

**ICTE TLR 5 Investigation Report  
Flowgate 15429  
(Hilltop-Marshall 161 kV for loss of Russellville - Dardanelle Dam 161 kV)  
TLR Level 5: November 16, 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 15429 on November 16, 2008. Flowgate 15429 is an Entergy flowgate. The TLR 5 was in effect from 1:30 PM until 4:30 PM CST on November 16, 2008. Projected post-contingent flows on the Hilltop-Marshall line for the loss of the Russellville - Dardanelle Dam 161 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 184 MVA. Flow on the Limiting Element was 156 MVA. Flow on the Contingent Element was 224 MVA. The LODF was approximately 23%. Post-contingent flow on the Limiting Element was approximately 207 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.**

There were no unplanned outages.

**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 during this TLR Level 5.

## Event History

**Issuing RC:** ICTE  
**Flowgate:** 15429 - Hilltop - Marshall (FTLO) Russelville - Darnelle Dam 161kv  
**Event Begin:** 2008-11-16 01:00  
**Event End:** 2008-11-17 01:00  
**Event Duration:** 24 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>	11/16/2008 01:00	11/16/2008 00:45	11/16/2008 00:44:40	100.0	94.6	5.4	1	100
<a href="#">TLR Level 3A</a>	11/16/2008 02:00	11/16/2008 01:29	11/16/2008 01:28:54	40.0	40.0	0.0	0	0
<a href="#">TLR Level 3A</a>	11/16/2008 03:00	11/16/2008 02:27	11/16/2008 02:27:07	53.0	53.0	0.0	0	0
<a href="#">TLR Level 3A</a>	11/16/2008 04:00	11/16/2008 03:27	11/16/2008 03:27:27	86.0	86.0	0.0	0	0
<a href="#">TLR Level 3A</a>	11/16/2008 05:00	11/16/2008 04:32	11/16/2008 04:32:33	41.0	41.0	0.0	0	0
<a href="#">TLR Level 3A</a>	11/16/2008 06:00	11/16/2008 05:32	11/16/2008 05:32:36	59.0	57.2	1.8	1	20
<a href="#">TLR Level 3A</a>	11/16/2008 07:00	11/16/2008 06:32	11/16/2008 06:31:43	19.0	17.2	1.8	1	20
<a href="#">TLR Level 3A</a>	11/16/2008 08:00	11/16/2008 07:39	11/16/2008 07:39:33	17.0	15.0	2.0	3	22
<a href="#">TLR Level 3A</a>	11/16/2008 09:00	11/16/2008 08:29	11/16/2008 08:28:55	37.0	35.2	1.8	1	20
<a href="#">TLR Level 3A</a>	11/16/2008 10:00	11/16/2008 09:27	11/16/2008 09:27:29	25.0	22.6	2.4	2	25
<a href="#">TLR Level 4</a>	11/16/2008 10:40	11/16/2008 10:29	11/16/2008 10:29:27	0.0	0.0	0.0	0	0
<a href="#">TLR Level 4</a>	11/16/2008 11:55	11/16/2008 11:43	11/16/2008 11:42:33	0.0	0.0	0.0	0	0
<a href="#">TLR Level 4</a>	11/16/2008 12:50	11/16/2008 12:39	11/16/2008 12:39:42	0.0	0.0	0.0	0	0
<a href="#">TLR Level 5A</a>	11/16/2008 14:00	11/16/2008 13:39	11/16/2008 13:38:07	28.0	0.3	27.7	22	327
<a href="#">TLR Level 5A</a>	11/16/2008 15:00	11/16/2008 14:28	11/16/2008 14:28:00	21.0	0.0	22.2	22	260
<a href="#">TLR Level 5A</a>	11/16/2008 15:00	11/16/2008 14:30	11/16/2008 14:30:25	21.0	0.0	22.2	22	264
<a href="#">TLR Level 5A</a>	11/16/2008 16:00	11/16/2008 15:36	11/16/2008 15:35:51	14.0	0.0	14.6	16	216
<a href="#">TLR Level 5A</a>	11/16/2008 17:00	11/16/2008 16:31	11/16/2008 16:29:32	0.0	0.0	0.6	10	14
<a href="#">TLR Level 1</a>	11/16/2008 17:35	11/16/2008 17:15	11/16/2008 17:15:02	0.0	0.0	0.0	0	0
<a href="#">TLR Level 0</a>	11/17/2008 01:00	11/17/2008 00:49	11/17/2008 00:49:45	0.0	0.0	0.0	0	0

12/03/2008 16:26:16 (CST)

OATI IDC Support Phone: 763-201-2010 Fax: 763-553-2813

Copyright 2008 - Interchange Distribution Calculator (OATI IDC) - Open Access Technology International, Inc. All Rights Reserved.

