

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 25, 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 25, 2010. Flowgate 16487 is an Entergy flowgate. The TLR 5 was in effect from 1:25 PM until 8:31 PM on July 25, 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 280 MVA. Flow on the Contingent Element was 1342 MVA. The LODF was approximately 27%. Post-contingent flow on the Limiting Element was approximately 642 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:		2010-07-25 12:35						
Event End:		2010-07-25 22:25						
Event Duration:		10 Hours						
TLR Level	TLR Date	TLR Confirm Time	Run Time	Requested Relief	Remaining Relief	Relief Provided	Total Cuts	
							Tags	MW
TLR Level SB	07/25/2010 12:35	07/25/2010 12:25	07/25/2010 12:24:52	58.0	0.0	58.0	0	0
TLR Level SB	07/25/2010 13:40	07/25/2010 13:30	07/25/2010 13:30:00	0.0	0.0	0.0	0	0
TLR Level SA	07/25/2010 14:00	07/25/2010 13:33	07/25/2010 13:33:05	0.0	0.0	46.0	0	0
TLR Level SA	07/25/2010 15:00	07/25/2010 14:31	07/25/2010 14:31:01	0.0	0.0	33.0	0	0
TLR Level SA	07/25/2010 16:00	07/25/2010 15:30	07/25/2010 15:30:22	1.0	0.0	34.0	0	0
TLR Level SA	07/25/2010 17:00	07/25/2010 16:33	07/25/2010 16:31:43	0.0	0.0	34.0	0	0
TLR Level SA	07/25/2010 18:00	07/25/2010 17:30	07/25/2010 17:29:57	0.0	0.0	34.0	0	0
TLR Level SA	07/25/2010 19:00	07/25/2010 18:33	07/25/2010 18:29:06	0.0	0.0	11.0	0	0
TLR Level SA	07/25/2010 20:00	07/25/2010 19:31	07/25/2010 19:30:51	0.0	0.0	5.0	0	0
TLR Level 1	07/25/2010 21:00	07/25/2010 20:29	07/25/2010 20:29:29	0.0	0.0	0.0	0	0
TLR Level 0	07/25/2010 22:25	07/25/2010 22:14	07/25/2010 22:13:40	0.0	0.0	0.0	0	0

Event Summary

FILE SAVED AS: ICTE_16487_20100725_1235.htm

Incident: ICTE_16487_20100725_1235	Date: 07/25/2010	Reliability Coordinator: ICTE
Initial Conditions: N/A		
Flowgate: 16487 - McAdams AT1 fto Choctaw-West ...	Rating: 615	LODF: 26.89%
TLR Direction: Normal		
Effective StartTime: 07/25/2010 12:35	Effective EndTime: 07/25/2010 22:25	TLR Duration: 9 Hours and 50 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	RC Cut Acknowledge MW	Hold MW	CA	IDC MW	RC Ackn MW	Type	Mkt	IDC MW	RC Ackn MW	Current		Post Cont.
Jul 25 12:25	TLR 5B	CURRENT			NONE				TVA	58.0	58.0	NONE		280	840	1342	N/A
		NEXT			NONE				Total	58.0	58.0						
Jul 25 13:50	TLR 5B	CURRENT			NONE				TVA	58.0	58.0	NONE		288	577	1074	N/A
		NEXT			NONE				Total	58.0	58.0						
Jul 25 13:33	TLR 5A	NEXT			NONE				TVA	46.0	46.0	NONE		289	577	1074	N/A
		NEXT			NONE				Total	46.0	46.0						
Jul 25 14:31	TLR 5A	NEXT			NONE				TVA	33.0	33.0	NONE		313	591	1037	N/A
		NEXT			NONE				Total	33.0	33.0						
Jul 25 15:30	TLR 5A	NEXT			NONE				TVA	34.0	34.0	NONE		304	573	1002	N/A
		NEXT			NONE				Total	34.0	34.0						
Jul 25 16:33	TLR 5A	NEXT			NONE				TVA	34.0	34.0	NONE		302	572	1004	N/A
		NEXT			NONE				Total	34.0	34.0						
Jul 25 17:30	TLR 5A	NEXT			NONE				TVA	34.0	34.0	NONE		283	588	1139	N/A
		NEXT			NONE				Total	34.0	34.0						
Jul 25 18:33	TLR 5A	NEXT			NONE				TVA	11.0	11.0	NONE		289	566	1102	N/A
		NEXT			NONE				Total	11.0	11.0						
Jul 25 19:31	TLR 5A	NEXT			NONE				TVA	5.0	5.0	NONE		266	576	1191	N/A
		NEXT			NONE				Total	5.0	5.0						
Jul 25 20:29	TLR 1	CURRENT			NONE					NONE		NONE		269	566	1107	N/A
Jul 25 22:14	TLR 0	CURRENT			NONE					NONE		NONE		216	409	719	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	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

CA	NNL Relief	
	IDC MW	RC Ackn MW
TVA	313.0	313.0
Total	313.0	313.0

07/25/10	1324	ICP/LAP Assessment	Assessed as LAP. PC 104%
07/25/10	1324	TLR - 5b	Issued TLR 5b. PC EES notified. EES Tariff to zero affecting AFCs through 20:00. Oasis REF #275156 TVA NNL of 58
07/25/10	1340	LAP	EES issued LAP. Oasis Ref # 275157
07/25/10	1427	TLR - 5a	Re - Issued TLR 5a. PC 96% EES notified. EES Tariff to zero affecting AFCs through 20:00. Oasis REF #275156 TVA NNL of 33

07/25/10	1434	TLR - 5a	Issued TLR 5a. PC EES notified. EES Tariff to zero affecting AFCs through 20:00. Oasis REF #275156 TVA NNL of 46
07/25/10	1632	TLR - 5a	Re - Issued TLR 5a. PC 93% EES notified. EES Tariff to zero affecting AFCs through 20:00. Oasis REF #275156 TVA NNL of 34
07/25/10	1733	TLR - 5a	ICT RC reissued TLR-5a. PC 93%. TVA notified of NNL responsibility - 34.0.
07/25/10	1735	NNL	TVA notified that Reliant dec 61 MW and Ackerman dec 65 MW to achieve NNL.
07/25/10	1830	TLR - 5a	ICT RC reissued TLR-5a. PC 96%. TVA notified of NNL responsibility - 34.0.
07/25/10	1933	TLR - 5a	ICT RC reissued TLR-5a. PC 91%. TVA notified of NNL responsibility - 11.0. TVA (Jason) informed that Choctaw is scheduled to come offline starting 23:00.
07/25/10	2031	TLR - 5a	ICT RC reissued TLR-5a. PC 94%. TVA notified of NNL responsibility - 6.0.
07/25/10	2129	TLR - 1	ICT RC issued TLR-1 on FG effective 22:00. PC 91%. OASIS posting # 275156 updated. EES (Rigo) and TVA (Kertz) notified.
07/25/10	2301	LAP	EES RTA (Rigo) notified close of LAP. OASIS posting # 275157 closed.
07/25/10	2314	TLR - 0	ICT RC closed TLR on FG 16487 effective 23:25. PC 67%. OASIS posting # 275156 closed. EES (Rigo) notified.