

ICTE TLR 5 Investigation Report
Flowgate 1911
(Hartburg-Inland Orange 230 kV for the loss of Hartburg - Cypress 500 kV)
TLR Level 5: August 6, 2009
Report Issued:

1. Description of purpose/cause of hold/curtailment.

This report is submitted in accordance with the NERC Transmission Loading Relief Investigation Procedure for the TLR 5 event that occurred on Flowgate 1911 on August 6, 2009. Flowgate 1911 is an Entergy flowgate. The TLR 5 was in effect from 6:11 PM until 7:19 PM on August 6, 2009. Projected post-contingent flows on the Hartburg-Inland Orange 230 kV line for the loss of the Hartburg - Cypress 500 kV line exceeded the SOL.

2. Facility/flowgate limitations and flows at the time the TLR was initiated.

At the time the TLR 5b was issued, the Limiting Element was rated at 709 MVA. Flow on the Limiting Element was 398 MVA. Flow on the Contingent Element was 872 MVA. The LODF was approximately 46%. Post-contingent flow on the Limiting Element was approximately 795 MVA.

3. TLR levels, timing, and relief requested amounts.

TLRs levels, timing and relief requested amounts are shown on pages 2 and 3.

4. Transmission and generation outages or changes from prediction that may have contributed.

Nelson 6 was derated during this time for an unplanned issue.

5. Procedures implemented prior to hold/curtailment.

Curtailed non-firm transactions, not enough non-firm to alleviate the flowgate.

6. The initial investigation shall compare all transaction curtailment lists as generated by the IDC with the list of transactions flowing as determined by the IDC (Whole Transaction Lists) both before and after curtailment. The reasons for any transactions that were excluded from curtailment shall be provided. For those transactions not curtailed, the Reliability Authority will identify those entities and any affiliation with said entities.

There were no known transactions excluded from curtailment for this TLR.

7. List of known transactions not in the IDC with Transaction Contribution Factors greater than the curtailment threshold and actions taken to curtail such transactions.

There were no known transactions not in the IDC.

8. Excerpts from the RA Operations Log containing information relevant to the TLR event.

Information was provided to Reliability Coordinators through the IDC and the RCIS. Also the ICTE Reliability Coordinators logged information describing the actions taken at each issuance of the TLR.

9. Flowgate limitations as identified by security analysis processes conducted by the Reliability Authority for the day prior to the TLR event.

In the next day process, we did not see an issue with this flowgate, based off of the peak study.

10. State Estimator snapshots and security analysis, including any contingency analysis or stability analysis, along with any other recorded data indicating need for TLR.

The ICTE Reliability Coordinator was monitoring their state estimator for potential issues during this time. Screen shots were taken during each issuance of the TLR level 5.

11. ATC limitations before, during, and after the TLR event.

ICT Tariff Administration grants transmission service using an AFC process. This process evaluates each transmission request on a case by case basis. There are no ATC values for individual corridors to or from the Entergy system. ICT Tariff Administration was not granting any transmission requests that impacted the congested flowgate by 3 % or greater at the time of the TLR 5.

12. Description of actions taken to avoid future hold/curtailments.

This TLR was caused by a combination of generation patterns, load, and system flows. Due to this situation, no actions were taken to avoid future hold/curtailments.

13. Provide IDC generated Congestion Management Reports showing transaction curtailment list and Control Area NNL (network and native load) curtailment responsibility.

Congestion Management Reports for each issuance of the TLR have been reviewed and kept on file. These screen shots are not being provided to reduce the size of this report

14. Re-dispatch actions taken.

Entergy achieved their NNL obligation by moving generation on Little Gypsy, Sabine 4 and 5, and Lewis Creek.

Event History									
Issuing RC:		ICTE							
Flowgate:		1911 - Hartburg-Inland Orange 230 kV for the loss of Hartburg-Cypress 500 kV							
Event Begin:		2009-08-06 16:30							
Event End:		2009-08-06 22:35							
Event Duration:		6 Hours							
TLR Level	TLR Date (CST)	TLR Confirm Time (CST)	Run Time (CST)	Requested Relief	Remaining Relief	Relief Provided	Total Cuts		
TLR Level 4	08/06/2009 16:30	08/06/2009 16:17	08/06/2009 16:16:59	0.0	0.0	0.0	2	267	
TLR Level 5B	08/06/2009 17:25	08/06/2009 17:12	08/06/2009 17:11:40	40.0	0.0	40.5	11	48	
TLR Level 1	08/06/2009 18:30	08/06/2009 18:20	08/06/2009 18:19:39	0.0	0.0	0.0	0	0	
TLR Level 0	08/06/2009 22:35	08/06/2009 22:26	08/06/2009 22:25:22	0.0	0.0	0.0	0	0	
10/05/2009 13:57:36 (CST) OATI IDC Support Phone: 763-201-2010 Fax: 763-553-2813 Copyright 2009 - Interchange Distribution Calculator (OATI IDC) - Open Access Technology International, Inc. All Rights Reserved.									

Event Summary

FILE SAVED AS: ICTE_1911_20090806_1630.htm

Incident: ICTE_1911_20090806_1630	Date: 08/06/2009	Reliability Coordinator: ICTE
Initial Conditions: N/A		
Flowgate: 1911 - Hartburg-Inland Orange 230 kV ...	Rating: 681	LODF: 45.55%
TLR Direction: Normal		
Effective StartTime: 08/06/2009 16:30	Effective EndTime: 08/06/2009 22:35	TLR Duration: 6 Hours and 5 Minutes

TLR Actions

Confirm Time	Level	Effective Hour	Priority	Schedule								NNL Relief			Market Relief				Flow			TLR Action Comments
				Total Tags Cut / Hold	MW	Relief	MW	Relief	MW	Relief	MW	Relief	CA	IDC MW	RC Ackn MW	Type	Mkt	IDC MW	RC Ackn MW	Current	Post Cont.	
Aug 06 16:17	TLR 4	CURRENT	6-NN	2 / 0	267	13.5	267	13.5	0	0.0	NONE			NONE				395	796	882	N/A	
		Total	2 / 0	267	13.5	267	13.5	0	0.0													
		NEXT	6-NN	1 / 0	17	0.9	17	0.9	0	0.0	NONE			NONE								
		Total	1 / 0	17	0.9	17	0.9	0	0.0													
Aug 06 17:12	TLR 5B	CURRENT	7-F	11 / 0	48	3.5	48	3.5	0	0.0	EES	35.0	35.0	NONE				398	795	872	N/A	
		Total	11 / 0	48	3.5	48	3.5	0	0.0	LAGN	2.0	2.0										
		NEXT	7-F	11 / 0	48	3.5	48	3.5	0	0.0	NONE			NONE								
		Total	11 / 0	48	3.5	48	3.5	0	0.0													
Aug 06 18:20	TLR 1	CURRENT									NONE			NONE				343	682	746	N/A	
Aug 06 22:28	TLR 0	CURRENT									NONE			NONE				292	590	655	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	0	0	0	0
3	0	0	0	0
4	0	0	0	0
5	0	0	0	0
6	3	284	284	0
7	22	96	96	0
Total	25	380	380	0

TLR NNL Totals

CA	NNL Relief	
	IDC MW	RC Ackn MW
EES	35.0	35.0
LAGN	2.0	2.0
Total	37.0	37.0