

ICTE TLR 5 Investigation Report
Flowgate 1330
(McAdams 500-230 for the loss of McAdams -Lakeover 500 kV)
TLR Level 5: June 26, 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 1330 on June 26, 2009. Flowgate 1330 is an Entergy flowgate. The TLR 5 was in effect from 1:39 PM until 6:29 PM on June 26, 2009. Projected post-contingent flows on the McAdams 500-230 line for the loss of the McAdams -Lakeover 500 kV 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 615 MVA. Flow on the Limiting Element was 473 MVA. Flow on the Contingent Element was 526 MVA. The LODF was approximately 43%. Post-contingent flow on the Limiting Element was approximately 699 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.

There were no unplanned outages.

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.

Transaction SPA_LUSPS0003218_LAFA was excluded from curtailment for this TLR. LAFA and LEPA were in EEA 3's at this time.

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 Andrus 1, Attala 1, and Baxter Wilson1.

Event History								
Issuing RC:		ICTE						
Flowgate:		1330 - McAdams500-230 for loss of McAdams-Lakeover						
Event Begin:		2009-06-26 11:20						
Event End:		2009-06-26 19:30						
Event Duration:		8 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	06/26/2009 11:20	06/26/2009 11:10	06/26/2009 11:10:15	0.0	0.0	0.0	0	0
TLR Level 5A	06/26/2009 13:00	06/26/2009 12:42	06/26/2009 12:39:57	54.0	0.0	54.8	27	219
TLR Level 5A	06/26/2009 14:00	06/26/2009 13:27	06/26/2009 13:27:03	18.0	0.0	55.4	30	148
TLR Level 5A	06/26/2009 15:00	06/26/2009 14:28	06/26/2009 14:25:59	0.0	0.0	21.4	26	70
TLR Level 5A	06/26/2009 16:00	06/26/2009 15:28	06/26/2009 15:26:35	3.0	0.0	18.8	24	59
TLR Level 5A	06/26/2009 17:00	06/26/2009 16:28	06/26/2009 16:27:05	4.0	0.0	18.2	22	57
TLR Level 5A	06/26/2009 18:00	06/26/2009 17:29	06/26/2009 17:26:55	0.0	0.0	11.5	14	33
TLR Level 1	06/26/2009 18:45	06/26/2009 18:34	06/26/2009 18:33:35	0.0	0.0	0.0	0	0
TLR Level 0	06/26/2009 19:30	06/26/2009 19:13	06/26/2009 19:13:18	0.0	0.0	0.0	0	0

07/24/2009 10:10:25 (CST)
 OATI IDC Support Phone: 763-201-2010 Fax: 763-553-2813
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Event Summary

FILE SAVED AS: ICTE_1330_20090626_1120.htm

Incident:	ICTE_1330_20090626_1120	Date:	06/26/2009	Reliability Coordinator:	ICTE
Initial Conditions:	N/A				
Flowgate:	1330 - McAdams500-230 for loss of McA...	Rating:	615	LODF:	38.54%
TLR Direction:	Normal				
Effective StartTime:	06/26/2009 11:20	Effective EndTime:	06/26/2009 19:30	TLR Duration:	8 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	MV	IDC Cut	RC Cut Acknowledge	MV	Relief	MV	Relief	CA	IDC MV	RC Ackn MV	Type	Mkt	IDC MV		RC Ackn MV
Jun 26 11:10	TLR 1	CURRENT		NONE						NONE			NONE		430	612	473	N/A	
Jun 26 12:42	TLR 5A	NEXT	2-NH 6-NN 7-F	1 / 0 2 / 0 23 / 1	52 23 138	4.2 1.4 12.6	52 23 138	4.2 1.4 12.6	0 0 10	0.0 0.0 0.6	EES TVA	28.0 11.0	28.0 11.0	NONE		473	876	528	N/A
			Total	26 / 1	213	18.1	213	18.1	10	0.6	Total	37.0	37.0						
Jun 26 13:27	TLR 5A	NEXT	7-F	30 / 1	148	14.4	148	14.4	125	7.9	EES TVA	29.0 12.0	29.0 13.0	NONE		441	593	395	N/A
			Total	30 / 1	148	14.4	148	14.4	125	7.9	Total	41.0	42.0						
Jun 26 14:28	TLR 5A	NEXT	7-F	26 / 1	70	6.5	70	6.5	8	0.5	EES TVA	10.0 5.0	10.0 5.0	NONE		402	528	328	N/A
			Total	26 / 1	70	6.5	70	6.5	8	0.5	Total	15.0	15.0						
Jun 26 14:29	TLR 5A	NEXT	7-F	24 / 0	59	5.6	59	5.6	0	0.0	EES TVA	9.0 4.0	9.0 4.0	NONE		428	581	399	N/A
			Total	24 / 0	59	5.6	59	5.6	0	0.0	Total	13.0	13.0						
Jun 26 15:23	TLR 5A	NEXT	7-F	22 / 0	57	5.4	57	5.4	0	0.0	EES TVA	9.0 4.0	9.0 4.0	NONE		434	595	419	N/A
			Total	22 / 0	57	5.4	57	5.4	0	0.0	Total	13.0	13.0						
Jun 26 17:29	TLR 5A	NEXT	7-F	14 / 0	33	3.3	33	3.3	0	0.0	EES TVA	8.0 2.0	8.0 3.0	NONE		405	541	354	N/A
			Total	14 / 0	33	3.3	33	3.3	0	0.0	Total	8.0	9.0						
Jun 26 18:34	TLR 1	CURRENT		NONE						NONE			NONE		383	448	221	N/A	
Jun 26 19:13	TLR 0	CURRENT		NONE						NONE			NONE		329	455	327	N/A	

TLR Schedule Totals

Priority	Schedule			
	Total Tags Cut / Hold	IDC Cut MV	RC Cut Acknowledge MV	Hold MV
0	0	0	0	0
1	0	0	0	0
2	1	52	52	0
3	0	0	0	0
4	0	0	0	0
5	0	0	0	0
6	2	23	23	0
7	139	505	505	143
Total	142	580	580	143

TLR NNL Totals

CA	NNL Relief	
	IDC MV	RC Ackn MV
EES	89.0	89.0
TVA	38.0	40.0
Total	127.0	129.0