

**ICTE TLR 5 Investigation Report**  
**Flowgate 1345**  
**(Mabelvale - Bryant 115 kV for the loss of Sheridan - El Dorado 500 kV)**  
**TLR Level 5: April 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 1345 on April 20, 2009. Flowgate 1345 is an Entergy flowgate. The TLR 5 was in effect from 12:45 PM to 1:03 PM on April 20, 2009. Projected post-contingent flows on the Mabelvale - Bryant 115 kV line for the loss of the Sheridan - El Dorado 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 159 MVA. Flow on the Limiting Element was 65 MVA. Flow on the Contingent Element was 1063 MVA. The LODF was approximately 11%. Post-contingent flow on the Limiting Element was approximately 187 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.**

The planned outage of Magnet Cove – Sheridan 500 kV affected this flowgate.

**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 Sabine and White Bluff 2.

Event History									
Issuing RC:		ICTE							
Flowgate:		1345 - Mabelvale-Bryant for the loss of Sheridan - El Dorado							
Event Begin:		2009-04-20 12:35							
Event End:		2009-04-20 14:00							
Event Duration:		2 Hours							
TLR Level	TLR Date (CST)	TLR Confirm Time (CST)	Run Time (CST)	Requested Relief	Remaining Relief	Relief Provided	Total Cuts		
							Tags	MW	
<a href="#">TLR Level 4</a>	04/20/2009 12:35	04/20/2009 12:22	04/20/2009 12:21:44	0.0	0.0	0.0	0	0	
<a href="#">TLR Level 5A</a>	04/20/2009 13:00	04/20/2009 12:45	04/20/2009 12:44:33	75.0	0.0	75.6	20	131	
<a href="#">TLR Level 5A</a>	04/20/2009 14:00	04/20/2009 13:03	04/20/2009 13:01:27	0.0	0.0	21.8	15	33	
<a href="#">TLR Level 0</a>	04/20/2009 14:00	04/20/2009 13:33	04/20/2009 13:32:46	0.0	0.0	0.0	0	0	

05/12/2009 10:01:31 (CST)  
 OATI IDC Support Phone: 763-201-2010 Fax: 763-553-2813  
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### Event Summary

FILE SAVED AS: ICTE\_1345\_20090420\_1235.htm

Incident: ICTE_1345_20090420_1235	Date: 04/20/2009	Reliability Coordinator: ICTE
Initial Conditions: N/A		
Flowgate: 1345 - Mabelvale-Bryant for the loss ...	Rating: 159	LODF: 11.48%
TLR Direction: Normal		
Effective StartTime: 04/20/2009 12:35	Effective EndTime: 04/20/2009 14:00	TLR Duration: 1 Hour and 25 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	Relief MW	Hold MW	Relief MW	CA	IDC MW	RC Ackn MW	Type	Mkt	IDC MW	RC Ackn MW	Current	Post Cont.	Cont. Flow		
Apr 20 12:22	TLR 4	CURRENT		NONE						NONE			NONE				0	0	0	N/A	
		NEXT		NONE						NONE			NONE								
Apr 20 12:45	TLR 5A	NEXT	7-F	20 / 0	131	7.3	131	7.3	0	0.0	EES	68.0	68.0	NONE				65	187	1083	N/A
			<b>Total</b>	<b>20 / 0</b>	<b>131</b>	<b>7.3</b>	<b>131</b>	<b>7.3</b>	<b>0</b>	<b>0.0</b>	<b>Total</b>	<b>68.0</b>	<b>68.0</b>								
Apr 20 13:03	TLR 5A PRELIM	NEXT	7-F	15 / 0	33	1.9	0	0.0	0	0.0	EES	20.0	68.0	NONE				65	187	1083	N/A
			<b>Total</b>	<b>15 / 0</b>	<b>33</b>	<b>1.9</b>	<b>0</b>	<b>0.0</b>	<b>0</b>	<b>0.0</b>	<b>Total</b>	<b>20.0</b>	<b>68.0</b>								
Apr 20 13:33	TLR 0	CURRENT		NONE						NONE			NONE				59	165	924	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	35	164	131	0
<b>Total</b>	<b>35</b>	<b>164</b>	<b>131</b>	<b>0</b>

### TLR NNL Totals

CA	NNL Relief	
	IDC MW	RC Ackn MW
EES	68.0	68.0
<b>Total</b>	<b>68.0</b>	<b>68.0</b>