

ICTE TLR 5 Investigation Report
Flowgate 15328
(Addis - Tiger 230 kV for the loss of Fancy Point - McKnight 500 kV)
TLR Level 5: October 1, 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 15328 on October 1, 2008. Flowgate 15328 is an Entergy flowgate. The TLR 5 was in effect from 10:20 AM until 8:28 PM CST on October 1, 2008. Projected post-contingent flows on the Addis - Tiger 230 kV line for the loss of the Fancy Point - McKnight 500 kV line exceeded the SOL.

This TLR is a continuation of the TLR 5A issued on September 30, 2008. All TLRs had to be closed for application maintenance.

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 471 MVA. Flow on the Limiting Element was 400 MVA. Flow on the Contingent Element was 944 MVA. The LODF was approximately 15%. Post-contingent flow on the Limiting Element was approximately 539 MVA.

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

TLRs levels, timing and relief requested amounts are shown on pages 3, 4, and 5.

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

There were unplanned outages. Willow Glen – Webre 500 kV and Chenago – Iberville 230 kV had storm damage.

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 the NNL requirements by moving generation on Willow Glenn 1 and 2, Waterford 1 and 2, DowChem, and Little Gypsy 3.

Event History

Issuing RC: ICTE
Flowgate: 15328 - Addis Tiger230 kv (ftlo) Fancy Point Mcknight 500 kv
Event Begin: 2008-10-01 06:00
Event End: 2008-10-01 23:35
Event Duration: 17 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 3A	10/01/2008 06:00	10/01/2008 05:25	10/01/2008 05:25:07	70.0	24.8	45.2	2	409
TLR Level 3A	10/01/2008 07:00	10/01/2008 06:27	10/01/2008 06:27:00	42.0	3.7	38.3	1	309
TLR Level 3A	10/01/2008 08:00	10/01/2008 07:27	10/01/2008 07:27:05	102.0	63.7	38.3	1	309
TLR Level 3A	10/01/2008 09:00	10/01/2008 08:30	10/01/2008 08:30:26	110.0	71.5	38.5	1	309
TLR Level 5B	10/01/2008 09:30	10/01/2008 09:20	10/01/2008 09:17:52	50.0	0.0	50.0	13	127
TLR Level 5A	10/01/2008 11:00	10/01/2008 10:28	10/01/2008 10:28:12	10.0	0.0	46.9	13	109
TLR Level 5A	10/01/2008 12:00	10/01/2008 11:27	10/01/2008 11:27:09	13.0	0.0	48.5	15	125
TLR Level 5A	10/01/2008 13:00	10/01/2008 12:29	10/01/2008 12:28:23	10.0	0.0	46.0	15	119
TLR Level 5A	10/01/2008 14:00	10/01/2008 13:30	10/01/2008 13:29:41	22.0	0.0	56.2	15	143
TLR Level 5A	10/01/2008 15:00	10/01/2008 14:28	10/01/2008 14:27:16	14.0	0.0	56.0	15	138
TLR Level 5A	10/01/2008 16:00	10/01/2008 15:29	10/01/2008 15:28:36	16.0	0.0	57.8	15	148
TLR Level 5A	10/01/2008 17:00	10/01/2008 16:29	10/01/2008 16:29:13	19.0	0.0	62.2	15	159
TLR Level 5A	10/01/2008 18:00	10/01/2008 17:30	10/01/2008 17:29:49	0.0	0.0	45.2	15	115
TLR Level 5A	10/01/2008 19:00	10/01/2008 18:31	10/01/2008 18:30:56	0.0	0.0	7.6	15	23
TLR Level 5A	10/01/2008 20:00	10/01/2008 19:29	10/01/2008 19:28:56	0.0	0.0	0.0	0	0
TLR Level 4	10/01/2008 20:40	10/01/2008 20:27	10/01/2008 20:26:42	0.0	0.0	0.0	0	0
TLR Level 1	10/01/2008 21:40	10/01/2008 21:27	10/01/2008 21:27:34	0.0	0.0	0.0	0	0
TLR Level 0	10/01/2008 23:35	10/01/2008 23:23	10/01/2008 23:23:41	0.0	0.0	0.0	0	0

10/16/2008 12:58:11 (CST)

