**Western Area Power Administration Sierra Nevada Region**

**2009**

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

**Report Attachment 4**

**NERC Planning Standard TPL-002**

**October 30, 2009**

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## Attachment 4: Category B (NERC Planning Standard TPL-002): Single Element Outage, (N-1) Includes Power Flow, Post-Transient and Dynamic Stability Plots

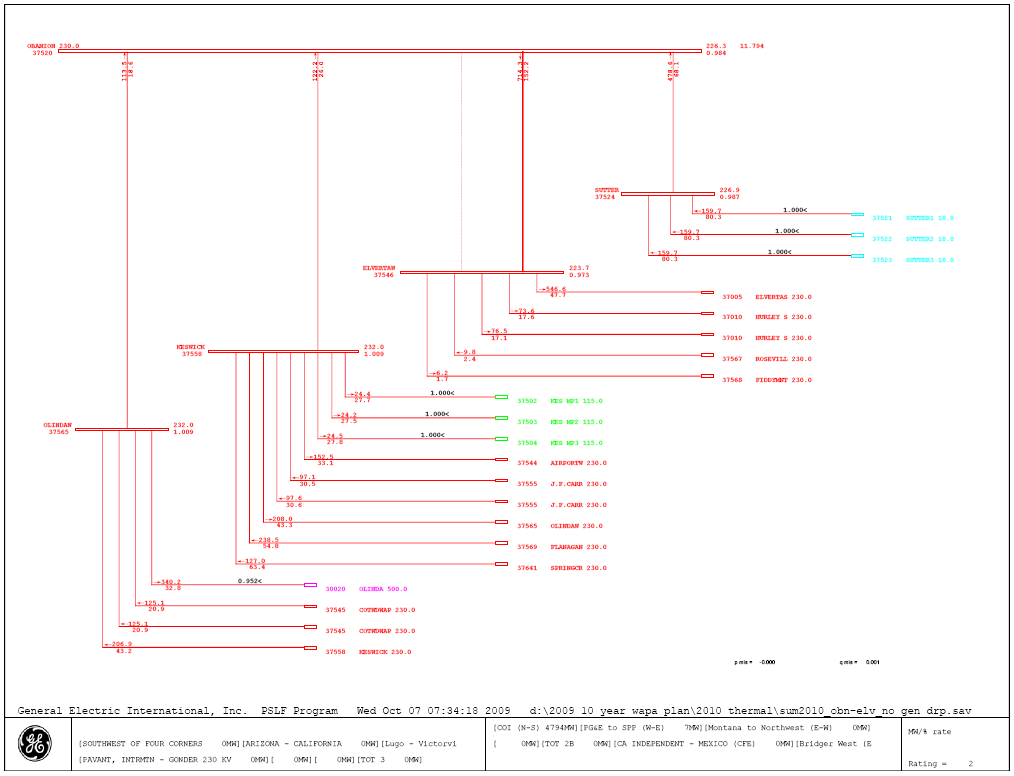


Figure 4-1

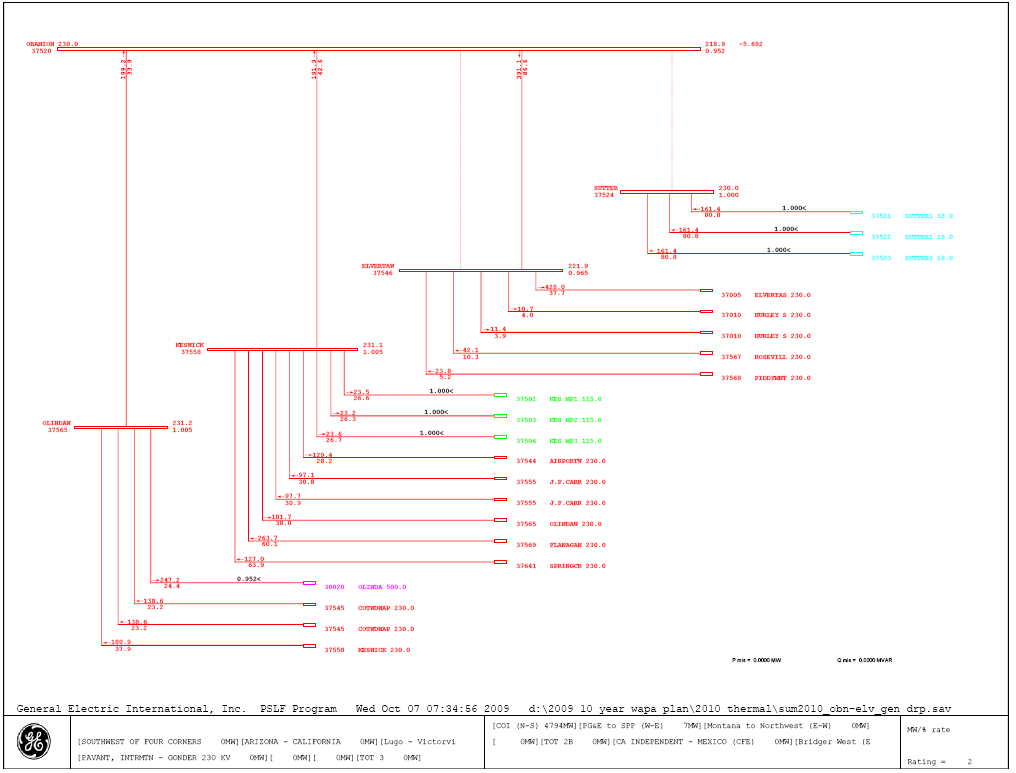


Figure 4-2

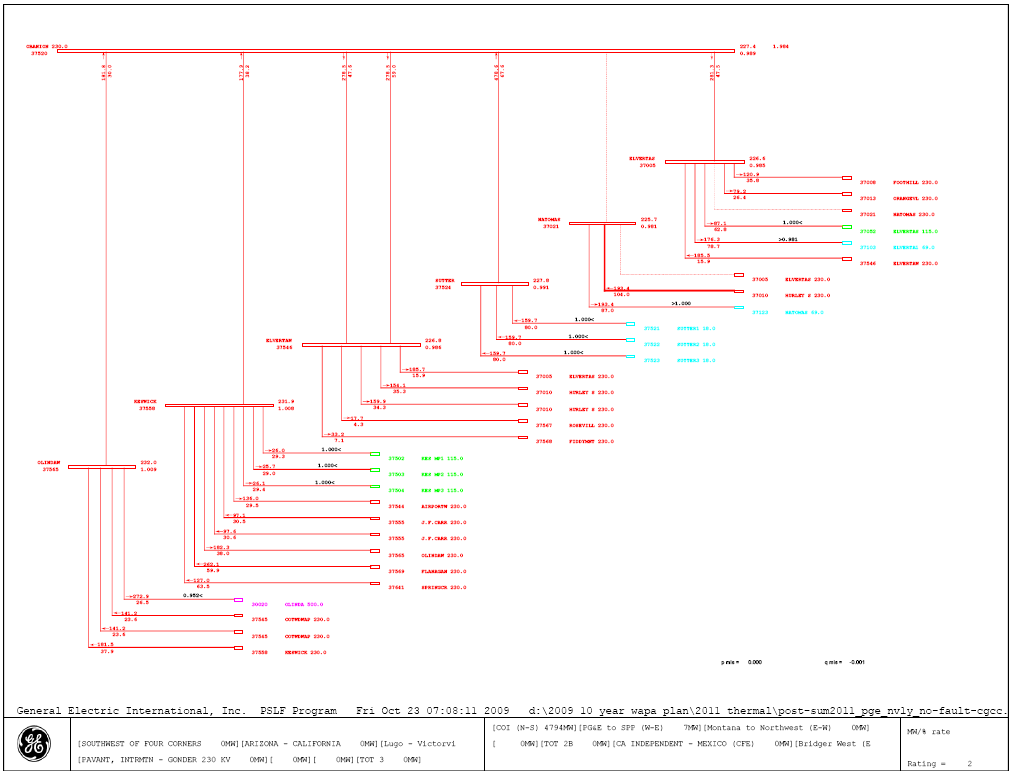


Figure 4-3

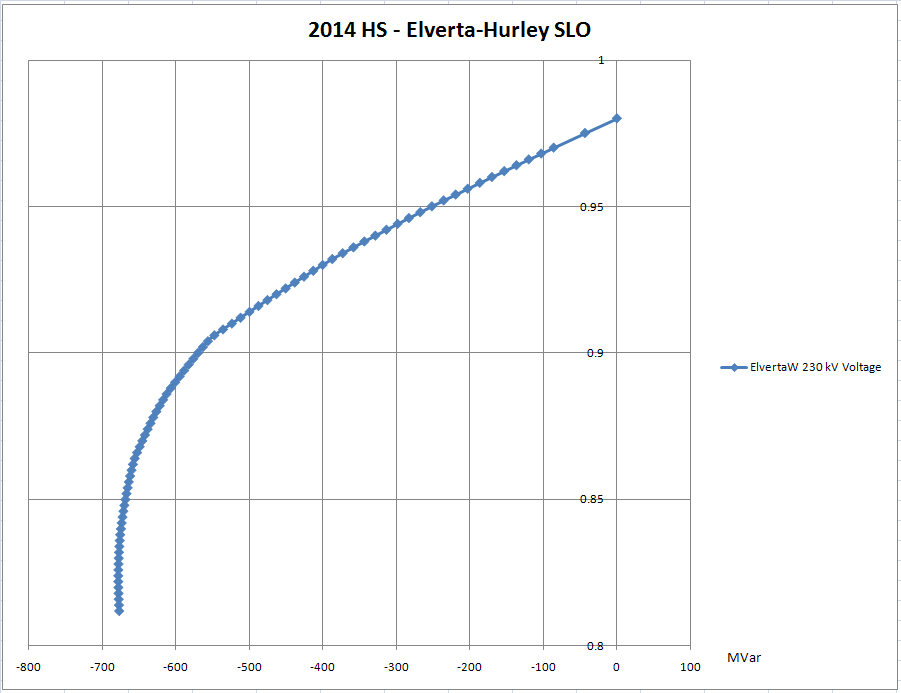


