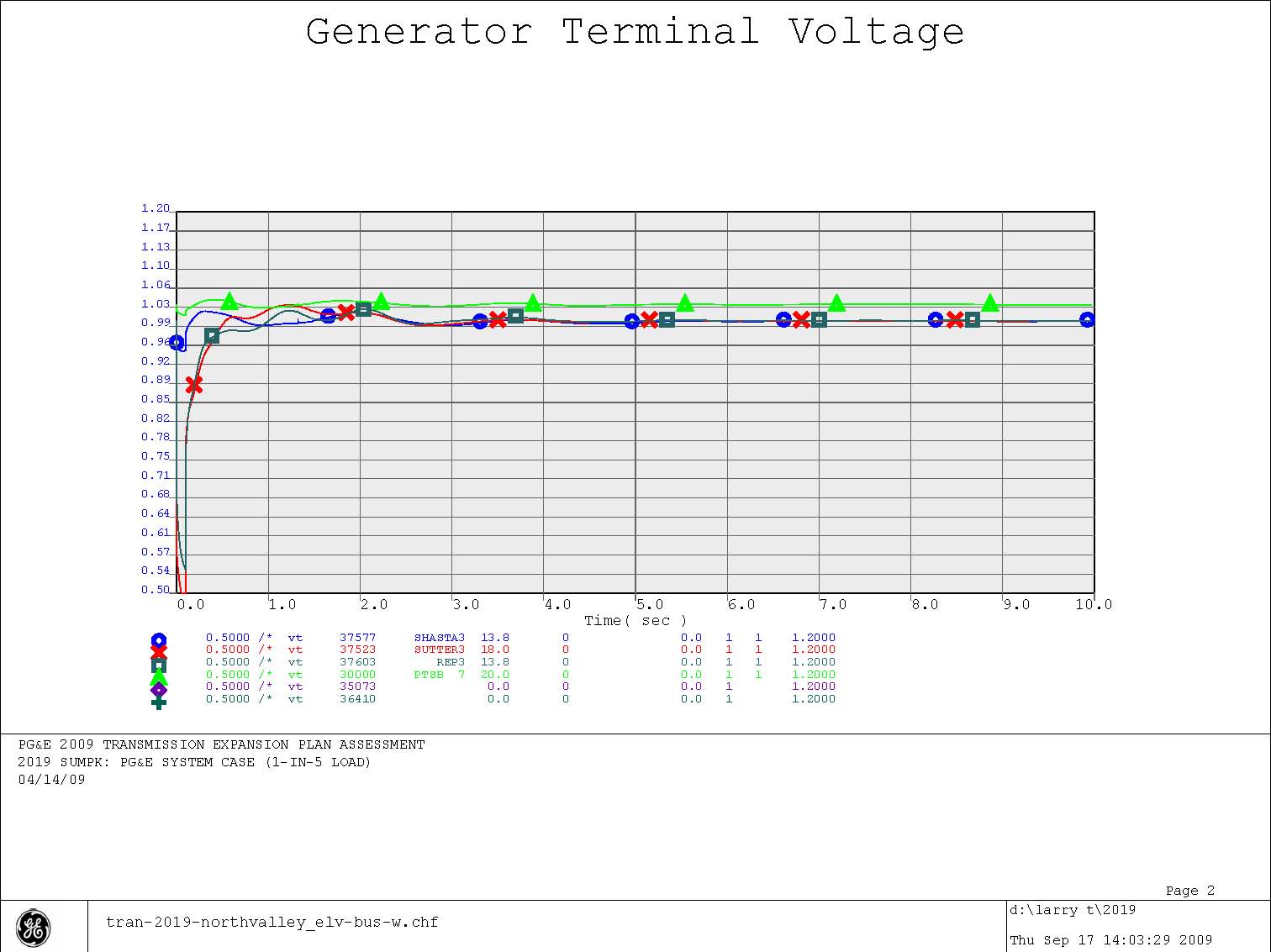


Figure 5-24

