



# **Sierra Pacific Power Co.**

Generation, Transmission and  
Substation Displays

By Blaine Ladd

Engineer, Substation Engineering

# Keeping it Simple

- ◆ Extensive use of ActiveView on the intranet.
- ◆ Many DataLink Users.
- ◆ Approximately 100 Users total.
- ◆ Both Electric and Gas Displays.

- Falcon
- Fallon
- Fallon Tap
- Farad
- Fernley
- Fleish
- Fort Churchill
- Frontier
- Gabbs
- Generation
- Getchell
- Getchell Tap
- Glenbrook
- Glendale
- Glenshire
- Golconda
- Gonder
- Gooseberry
- Greg Street
- Hawthorne
- Hazen
- High Street
- Hilltop
- Hobart Tap
- Holcomb

# GENERATION

Red signifies unit is on.  
Values in MW unless otherwise noted.

PI TIMESTAMP: 9/11/03 10:20:47 AM

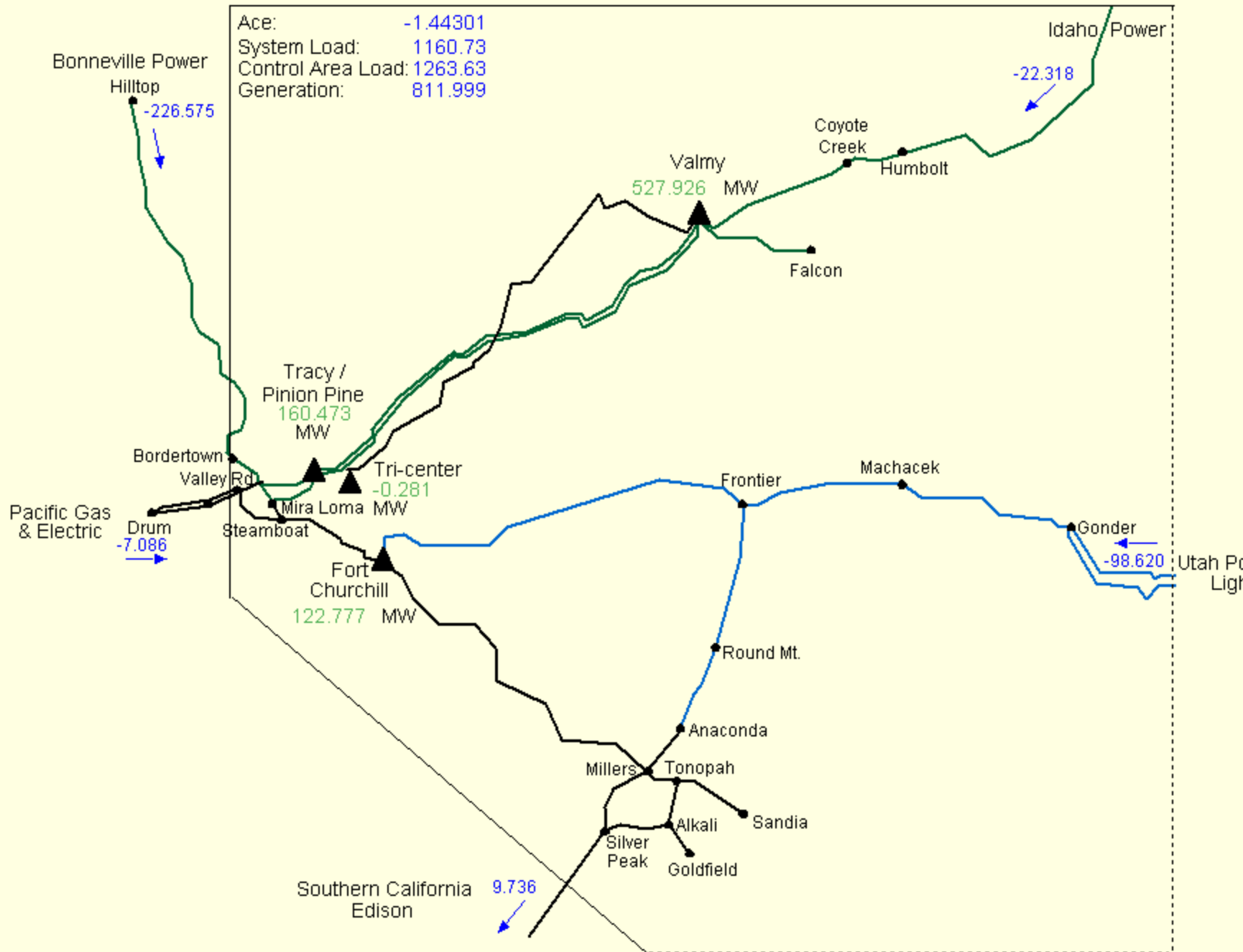
<b>26 Foot Drop (MVA)</b>	<b>Bad Input</b>	<b>Kings Beach</b>	<b>0.00</b>	<b>Tracy</b>	<b>162.02</b>
26 Foot Drop #1:	Bad Input	Kings Beach #1:	OFF	Tracy #G1:	0.00
26 Foot Drop #4:	ON	Kings Beach #2:	OFF	Tracy #G2:	0.00
26 Foot Drop #5:	ON	Kings Beach #3:	OFF	Tracy #1:	17.06
<b>Battle Mountain</b>	<b>0.00</b>	Kings Beach Diesel Bank #1:	0.00	Tracy #2:	19.58
Battle Mountain #1:	OFF	Kings Beach #4:	OFF	Tracy #3:	42.38
Battle Mountain #2:	OFF	Kings Beach #5:	OFF	Tracy #4:	61.18
Battle Mountain #3:	OFF	Kings Beach #6:	OFF	Tracy #5:	21.82
Battle Mountain #4:	OFF	Kings Beach Diesel Bank #2:	0.00	<b>Tri-center</b>	<b>-0.28</b>
Battle Mountain Diesel Bank:	0.00	<b>Lahontan</b>	<b>2.87</b>	Tri-center #1:	-0.07
<b>Beowawe</b>	<b>12.09</b>	Lahontan #1:	2.87	Tri-center #2:	-0.07
Beowawe:	12.09	Lahontan #2:	ON	Tri-center #3:	0.00
<b>Brunswick</b>	<b>-0.03</b>	Lahontan #3:	ON	Tri-center #4:	-0.07
Brunswick #1:	OFF	<b>Lovelock</b>	<b>0.00</b>	Tri-center #5:	-0.07
Brunswick #2:	OFF	Lovelock:	0.00	Tri-center #6:	0.00
