

ICTE TLR 5 Investigation Report
Flowgate 1347
(Wilbert-Livonia Bulk 138 kV for the loss of Webre-Wells 500 kV)
TLR Level 5: December 10, 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 1347 on December 10, 2008. Flowgate 1347 is an Entergy flowgate. The TLR 5 was in effect from 2:35 AM until 5:30 AM CST on December 10, 2008. Projected post-contingent flows on the Wilbert-Livonia Bulk 138 kV line for the loss of the Webre-Wells 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 318 MVA. Flow on the Limiting Element was 102 MVA. Flow on the Contingent Element was 1241 MVA. The LODF was approximately 19%. Post-contingent flow on the Limiting Element was approximately 338 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 during this TLR Level 5 by moving generation on Nelson 3 and 4, Sabine 4 and 5, and Lewis Creek.

Event History									
Issuing RC:		ICTE							
Flowgate:		1347 - Wilbert-Livonia for loss of Webre-Wells							
Event Begin:		2008-12-09 22:50							
Event End:		2008-12-10 07:35							
Event Duration:		9 Hours							
TLR Level	TLR Date (CST)	TLR Confirm Time (CST)	Run Time (CST)	Requested Relief	Remaining Relief	Relief Provided	Total Cuts		
							Tags	MW	
TLR Level 1	12/09/2008 22:50	12/09/2008 22:43	12/09/2008 22:43:46	0.0	0.0	0.0	0	0	
TLR Level 4	12/10/2008 00:40	12/10/2008 00:29	12/10/2008 00:28:33	0.0	0.0	0.0	2	32	
TLR Level 4	12/10/2008 01:40	12/10/2008 01:28	12/10/2008 01:28:15	0.0	0.0	0.0	0	0	
TLR Level 5B	12/10/2008 02:35	12/10/2008 02:24	12/10/2008 02:23:38	32.0	0.0	32.0	10	42	
TLR Level 5A	12/10/2008 04:00	12/10/2008 03:29	12/10/2008 03:28:04	31.0	0.0	57.9	10	67	
TLR Level 5A	12/10/2008 05:00	12/10/2008 04:33	12/10/2008 04:32:23	0.0	0.0	46.8	10	51	
TLR Level 5A	12/10/2008 06:00	12/10/2008 05:29	12/10/2008 05:28:48	50.0	0.0	90.8	14	106	
TLR Level 0	12/10/2008 07:35	12/10/2008 07:23	12/10/2008 07:23:23	0.0	0.0	0.0	0	0	

12/22/2008 10:50:43 (CST)
 OATI IDC Support Phone: 763-201-2010 Fax: 763-553-2813
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Event Summary

FILE SAVED AS: ICTE_1347_20081209_2250.htm

Incident: ICTE_1347_20081209_2250	Date: 12/09/2008	Reliability Coordinator: ICTE
Initial Conditions: N/A		
Flowgate: 1347 - Wilbert-Livonia for loss of We...	Rating: 318	LODF: 20.25%
TLR Direction: Normal		
Effective StartTime: 12/09/2008 22:50	Effective EndTime: 12/10/2008 07:35	TLR Duration: 8 Hours and 45 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											
Dec 09 22:43	TLR 1	CURRENT		NONE							NONE			NONE			91	320	1133	N/A	
Dec 10 00:29	TLR 4	CURRENT	2-NH	1 / 0	29	3.2	29	3.2	0	0.0	NONE			NONE			95	332	1174	N/A	
			6-NN	1 / 0	3	0.5	3	0.5	0	0.0	NONE			NONE							
			Total	2 / 0	65	3.7	32	3.7	0	0.0	NONE			NONE							
		NEXT	2-NH	1 / 0	29	3.2	29	3.2	0	0.0	NONE			NONE			90	341	1199	N/A	
			6-NN	1 / 0	4	0.6	4	0.6	0	0.0	NONE			NONE							
			Total	2 / 0	65	3.8	33	3.8	0	0.0	NONE			NONE							
Dec 10 01:28	TLR 4	CURRENT		NONE							NONE			NONE			90	341	1199	N/A	
		NEXT	2-NH	1 / 0	29	3.5	29	3.5	0	0.0	NONE			NONE			102	353	1241	N/A	
			6-NN	1 / 0	9	1.4	9	1.4	0	0.0	EES LAGN	20.0	20.0	NONE							
			Total	2 / 0	38	4.9	38	4.9	0	0.0						Total					27.0
Dec 10 02:24	TLR 5B	CURRENT	7-F	10 / 0	42	5.2	42	5.2	0	0.0	EES LAGN	20.0	20.0	NONE		102	353	1241	N/A		
		NEXT	2-NH	1 / 0	29	3.5	29	3.5	0	0.0	NONE			NONE			102	351	1232	N/A	
			6-NN	1 / 0	6	1.0	6	1.0	0	0.0	EES LAGN	38.0	38.0	NONE							
			Total	11 / 0	42	8.8	72	8.8	0	0.0						Total					50.0
Dec 10 03:29	TLR 5A	NEXT	6-NN	1 / 0	4	0.6	4	0.6	0	0.0	EES LAGN	38.0	38.0	NONE		102	351	1232	N/A		
		NEXT	7-F	9 / 0	63	7.5	63	7.5	0	0.0	NONE			NONE			85	295	1038	N/A	
			6-NN	1 / 0	3	0.5	3	0.5	0	0.0	EES LAGN	32.0	32.0	NONE							
			Total	10 / 0	67	8.1	67	8.1	0	0.0						Total					41.0
Dec 10 04:33	TLR 5A	NEXT	6-NN	1 / 0	3	0.5	3	0.5	0	0.0	EES LAGN	32.0	32.0	NONE		104	347	1205	N/A		
		NEXT	7-F	9 / 0	48	5.7	48	5.7	0	0.0	NONE			NONE			104	347	1205	N/A	
			6-NN	1 / 1	10	1.8	10	1.8	15	0.8	EES LAGN	62.0	62.0	NONE							
			Total	14 / 1	106	13.0	106	13.0	15	0.8						Total					78.0
Dec 10 07:23	TLR 0	CURRENT		NONE							NONE			NONE			112	357	1213	Outage in SDX caused IDC to not calculate NNL curtailments: (IDC calculated correctly) Issued on parallel FG 1309 to alleviate constraint (1309 is also overloaded)	

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	4	116	116	0
3	0	0	0	0
4	0	0	0	0
5	0	0	0	0
6	7	39	39	15
7	50	286	286	0
Total	61	441	441	15

TLR NNL Totals

CA	NNL Relief	
	IDC MW	RC Ackn MW
EES	152.0	152.0
LAGN	44.0	44.0
Total	196.0	196.0