

ICTE TLR 5 Investigation Report
Flowgate 16487
(McAdams AT1 500/230 kV for the loss of Choctaw Gas - West Point 500 kV)
TLR Level 5: July 23, 2010
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 16487 on July 23, 2010. Flowgate 16487 is an Entergy flowgate. The TLR 5 was in effect from 11:33 AM until 10:30 PM on July 23, 2010. Projected post-contingent flows on the McAdams AT1 500/230 kV line for the loss of the Choctaw Gas - West Point 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 354 MVA. Flow on the Contingent Element was 1063 MVA. The LODF was approximately 27%. Post-contingent flow on the Limiting Element was approximately 641 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.

Gerald Andrus unit tripped on 07/21/2010.

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 had no NNL obligation.

Event History									
Issuing RC:		ICTE							
Flowgate:		16487 - McAdams AT1 ftlo Choctaw-West Point 500kV							
Event Begin:		2010-07-23 11:00							
Event End:		2010-07-23 22:35							
Event Duration:		11 Hours							
TLR Level	TLR Date	TLR Confirm Time	Run Time	Requested Relief	Remaining Relief	Relief Provided	Total Cuts		
							Tags	MW	
TLR Level 5A	07/23/2010 11:00	07/23/2010 10:41	07/23/2010 10:37:43	48.0	0.0	48.0	0	0	
TLR Level 5A	07/23/2010 12:00	07/23/2010 11:31	07/23/2010 11:29:09	0.0	0.0	41.0	0	0	
TLR Level 5A	07/23/2010 13:00	07/23/2010 12:27	07/23/2010 12:26:09	0.0	0.0	41.0	0	0	
TLR Level 5A	07/23/2010 14:00	07/23/2010 13:29	07/23/2010 13:28:26	35.0	0.0	76.0	0	0	
TLR Level 5A	07/23/2010 15:00	07/23/2010 14:27	07/23/2010 14:26:42	0.0	0.0	75.0	0	0	
TLR Level 5A	07/23/2010 16:00	07/23/2010 15:31	07/23/2010 15:30:30	2.0	0.0	77.0	0	0	
TLR Level 5A	07/23/2010 17:00	07/23/2010 16:36	07/23/2010 16:34:14	0.0	0.0	77.0	0	0	
TLR Level 5A	07/23/2010 18:00	07/23/2010 17:34	07/23/2010 17:33:09	0.0	0.0	77.0	0	0	
TLR Level 5A	07/23/2010 19:00	07/23/2010 18:29	07/23/2010 18:28:11	0.0	0.0	77.0	0	0	
TLR Level 5A	07/23/2010 20:00	07/23/2010 19:29	07/23/2010 19:28:10	0.0	0.0	77.0	0	0	
TLR Level 5A	07/23/2010 21:00	07/23/2010 20:31	07/23/2010 20:27:19	0.0	0.0	77.0	0	0	
TLR Level 5A	07/23/2010 22:00	07/23/2010 21:34	07/23/2010 21:31:08	0.0	0.0	49.0	0	0	
TLR Level 0	07/23/2010 22:35	07/23/2010 22:22	07/23/2010 22:21:19	0.0	0.0	0.0	0	0	