Brunswick #3:	OFF	<b>Loyalton</b>	<b>10.59</b>	<b>Valley Road</b>	<b>0.00</b>
Brunswick Diesel Bank:	-0.03	Loyalton #1:	10.59	Valley Road #1:	OFF
<b>Desert Peak (MVA)</b>	<b>0.03</b>	<b>Lightgale</b>	<b>19.58</b>	Valley Road #2:	OFF
Desert Peak:	0.03	Nightengale #1:	19.58	Valley Road #3:	OFF
<b>East Tracy</b>	<b>-0.81</b>	<b>North Valmy</b>	<b>530.20</b>	Valley Road Biesel Bank:	0.00
East Tracy #3:	-0.40	North Valmy #1:	253.32	<b>Verdi</b>	<b>2.12</b>
East Tracy #4:	-0.40	North Valmy #2:	276.87	Verdi #1:	2.12
<b>Farad</b>	<b>0.00</b>	<b>Portola</b>	<b>0.00</b>	<b>Washoe</b>	<b>1.69</b>
Farad #1:	0.00	Portola #1:	OFF	Washoe #1:	0.89
Farad #2:	0.00	Portola #2:	OFF	Washoe #2:	0.80
<b>Fleish</b>	<b>2.49</b>	Portola #3:	OFF	<b>Winn GT</b>	<b>0.00</b>
Fleish #1:	2.49	Portola Biesel Bank:	0.00	Winn GT:	0.00
<b>Fort Churchill</b>	<b>122.93</b>	<b>Ragtown</b>	<b>8.80</b>	Winn GT Aux Gen:	OFF
Fort Churchill #1:	84.29	Ragtown #1:	8.80		
Fort Churchill #2:	37.35	<b>Stampede</b>	<b>0.78</b>		
Tads 1&2:	1.29	Stampede #1:	CLOSED		
<b>Gabbs</b>	<b>0.00</b>	Stampede #2:	OPEN		
Gabbs #1:	OFF	Stampede Diesel Bank:	0.78		
Gabbs #2:	OFF	<b>Steamboat</b>	<b>34.69</b>		
Gabbs Diesel Bank:	0.00	Caithness:	5.26		
<b>Getchell</b>	<b>-0.01</b>	Farwest:	25.65		
Getchell #1:	OPEN	Steamboat #1:	3.78		
Getchell #2:	OPEN				
Getchell #3:	OPEN				
Getchell #4:	OPEN				
Getchell Diesel Bank:	-0.01				

Spanish  
ings  
Sparks Ind.  
Squaw Valley  
Stampede  
Star Peak  
Staseline  
Stead  
Steamboat  
Stonehouse S  
Summit  
Sutro  
System Freq  
T\_Lazy\_S  
Table Mtn.  
Tahoe City  
Tahoe-Dorn  
Thorne  
TADS II  
Topaz  
Total  
Tracy 1  
Tracy 2  
Transmission  
Tri-Center  
Trolley  
Truckee  
TRW  
JS Gypsum  
Utah Int.  
Valley Rd. 12  
Valley Rd. 25