Figure 4-4 ElvertaW Voltage

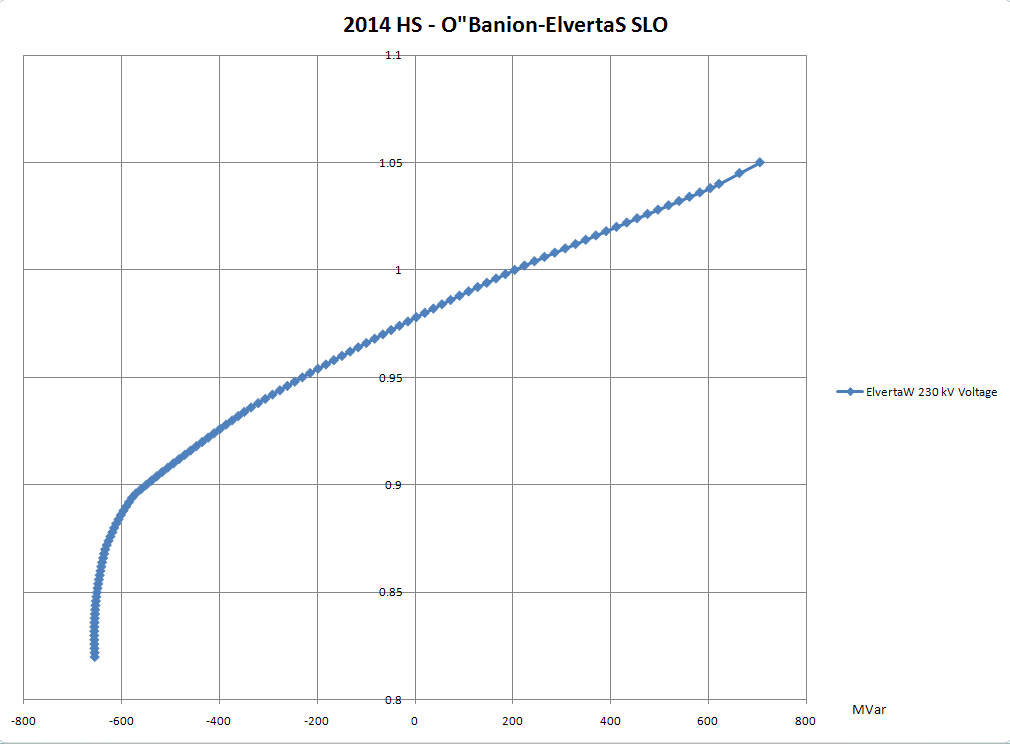


Figure 4-5 ElvertaW Voltage

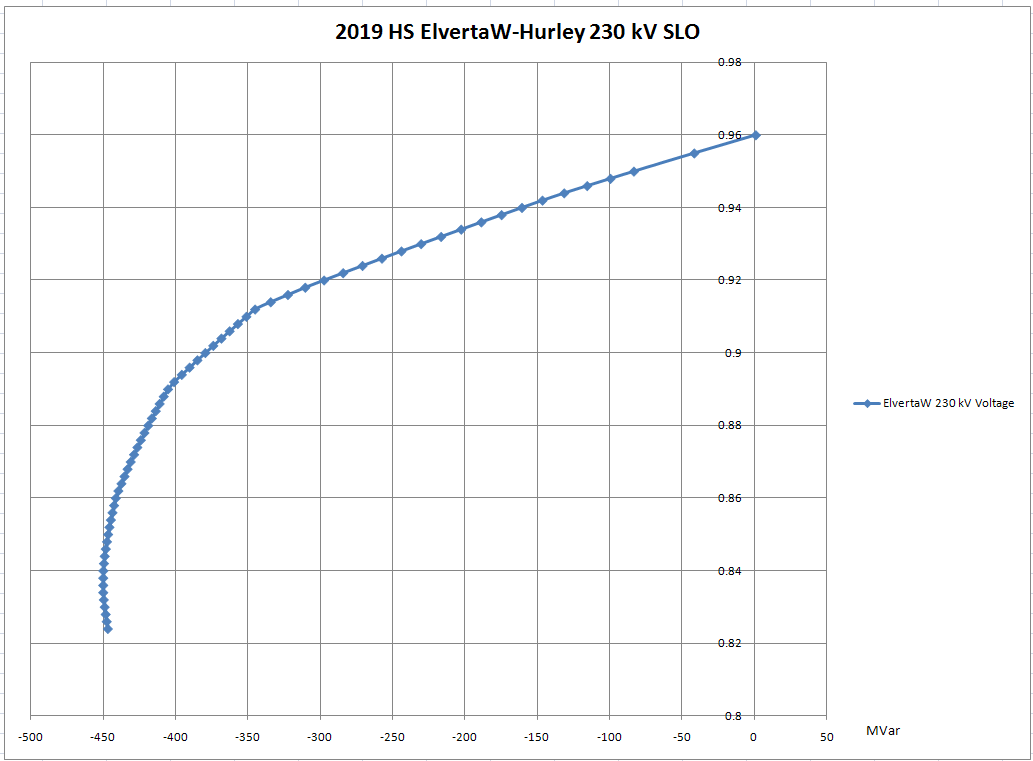


Figure 4-6 ElvertaW Voltage

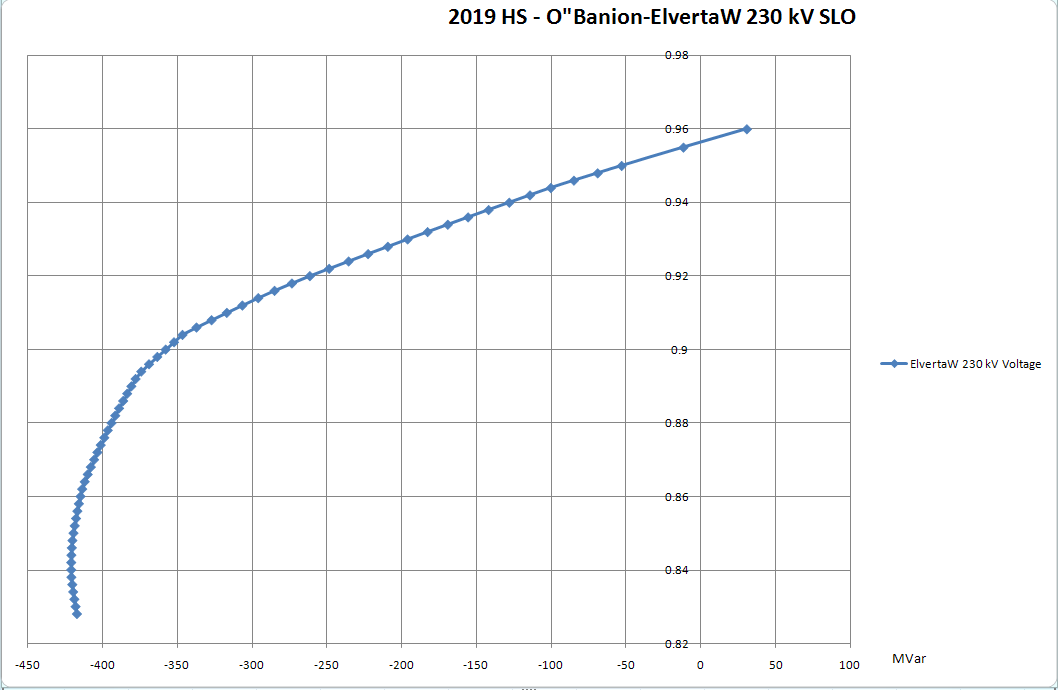


