

**ICTE TLR 5 Investigation Report**  
**Flowgate 1324**  
**(Whitebluff - Sheridan 500 kV for the loss of Mabelvale - Sheridan 500 kV)**  
**TLR Level 5: May 19, 2010**  
**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 1324 on May 19, 2010. Flowgate 1324 is an Entergy flowgate. The TLR 5 was in effect from 12:29 AM until 5:30 AM on May 19, 2010. Projected post-contingent flows on the Whitebluff - Sheridan 500 kV line for the loss of the Mabelvale - Sheridan 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 1732 MVA. Flow on the Limiting Element was 1124 MVA. Flow on the Contingent Element was 959 MVA. The LODF was approximately 80%. Post-contingent flow on the Limiting Element was approximately 1891 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 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 achieved their NNL obligation by moving generation on Lewis Creek, Sabine, White Bluff and Independence.

Event History									
Issuing RC:		ICTE							
Flowgate:		1324 - WhiteBluff-Sheridan for loss of Mabelvale-Sheridan							
Event Begin:		2010-05-18 23:00							
Event End:		2010-05-19 06:45							
Event Duration:		7 Hours							
TLR Level	TLR Date	TLR Confirm Time	Run Time	Requested Relief	Remaining Relief	Relief Provided	Total Cuts		
							Tags	MW	
<a href="#">TLR Level 3A</a>	05/18/2010 23:00	05/18/2010 22:39	05/18/2010 22:37:01	216.0	0.0	216.3	12	787	
<a href="#">TLR Level 3A</a>	05/19/2010 00:00	05/18/2010 23:29	05/18/2010 23:28:02	254.0	52.3	201.7	12	593	
<a href="#">TLR Level 5B</a>	05/19/2010 00:45	05/19/2010 00:29	05/19/2010 00:28:56	200.0	0.0	205.0	50	159	
<a href="#">TLR Level 5A</a>	05/19/2010 02:00	05/19/2010 01:32	05/19/2010 01:29:00	229.0	0.0	333.0	59	660	
<a href="#">TLR Level 5A</a>	05/19/2010 03:00	05/19/2010 02:30	05/19/2010 02:28:12	169.0	0.0	252.5	52	585	
<a href="#">TLR Level 5A</a>	05/19/2010 04:00	05/19/2010 03:32	05/19/2010 03:29:16	171.0	0.0	208.4	45	458	
<a href="#">TLR Level 5A</a>	05/19/2010 05:00	05/19/2010 04:31	05/19/2010 04:27:40	175.0	0.0	196.5	36	441	
<a href="#">TLR Level 5A</a>	05/19/2010 06:00	05/19/2010 05:30	05/19/2010 05:26:12	149.0	0.0	161.3	35	167	
<a href="#">TLR Level 0</a>	05/19/2010 06:45	05/19/2010 06:33	05/19/2010 06:32:54	0.0	0.0	0.0	0	0	

## Event Summary

FILE SAVED AS: ICTE\_1324\_20100518\_2200.htm

<b>Incident:</b>	ICTE_1324_20100518_2200	<b>Date:</b>	05/18/2010 (CDT)	<b>Reliability Coordinator:</b>	ICTE
<b>Initial Conditions:</b>	N/A				
<b>Flowgate:</b>	1324 - WhiteBluff-Sheridan for loss o...	<b>Rating:</b>	1732	<b>LODF:</b>	79.88%
<b>TLR Direction:</b>	Normal				
<b>Effective StartTime:</b>	05/18/2010 23:00 (CDT)	<b>Effective EndTime:</b>	05/19/2010 06:45 (CDT)	<b>TLR Duration:</b>	7 Hours and 45 Minutes