OATI IDC Support Phone: 763-201-2010 Fax: 763-553-2813

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Event Summary

FILE SAVED AS: ICTE_15328_20081001_0600.htm

Incident: ICTE_15328_20081001_0600	Date: 10/01/2008	Reliability Coordinator: ICTE
Initial Conditions: N/A		
Flowgate: 15328 - Addis Tiger 230 kv (ftlo) Fancy...	Rating: 470	LODF: 15.00%
TLR Direction: Normal		
Effective StartTime: 10/01/2008 06:00	Effective EndTime: 10/01/2008 23:35	TLR Duration: 17 Hours and 35 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 MW	RC Achn MW	Type	Mkt	IDC MW	RC Achn MW	Current	Post Cont.	Cont. Flow	
				MW	Relief	MW	Relief	MW	Relief	MW	Relief											
Oct 01 05:25	TLR 3A	NBXT	1-NS 2-NH Total	1 / 0 2 / 0 3 / 0	218 191 409	27.0 18.2 45.2	218 191 409	27.0 18.2 45.2	0 0 0	0.0 0.0 0.0	NONE	NONE	NONE	NONE	NONE	NONE	383	498	905	N/A		
Oct 01 06:27	TLR 3A	NBXT	1-NS 2-NH Total	1 / 0 1 / 0 2 / 0	218 91 309	27.0 11.3 38.3	218 91 309	27.0 11.3 38.3	0 0 0	0.0 0.0 0.0	NONE	NONE	NONE	NONE	NONE	NONE	365	484	797	N/A		
Oct 01 07:27	TLR 3A	NBXT	1-NS 2-NH Total	1 / 0 1 / 0 2 / 0	218 91 309	27.0 11.3 38.3	218 91 309	27.0 11.3 38.3	0 0 0	0.0 0.0 0.0	NONE	NONE	NONE	NONE	NONE	NONE	382	502	802	N/A		
Oct 01 08:30	TLR 3A	NBXT	1-NS 2-NH Total	1 / 0 1 / 0 2 / 0	218 91 309	27.2 11.3 38.5	218 91 309	27.2 11.3 38.5	0 0 0	0.0 0.0 0.0	NONE	NONE	NONE	NONE	NONE	NONE	378	508	872	N/A		
Oct 01 09:20	TLR 5B	CURRENT	7-F Total	13 / 0 13 / 0	127 127	13.1 13.1	127 127	13.1 13.1	0 0	0.0 0.0	EES LAGN Total	26.0 11.0 37.0	26.0 11.0 37.0	NONE	NONE	NONE	400	541	944	N/A		
		NBXT	7-F Total	12 / 1 12 / 1	117 127	12.0 12.0	117 117	12.0 12.0	52 52	5.8 5.8	NONE	NONE	NONE	NONE	NONE	NONE	NONE					
Oct 01 10:28	TLR 5A	NBXT	7-F Total	13 / 0 13 / 0	109 109	11.3 11.3	109 109	11.3 11.3	0 0	0.0 0.0	EES LAGN Total	26.0 10.0 36.0	26.0 10.0 36.0	NONE	NONE	NONE	350	484	899	N/A		
Oct 01 11:27	TLR 5A	NBXT	7-F Total	15 / 0 15 / 0	125 125	12.4 12.4	125 125	12.4 12.4	0 0	0.0 0.0	EES LAGN Total	26.0 10.0 36.0	26.0 10.0 36.0	NONE	NONE	NONE	350	473	824	N/A		
Oct 01 12:29	TLR 5A	NBXT	7-F Total	15 / 0 15 / 0	119 119	11.8 11.8	119 119	11.8 11.8	0 0	0.0 0.0	EES LAGN Total	25.0 9.0 34.0	25.0 9.0 34.0	NONE	NONE	NONE	350	464	766	N/A		
Oct 01 13:30	TLR 5A	NBXT	7-F Total	15 / 0 15 / 0	143 143	14.2 14.2	143 143	14.2 14.2	0 0	0.0 0.0	EES LAGN Total	31.0 11.0 42.0	31.0 11.0 42.0	NONE	NONE	NONE	360	466	711	N/A		
Oct 01 14:29	TLR 5A	NBXT	7-F Total	15 / 0 15 / 0	138 138	14.0 14.0	138 138	14.0 14.0	0 0	0.0 0.0	EES LAGN Total	31.0 11.0 42.0	31.0 11.0 42.0	NONE	NONE	NONE	336	437	677	N/A		

Oct 01 15:29	TLR 5A	NEXT	7-F Total	15 / 0 15 / 0	148 148	14.9 14.9	148 148	14.9 14.9	0 0	0.0 0.0	EES LAGN Total	32.0 11.0 43.0	32.0 12.0 44.0	NONE	334	440	710	N/A
Oct 01 16:29	TLR 5A	NEXT	7-F Total	15 / 0 15 / 0	159 159	16.0 16.0	159 159	16.0 16.0	0 0	0.0 0.0	EES LAGN Total	34.0 13.0 47.0	34.0 13.0 47.0	NONE	347	464	783	N/A
Oct 01 17:30	TLR 5A	NEXT	7-F Total	15 / 0 15 / 0	115 115	11.5 11.5	115 115	11.5 11.5	0 0	0.0 0.0	EES LAGN Total	25.0 9.0 34.0	25.0 9.0 34.0	NONE	314	425	741	N/A
Oct 01 18:31	TLR 5A	NEXT	7-F Total	15 / 0 15 / 0	23 23	2.3 2.3	23 23	2.3 2.3	0 0	0.0 0.0	EES LAGN Total	4.0 2.0 6.0	4.0 2.0 6.0	NONE	299	402	690	N/A
Oct 01 19:29	TLR 5A	NEXT	NONE								NONE		NONE	297	408	742	N/A	
Oct 01 20:27	TLR 4	CURRENT	NONE								NONE		NONE	294	411	784	N/A	
		NEXT	1-NS 2-NH 6-NN Total	1 / 0 1 / 0 1 / 0 3 / 0	103 170 46 319	5.8 12.2 2.6 20.6	103 170 46 319	5.8 12.2 2.6 20.6	0 0 0 0	0.0 0.0 0.0 0.0	NONE		NONE					
Oct 01 21:27	TLR 1	CURRENT	NONE								NONE		NONE	213	280	451	N/A	
Oct 01 23:23	TLR 0	CURRENT	NONE								NONE		NONE	231	312	540	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	5	975	975	0
2	6	634	634	0
3	0	0	0	0
4	0	0	0	0
5	0	0	0	0
6	1	46	46	0
7	168	1323	1323	52
Total	170	2978	2978	52

TLR>NNL Totals

CA	NNL Relief	
	IDC MW	RC Ackn MW
EES	260.0	260.0
LAGN	97.0	98.0
Total	357.0	358.0