

ICTE TLR 5 Investigation Report
Flowgate 1324
(White Bluff - Sheridan 500 kV for the loss of Mabelvale - Sheridan 500 kV)
TLR Level 5: May 1, 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 April 30, 2010. Flowgate 1324 is an Entergy flowgate. The TLR 5 was in effect from 1:40 AM until 6:27 AM on May 1, 2010. Projected post-contingent flows on the White Bluff - 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 5a was issued, the Limiting Element was rated at 1732 MVA. Flow on the Limiting Element was 1134 MVA. Flow on the Contingent Element was 921 MVA. The LODF was approximately 84%. Post-contingent flow on the Limiting Element was approximately 1909 MVA.

3. TLR levels, timing, and relief requested amounts.

TLRs levels, timing and relief requested amounts are shown on pages 2, 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 achieved their NNL obligation by moving generation on White Bluff, Lewis Creek, and Sabine.

Event History								
Issuing RC:		ICTE						
Flowgate:		1324 - WhiteBluff-Sheridan for loss of Mabelvale-Sheridan						
Event Begin:		2010-04-30 23:15						
Event End:		2010-05-01 13:30						
Event Duration:		14 Hours						
TLR Level	TLR Date	TLR Confirm Time	Run Time	Requested Relief	Remaining Relief	Relief Provided	Total Cuts	
							Tags	MW
TLR Level 1	04/30/2010 23:15	04/30/2010 23:06	04/30/2010 23:06:31	0.0	0.0	0.0	0	0
TLR Level 3A	05/01/2010 01:00	05/01/2010 00:40	05/01/2010 00:33:38	101.0	0.0	101.1	10	494
TLR Level 5A	05/01/2010 02:00	05/01/2010 01:40	05/01/2010 01:38:19	213.0	0.0	215.4	41	522
TLR Level 5A	05/01/2010 03:00	05/01/2010 02:37	05/01/2010 02:34:51	35.0	0.0	119.9	33	441
TLR Level 5A	05/01/2010 04:00	05/01/2010 03:32	05/01/2010 03:28:28	32.0	0.0	100.0	5	406
TLR Level 5A	05/01/2010 05:00	05/01/2010 04:31	05/01/2010 04:27:06	50.0	0.0	103.0	5	406
TLR Level 5A	05/01/2010 06:00	05/01/2010 05:31	05/01/2010 05:28:59	30.0	0.0	31.9	14	112
TLR Level 5A	05/01/2010 07:00	05/01/2010 06:29	05/01/2010 06:27:38	0.0	0.0	32.6	3	101
TLR Level 1	05/01/2010 07:40	05/01/2010 07:27	05/01/2010 07:26:55	0.0	0.0	0.0	0	0
TLR Level 0	05/01/2010 13:30	05/01/2010 13:21	05/01/2010 13:20:51	0.0	0.0	0.0	0	0

Event Summary

FILE SAVED AS: ICTE_1324_20100430_2215.htm

Incident: ICTE_1324_20100430_2215 **Date:** 04/30/2010 **Reliability Coordinator:** ICTE
Initial Conditions: N/A
Flowgate: 1324 - WhiteBluff-Sheridan for loss o... **Rating:** 1732 **LODF:** 81.51%
TLR Direction: Normal
Effective StartTime: 04/30/2010 23:15 **Effective EndTime:** 05/01/2010 13:30 **TLR Duration:** 14 Hours and 15 Minutes