Figure 4-7 ElvertaW Voltage

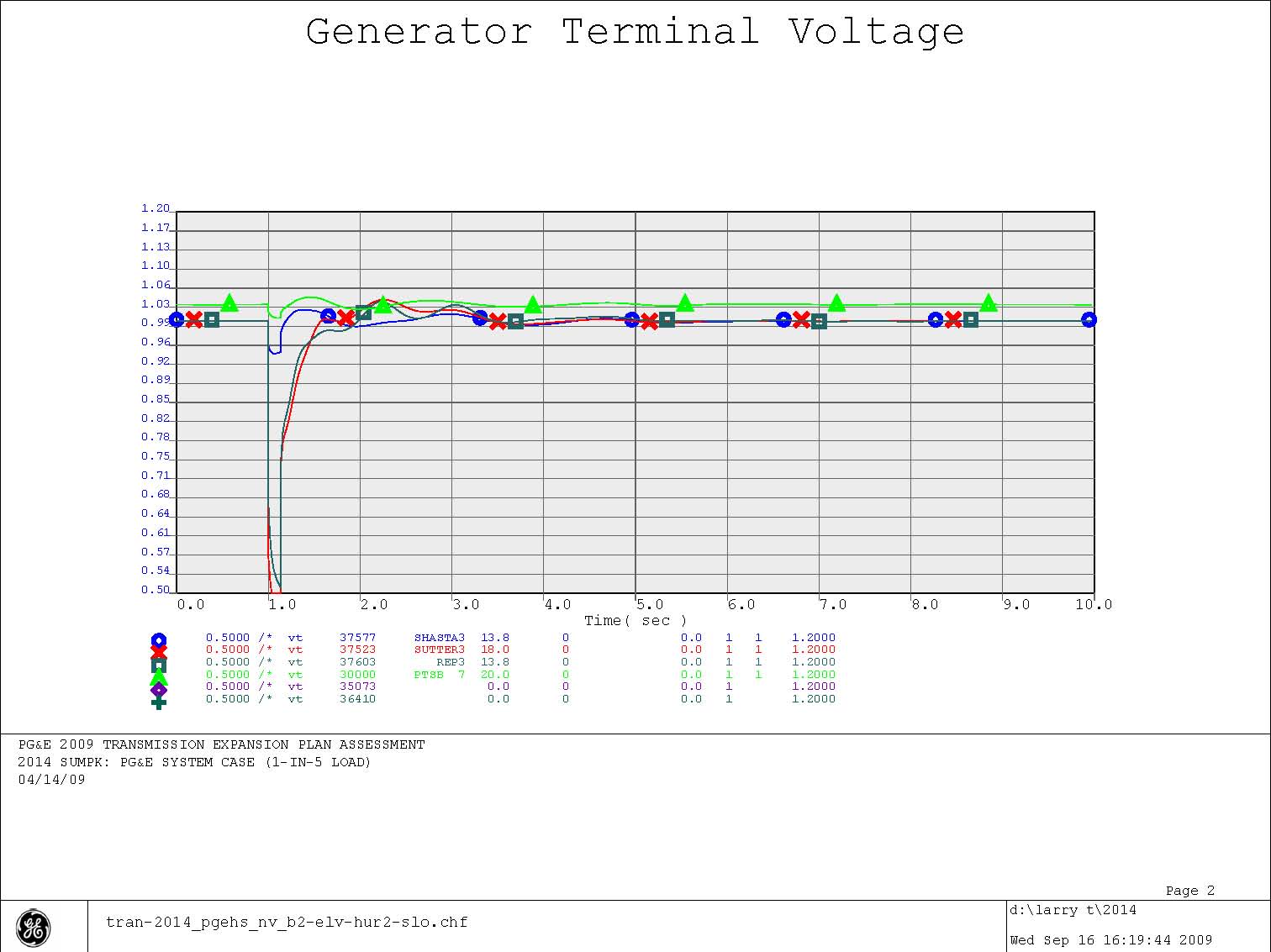


Figure 4.8

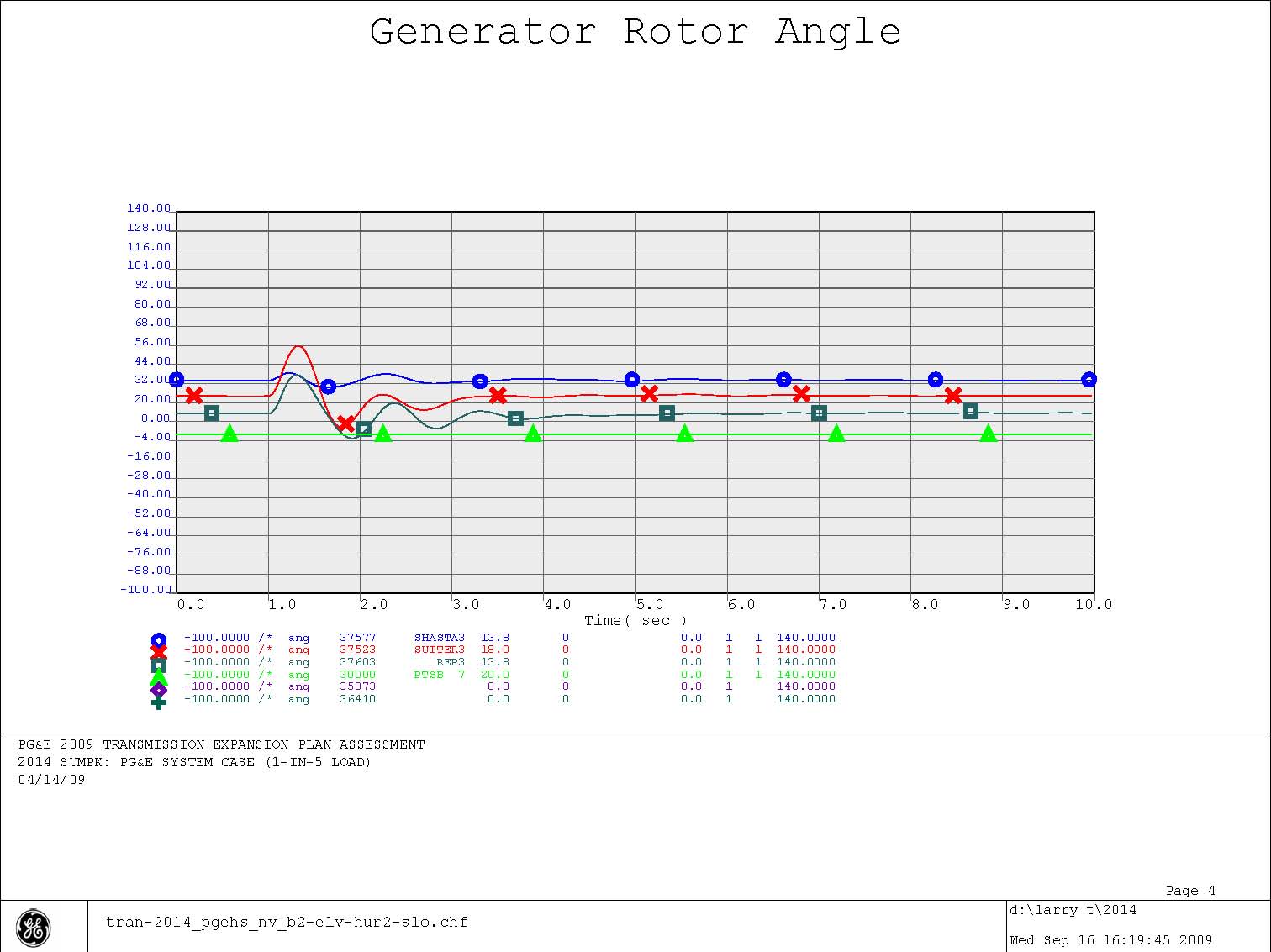


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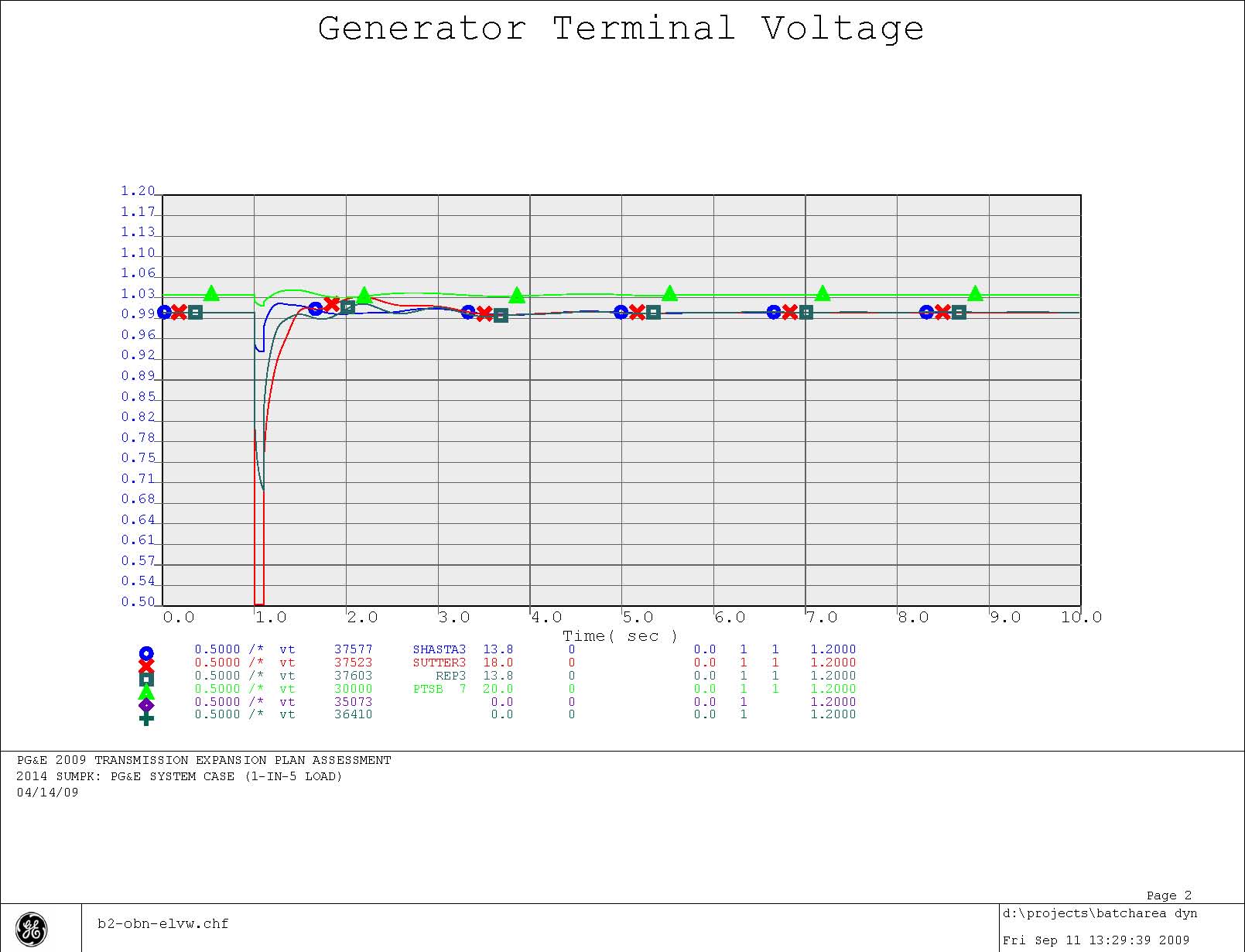


