

ICTE TLR 5 Investigation Report
Flowgate 1309
(Terrebonne-Greenwood 115 kV for loss of Webre-Wells 500 kV)
TLR Level 5: November 17, 2008
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 1309 on November 17, 2008. Flowgate 1309 is an Entergy flowgate. The TLR 5 was in effect from 4:42 AM until 9:28 AM CST on November 17, 2008. Projected post-contingent flows on the Terrebonne-Greenwood line for the loss of the Webre-Wells line exceeded the SOL.

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

At the time the TLR 5a was issued, the Limiting Element was rated at 250 MVA. Flow on the Limiting Element was 128 MVA. Flow on the Contingent Element was 1158 MVA. The LODF was approximately 12%. Post-contingent flow on the Limiting Element was approximately 267 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.

Cottonwood tripped out of service briefly.

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 during this TLR Level 5 by moving generation on Nelson units 3, 4 and 6.

Event History									
Issuing RC:		ICTE							
Flowgate:		1309 - Terrebonne-Greenwood for loss of Webre-Wells							
Event Begin:		2008-11-17 03:30							
Event End:		2008-11-17 12:40							
Event Duration:		9 Hours							
TLR Level	TLR Date (CST)	TLR Confirm Time (CST)	Run Time (CST)	Requested Relief	Remaining Relief	Relief Provided	Total Cuts		
							Tags	MW	
TLR Level 1	11/17/2008 03:30	11/17/2008 03:20	11/17/2008 03:20:11	0.0	0.0	0.0	0	0	
TLR Level 4	11/17/2008 03:45	11/17/2008 03:40	11/17/2008 03:39:50	0.0	0.0	0.0	1	31	
TLR Level 4	11/17/2008 04:35	11/17/2008 04:26	11/17/2008 04:25:42	0.0	0.0	0.0	0	0	
TLR Level 5A	11/17/2008 05:00	11/17/2008 04:42	11/17/2008 04:42:22	22.0	0.0	22.0	16	85	
TLR Level 5A	11/17/2008 06:00	11/17/2008 05:30	11/17/2008 05:29:46	0.0	0.0	5.4	14	22	
TLR Level 5A	11/17/2008 07:00	11/17/2008 06:31	11/17/2008 06:31:02	0.0	0.0	0.0	0	0	
TLR Level 5A	11/17/2008 08:00	11/17/2008 07:26	11/17/2008 07:26:05	0.0	0.0	0.0	0	0	
TLR Level 5A	11/17/2008 09:00	11/17/2008 08:28	11/17/2008 08:28:03	0.0	0.0	0.0	0	0	
TLR Level 5A	11/17/2008 10:00	11/17/2008 09:28	11/17/2008 09:28:05	0.0	0.0	0.0	0	0	
TLR Level 4	11/17/2008 10:40	11/17/2008 10:26	11/17/2008 10:26:27	0.0	0.0	0.0	0	0	
TLR Level 4	11/17/2008 11:35	11/17/2008 11:26	11/17/2008 11:25:43	0.0	0.0	0.0	0	0	
TLR Level 0	11/17/2008 12:40	11/17/2008 12:27	11/17/2008 12:26:53	0.0	0.0	0.0	0	0	

12/03/2008 16:29:15 (CST)
 OATI IDC Support Phone: 763-201-2010 Fax: 763-553-2813
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Event Summary

FILE SAVED AS: ICTE_1309_20081117_0330.htm

Incident: ICTE_1309_20081117_0330	Date: 11/17/2008	Reliability Coordinator: ICTE
Initial Conditions: N/A		
Flowgate: 1309 - Terrebonne-Greenwood for loss ...	Rating: 250	LODF: 12.22%
TLR Direction: Normal		
Effective StartTime: 11/17/2008 03:30	Effective EndTime: 11/17/2008 12:40	TLR Duration: 9 Hours and 10 Minutes

TLR Actions

Confirm Time	Level	Effective Hour	Priority	Schedule							NNL Relief			Market Relief				Flow			TLR Action Comments
				Total Tags Cut / Hold	IDC Cut MW	Relief MW	RC Cut Acknowledge MW	Relief MW	Hold MW	Relief MW	CA	IDC MW	RC Ackn MW	Type	Mkt	IDC MW	RC Ackn MW	Current	Post Cont.	Cont. Flow	
Nov 17 03:20	TLR 1	CURRENT		NONE							NONE			NONE				111	237	1032	N/A
Nov 17 03:40	TLR 4	CURRENT	2-NH Total	1 / 0 1 / 0	31 82	3.3 3.3	31 31	3.3 3.3	0 0	0.0 0.0	NONE			NONE				113	243	1065	N/A
		NEXT	2-NH Total	2 / 0 2 / 0	51 82	5.2 5.2	51 51	5.2 5.2	0 0	0.0 0.0	NONE			NONE							
Nov 17 04:26	TLR 4	CURRENT		NONE							NONE			NONE				120	250	1068	N/A
		NEXT	2-NH Total	1 / 1 1 / 1	23 23	2.2 2.2	23 23	2.2 2.2	26 26	2.7 2.7	NONE			NONE							
Nov 17 04:42	TLR 5A	NEXT	2-NH 7-F Total	1 / 1 15 / 1 16 / 2	23 62 85	2.2 8.8 9.0	23 62 85	2.2 8.8 9.0	26 26 52	2.7 2.7 5.5	EES LAGN Total	9.0 5.0 14.0	9.0 5.0 14.0	NONE				128	269	1158	N/A
		NEXT	7-F Total	14 / 0 14 / 0	22 22	2.4 2.4	22 22	2.4 2.4	0 0	0.0 0.0	EES LAGN Total	2.0 1.0 3.0	2.0 1.0 3.0	NONE				99	209	906	N/A
Nov 17 08:31	TLR 5A	NEXT		NONE							NONE			NONE				122	238	951	N/A
Nov 17 07:26	TLR 5A	NEXT		NONE							NONE			NONE				126	246	975	N/A
Nov 17 08:23	TLR 5A	NEXT		NONE							NONE			NONE				114	232	972	N/A
Nov 17 08:23	TLR 5A	NEXT		NONE							NONE			NONE				113	233	984	N/A
Nov 17 10:26	TLR 4	CURRENT		NONE							NONE			NONE				111	216	861	N/A
		NEXT		NONE							NONE			NONE							
Nov 17 11:26	TLR 4	CURRENT		NONE							NONE			NONE				112	225	925	N/A
		NEXT		NONE							NONE			NONE							
Nov 17 12:27	TLR 0	CURRENT		NONE							NONE			NONE				103	214	911	N/A

TLR Schedule Totals

Priority	Schedule				
	Total Tags Cut / Hold	IDC Cut MW	RC Cut Acknowledge MW	Hold MW	Relief MW
0	0	0	0	0	0
1	0	0	0	0	0
2	5	128	128	52	
3	0	0	0	0	0
4	0	0	0	0	0
5	0	0	0	0	0
6	0	0	0	0	0
7	29	84	84	26	
Total	34	212	212	78	

TLR NNL Totals

	NNL Relief	
	IDC MW	RC Ackn MW
EES	11.0	11.0
LAGN	6.0	6.0
Total	17.0	17.0