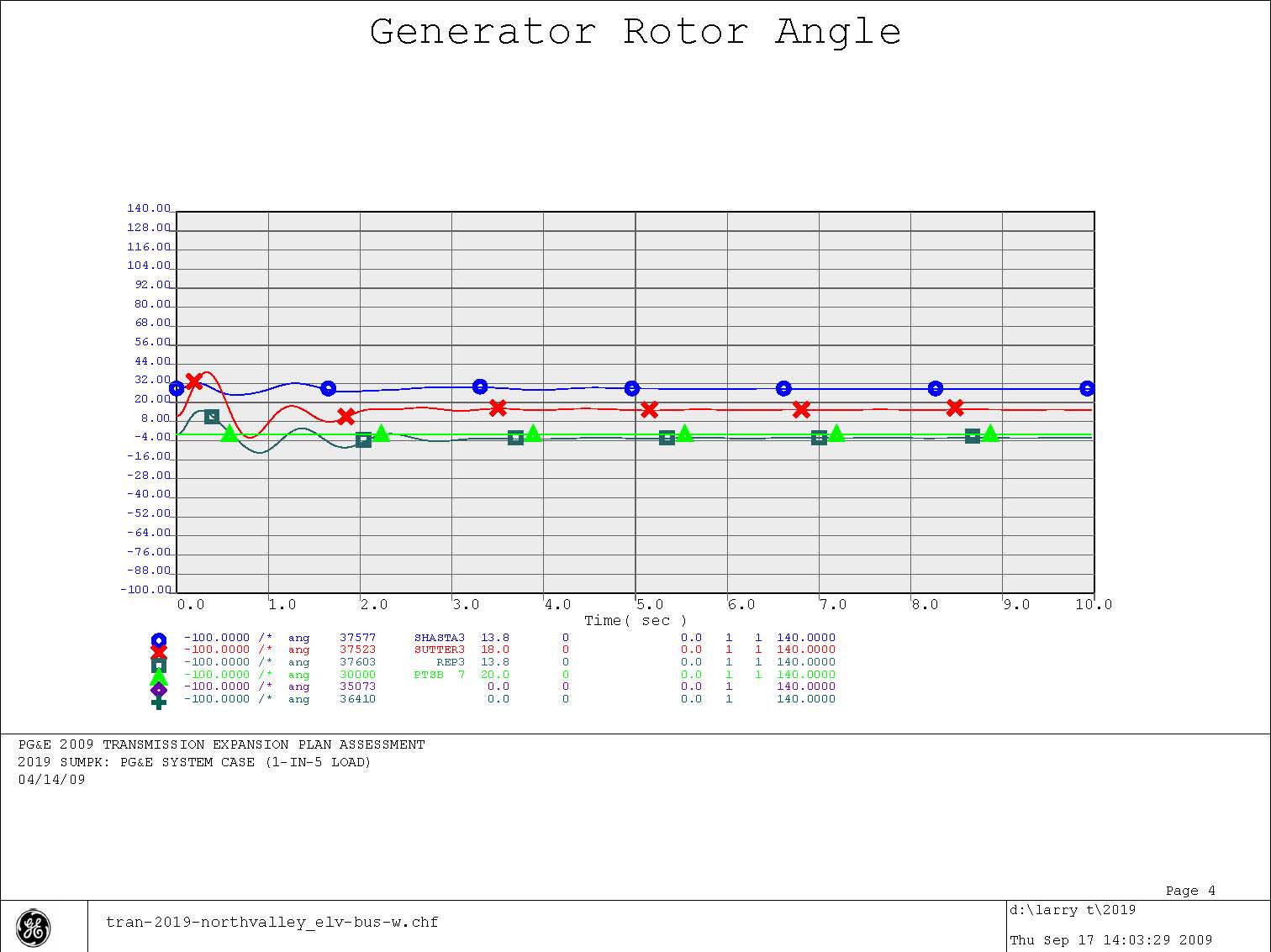


Figure 5-25