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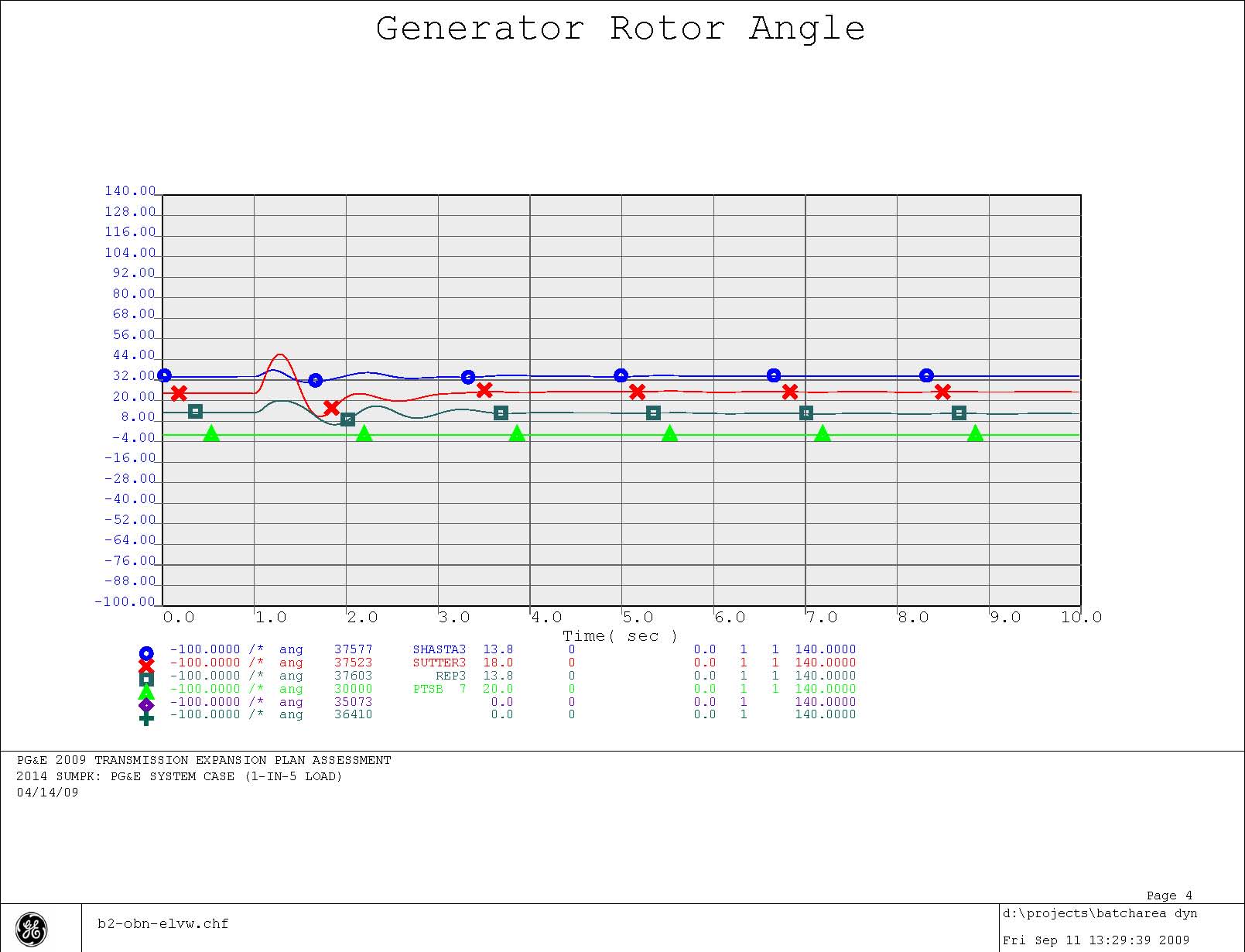


