

**ICTE TLR 5 Investigation Report**  
**Flowgate 17222**  
**(Vienna-Ruston E 115 kV ftlo EI Dorado-Sterlington 500 kV)**  
**TLR Level 5: June 13, 2011**  
**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 17222 on June 13, 2011. Flowgate 17222 is an Entergy flowgate. The TLR 5 was in effect from 5:38 PM until 9:35 PM on June 13, 2011. Projected post-contingent flows on the Vienna-Ruston E 115 kV ftlo EI Dorado-Sterlington 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 211 MVA. Flow on the Limiting Element was 34 MVA. Flow on the Contingent Element was 1137 MVA. The LODF was approximately 17.3%. Post-contingent flow on the Limiting Element was approximately 231 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.**

- There was an unplanned outage on the ICTE system associated with this flowgate.
- There were no abnormal load changes.
- There was 0 mw of non-firm service impacting the flowgate day of since the RC was in a TLR 5 event.

There was an unplanned outage on the Nelson-Richard 500 kv line due to storm damage that impacted the TLR 5 event. With the 500 kv line outage of Nelson-Richard, the loss of the Eldorado-Sterlington 500 kv line would cause increased flows on the underlying 115 kv system. There were heavy flows on the 500 kv system at the time of the TLR 5 event.

**5. Procedures implemented prior to hold/curtailment.**

There were not enough non-firm transactions with greater than 5% TDF available for curtailment to alleviate the flowgate. The system was not re-dispatched to prevent curtailment of firm service. The ICT RC verifies with Entergy's Shift Supervisor before a TLR 5 event is called if there are any re-dispatch options available. The Entergy Shift Supervisor to-date has not offered any re-dispatch solutions to prevent a TLR 5 event.

**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. This flowgate is not an AFC Flowgate.

**12. Description of actions taken to avoid future hold/curtailments.**

This TLR was caused by a combination of a transmission outage, 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 6 MW of NNL and LAGN had 59 MW of NNL.

### Event History

Issuing RC:	ICTE							
Flowgate:	17222 - Vienna-RustonE 115Kv ftlo Eldorado-Sterlington 500Kv							
Event Begin:	2011-06-13 18:00							
Event End:	2011-06-14 00:35							
Event Duration:	6 Hours							
TLR Level	TLR Date	TLR Confirm Time	Run Time	Requested Relief	Remaining Relief	Relief Provided	Total Cuts	
							Tags	MW
<a href="#">TLR Level 5A</a>	06/13/2011 18:00	06/13/2011 17:38	06/13/2011 17:37:48	50.0	0.0	50.2	12	611
<a href="#">TLR Level 5A</a>	06/13/2011 19:00	06/13/2011 18:34	06/13/2011 18:32:36	54.0	0.0	65.3	12	769
<a href="#">TLR Level 5A</a>	06/13/2011 20:00	06/13/2011 19:31	06/13/2011 19:30:45	34.0	0.0	49.9	12	590
<a href="#">TLR Level 5A</a>	06/13/2011 21:00	06/13/2011 20:31	06/13/2011 20:30:07	33.0	0.0	45.3	12	523
<a href="#">TLR Level 5A</a>	06/13/2011 22:00	06/13/2011 21:35	06/13/2011 21:31:36	35.0	0.0	46.8	6	485
<a href="#">TLR Level 1</a>	06/13/2011 23:00	06/13/2011 22:29	06/13/2011 22:28:42	0.0	0.0	0.0	0	0
<a href="#">TLR Level 0</a>	06/14/2011 00:35	06/14/2011 00:26	06/14/2011 00:25:59	0.0	0.0	0.0	0	0