TLR Actions

Confirm Time	Level	Effective Hour	Priority	Schedule								NNL Relief			Market Relief				Flow			TLR Action Comment
				Total Tags Cut / Hold	IDC Cut		RC Cut Acknowledge		Hold		CA	IDC MW	RC Actn MW	Type	Mkt	IDC MW	RC Actn MW	Current	Post Cont.	Cont. Flow		
					MW	Relief	MW	Relief	MW	Relief												
Apr 30 23:05	TLR 1	CURRENT		NONE								NONE			NONE				1115	1817	882	N/A
May 01 00:40	TLR 3A	NEXT	2-NH 6-NN 7-F Total	3 / 0 3 / 0 0 / 1 6 / 1	208 278 0 484	58.1 40.8 0 99.0	208 278 0 484	58.1 40.8 0 99.0	0 0 50 50	0.0 0.0 3.4 3.4	NONE			ED-2 ED-6 FIRM-7 Total	SWPP SWPP SWPP 0.0	0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0	1150	1887	898	N/A	
May 01 01:40	TLR 5A	NEXT	2-NH 6-NN 7-F Total	1 / 0 3 / 0 36 / 0 40 / 0	100 300 118 516	28.0 88.8 22.4 117.0	100 300 118 516	28.0 88.8 22.4 117.0	0 0 0 0	0.0 0.0 0.0 0.0	EES LAGN SME TVA Total	78.0 1.0 1.0 3.0 83.0	78.0 1.0 1.0 3.0 83.0	ED-2 ED-6 FIRM-7 FIRM-CREDIT Total	SWPP SWPP SWPP SWPP 14.2	0.0 0.0 0.0 0.0 14.2	1134	1884	921	N/A		
May 01 02:37	TLR 5A	NEXT	2-NH 6-NN 7-F Total	2 / 0 3 / 0 28 / 0 33 / 0	108 300 35 441	29.7 88.7 5.9 102.2	108 300 35 441	29.7 88.7 5.9 102.2	0 0 0 0	0.0 0.0 0.0 0.0	EES TVA Total	13.0 1.0 14.0	13.0 1.0 14.0	ED-2 ED-6 FIRM-7 FIRM-CREDIT Total	SWPP SWPP SWPP SWPP 3.5	0.0 3.5 0.0 0.0 3.5	874	1592	881	N/A		
May 01 03:32	TLR 5A	NEXT	2-NH 6-NN 7-F Total	1 / 0 3 / 0 28 / 0 4 / 0	100 300 89.3 400	28.0 88.8 97.3 97.3	100 300 89.3 400	28.0 88.8 97.3 97.3	0 0 0 0	0.0 0.0 0.0 0.0	NONE			ED-2 ED-6 FIRM-7 FIRM-CREDIT Total	SWPP SWPP SWPP SWPP 1.0	0.0 1.0 0.0 0.0 1.0	881	1804	888	N/A		
May 01 04:31	TLR 5A	NEXT	2-NH 6-NN 7-F Total	2 / 0 3 / 0 28 / 0 5 / 0	108 300 89.3 406	29.7 88.8 99.0 99.0	108 300 89.3 406	29.7 88.8 99.0 99.0	0 0 0 0	0.0 0.0 0.0 0.0	NONE			ED-2 ED-6 FIRM-7 FIRM-CREDIT Total	SWPP SWPP SWPP SWPP 4.0	0.0 4.0 0.0 0.0 4.0	871	1854	876	N/A		
May 01 05:31	TLR 5A	NEXT	2-NH 7-F Total	3 / 0 11 / 1 14 / 1	101 11 112	16.8 2.5 19.1	101 11 112	16.8 2.5 19.1	0 5 5	0.0 0.3 0.3	EES Total	3.0 3.0	3.0 3.0	ED-2 ED-6 FIRM-7 FIRM-CREDIT Total	SWPP SWPP SWPP SWPP 9.5	0.0 9.5 0.0 0.0 9.5	881	1552	848	N/A		
May 01 06:29	TLR 5A	NEXT	2-NH 6-NN 7-F Total	3 / 0 0 / 1 9 / 1 3 / 2	101 0 9 101	16.8 0.0 16.6 16.6	101 0 9 101	16.8 0.0 16.6 16.6	0 5 55 55	0.0 2.4 13.5 16.0	NONE			ED-2 ED-6 FIRM-7 FIRM-CREDIT Total	SWPP SWPP SWPP SWPP 16.0	0.0 16.0 0.0 0.0 16.0	787	1435	795	N/A		
May 01 07:27	TLR 1	CURRENT		NONE								NONE			NONE				913	1478	694	N/A
May 01 13:21	TLR 0	CURRENT		NONE								NONE			NONE				944	1153	330	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	0
1	0	0	0	0	0
2	15	820	820	0	0
3	0	0	0	0	0
4	0	0	0	0	0
5	0	0	0	0	0
6	15	1478	1478	5	5
7	75	162	162	105	105
Total	105	2460	2460	110	

TLR NNL Totals

CA	NNL Relief	
	IDC MW	RC Actn MW
EES	94.0	94.0
LAGN	1.0	1.0
SME	1.0	1.0
TVA	4.0	4.0
Total	100.0	100.0

TLR Market Flow Totals

Market	Type	Market Relief	
		IDC MW	RC Ackn MW
SWPP	ED-2	0.0	0.0
	ED-6	48.1	48.2
	FIRM-7	0.0	0.0
Total for SWPP		48.1	48.2
Total		48.1	48.2