# TRANSMISSION & GENERATION SUMMARY

PI TIMESTAMP: 9/11/03 10:18:17 AM

Ace: -1.44301  
 System Load: 1160.73  
 Control Area Load: 1263.63  
 Generation: 811.999



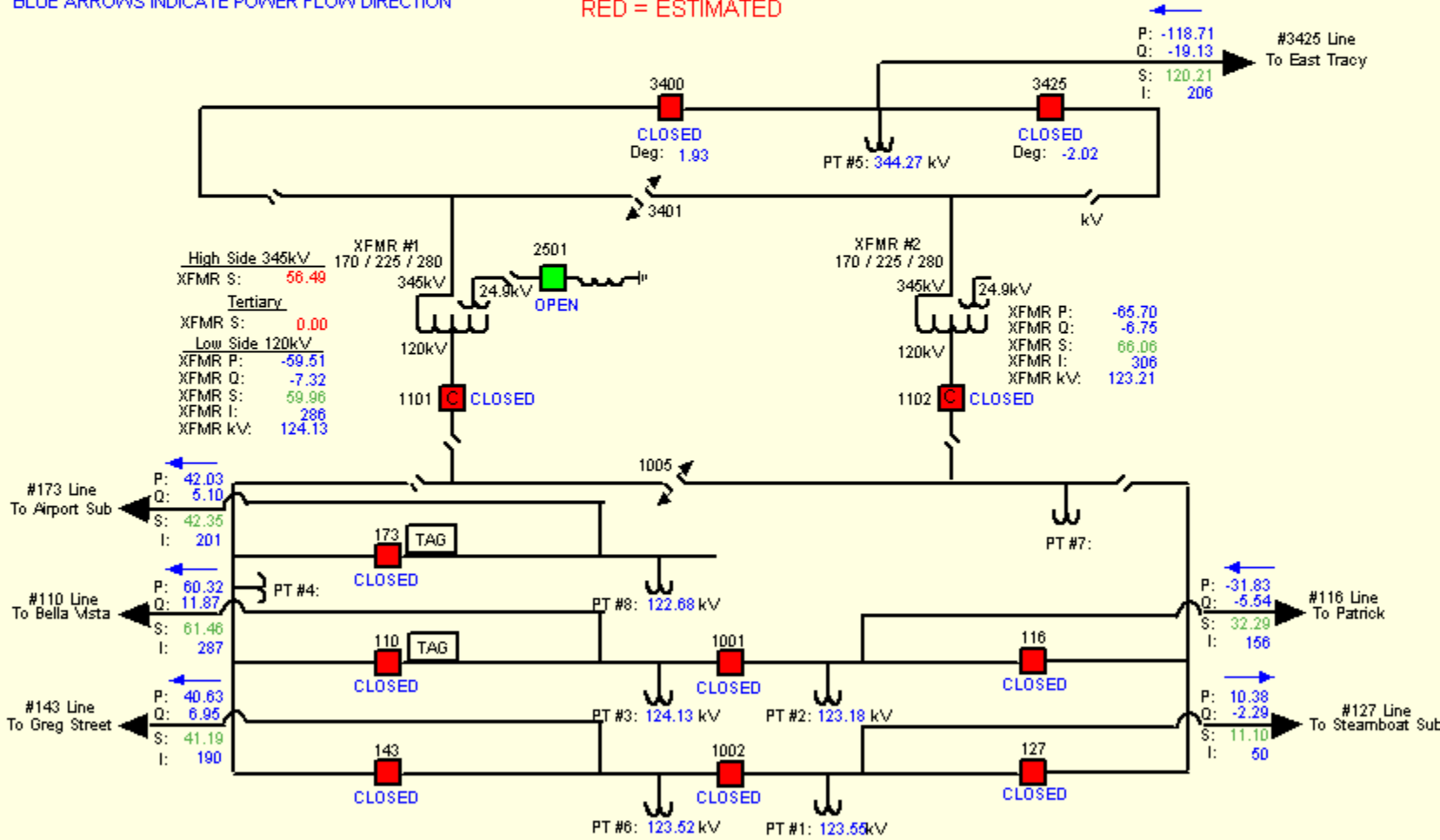
- Lahontan
- Last Chance
- Leeville
- Local
- Lone Mountain
- Lonely
- Lovelock
- Loyalton
- Machacek
- Maggie Creek
- Marigold
- Mark Twain
- Martis Valley
- Meyers
- Midpoint
- Millers
- Minden
- Mira Loma
- Mount Rose
- Nevada
- ment
- Nevada
- elite
- Newmont
- Nightingale

