

ICTE TLR 5 Investigation Report
Flowgate 15909
(North Crowley - Scott 138 kV for the loss of Wells - Pont Des Mouton 230 kV)
TLR Level 5: July 20, 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 15909 on July 20, 2009. Flowgate 15909 is an Entergy flowgate. The TLR 5 was in effect from 2:26 PM until 6:31 PM on July 20, 2009. Projected post-contingent flows on the North Crowley - Scott 138 kV line for the loss of the Wells - Pont Des Mouton 230 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 223 MVA. Flow on the Limiting Element was 170 MVA. Flow on the Contingent Element was 375 MVA. The LODF was approximately 16%. Post-contingent flow on the Limiting Element was approximately 230 MVA.

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

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

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

On or about June the 9th the load in the Acadiana load pocket begin to rise due to unseasonably warm temperatures in south Louisiana. The peak load for the Acadiana Load Pocket is 1714 mw of load recorded in August 2007, during the last few weeks we have approached this value many times with an average load of approximately 1698 mw.

At the time of the increase in load demand due to high temperatures in early June several external area generation units were unavailable.

Compounding the problem Entergy lost Ninemile #5 a 740 MW generating unit in the southern Louisiana area due to a rotor fire and is unavailable until March 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 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 did not have any NNL obligation.

Event History

Issuing RC: ICTE
Flowgate: 15909 - North Crowley - Scott 138kv fto Wells - Pont D Mouton 230kv
Event Begin: 2009-07-20 14:00
Event End: 2009-07-20 21:00
Event Duration: 7 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 5A	07/20/2009 14:00	07/20/2009 13:28	07/20/2009 13:26:31	26.0	0.0	26.5	9	121
TLR Level 5A	07/20/2009 15:00	07/20/2009 14:28	07/20/2009 14:26:12	9.0	0.0	16.5	8	73
TLR Level 5A	07/20/2009 16:00	07/20/2009 15:26	07/20/2009 15:26:18	11.0	0.0	16.2	8	71
TLR Level 5A	07/20/2009 17:00	07/20/2009 16:31	07/20/2009 16:29:32	1.0	0.0	6.2	8	28
TLR Level 5A	07/20/2009 18:00	07/20/2009 17:32	07/20/2009 17:31:15	4.0	0.0	6.2	8	30
TLR Level 1	07/20/2009 18:45	07/20/2009 18:36	07/20/2009 18:35:47	0.0	0.0	0.0	0	0
TLR Level 0	07/20/2009 21:00	07/20/2009 20:59	07/20/2009 20:58:52	0.0	0.0	0.0	0	0

07/27/2009 08:31:35 (CST)
 OATI IDC Support Phone: 763-201-2010 Fax: 763-553-2813
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Event Summary

FILE SAVED AS: [ICTE_15909_20090720_1400.htm](#)

Incident: ICTE_15909_20090720_1400	Date: 07/20/2009	Reliability Coordinator: ICTE
Initial Conditions: N/A		
Flowgate: 15909 - North Crowley - Scott 138kv ft...	Rating: 216	LODF: 15.52%
TLR Direction: Normal		
Effective StartTime: 07/20/2009 14:00	Effective EndTime: 07/20/2009 21:00	TLR Duration: 7 Hours and 0 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 Actn MW	Type	Mkt	IDC MW	RC Actn MW	Current	Post Cont.	Cont. Flow		
Jul 20 13:28	TLR 5A	NEXT	7-F	9 / 0	121	19.6	121	19.6	0	0.0	CLEC	7.0	7.0		NONE			170	228	375	N/A
			Total	9 / 0	121	19.6	121	19.6	0	0.0	Total	7.0	7.0								
Jul 20 14:28	TLR 5A	NEXT	7-F	8 / 0	73	11.6	73	11.6	0	0.0	CLEC	5.0	5.0		NONE			155	203	315	N/A
			Total	8 / 0	73	11.6	73	11.6	0	0.0	Total	5.0	5.0								
Jul 20 15:26	TLR 5A	NEXT	7-F	8 / 0	71	11.4	71	11.4	0	0.0	CLEC	5.0	5.0		NONE			154	200	300	N/A
			Total	8 / 0	71	11.4	71	11.4	0	0.0	Total	5.0	5.0								
Jul 20 16:31	TLR 5A	NEXT	7-F	8 / 0	28	4.5	28	4.5	0	0.0	CLEC	2.0	2.0		NONE			146	189	280	N/A
			Total	8 / 0	28	4.5	28	4.5	0	0.0	Total	2.0	2.0								
Jul 20 17:32	TLR 5A	NEXT	7-F	8 / 0	30	4.6	30	4.6	0	0.0	CLEC	2.0	2.0		NONE			142	188	297	N/A
			Total	8 / 0	30	4.6	30	4.6	0	0.0	Total	2.0	2.0								
Jul 20 18:36	TLR 1	CURRENT													NONE			135	178	280	N/A
Jul 20 20:59	TLR 0	CURRENT													NONE			115	162	309	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	41	323	323	0
Total	41	323	323	0

TLR>NNL Totals

CA	NNL Relief	
	IDC MW	RC Ackn MW
CLEC	21.0	21.0
Total	21.0	21.0