### Event Summary

FILE SAVED AS: ICTE\_15429\_20081116\_0100.htm

<b>Incident:</b> ICTE_15429_20081116_0100	<b>Date:</b> 11/16/2008	<b>Reliability Coordinator:</b> ICTE
<b>Initial Conditions:</b> N/A		
<b>Flowgate:</b> 15429 - Hilltop - Marshall (FTLO) Russ...	<b>Rating:</b> 184	<b>LODF:</b> 19.65%
<b>TLR Direction:</b> Normal		
<b>Effective StartTime:</b> 11/16/2008 01:00	<b>Effective EndTime:</b> 11/17/2008 01:00	<b>TLR Duration:</b> 24 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		RC Cut Acknowledge		Hold		CA	IDC MW	RC Ackn MW	Type	Mkt	IDC MW	RC Ackn MW	Current	Post Cont.	Cont. Flow	
				MW	Relief	MW	Relief	MW	Relief	MW	Relief											
Nov 16 00:46	TLR 3A	NEXT	6-NN	1 / 0	100	5.4	100	5.4	0	0.0								146	175	154	N/A	
			<b>Total</b>	<b>1 / 0</b>	<b>100</b>	<b>5.4</b>	<b>100</b>	<b>5.4</b>	<b>0</b>	<b>0.0</b>												
Nov 16 01:29	TLR 3A	NEXT																146	175	154	N/A	
Nov 16 02:27	TLR 3A	NEXT																140	168	144	N/A	
Nov 16 03:27	TLR 3A	NEXT																152	184	167	N/A	
Nov 16 04:32	TLR 3A	NEXT																146	175	149	N/A	
Nov 16 05:32	TLR 3A	NEXT	6-NN	1 / 0	20	1.8	20	1.8	0	0.0								146	174	144	N/A	
			<b>Total</b>	<b>1 / 0</b>	<b>20</b>	<b>1.8</b>	<b>20</b>	<b>1.8</b>	<b>0</b>	<b>0.0</b>												
Nov 16 06:32	TLR 3A	NEXT	6-NN	1 / 0	20	1.8	20	1.8	0	0.0								147	177	157	N/A	
			<b>Total</b>	<b>1 / 0</b>	<b>20</b>	<b>1.8</b>	<b>20</b>	<b>1.8</b>	<b>0</b>	<b>0.0</b>												
Nov 16 07:39	TLR 3A	NEXT	6-NN 7-F	1 / 0 0 / 1	20 0	1.8 0.0	20 0	1.8 0.0	0 5	0.0 0.3								148	179	159	N/A	
			<b>Total</b>	<b>1 / 1</b>	<b>20</b>	<b>1.8</b>	<b>20</b>	<b>1.8</b>	<b>5</b>	<b>0.3</b>												
Nov 16 08:29	TLR 3A	NEXT	6-NN	1 / 0	20	1.8	20	1.8	0	0.0								131	168	140	N/A	
			<b>Total</b>	<b>1 / 0</b>	<b>20</b>	<b>1.8</b>	<b>20</b>	<b>1.8</b>	<b>0</b>	<b>0.0</b>												
Nov 16 09:27	TLR 3A	NEXT	6-NN	2 / 0	25	2.4	25	2.4	0	0.0								147	179	168	N/A	
			<b>Total</b>	<b>2 / 0</b>	<b>25</b>	<b>2.4</b>	<b>25</b>	<b>2.4</b>	<b>0</b>	<b>0.0</b>												
Nov 16 10:29	TLR 4	CURRENT																148	184	187	N/A	
		NEXT	6-NN	2 / 0	25	2.4	25	2.4	0	0.0												
			<b>Total</b>	<b>2 / 0</b>	<b>25</b>	<b>2.4</b>	<b>25</b>	<b>2.4</b>	<b>0</b>	<b>0.0</b>												
Nov 16 11:43	TLR 4	CURRENT																150	190	204	N/A	
		NEXT	6-NN	2 / 0	25	2.4	25	2.4	0	0.0												
			<b>Total</b>	<b>2 / 0</b>	<b>25</b>	<b>2.4</b>	<b>25</b>	<b>2.4</b>	<b>0</b>	<b>0.0</b>												
Nov 16 12:39	TLR 4	CURRENT																140	188	202	N/A	
		NEXT	6-NN	1 / 0	20	1.9	20	1.9	0	0.0												
			<b>Total</b>	<b>1 / 0</b>	<b>20</b>	<b>1.9</b>	<b>20</b>	<b>1.9</b>	<b>0</b>	<b>0.0</b>												
Nov 16 14:30	TLR 5A	NEXT	6-NN 7-F	1 / 0 20 / 0	20 239	1.9 19.5	20 239	1.9 19.5	0 0	0.0 0.0	SPA	1.0	1.0					135	175	205	N/A	
			<b>Total</b>	<b>21 / 0</b>	<b>259</b>	<b>21.4</b>	<b>259</b>	<b>21.4</b>	<b>0</b>	<b>0.0</b>	<b>Total</b>	<b>1.0</b>	<b>1.0</b>									
Nov 16 15:36	TLR 5A	NEXT	7-F	16 / 0	216	14.0	216	14.0	0	0.0	SPA	1.0	1.0					124	162	197	N/A	
			<b>Total</b>	<b>16 / 0</b>	<b>216</b>	<b>14.0</b>	<b>216</b>	<b>14.0</b>	<b>0</b>	<b>0.0</b>	<b>Total</b>	<b>1.0</b>	<b>1.0</b>									
Nov 16 16:31	TLR 5A	NEXT	7-F	10 / 0	14	0.9	14	0.9	0	0.0								79	107	143	N/A	
			<b>Total</b>	<b>10 / 0</b>	<b>14</b>	<b>0.9</b>	<b>14</b>	<b>0.9</b>	<b>0</b>	<b>0.0</b>												
Nov 16 17:15	TLR 1	CURRENT																86	111	131	N/A	
Nov 17 00:49	TLR 0	CURRENT																136	188	186	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	15	335	315	0
7	86	1006	834	26
<b>Total</b>	<b>101</b>	<b>1341</b>	<b>1149</b>	<b>26</b>

### TLR NNL Totals

CA	NNL Relief	
	IDC MW	RC Ackn MW
SPA	4.0	4.0
<b>Total</b>	<b>4.0</b>	<b>4.0</b>