

MISO ICTE Reliability: TLR 5 Event Analysis Report



Event Date: 9/17/2013

Flowgate ID/Name: FG 19436 Franklin-Bogalusa 500kV flo Franklin-McKnight 500kV

Metrics Tables: TLR Date 9/17/2013 12:30
Return to Zero 9/17/2013 20:00
Duration 7 hours 30 minutes
Hours in TLR 5 38 hours 30 minutes
Highest Level 5A
MW Cut 1950
Firm 676
Non-Firm 1274

NNL:

EES	229	LEPA	
AECI		ONT	
AMIL		PJM	
CLEC	13	SMEE	
CSWS		SOCO	
EDE		SPA	
LAFA		TVA	
LAGN	10	WSCS	

Flowgate information at the time of the TLR 5 issuance:

Line Rating: 1200 LODF: 0.3953 PC MVA: 994 Contingent Element: 401 Monitored Element: 836

Root Cause:

This event was caused by an increase in flows north to south heading into the Amite South load pocket. Contributing to the heavier load across the Franklin-Bogalusa 500kV line for the loss of the Franklin-McKnight 500kV line was an increase in generation outputs that have lower sensitivities outside of the constrained area and reduced generation in the Baton Rouge Area, South East Louisiana, Amite South and DSG load pockets.

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

Type:

Unplanned Little Gypsy Unit 3 on 9/5/2013

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

Type:

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: This flowgate is not in the AFC process and does not have AFC's calculated

AFC Limitations before, during and after the TLR Event: This flowgate is not in the AFC process and does not have AFC's calculated

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Event History:

TLR Event History 19436 - Franklin-Bogalusa 500kV flo Franklin-McKnight 500kV

	Status	TLR	Effective Time	Confirmation Time	Run Time	Flow Change Requested	Requested Relief	Remaining Relief	Relief Provided	Total Cuts			RC Ack Cuts			MF	NNL
										Tags	MW	Relief	Tags	MW	Relief		
NH	SUPERSEDED	1	09/17/2013 12:30	09/17/2013 12:07	09/17/2013 12:07	0.0	0.0	0.0	0.0	0	0	0	0	0	0	0	0
NH	SUPERSEDED	5A	09/17/2013 16:00	09/17/2013 15:39	09/17/2013 15:37	-200.0	195.0	0.0	197	47	697	84	47	697	84	0	113
NH	SUPERSEDED	5A	09/17/2013 17:00	09/17/2013 16:27	09/17/2013 16:26	+25.0	45.0	0.0	160	43	563	64	43	563	64	0	96
NH	SUPERSEDED	5A	09/17/2013 18:00	09/17/2013 17:32	09/17/2013 17:29	+80.0	0.0	0.0	89	40	419	45	40	419	45	0	44
NH	SUPERSEDED	5A	09/17/2013 19:00	09/17/2013 18:30	09/17/2013 18:27	+60.0	0.0	0.0	26	3	271	26	3	271	26	0	0
NH	TERMINATED	0	09/17/2013 20:00	09/17/2013 19:30	09/17/2013 19:30	0.0	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_19436_20130917_1130.htm

Incident:	MISO_19436_20130917_1130	Date: 09/17/2013 (EST)	Reliability Coordinator: MISO
Initial Conditions:	N/A		
Flowgate:	19436 - Franklin-Bogalusa 500kV flo Fr...	Rating: 0	LODF: 39.53%
TLR Direction:	Normal		
Effective StartTime:	09/17/2013 12:30 (EST)	Effective EndTime: 09/17/2013 20:00 (EST)	TLR Duration: 7 Hours and 30 Minutes

TLR Actions

Confirm Time	Level	Effective Hour	Priority	Schedule							NNL Relief			Market Relief				Flow		Cont. Flow	TLR Action Comments		
				Total Tags Cut / Hold	IDC Cut		RC Cut Acknowledge		Hold		CA	IDC MW	RC Ackn MW	Type	Mkt	IDC MW	RC Ackn MW	Current	Post Cont.				
					MW	Relief	MW	Relief	MW	Relief													
Sep 17 12:07 (EST)	TLR 1	CURRENT	NONE										NONE			NONE				902	1098	491	N/A
Sep 17 15:39 (EST)	TLR 5A	NEXT	2-NH	1 / 0	100	16.8	100	16.8	0	0.0	CLEC	6.0	6.0	NONE				836	994	401	N/A		
			3-ND	1 / 0	31	3.9	31	3.9	0	0.0	EES	102.0	103.0										
			6-NN	2 / 0	270	28.7	270	28.7	0	0.0	LAGN	4.0	4.0										
			7-F	44 / 0	298	38.9	298	38.9	0	0.0													
			Total	48 / 0	697	84.2	697	84.2	0	0.0	Total	112.0	113.0										
Sep 17 16:27 (EST)	TLR 5A	NEXT	2-NH	1 / 0	80	13.4	80	13.4	0	0.0	CLEC	5.0	5.0	NONE				0	0	0	N/A		
			3-ND	1 / 0	31	3.8	31	3.8	0	0.0	EES	87.0	87.0										
			6-NN	1 / 0	200	15.6	200	15.6	0	0.0	LAGN	4.0	4.0										
			7-F	41 / 0	252	31.1	252	31.1	0	0.0													
			Total	44 / 0	563	64.0	563	64.0	0	0.0	Total	96.0	96.0										
Sep 17 17:32 (EST)	TLR 5A	NEXT	2-NH	1 / 0	80	10.0	80	10.0	0	0.0	CLEC	2.0	2.0	NONE				0	0	0	N/A		
			3-ND	1 / 0	31	3.9	31	3.9	0	0.0	EES	40.0	40.0										
			6-NN	1 / 0	200	15.9	200	15.9	0	0.0	LAGN	2.0	2.0										
			7-F	38 / 0	128	15.7	128	15.7	0	0.0													
			Total	41 / 0	419	45.5	419	45.5	0	0.0	Total	44.0	44.0										
Sep 17 18:30 (EST)	TLR 5A	NEXT	2-NH	1 / 0	40	6.7	40	6.7	0	0.0	NONE			NONE				0	0	0	N/A		
			3-ND	1 / 0	31	3.9	31	3.9	0	0.0													
			6-NN	1 / 0	200	15.9	200	15.9	0	0.0													
			Total	3 / 0	271	26.4	271	26.4	0	0.0													
Sep 17 19:30 (EST)	TLR 0	CURRENT	NONE										NONE			NONE				0	0	0	N/A

TLR Schedule Totals

Priority	Schedule			
	Total Tags Cut / Hold	IDC Cut MW	RC Cut Acknowledge MW	Hold MW
0	0	0	0	0
1	0	0	0	0
2	4	280	280	0
3	4	124	124	0
4	0	0	0	0
5	0	0	0	0
6	5	870	870	0
7	123	676	676	0
Total	136	1950	1950	0

TLR NNL Totals

CA	NNL Relief	
	IDC MW	RC Ackn MW
CLEC	13.0	13.0
EES	229.0	230.0
LAGN	10.0	10.0
Total	252.0	253.0