

MISO ICTE Reliability: TLR 5 Event Analysis Report



Event Date: 3/31/2013

Flowgate ID/Name: FG 1969 Ringgold – Sales 115kV flo Dolet Hills – SW Shreveport 345kV

Metrics Tables: TLR Date 3/31/2013 13:25
Return to Zero 4/1/2013 02:00
Duration 12 hours 35 minutes
Hours in TLR 5 11 hours 35 minutes
Highest Level 5B
MW Cut 392
Firm 392
Non-Firm 0

NNL:

EES	4	LEPA
AECI		ONT
AMIL		PJM
CLEC	82	SMEE
CSWS		SOCO
EDE		SPA
LAFA		TVA
LAGN		WSCS

Flowgate information at the time of the TLR 5 issuance:

Line Rating: 115 LODF: 0.1611 PC MVA: 124 Contingent Element: 374 Monitored Element: 64

Root Cause:

During the afternoon of March 31, strong storms moved across Western Louisiana. Numerous forced outages from the storms led to increased post contingent loading in the Entergy and CLECO Transmission Area in Western Louisiana.

Planned or Unplanned Generation Outage(s): (none, if blank)

Type:

Planned or Unplanned Transmission Outage(s): (none, if blank)

Type:

Unplanned Montgomery - Winfield 230kV 3/31/2013

Unplanned Montgomery - Colfax 230kV 3/31/2013

Unplanned Winfield - Cane River 115kV 3/31/2013

Unplanned Standard - Winfield 115kV 3/31/2013

Unplanned Red Gum - Standard 115kV 3/31/2013

Unplanned Lucky - Hodges 115kV 3/31/2013

Unplanned Chalky Bulk - Gillis - Moss Bluff 230kV 3/31/2013

Unplanned Mansfield-Red River 138kV line 3/31/2013

Tags Excluded from the TLR (The following tags were excluded for Reliability)

None

Internal Non-Firm Tags that were curtailed: No Internal Non-Firm tags were curtailed

Non-Firm AFC's suspended: AFC's were not suspended for the duration of this TLR 5

AFC Limitations before, during and after the TLR Event: **MISSING**

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Event History:

TLR Event History																
1969 - Ringgold-Sales 115kV fto Dolet Hills-SW Shreveport 345kV																
	Status	TLR	Effective Time	Confirmation Time	Run Time	Flow Change Requested	Requested Relief	Remaining Relief	Relief Provided	Total Cuts			RC Ack Cuts			
										Tags	MW	Relief	Tags	MW	Relief	NNL
CH	SUPERSEDED	5B	03/31/2013 13:25	03/31/2013 13:04	03/31/2013 13:03	-75.0	75.0	0.0	75	1	20	3	1	20	3	62
NH									10	0	0	0	0	0	0	10
NH	SUPERSEDED	5A	03/31/2013 15:00	03/31/2013 14:33	03/31/2013 14:32	0.0	14.0	0.0	24	6	33	5	6	33	5	16
NH	SUPERSEDED	5A	03/31/2013 16:00	03/31/2013 15:26	03/31/2013 15:25	-10.0	27.0	0.0	31	6	39	5	6	39	5	18
NH	SUPERSEDED	5A	03/31/2013 17:00	03/31/2013 16:27	03/31/2013 16:26	-5.0	24.0	0.0	32	6	40	5	6	40	5	18
NH	SUPERSEDED	5A	03/31/2013 18:00	03/31/2013 17:30	03/31/2013 17:29	0.0	18.0	0.0	26	6	32	5	6	32	5	15
NH	SUPERSEDED	5A	03/31/2013 19:00	03/31/2013 18:28	03/31/2013 18:26	-15.0	29.0	0.0	36	6	41	6	6	41	6	20
NH	SUPERSEDED	5A	03/31/2013 20:00	03/31/2013 19:30	03/31/2013 19:29	-10.0	39.0	0.0	48	7	55	8	7	55	8	27
NH	SUPERSEDED	5A	03/31/2013 21:00	03/31/2013 20:28	03/31/2013 20:27	+5.0	27.0	0.0	39	6	45	6	6	45	6	23
NH	SUPERSEDED	5A	03/31/2013 22:00	03/31/2013 21:28	03/31/2013 21:26	0.0	32.0	0.0	42	6	47	7	6	47	7	25
NH	SUPERSEDED	5A	03/31/2013 23:00	03/31/2013 22:26	03/31/2013 22:25	+5.0	26.0	0.0	36	7	40	5	7	40	5	22
NH	SUPERSEDED	5A	04/01/2013 00:00	03/31/2013 23:31	03/31/2013 23:26	+38.0	0.0	0.0	0.0	0	0	0	0	0	0	0
NH	SUPERSEDED	1	04/01/2013 01:00	04/01/2013 00:28	04/01/2013 00:27	0.0	0.0	0.0	0.0	0	0	0	0	0	0	0
NH	TERMINATED	0	04/01/2013 02:00	04/01/2013 01:03	04/01/2013 01:03	0.0	0.0	0.0	0.0	0	0	0	0	0	0	0

