

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 22, 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 22, 2010. Flowgate 16487 is an Entergy flowgate. The TLR 5 was in effect from 2:36 PM until 10:34 PM on July 22, 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 5b was issued, the Limiting Element was rated at 615 MVA. Flow on the Limiting Element was 431 MVA. Flow on the Contingent Element was 786 MVA. The LODF was approximately 27%. Post-contingent flow on the Limiting Element was approximately 643 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 achieved their NNL obligation by moving generation on Attala 1 and Amite South.

Event History

Event History								
Issuing RC:		ICTE						
Flowgate:		16487 - McAdams AT1 ftlo Choctaw-West Point 500kV						
Event Begin:		2010-07-22 15:50						
Event End:		2010-07-22 23:00						
Event Duration:		8 Hours						
TLR Level	TLR Date	TLR Confirm Time	Run Time	Requested Relief	Remaining Relief	Relief Provided	Total Cuts	
							Tags	MW
TLR Level 5B	07/22/2010 15:50	07/22/2010 15:37	07/22/2010 15:36:26	35.0	0.0	35.0	0	0
TLR Level 5A	07/22/2010 17:00	07/22/2010 16:26	07/22/2010 16:26:10	17.0	0.0	52.0	0	0
TLR Level 5A	07/22/2010 17:00	07/22/2010 16:33	07/22/2010 16:29:17	3.0	0.0	34.9	0	0
TLR Level 5A	07/22/2010 18:00	07/22/2010 17:36	07/22/2010 17:34:34	23.0	0.0	57.9	0	0
TLR Level 5A	07/22/2010 19:00	07/22/2010 18:27	07/22/2010 18:26:30	14.0	0.0	71.9	0	0
TLR Level 5A	07/22/2010 20:00	07/22/2010 19:27	07/22/2010 19:26:02	0.0	0.0	71.9	0	0
TLR Level 5A	07/22/2010 21:00	07/22/2010 20:28	07/22/2010 20:26:48	0.0	0.0	26.9	0	0
TLR Level 5A	07/22/2010 22:00	07/22/2010 21:34	07/22/2010 21:33:44	0.0	0.0	20.9	0	0
TLR Level 0	07/22/2010 23:00	07/22/2010 22:32	07/22/2010 22:32:22	0.0	0.0	0.0	0	0

Event Summary

FILE SAVED AS: ICTE_16487_20100722_1550.htm

Incident: ICTE_16487_20100722_1550 Date: 07/22/2010 Reliability Coordinator: ICTE
 Initial Conditions: N/A
 Flowgate: 16487 - McAdams AT1 flto Choctaw-West ... Rating: 615 LODF: 26.90%
 TLR Direction: Normal
 Effective StartTime: 07/22/2010 15:50 Effective EndTime: 07/22/2010 23:00 TLR Duration: 7 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	CA	IDC MW	RC Ackn MW	Type	Mkt	IDC MW	RC Ackn MW	Current		Post Cont.	Cont. Flow	
Jul 22 15:37	TLR 5b	CURRENT				NONE					TVA	35.0	35.0		NONE			431	542	755	N/A
		NEXT				NONE					Total	35.0	35.0								
Jul 22 16:25	TLR 5a	NEXT				NONE					EES	20.0	0.0		NONE			412	504	714	N/A
											TVA	32.0	32.0								
											Total	52.0	32.0								
Jul 22 16:33	TLR 5a	NEXT				NONE					TVA	35.0	35.0		NONE			412	504	714	N/A
											Total	35.0	35.0								
Jul 22 17:35	TLR 5a	NEXT				NONE					TVA	58.0	58.0		NONE			397	524	845	N/A
											Total	58.0	58.0								
Jul 22 18:27	TLR 5a	NEXT				NONE					TVA	72.0	72.0		NONE			387	513	917	N/A
											Total	72.0	72.0								
Jul 22 19:27	TLR 5a	NEXT				NONE					TVA	72.0	72.0		NONE			351	505	907	N/A
											Total	72.0	72.0								
Jul 22 20:25	TLR 5a	NEXT				NONE					TVA	27.0	27.0		NONE			340	502	977	N/A
											Total	27.0	27.0								
Jul 22 21:34	TLR 5a	NEXT				NONE					TVA	21.0	21.0		NONE			354	535	657	N/A
											Total	21.0	21.0								
Jul 22 22:52	TLR 0	CURRENT				NONE									NONE			315	434	439	N/A
											Total										

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	0	0	0	0
7	0	0	0	0
Total	0	0	0	0

TLR NNL Totals

	NNL Relief	
	CA	RC Ackn MW
EES	20.0	20.0
TVA	352.0	352.0
Total	372.0	372.0

07/22/10	1106	ICP/LAP Assessment	Assessed as LAP. PC120% EES notified
07/22/10	1115	LAP	EES issued LAP. Oasis REF #274583
07/22/10	1636	TLR - 5b	Issued TLR 5b. EES notified. EES tariff notified to Zero AFCs through HE 22:00. Oasis Ref #274639. TVA is meeting NNL requirement of 35 by moving Acrimen and Reliant Choctaw.
07/22/10	1733	TLR - 5a	Issued TLR 5a. EES notified. EES tariff notified to Zero AFCs through HE 22:00. Oasis Ref #274639. TVA is meeting NNL requirement of 35.9 by moving Acrimen and Reliant Choctaw.

07/22/10	1836	TLR - 5a	reissused TLR 5A. NNL for TVA 57.9. PC 102% some tags were missed and gone dead TVA having schedule issues contacted TVA they are aware of it and will keep an eye on it. Told them that we were ok and FG under control and was ok on tags
07/22/10	1927	TLR - 5a	reissused TLR 5A. NNL for TVA 71.9 PC 100%.
07/22/10	2027	TLR - 5a	reissused TLR 5A. NNL for TVA 71.9 PC 100%.
07/22/10	2128	TLR - 5a	reissused TLR 5A. NNL for TVA 26.9 PC 98%.
07/22/10	2234	TLR - 5a	reissused TLR 5A. NNL for TVA 20.9 PC 88%. Called ICT Tariff Johnny to extend AFC's for 6 more hours from 2200through 0400.
07/22/10	2332	LAP	Sean with EES called to close LAP REF. 274583
07/22/10	2332	TLR - 0	ICT RC issused TLR 0 PC 70%. Went from a TLR 5A to TLR 0. Notified EES Sean and ICT Tariff Johnny to return AFC's back to normal. Updated Oasis REF. 274639