

MISO ICTE Reliability: TLR 5 Event Analysis Report



Event Date: 10/17/2013

Flowgate ID/Name: FG 18593 Bogalusa 500/230kV Auto flo McKnight-Coly 500kV line

Metrics Tables:

TLR Date	10/17/2013 14:00
Return to Zero	10/17/2013 21:00
Duration	7 hours
Hours in TLR 5	4 hours
Highest Level	5A
MW Cut	858
Firm	621
Non-Firm	237

NNL:

EES	255	LEPA	
AECI		ONT	
AMIL		PJM	
CLEC	10	SMEE	
CSWS		SOCO	
EDE		SPA	
LAFa		TVA	
LAGN	6	WSCS	

Flowgate information at the time of the TLR 5 issuance:

Line Rating: 976 (webTAR) LODF: 0.3275 PC MVA: 958 Contingent Element: 935 Monitored Element: 653

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 Bogalusa 500/230kV Xfmr for the loss of the McKnight-Coly 500kV line was an increase in generation outputs that have lower sensitivities outside of the constrained area, unplanned outages and reduced generation in the Amite South and DSG load pockets.

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

- Type:
- Planned Big Cajun 2 Unit 2 on 10/12/2013
 - Planned Big Cajun 2 Unit 1 on 10/5/2013
 - Planned Ninemile Unit 5 on 10/5/2013
 - Planned Waterford Unit 2 on 9/28/2013

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

- Type:
- Planned Fancy Point – McKnight 500kV line on 10/16/2013
 - Planned Ninemile – Sport 230kV line on 10/14/2013
 - Planned Kenner – Harahan 230kV line on 10/14/2013
 - Planned Talisheek – North Slidell 230kV line on 10/14/2013

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: 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 18593 - Bogalusa 500/230 kV Auto ftlo Mcknight - Coly

	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	MF	NNL
NH	SUPERSEDED	5A	10/17/2013 14:00	10/17/2013 13:27	10/17/2013 13:25	-35.0	51.0	0.0	53	27	148	19	27	148	19	0	34
NH	SUPERSEDED	5A	10/17/2013 15:00	10/17/2013 14:28	10/17/2013 14:25	-60.0	100.0	0.0	136	32	280	42	32	280	42	0	94
NH	SUPERSEDED	5A	10/17/2013 16:00	10/17/2013 15:31	10/17/2013 15:25	-30.0	65.0	0.0	161	33	285	49	33	285	49	0	112
NH	SUPERSEDED	5A	10/17/2013 17:00	10/17/2013 16:29	10/17/2013 16:25	0.0	0.0	0.0	40	19	127	10	19	127	10	0	31
NH	SUPERSEDED	3A	10/17/2013 18:00	10/17/2013 17:34	10/17/2013 17:31	+20.0	0.0	0.0	0.0	0	0	0	0	0	0	0	0
NH	SUPERSEDED	3A	10/17/2013 19:00	10/17/2013 18:30	10/17/2013 18:29	-20.0	2.0	0.8	1	1	18	1	1	18	1	0	0
NH	SUPERSEDED	3A	10/17/2013 20:00	10/17/2013 19:28	10/17/2013 19:26	0.0	0.0	0.0	0.0	0	0	0	0	0	0	0	0
NH	TERMINATED	0	10/17/2013 21:00	10/17/2013 20:26	10/17/2013 20:26	0.0	0.0	0.0	0.0	0	0	0	0	0	0	0	0

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Event Summary:

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FILE SAVED AS: MISO_18593_20131017_1300.htm

Incident:	MISO_18593_20131017_1300	Date:	10/17/2013 (EST)	Reliability Coordinator:	MISO
Initial Conditions:	N/A				
Flowgate:	18593 - Bogalusa 500/230 kV Auto flo...	Rating:	0	LODF:	32.75%
TLR Direction:	Normal				
Effective StartTime:	10/17/2013 14:00 (EST)	Effective EndTime:	10/17/2013 21:00 (EST)	TLR Duration:	7 Hours and 0 Minutes

TLR Actions

Confirm Time	Level	Effective Hour	Priority	Schedule						NNL Relief			Market Relief				Flow		TLR Action Comments		
				Total Tags Cut / Hold	IDC Cut		RC Cut Acknowledge		Hold		CA	IDC MVV	RC Ackn MVV	Type	Mkt	IDC MVV	RC Ackn MVV	Current		Post Cont.	Cont. Flow
Oct 17 13:27 (EST)	TLR 5A	NEXT	6-NN 7-F Total	2 / 0 25 / 0 27 / 0	68 80 148	5.4 13.6 19.0	68 80 148	5.4 13.6 19.0	0 0 0	0.0 0.0 0.0	CLEC EES LAGN Total	1.0 32.0 1.0 34.0	1.0 32.0 1.0 34.0	NONE					653 956 934	N/A	
Oct 17 14:28 (EST)	TLR 5A	NEXT	6-NN 7-F Total	2 / 0 30 / 0 32 / 0	65 215 280	5.2 37.2 42.3	65 215 280	5.2 37.2 42.3	0 0 0	0.0 0.0 0.0	CLEC EES LAGN Total	3.0 89.0 1.0 93.0	3.0 89.0 2.0 94.0	NONE					0 0 0	N/A	
Oct 17 15:31 (EST)	TLR 5A	NEXT	6-NN 7-F Total	2 / 0 31 / 0 33 / 0	68 217 285	6.0 43.4 49.4	68 217 285	6.0 43.4 49.4	0 0 0	0.0 0.0 0.0	CLEC EES LAGN Total	4.0 106.0 2.0 112.0	4.0 106.0 2.0 112.0	NONE					731 963 710	N/A	
Oct 17 16:29 (EST)	TLR 5A	NEXT	6-NN 7-F Total	1 / 0 18 / 0 19 / 0	18 109 127	1.2 8.6 9.7	18 109 127	1.2 8.6 9.7	0 0 0	0.0 0.0 0.0	CLEC EES LAGN Total	2.0 28.0 0.0 30.0	2.0 28.0 1.0 31.0	NONE					742 1036 900	N/A	
Oct 17 17:34 (EST)	TLR 3A	NEXT			NONE						NONE			NONE				0	0	0	N/A
Oct 17 18:30 (EST)	TLR 3A	NEXT	6-NN Total	1 / 0 1 / 0	18 18	1.2 1.2	18 18	1.2 1.2	0 0	0.0 0.0	NONE			NONE				735	1025	888	N/A
Oct 17 19:28 (EST)	TLR 3A	NEXT			NONE						NONE			NONE				0	0	0	N/A
Oct 17 20:26 (EST)	TLR 0	CURRENT			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	8	237	237	0
7	104	621	621	0
Total	112	858	858	0

TLR NNL Totals

CA	NNL Relief	
	IDC MVV	RC Ackn MVV
CLEC	10.0	10.0
EES	255.0	255.0
LAGN	4.0	6.0
Total	269.0	271.0