## TLR Actions

Confirm Time	Level	Effective Hour	Priority	Schedule						NNL Relief			Market Relief				Flow		Cont. Flow	TLR Action Comments	
				Total Tags Cut / Hold	IDC Cut		RC Cut Acknowledge		Hold		CA	IDC MV	RC Akn MV	Type	Mkt	IDC MV	RC Akn MV	Current			Post Cont.
					MV	Relief	MV	Relief	MV	Relief											
May 18 22:39 (CDT)	TLR 3A	NEXT	1-NS 2-NH 5-NN 7-F <b>Total</b>	2 / 0 4 / 0 7 / 0 13 / 0	21 308 480 787	3.2 48.7 81.0 132.9	21 308 480 787	3.2 48.7 81.0 132.9	0 0 0 0	0.0 0.0 0.0 0.0	NONE	ED-2 ED-5 FIRM-7 <b>Total</b>	SWPP SWPP SWPP 83.4	0.0 75.0 8.4 83.4	0.0 75.0 8.4 83.4	1022	1555	858	N/A		
May 18 23:29 (CDT)	TLR 3A	NEXT	2-NH 5-NN 7-F <b>Total</b>	7 / 0 5 / 0 0 / 1 12 / 1	134 459 5 593	10.0 83.7 0.0 93.7	134 459 5 593	10.0 83.7 0.0 93.7	0 0 100 100	0.0 0.0 29.9 29.9	NONE	ED-2 ED-5 FIRM-7 <b>Total</b>	SWPP SWPP SWPP 108.0	0.0 108.0 0.0 108.0	0.0 108.0 0.0 108.0	1059	1891	792	N/A		
May 19 00:29 (CDT)	TLR 5B	CURRENT	7-F <b>Total</b>	50 / 0 50 / 0	159 159	37.8 37.8	159 159	37.8 37.8	0 0	0.0 0.0	AECI EES SMEE TVA <b>Total</b>	1.0 84.0 3.0 10.0 98.0	2.0 84.0 4.0 10.0 100.0	ED-2 ED-5 FIRM-7 <b>Total</b>	SWPP SWPP SWPP 139.2	0.0 139.2 0.0 139.2	1124	1890	859	N/A	
		NEXT	1-NS 2-NH 5-NN 7-F <b>Total</b>	2 / 0 4 / 0 4 / 0 41 / 0 51 / 0	162 81 242 159 123.4	30.1 8.2 48.7 38.5 123.4	162 81 242 159 624	30.1 8.2 48.7 38.5 123.4	0 0 0 0 0	0.0 0.0 0.0 0.0 0.0	NONE	NONE	NONE	NONE	NONE						
May 19 01:32 (CDT)	TLR 5A	NEXT	2-NH 5-NN 7-F <b>Total</b>	4 / 0 5 / 0 50 / 0 59 / 0	81 459 140 690	8.2 83.7 33.9 123.7	81 459 140 660	8.2 83.7 33.9 123.7	0 0 0 0	0.0 0.0 0.0 0.0	AECI EES SMEE TVA <b>Total</b>	1.0 88.0 3.0 8.0 98.0	1.0 88.0 3.0 8.0 98.0	ED-2 ED-5 FIRM-7 FIRM-CREDIT <b>Total</b>	SWPP SWPP SWPP SWPP 131.1	0.0 131.1 0.0 0.0 131.1	934	1017	858	N/A	
May 19 02:30 (CDT)	TLR 5A	NEXT	2-NH 5-NN 7-F <b>Total</b>	1 / 0 45 / 1 46 / 1 52 / 1	50 459 78 585	5.6 80.5 17.7 104.3	50 459 78 585	5.6 80.5 17.7 104.3	0 0 250 250	0.0 0.0 34.7 34.7	AECI EES SMEE TVA <b>Total</b>	1.0 28.0 1.0 3.0 33.0	1.0 28.0 1.0 3.0 33.0	ED-2 ED-5 FIRM-7 FIRM-CREDIT <b>Total</b>	SWPP SWPP SWPP SWPP 114.9	0.0 114.9 0.0 0.0 114.9	911	1594	858	N/A	
May 19 03:32 (CDT)	TLR 5A	NEXT	2-NH 5-NN 7-F <b>Total</b>	2 / 0 4 / 0 39 / 0 45 / 0	51 359 48 458	5.6 58.8 10.6 76.1	51 359 48 458	5.6 58.8 10.6 76.1	0 0 0 0	0.0 0.0 0.0 0.0	EES SMEE TVA <b>Total</b>	15.0 1.0 2.0 18.0	15.0 1.0 2.0 18.0	ED-2 ED-5 FIRM-7 FIRM-CREDIT <b>Total</b>	SWPP SWPP SWPP SWPP 115.0	0.0 115.0 0.0 0.0 115.0	900	1558	875	N/A	
May 19 04:31 (CDT)	TLR 5A	NEXT	2-NH 5-NN 7-F <b>Total</b>	1 / 0 4 / 0 31 / 1 36 / 1	50 359 32 441	5.6 59.8 7.2 72.6	50 359 32 441	5.6 59.8 7.2 72.6	0 0 50 50	0.0 0.0 6.0 6.0	EES TVA <b>Total</b>	7.0 1.0 8.0	7.0 1.0 8.0	ED-2 ED-5 FIRM-7 FIRM-CREDIT <b>Total</b>	SWPP SWPP SWPP SWPP 115.4	0.0 115.4 0.0 0.0 115.4	803	1539	847	N/A	
May 19 05:35 (CDT)	TLR 5A	NEXT	2-NH 5-NN 7-F <b>Total</b>	1 / 0 2 / 0 32 / 0 35 / 0	50 24 33 167	5.6 9.7 8.8 21.1	50 24 33 167	5.6 9.7 8.8 21.1	0 0 0 0	0.0 0.0 0.0 0.0	EES TVA <b>Total</b>	8.0 1.0 9.0	8.0 1.0 9.0	ED-2 ED-5 FIRM-7 FIRM-CREDIT <b>Total</b>	SWPP SWPP SWPP SWPP 130.5	0.0 130.5 0.0 0.0 130.5	1025	1715	864	N/A	
May 19 06:33 (CDT)	TLR 0	CURRENT				NONE					NONE			NONE			839	1403	707	N/A	

### TLR Schedule Totals

Priority	Schedule				
	Total Tags Cut / Hold	IDC Cut MV	RC Cut Acknowledge MV	Hold MV	
0	0	0	0	0	0
1	4	183		183	0
2	24	763		763	0
3	0	0		0	0
4	0	0		0	0
5	0	0		0	0
6	36	2881		2881	0
7	289	847		847	400
<b>Total</b>	<b>353</b>	<b>4474</b>		<b>4474</b>	<b>400</b>

### TLR NNL Totals

NNL Relief		
CA	IDC MV	RC Akn MV
AECI	3.0	4.0
EES	208.0	208.0
SMEE	8.0	8.0
TVA	25.0	25.0
<b>Total</b>	<b>244.0</b>	<b>246.0</b>

### TLR Market Flow Totals

Market	Type	Market Relief	
		IDC MV	RC Akn MV
SWPP	ED-2	0.0	0.0
	ED-5	929.2	929.1
	FIRM-7	8.4	8.4
<b>Total for SWPP</b>		<b>937.7</b>	<b>937.5</b>
<b>Total</b>		<b>937.7</b>	<b>937.5</b>