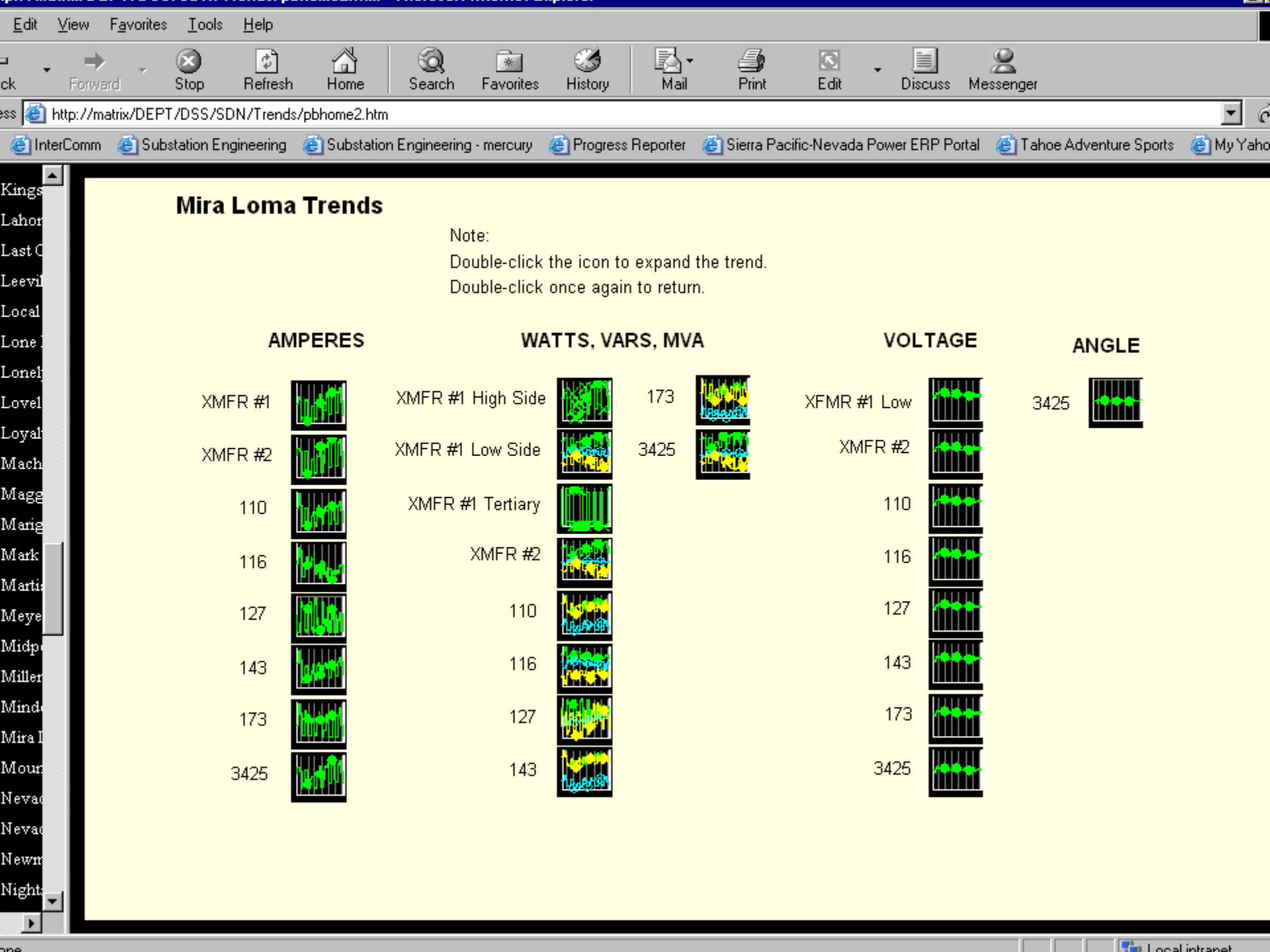
# MIRA LOMA SUB (MIR)

WARNING: TAG BOX FLASHING INDICATES HOT TAG ON  
 BLUE ARROWS INDICATE POWER FLOW DIRECTION

VALUE COLOR CODES:  
 BLUE = TELEMETERED  
 GREEN = CALCULATED  
 RED = ESTIMATED

PI TIMESTAMP: 9/11/03 10:14:53 AM





## Mira Loma Trends

Note:

Double-click the icon to expand the trend.

Double-click once again to return.

### AMPERES

XMFR #1



XMFR #2



110



116



127



143



173



3425



### WATTS, VARS, MVA

XMFR #1 High Side



XMFR #1 Low Side



XMFR #1 Tertiary



XMFR #2



110



116



127



143



173



3425



### VOLTAGE

XFMR #1 Low



XMFR #2



110



116



127



143



173



3425



### ANGLE

3425



# AS DISTRIBUTION

API TIMESTAMP:  
12/03 8:25:55 AM