Event Summary

FILE SAVED AS: ICTE_16487_20100723_1100.htm

Incident: ICTE_16487_20100723_1100	Date: 07/23/2010	Reliability Coordinator: ICTE
Initial Conditions: N/A		
Flowgate: 16487 - McAdams AT1 ftlio Choctaw-West ...	Rating: 615	LODF: 26.90%
TLR Direction: Normal		
Effective StartTime: 07/23/2010 11:00	Effective EndTime: 07/23/2010 22:35	TLR Duration: 11 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 MV	Relief	RC Cut Acknowledge MV	Relief	Hold MV	Relief	CA	IDC MV	RC Ackn MV	Type	Mkt	IDC MV	RC Ackn MV	Current		Post Cont.	Cont. Flow	
Jul 23 10:41	TLR 5A	NEXT				NONE					TVA	48.0	48.0		NONE				354	639	1063	N/A
											Total	48.0	48.0									
Jul 23 11:31	TLR 5A	NEXT				NONE					TVA	41.0	41.0		NONE				358	600	910	N/A
											Total	41.0	41.0									
Jul 23 12:27	TLR 5A	NEXT				NONE					TVA	41.0	41.0		NONE				378	616	885	N/A
											Total	41.0	41.0									
Jul 23 13:29	TLR 5A	NEXT				NONE					TVA	76.0	76.0		NONE				393	616	830	N/A
											Total	76.0	76.0									
Jul 23 14:27	TLR 5A	NEXT				NONE					TVA	75.0	75.0		NONE				375	592	810	N/A
											Total	75.0	75.0									
Jul 23 15:31	TLR 5A	NEXT				NONE					TVA	77.0	77.0		NONE				382	593	750	N/A
											Total	77.0	77.0									
Jul 23 16:36	TLR 5A	NEXT				NONE					TVA	77.0	77.0		NONE				370	590	819	N/A
											Total	77.0	77.0									
Jul 23 17:34	TLR 5A	NEXT				NONE					TVA	77.0	77.0		NONE				357	562	763	N/A
											Total	77.0	77.0									
Jul 23 18:29	TLR 5A	NEXT				NONE					TVA	77.0	77.0		NONE				328	585	881	N/A
											Total	77.0	77.0									
Jul 23 19:29	TLR 5A	NEXT				NONE					TVA	77.0	77.0		NONE				299	573	1020	N/A
											Total	77.0	77.0									
Jul 23 20:31	TLR 5A	NEXT				NONE					TVA	77.0	77.0		NONE				276	581	1137	N/A
											Total	77.0	77.0									
Jul 23 21:34	TLR 5A	NEXT				NONE					TVA	49.0	49.0		NONE				265	532	995	N/A
											Total	49.0	49.0									
Jul 23 22:22	TLR 0	CURRENT				NONE									NONE				230	427	733	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	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	0	0	0	0
Total	0	0	0	0

TLR NNL Totals

NNL Relief		
CA	IDC MV	RC Ackn MV
TVA	792.0	792.0
Total	792.0	792.0

07/23/10	1106	ICP/LAP Assessment	Assessed as LAP PC 104%
07/23/10	1122	LAP	EES (Mathew) opened LAP, Oasis REF # 274836.
07/23/10	1133	TLR - 5a	Issued TLR 5a. EES notified. EES tariff to Zero Affecting AFCs through 17:00. Oasis Ref #274845. TVA NNL of 48.0
07/23/10	1230	TLR - 5a	Re - Issued TLR 5a. PC 98% EES notified. EES tariff to Zero Affecting AFCs through 17:00. Oasis Ref #274845. TVA NNL of 41.0

07/23/10	1330	TLR - 5a	Re - Issued TLR 5a. PC 100% EES notified. EES tariff to Zero Affecting AFCs through 17:00. Oasis Ref #274845. TVA NNL of 41.0
07/23/10	1430	TLR - 5a	Re - Issued TLR 5a. PC 100% EES notified. EES tariff to Zero Affecting AFCs through 17:00. Oasis Ref #274845. TVA NNL of 76.0
07/23/10	1530	TLR - 5a	Re - Issued TLR 5a. PC 97% EES notified. EES tariff to Zero Affecting AFCs through 17:00. Oasis Ref #274845. TVA NNL of 75.0
07/23/10	1632	TLR - 5a	Re - Issued TLR 5a. PC 95% EES notified. EES tariff to Zero Affecting AFCs through 23:00. Oasis Ref #274845. TVA NNL of 75.0
07/23/10	1736	TLR - 5a	ICT RC reissued TLR-5A on FG. PC 96%. NNL respnsibility notified. TVA NNL - 77 MW.
07/23/10	1834	TLR - 5a	ICT RC reissued TLR-5A on FG. PC 91%. NNL respnsibility notified. TVA NNL - 77 MW.
07/23/10	1929	TLR - 5a	ICT RC reissued TLR-5A on FG. PC 92%. NNL respnsibility notified. TVA NNL - 77 MW.
07/23/10	2029	TLR - 5a	ICT RC reissued TLR-5A on FG. PC 93%. NNL respnsibility notified. TVA NNL - 77 MW.
07/23/10	2131	TLR - 5a	ICT RC reissued TLR-5A on FG. PC 95%. NNL respnsibility notified. TVA NNL - 77 MW.
07/23/10	2234	TLR - 5a	ICT RC reissued TLR-5A on FG. PC 87%. NNL respnsibility notified. TVA NNL - 49.0 MW.
07/23/10	2322	TLR - 0	ICT RC closed TLR on FG 16487. PC 69%. OASIS posting # 274845 closed. EES and TVA notified.