Figure 4-11

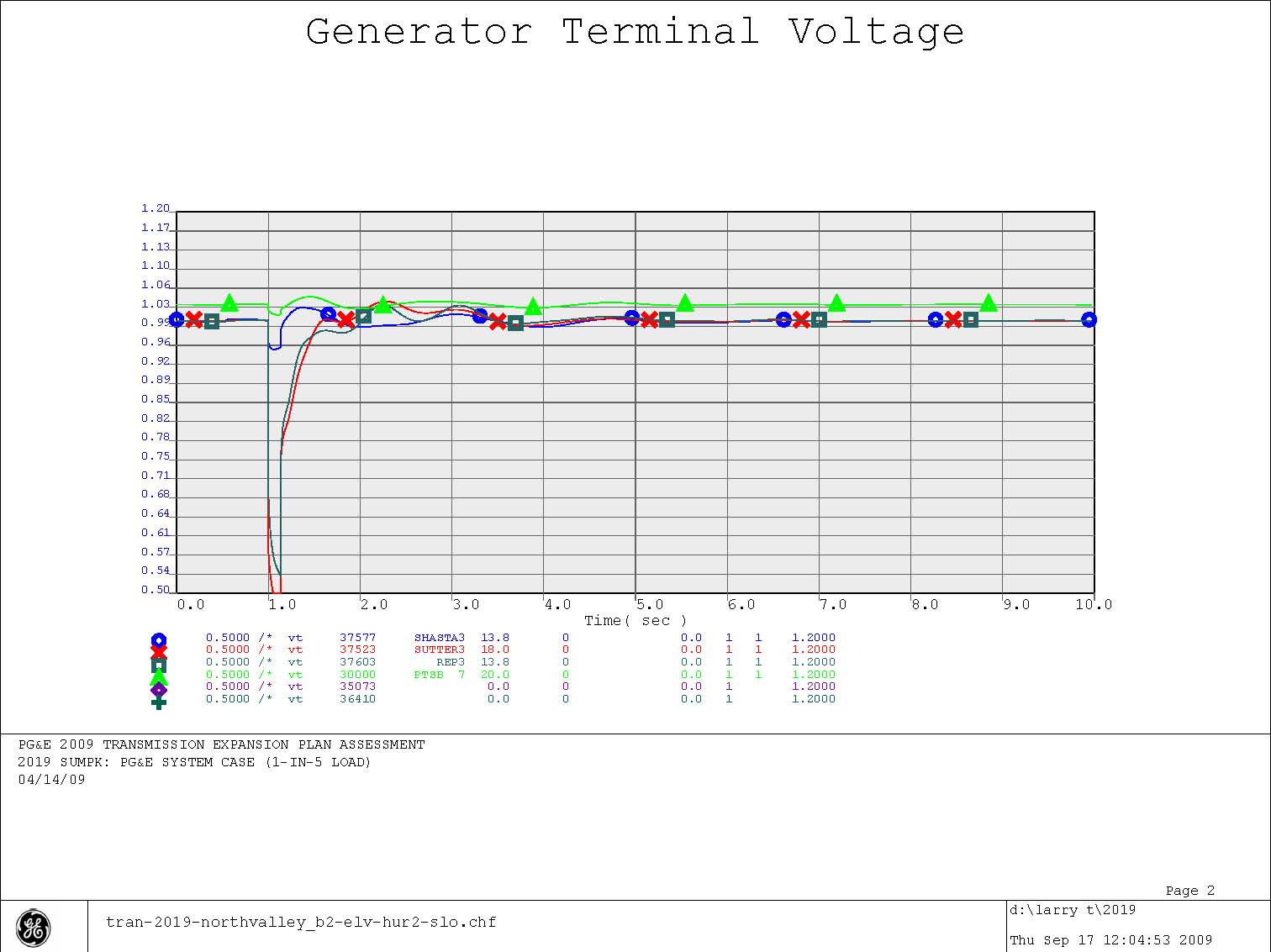
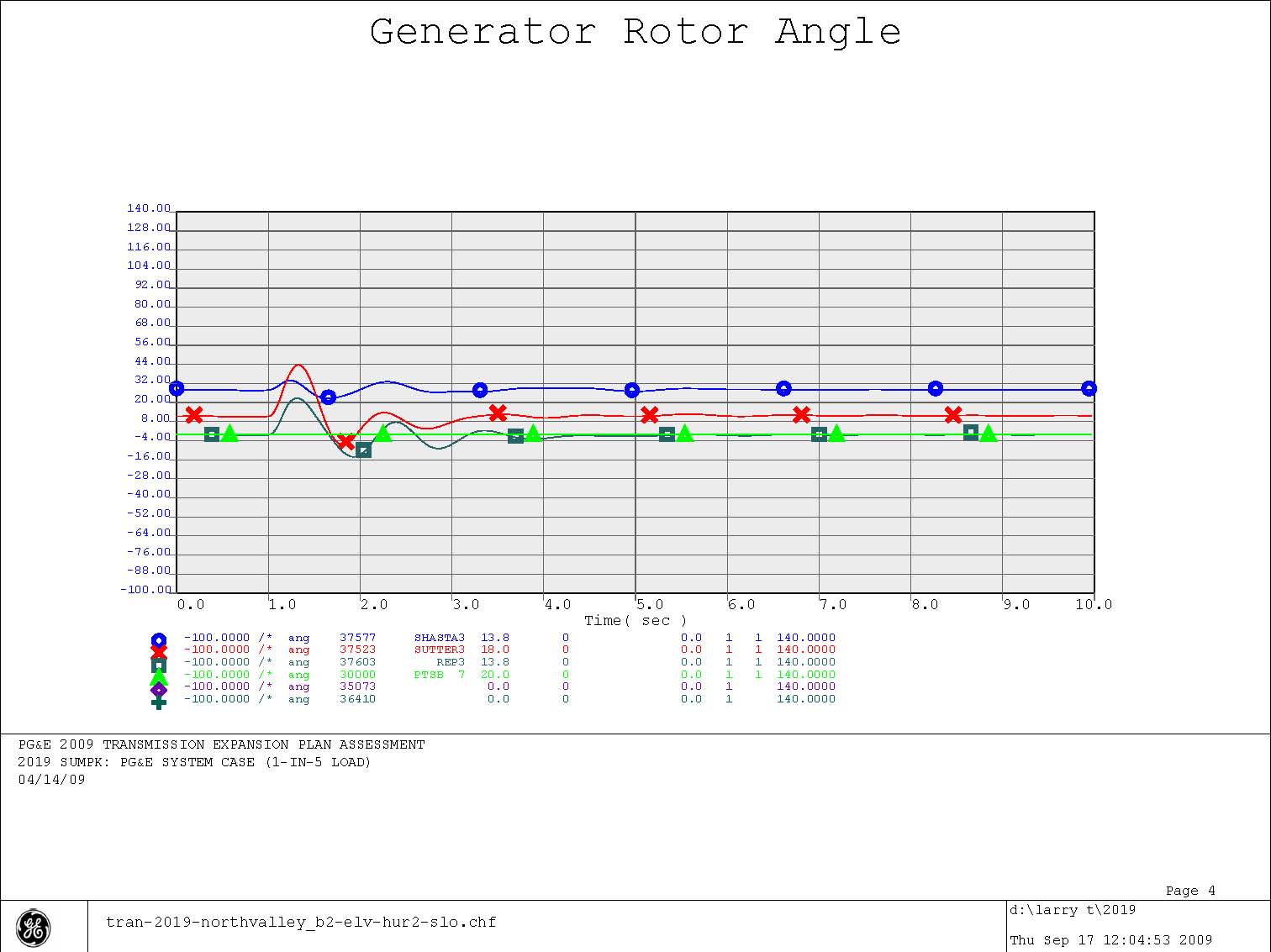