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Event Summary:

Event Summary

FILE SAVED AS: MISO_1969_20130331_1225.htm

Incident:	MISO_1969_20130331_1225	Date:	03/31/2013 (EST)	Reliability Coordinator:	MISO
Initial Conditions:	N/A				
Flowgate:	1969 - Ringgold-Sales 115kV flo Dole...	Rating:	0	LODF:	16.11%
TLR Direction:	Normal				
Effective StartTime:	03/31/2013 13:25 (EST)	Effective EndTime:	04/01/2013 02:00 (EST)	TLR Duration:	12 Hours and 35 Minutes

TLR Actions

Confirm Time	Level	Effective Hour	Priority	Schedule								NNL Relief			Market Relief				Flow		Cont. Flow	TLR Action Comments
				Total Tags Cut/Hold	MV	Relief	RC Cut Acknowledge	MV	Relief	MV	Relief	CA	IDC MV	RC Ackn MV	Type	Mkt	IDC MV	RC Ackn MV	Current	Post Cont.		
Mar 31 13:04 (EST)	TLR 5B	CURRENT	7-F	1 / 0	20	3.1	20	3.1	0	0.0	0.0	CLEC	9.0	10.0	ED-2	SWPP	0.0	0.0	0	0	0	N/A
			Total	1 / 0	20	3.1	20	3.1	0	0.0	0.0	EES	1.0	1.0	ED-6	SWPP	0.0	0.0				
												Total	10.0	11.0	FIRM-7	SWPP	61.7	61.7				
		NEXT																				
Mar 31 14:33 (EST)	TLR 5A	NEXT	7-F	6 / 0	33	4.5	33	4.5	0	0.0	0.0	CLEC	3.0	3.0	ED-2	SWPP	0.0	0.0	0	0	0	N/A
			Total	6 / 0	33	4.5	33	4.5	0	0.0	0.0	EES	3.0	3.0	ED-6	SWPP	0.0	0.0				
Mar 31 15:26 (EST)	TLR 5A	NEXT	7-F	6 / 0	39	5.4	39	5.4	0	0.0	0.0	CLEC	7.0	7.0	ED-2	SWPP	0.0	0.0	0	0	0	N/A
			Total	6 / 0	39	5.4	39	5.4	0	0.0	0.0	EES	1.0	1.0	ED-6	SWPP	0.0	0.0				
Mar 31 16:27 (EST)	TLR 5A	NEXT	7-F	6 / 0	40	5.5	40	5.5	0	0.0	0.0	CLEC	7.0	7.0	ED-2	SWPP	0.0	0.0	0	0	0	N/A
			Total	6 / 0	40	5.5	40	5.5	0	0.0	0.0	EES	1.0	1.0	ED-6	SWPP	0.0	0.0				
Mar 31 17:30 (EST)	TLR 5A	NEXT	7-F	6 / 0	32	4.5	32	4.5	0	0.0	0.0	CLEC	6.0	6.0	ED-2	SWPP	0.0	0.0	0	0	0	N/A
			Total	6 / 0	32	4.5	32	4.5	0	0.0	0.0	EES	6.0	6.0	ED-6	SWPP	0.0	0.0				
Mar 31 18:28 (EST)	TLR 5A	NEXT	7-F	6 / 0	41	5.8	41	5.8	0	0.0	0.0	CLEC	9.0	9.0	ED-2	SWPP	0.0	0.0	0	0	0	N/A
			Total	6 / 0	41	5.8	41	5.8	0	0.0	0.0	EES	1.0	1.0	ED-6	SWPP	0.0	0.0				
Mar 31 19:30 (EST)	TLR 5A	NEXT	7-F	7 / 0	55	7.8	55	7.8	0	0.0	0.0	CLEC	12.0	12.0	ED-2	SWPP	0.0	0.0	0	0	0	N/A
			Total	7 / 0	55	7.8	55	7.8	0	0.0	0.0	EES	1.0	0.0	ED-6	SWPP	0.0	0.0				
Mar 31 20:28 (EST)	TLR 5A	NEXT	7-F	6 / 0	45	6.2	45	6.2	0	0.0	0.0	CLEC	10.0	10.0	ED-2	SWPP	0.0	0.0	0	0	0	N/A
			Total	6 / 0	45	6.2	45	6.2	0	0.0	0.0	EES	1.0	0.0	ED-6	SWPP	0.0	0.0				
Mar 31 21:28 (EST)	TLR 5A	NEXT	7-F	6 / 0	47	6.6	47	6.6	0	0.0	0.0	CLEC	9.0	10.0	ED-2	SWPP	0.0	0.0	0	0	0	N/A
			Total	6 / 0	47	6.6	47	6.6	0	0.0	0.0	EES	1.0	0.0	ED-6	SWPP	0.0	0.0				

