

# MISO ICTE Reliability: TLR 5 Event Analysis Report



**Event Date:** 5/6/2013

**Flowgate ID/Name:** FG 19166 Vienna – Ruston 115kV flo Grand Gulf Unit 1

**Metrics Tables:** TLR Date 5/6/2013 12:25  
Return to Zero 5/6/2013 20:00  
Duration 7 hours 35 minutes  
Hours in TLR 5 7 hours 35 minutes  
Highest Level 5B  
MW Cut 3978  
Firm 3978  
Non-Firm 0

## NNL:

EES	18	LEPA	
AECI		ONT	
AMIL		PJM	
CLEC		SMEE	
CSWS	5	SOCO	
EDE		SPA	
LAFA		TVA	
LAGN	113	WSCS	

## Flowgate information at the time of the TLR 5 issuance:

Line Rating: 193      GSF: 0.0645      PC MVA: 198      Contingent Element: 1465      Monitored Element: 104

## Root Cause:

This event was caused by flows increasing across the Entergy system in a north to south direction and for the loss of the Grand Gulf Unit the flows would flow west to east across the Vienna – Ruston East 115kV line heading toward the Amite south load pocket. Contributing to the increased flow on this flowgate was an increase in generation output that has lower sensitivities outside of the constrained area and reduced generation in the Amite South load pocket.

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

Type:

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

Type:

Planned Sterlington – El Dorado 500kV line on 5/6/2013

## 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

#### 19166 - Vienna - Ruston 115kv ftlo Grand Gulf unit 1 (1275mw)

	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		
CH	SUPERSEDED	5B	05/06/2013 12:25	05/06/2013 12:05	05/06/2013 12:00	-10.0	10.0	0.0	10	3	114	7	3	114	7	0	3
NH									10	3	114	7	3	114	7		
NH	<a href="#">SUPERSEDED</a>	5A	05/06/2013 13:15	05/06/2013 12:45	05/06/2013 12:44	-15.0	28.0	0.0	31	3	339	21	3	339	21	0	9
NH	<a href="#">SUPERSEDED</a>	5A	05/06/2013 14:00	05/06/2013 13:31	05/06/2013 13:27	-20.0	57.0	0.0	66	3	693	44	3	693	44	0	23
NH	<a href="#">SUPERSEDED</a>	5A	05/06/2013 15:00	05/06/2013 14:32	05/06/2013 14:30	0.0	38.0	0.0	60	3	618	39	3	618	39	0	21
NH	<a href="#">SUPERSEDED</a>	5A	05/06/2013 16:00	05/06/2013 15:29	05/06/2013 15:27	-15.0	43.0	0.0	64	3	630	41	3	630	41	0	23
NH	<a href="#">SUPERSEDED</a>	5A	05/06/2013 17:00	05/06/2013 16:31	05/06/2013 16:28	-35.0	56.0	0.0	78	3	762	50	3	762	50	0	29
NH	<a href="#">SUPERSEDED</a>	5A	05/06/2013 18:00	05/06/2013 17:32	05/06/2013 17:29	0.0	45.0	0.0	73	3	708	46	3	708	46	0	27
NH	<a href="#">SUPERSEDED</a>	5A	05/06/2013 19:00	05/06/2013 18:33	05/06/2013 18:27	+50.0	0.0	0.0	45	3	708	45	0	0	0	0	0
NH	<a href="#">TERMINATED</a>	0	05/06/2013 20:00	05/06/2013 19:31	05/06/2013 19:30	0.0	0.0	0.0	0.0	0	0	0	0	0	0	0	0

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Flowgate ID/Name:

FG 19166 Vienna – Ruston 115kV flo Grand Gulf Unit 1

## Event Summary:

### Event Summary

FILE SAVED AS: MISO\_19166\_20130506\_1125.htm

Incident:	MISO_19166_20130506_1125	Date: 05/06/2013 (EST)	Reliability Coordinator: MISO
Initial Conditions:	N/A		
Flowgate:	19166 - Vienna - Ruston 115kv flo Gra...	Rating: 0	LODF: 0.00%
TLR Direction:	Normal		
Effective StartTime:	05/06/2013 12:25 (EST)	Effective EndTime: 05/06/2013 20:00 (EST)	TLR Duration: 7 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	IDC Cut		RC Cut Acknowledge		Hold		CA	IDC MVV	RC Ackn MVV	Type	Mkt	IDC MVV	RC Ackn MVV	Current	Post Cont.			
					MVV	Relief	MVV	Relief	MVV	Relief												
May 06 12:05 (EST)	TLR 5B	CURRENT	7-F	3 / 0	114	7.2	114	7.2	0	0.0	LAGN	2.0	3.0	NONE				0	0	0	N/A	
			Total	3 / 0	114	7.2	114	7.2	0	0.0	Total	2.0	3.0									
		NEXT	7-F	3 / 0	114	7.2	114	7.2	0	0.0	NONE			NONE								
			Total	3 / 0	114	7.2	114	7.2	0	0.0												
May 06 12:45 (EST)	TLR 5A	NEXT	7-F	3 / 0	339	21.4	339	21.4	0	0.0	EES LAGN	2.0 7.0	2.0 7.0	NONE				0	0	0	N/A	
			Total	3 / 0	339	21.4	339	21.4	0	0.0	Total	9.0	9.0									
May 06 13:31 (EST)	TLR 5A	NEXT	7-F	3 / 0	693	43.8	693	43.8	0	0.0	CSWS EES LAGN	1.0 3.0 19.0	1.0 3.0 19.0	NONE				0	0	0	N/A	
			Total	3 / 0	693	43.8	693	43.8	0	0.0	Total	23.0	23.0									
May 06 14:32 (EST)	TLR 5A	NEXT	7-F	3 / 0	618	39.0	618	39.0	0	0.0	CSWS EES LAGN	1.0 3.0 18.0	1.0 3.0 18.0	NONE				0	0	0	N/A	
			Total	3 / 0	618	39.0	618	39.0	0	0.0	Total	22.0	22.0									
May 06 15:29 (EST)	TLR 5A	NEXT	7-F	3 / 0	630	41.1	630	41.1	0	0.0	CSWS EES LAGN	1.0 3.0 19.0	1.0 3.0 19.0	NONE				0	0	0	N/A	
			Total	3 / 0	630	41.1	630	41.1	0	0.0	Total	23.0	23.0									
May 06 16:31 (EST)	TLR 5A	NEXT	7-F	3 / 0	762	49.6	762	49.6	0	0.0	CSWS EES LAGN	1.0 4.0 24.0	1.0 4.0 24.0	NONE				0	0	0	N/A	
			Total	3 / 0	762	49.6	762	49.6	0	0.0	Total	29.0	29.0									
May 06 17:32 (EST)	TLR 5A	NEXT	7-F	3 / 0	708	45.5	708	45.5	0	0.0	CSWS EES LAGN	1.0 3.0 23.0	1.0 3.0 23.0	NONE				0	0	0	N/A	
			Total	3 / 0	708	45.5	708	45.5	0	0.0	Total	27.0	27.0									
May 06 18:33 (EST)	TLR 5A	NEXT	NONE								NONE			NONE				0	0	0	N/A	
May 06 19:31 (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	0	0	0	0
7	24	3978	3978	0
Total	24	3978	3978	0

### TLR NNL Totals

CA	NNL Relief	
	IDC MVV	RC Ackn MVV
CSWS	5.0	5.0
EES	18.0	18.0
LGN	112.0	113.0
Total	135.0	136.0