

**ICTE TLR 5 Investigation Report  
Flowgate 1910  
(Fancy Auto 500/230 kV for the loss of Coly - McKnight 500 kV)  
TLR Level 5: September 15, 2008  
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 1910 on September 15, 2008. Flowgate 1910 is an Entergy flowgate. The TLR 5 was in effect from 5:30 PM until 8:30 PM CST on September 15, 2008. Projected post-contingent flows on the Fancy Auto 500/230 kV line for the loss of the Coly - McKnight 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 1320 MVA. Flow on the Limiting Element was 764 MVA. Flow on the Contingent Element was 851 MVA. The LODF was approximately 72%. Post-contingent flow on the Limiting Element was approximately 1377 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 were unplanned outages. Hurricane Ike outages on Riverbend, Waterford, and Willow Glenn 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 by moving generation on Nelson 4, Willow Glenn 2, Waterford 1, and Little Gypsy 3.

Event History									
<b>Issuing RC:</b>		ICTE							
<b>Flowgate:</b>		1910 - Fancy Auto 500/230 kV for the loss of McKnight-Coly 500 kV							
<b>Event Begin:</b>		2008-09-15 16:00							
<b>Event End:</b>		2008-09-15 22:00							
<b>Event Duration:</b>		6 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 3A</a>	09/15/2008 16:00	09/15/2008 15:34	09/15/2008 15:34:10	164.0	65.3	98.7	6	666	
<a href="#">TLR Level 5A</a>	09/15/2008 17:00	09/15/2008 16:33	09/15/2008 16:32:06	120.0	0.0	120.0	23	612	
<a href="#">TLR Level 5A</a>	09/15/2008 18:00	09/15/2008 17:29	09/15/2008 17:27:45	168.0	0.0	191.2	24	606	
<a href="#">TLR Level 5A</a>	09/15/2008 19:00	09/15/2008 18:29	09/15/2008 18:28:06	105.0	0.0	192.4	26	611	
<a href="#">TLR Level 5A</a>	09/15/2008 20:00	09/15/2008 19:38	09/15/2008 19:37:51	50.0	0.0	137.7	24	372	
<a href="#">TLR Level 3A</a>	09/15/2008 21:00	09/15/2008 20:30	09/15/2008 20:30:07	194.5	176.6	17.9	2	51	
<a href="#">TLR Level 0</a>	09/15/2008 22:00	09/15/2008 21:27	09/15/2008 21:26:50	0.0	0.0	0.0	0	0	

09/16/2008 09:45:51 (CST)  
 OATI IDC Support Phone: 763-201-2010 Fax: 763-553-2813  
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## Event Summary

FILE SAVED AS: ICTE\_1910\_20080915\_1600.htm

Incident: ICTE_1910_20080915_1600	Date: 09/15/2008	Reliability Coordinator: ICTE
Initial Conditions: N/A		
Flowgate: 1910 - Fancy Auto 500/230 KV for the ...	Rating: 1320	LODF: 67.45%
TLR Direction: Normal		
Effective StartTime: 09/15/2008 16:00	Effective EndTime: 09/15/2008 22:00	TLR Duration: 6 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	RC Cut Acknowledge MW	Relief	Hold MW	Relief	CA	IDC MW	RC Akn MW	Type	Mkt	IDC MW	RC Akn MW	Current	Post Curt.	Cont. Flow					
Sep 15 15:34	TLR 3A	NEXT	2-NH	3 / 0	129	23.4	129	23.4	0	0.0															
			6-NN	2 / 0	302	28.0	302	28.0	0	0.0															
			<b>Total</b>	<b>5 / 0</b>	<b>431</b>	<b>51.5</b>	<b>431</b>	<b>51.5</b>	<b>0</b>	<b>0.0</b>															
Sep 15 16:33	TLR 5A	NEXT	2-NH	2 / 0	51	17.9	51	17.9	0	0.0	CLEC	1.0	1.0												
			6-NN	2 / 0	302	28.0	302	28.0	0	0.0	EES	17.0	17.0												
			7-F	17 / 0	23	4.4	23	4.4	0	0.0	LAGN	5.0	5.0												
			<b>Total</b>	<b>21 / 0</b>	<b>376</b>	<b>50.3</b>	<b>376</b>	<b>50.3</b>	<b>0</b>	<b>0.0</b>															
Sep 15 17:29	TLR 5A	NEXT	2-NH	2 / 0	51	17.9	51	17.9	0	0.0	CLEC	5.0	5.0												
			6-NN	1 / 0	250	25.3	250	25.3	0	0.0	EES	85.0	85.0												
			7-F	20 / 0	70	13.7	70	13.7	0	0.0	LAGN	17.0	17.0												
			<b>Total</b>	<b>23 / 0</b>	<b>371</b>	<b>57.0</b>	<b>371</b>	<b>57.0</b>	<b>0</b>	<b>0.0</b>															
Sep 15 18:29	TLR 5A	NEXT	2-NH	2 / 0	51	17.9	51	17.9	0	0.0	CLEC	5.0	5.0												
			6-NN	1 / 0	250	25.3	250	25.3	0	0.0	EES	85.0	85.0												
			7-F	21 / 0	74	14.3	74	14.3	0	0.0	LAGN	17.0	17.0												
			<b>Total</b>	<b>24 / 0</b>	<b>375</b>	<b>57.6</b>	<b>375</b>	<b>57.6</b>	<b>0</b>	<b>0.0</b>															
Sep 15 19:38	TLR 5A	NEXT	2-NH	2 / 0	51	17.9	51	17.9	0	0.0	CLEC	5.0	5.0												
			6-NN	1 / 0	250	25.3	250	25.3	0	0.0	EES	80.0	80.0												
			7-F	21 / 0	71	13.9	71	13.9	0	0.0	LAGN	17.0	17.0												
			<b>Total</b>	<b>24 / 0</b>	<b>372</b>	<b>57.1</b>	<b>372</b>	<b>57.1</b>	<b>0</b>	<b>0.0</b>															
Sep 15 20:30	TLR 3A	NEXT	2-NH	2 / 0	51	17.9	51	17.9	0	0.0															
			<b>Total</b>	<b>2 / 0</b>	<b>51</b>	<b>17.9</b>	<b>51</b>	<b>17.9</b>	<b>0</b>	<b>0.0</b>															
Sep 15 21:27	TLR 0	CURRENT																							

### 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	13	384	384	0
3	0	0	0	0
4	0	0	0	0
5	0	0	0	0
6	7	1354	1354	0
7	79	238	238	0
<b>Total</b>	<b>99</b>	<b>1976</b>	<b>1976</b>	<b>0</b>

### TLR NNL Totals

	NNL Relief	
	IDC MW	RC Akn MW
CLEC	16.0	17.0
EES	207.0	207.0
LAGN	56.0	56.0
<b>Total</b>	<b>279.0</b>	<b>280.0</b>