### Event Summary

FILE SAVED AS: ICTE\_17222\_20110613\_1700.htm

Incident: ICTE_17222_20110613_1700	Date: 06/13/2011	Reliability Coordinator: ICTE
Initial Conditions: N/A		
Flowgate: 17222 - Vienna-RustonE 115Kv fto E...	Rating: 201	LODF: 16.37%
TLR Direction: Normal		
Effective StartTime: 06/13/2011 18:00	Effective EndTime: 06/14/2011 00:35	TLR Duration: 6 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 MW	RC Cut Acknowledge MW	Hold MW	CA	IDC MW	RC Ackn MW	Type	Mkt	IDC MW	RC Ackn MW	Current		Post Cont.	Cont. Flow	
Jun 13 17:33	TLR 5A	NEXT	7-F	12 / 0	611	39.2	611	39.2	0	0.0	EES LAGN	1.0 10.0	1.0 10.0	NONE		34	220	1137	N/A
			<b>Total</b>	<b>12 / 0</b>	<b>611</b>	<b>39.2</b>	<b>611</b>	<b>39.2</b>	<b>0</b>	<b>0.0</b>	<b>Total</b>	<b>11.0 11.0</b>	<b>11.0 11.0</b>						
Jun 13 18:34	TLR 5A	NEXT	7-F	12 / 0	769	49.7	769	49.7	0	0.0	EES LAGN	1.0 14.0	1.0 14.0	NONE		31	193	995	N/A
			<b>Total</b>	<b>12 / 0</b>	<b>769</b>	<b>49.7</b>	<b>769</b>	<b>49.7</b>	<b>0</b>	<b>0.0</b>	<b>Total</b>	<b>15.0 15.0</b>	<b>15.0 15.0</b>						
Jun 13 19:31	TLR 5A	NEXT	7-F	12 / 0	590	38.1	590	38.1	0	0.0	EES LAGN	1.0 10.0	1.0 10.0	NONE		26	164	843	N/A
			<b>Total</b>	<b>12 / 0</b>	<b>590</b>	<b>38.1</b>	<b>590</b>	<b>38.1</b>	<b>0</b>	<b>0.0</b>	<b>Total</b>	<b>11.0 11.0</b>	<b>12.0 12.0</b>						
Jun 13 20:31	TLR 5A	NEXT	7-F	12 / 0	523	33.8	523	33.8	0	0.0	EES LAGN	1.0 10.0	1.0 10.0	NONE		27	171	884	N/A
			<b>Total</b>	<b>12 / 0</b>	<b>523</b>	<b>33.8</b>	<b>523</b>	<b>33.8</b>	<b>0</b>	<b>0.0</b>	<b>Total</b>	<b>11.0 11.0</b>	<b>11.0 11.0</b>						
Jun 13 21:35	TLR 5A	NEXT	7-F	6 / 0	485	31.0	485	31.0	0	0.0	EES LAGN	1.0 14.0	2.0 14.0	NONE		30	181	923	N/A
			<b>Total</b>	<b>6 / 0</b>	<b>485</b>	<b>31.0</b>	<b>485</b>	<b>31.0</b>	<b>0</b>	<b>0.0</b>	<b>Total</b>	<b>15.0 16.0</b>	<b>16.0 16.0</b>						
Jun 13 22:29	TLR 1	CURRENT			NONE						NONE			NONE		10	141	802	N/A
Jun 14 00:29	TLR 0	CURRENT			NONE						NONE			NONE		24	129	647	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	54	2978	2978	0
<b>Total</b>	<b>54</b>	<b>2978</b>	<b>2978</b>	<b>0</b>

### TLR NNL Totals

CA	NNL Relief	
	IDC MW	RC Ackn MW
EES	5.0	6.0
LAGN	58.0	59.0
<b>Total</b>	<b>63.0</b>	<b>65.0</b>

Date	Time	Category	'Detail'
06/13/11	0834	ICP/LAP Assessment	Assessed FG as ICP PC 95%, EES SOC notified
06/13/11	1737	TLR - 5a Initial	issued tlr5a pc109% REF# 441024 NNL: EES 1.0, CSWS 0.3, LAGN 9.8
06/13/11	1738	No Internal NonFirm Tags	
06/13/11	1738	TLR - Redispatch Question	EES replied no for redispatch options and no on conditional firm schedules for the constrained flowgate
06/13/11	1748	TA Notification	tariff contacted but did not have flowgate modeled
06/13/11	1834	No Internal NonFirm Tags	

06/13/11	1834	TLR - 5a Reissue	re-issued tlr5a pc96% NNL: EES 1.4, CSWS 0.4, LAGN 13.9
06/13/11	1931	No Internal NonFirm Tags	
06/13/11	1931	TLR - 5a Reissue	re-issued tlr5a pc81% NNL: EES 1.1, CSWS 0.3, LAGN 10.5
06/13/11	2031	TLR - 5a Reissue	re-issued tlr5a pc85% NNL: EES 1.1, CSWS 0.3, LAGN 10.2
06/13/11	2031	No Internal NonFirm Tags	
06/13/11	2135	No Internal NonFirm Tags	
06/13/11	2135	TLR - 5a Reissue	re-issued tlr5a pc90% NNL: EES 1.5, CSWS 0.4, LAGN 13.9
06/13/11	2229	TLR - 1	Issued TLR1 OASIS Ref441024
06/13/11	2240	TA Notification	not on TA FG list
06/14/11	0026	TLR - 0	OASIS Ref441024