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Mar 31 21:28 (EST)	TLR 5A	NEXT	7-F Total	6 / 0	47	6.6	47	6.6	0	0.0	CLEC EES Total	9.0 1.0 10.0	10.0 0.0 10.0	ED-2 ED-6 FIRM-7 FIRM-CREDIT Total	SWPP SWPP SWPP SWPP	0.0 0.0 25.2 0.0 25.2	0.0 0.0 25.2 0.0 25.2	0	0	0	N/A
Mar 31 22:26 (EST)	TLR 5A	NEXT	7-F Total	7 / 0	40	5.5	40	5.5	0	0.0	CLEC EES Total	8.0 1.0 9.0	8.0 0.0 8.0	ED-2 ED-6 FIRM-7 FIRM-CREDIT Total	SWPP SWPP SWPP SWPP	0.0 0.0 22.3 0.0 22.3	0.0 0.0 22.3 0.0 22.3	0	0	0	N/A
Mar 31 23:31 (EST)	TLR 5A	NEXT	NONE								NONE		ED-2 ED-6 FIRM-7 FIRM-CREDIT Total	SWPP SWPP SWPP SWPP	0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0	0	0	0	N/A	
Apr 01 00:28 (EST)	TLR 1	CURRENT	NONE								NONE		NONE		NONE		0	0	0	N/A	
Apr 01 01:03 (EST)	TLR 0	CURRENT	NONE								NONE		NONE		NONE		0	0	0	N/A	

TLR Schedule Totals

Priority	Schedule			
	Total Tags Cut / Hold	IDC Cut MVV	RC Cut Acknowledge MVV	Hold MVV
0	0	0	0	0
1	0	0	0	0
2	0	0	0	0
3	0	0	0	0
4	0	0	0	0
5	0	0	0	0
6	0	0	0	0
7	57	392	392	0
Total	57	392	392	0

TLR NNL Totals

CA	NNL Relief	
	IDC MVV	RC Ackn MVV
CLEC	80.0	82.0
EES	8.0	4.0
Total	88.0	86.0

TLR Market Flow Totals

Market	Type	Market Relief	
		IDC MVV	RC Ackn MVV
SWPP	ED-2	0.0	0.0
	ED-6	0.0	0.0
	FIRM-7	247.5	247.5
Total for SWPP		247.5	247.5
Total		247.5	247.5