Figure 4-12



Figire 4-13

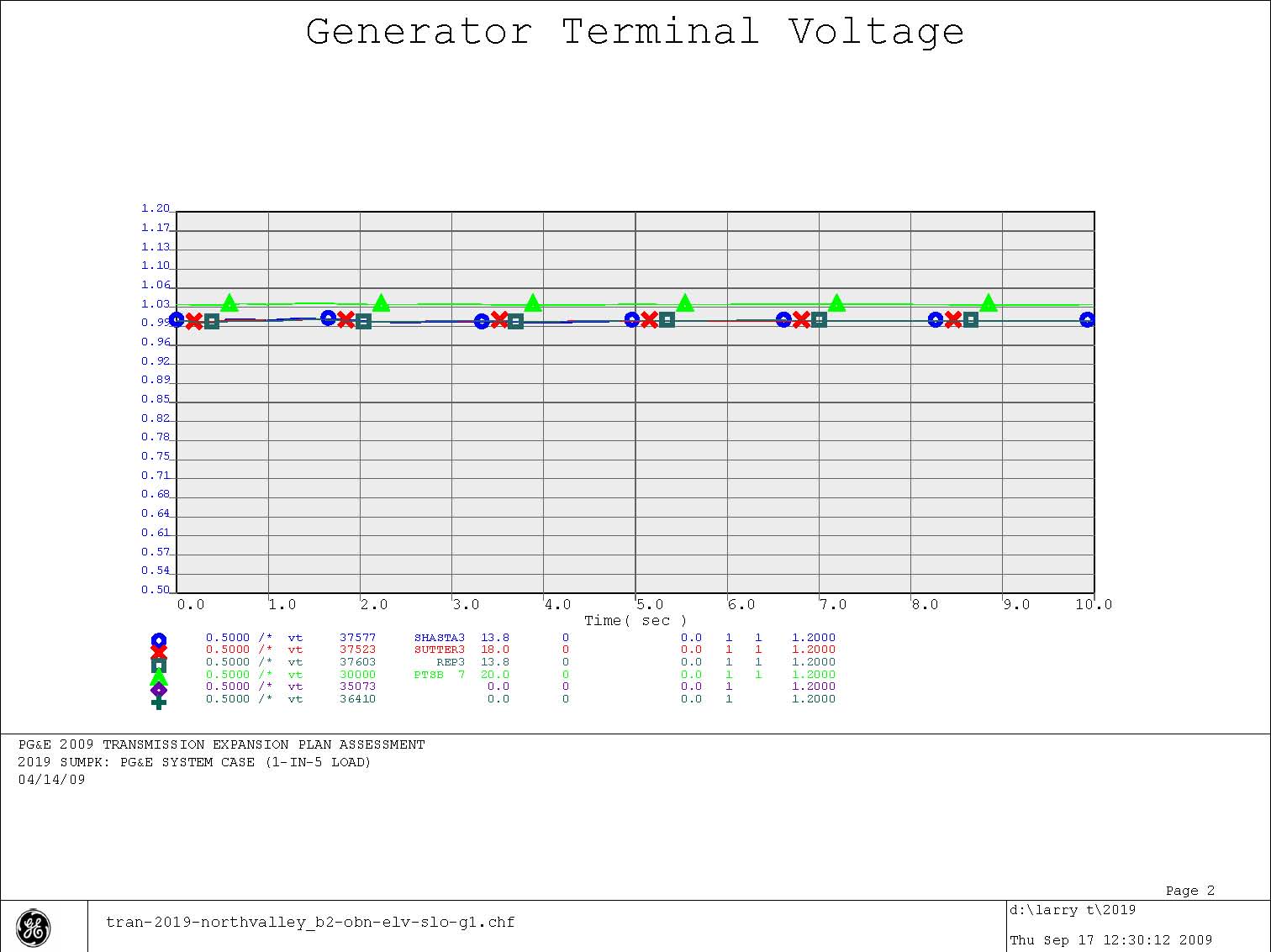


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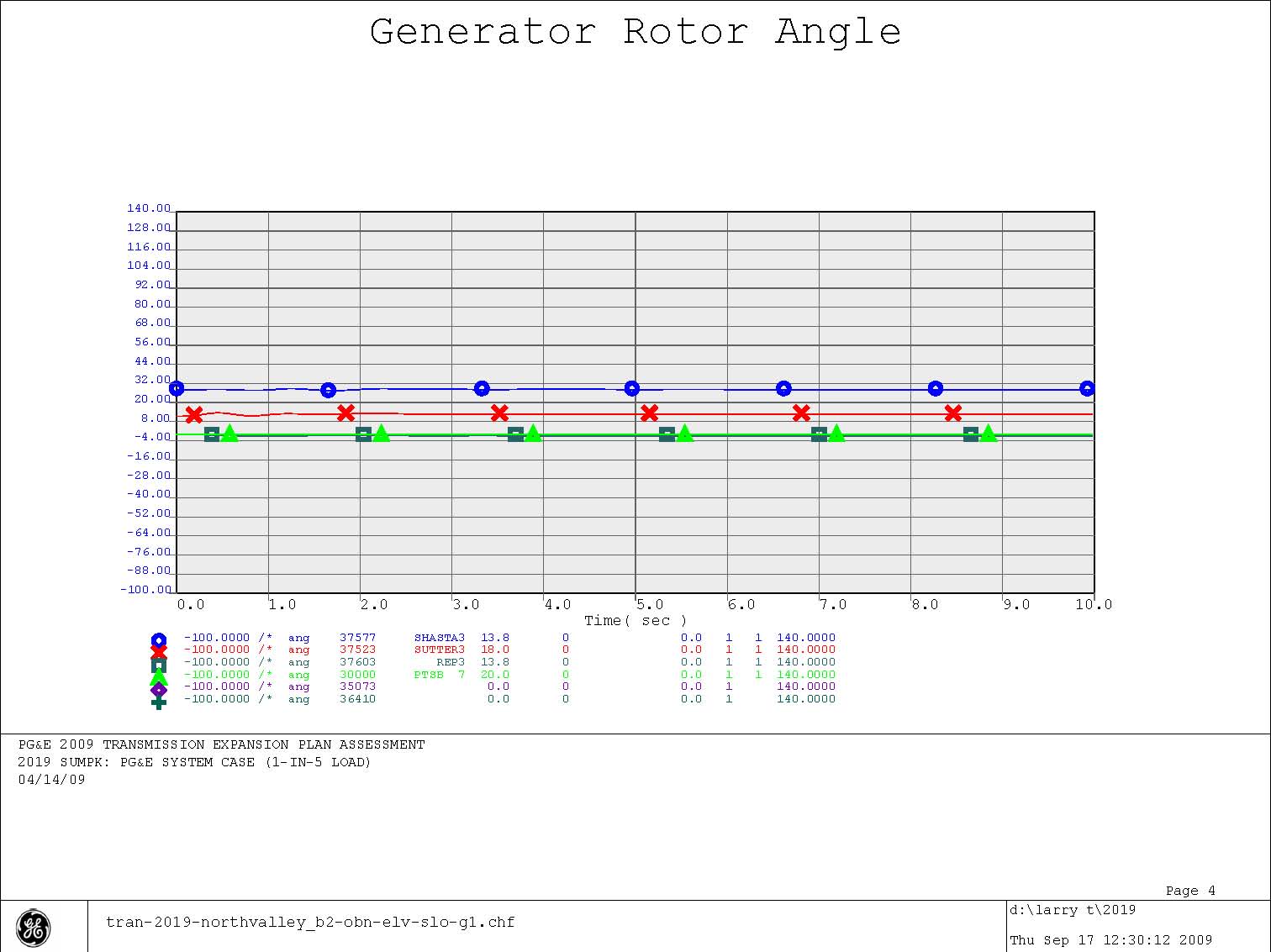


Figure 4-15