

SPP TLR 5 Investigation Report
Flowgate 6145
(Lake Rd. – Alabama 161 kV for loss of latan – Stranger Creek 345 kV)
(LAKALAIATSTR)
TLR Level 5: August 8, 2009
Report Issued: August 28, 2009

1. Description of purpose/cause of hold/curtailment.

This report is submitted in accordance with the NERC Transmission Loading Relief Investigation Procedure for the Level 5 TLR event that occurred on Flowgate 6145 on August 8, 2009. Flowgate 6145 is an SPP flowgate. The Level 5 TLR was in effect from 14:00 until 15:00 CST on August 8, 2009. Projected post-contingent flows on the Lake Road – Alabama 161 kV line exceeded the SOL.

2. Facility/flowgate limitations and flows at the time the TLR was initiated.

At the time the Level 5A TLR was issued, the Limiting Element was rated at 172 MVA. Flow on the Limiting Element was 106 MVA. Flow on the Contingent Element was 510 MVA. The LODF was approximately 13%. Post-contingent flow on the Limiting Element was approximately 170 MVA.

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

TLRs levels, timing and relief requested amounts are shown in the Event History and NERC TLR Log on pages 3-8.

4. Transmission and generation outages or changes from prediction that may have contributed.

There were no unplanned outages that contributed to this TLR.

5. Procedures implemented prior to hold/curtailment.

Non-firm transactions had already been curtailed due to TLR action. The TLR was escalated to a Level 5 in order to curtail firm transactions and firm market flow.

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 SPP Reliability Coordinators logged information describing the actions taken at each issuance of the TLR, see page 9-10. Times in the RC Log are CST.

9. Flowgate limitations as identified by security analysis processes conducted by the Reliability Authority for the day prior to the TLR event.

The next day study process did not indicate an issue with this flowgate based upon conditions at the time of the daily peak.

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 SPP Reliability Coordinator was monitoring their state estimator, RTCA and RTLODF applications for current flowgate loading and other potential issues during this time. eDNA data historian recorded all line flows before, during and after the Level 5 TLR event, see page 11.

11. ATC limitations before, during, and after the TLR event.

SPP Tariff Administration grants transmission service using an AFC process. This process evaluates each transmission request on a case by case basis. SPP Tariff Administration was not granting any transmission requests that impacted the congested flowgate by 3 % or greater at the time of the Level 5 TLR.

12. Description of actions taken to avoid future hold/curtailments.

This TLR was caused by a combination of generation patterns, load, and system flows. No additional action was taken.

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 are archived in the IDC. These screen shots have not been included to reduce the size of this report.

14. Re-dispatch actions taken.

SPP EIS Market redispatch was implemented during the entire TLR event. Firm and non-firm Market Flow were reduced on the flowgate as reported in the TLR Event History and NERC TLR Log on pages 3-8.

TLR Event History

6145 - Lake Road-Nashua 161 flo latan-Stranger Creek 345kV

Status	TLR Level	TLR Date (CST)	TLR Confirm Time (CST)	Run Time (CST)	Requested Relief	Remaining Relief	Relief Provided	Total Cuts	
								Tags	MW
SUPERSEDED	3B	08/06/2009 21:15	08/06/2009 21:03	08/06/2009 21:03:07	50.0	13.3	36.7	4	415
SUPERSEDED	3A	08/06/2009 23:00	08/06/2009 22:29	08/06/2009 22:28:50	22.0	22.0	0.0	0	0
SUPERSEDED	3A	08/07/2009 00:00	08/06/2009 23:27	08/06/2009 23:27:17	33.0	33.0	0.0	0	0
SUPERSEDED	3A	08/07/2009 01:00	08/07/2009 00:27	08/07/2009 00:26:43	23.0	23.0	0.0	0	0
SUPERSEDED	3A	08/07/2009 02:00	08/07/2009 01:27	08/07/2009 01:26:45	20.0	20.0	0.0	0	0
SUPERSEDED	3A	08/07/2009 03:00	08/07/2009 02:27	08/07/2009 02:26:54	34.0	34.0	0.0	0	0
SUPERSEDED	3A	08/07/2009 04:00	08/07/2009 03:27	08/07/2009 03:27:01	51.0	33.0	18.0	2	164
SUPERSEDED	3A	08/07/2009 05:00	08/07/2009 04:26	08/07/2009 04:26:32	49.0	31.1	17.9	3	171
SUPERSEDED	3A	08/07/2009 06:00	08/07/2009 05:29	08/07/2009 05:29:04	0.0	0.0	0.0	0	0
SUPERSEDED	3A	08/07/2009 07:00	08/07/2009 06:26	08/07/2009 06:26:05	0.0	0.0	0.0	0	0
SUPERSEDED	3A	08/07/2009 08:00	08/07/2009 07:29	08/07/2009 07:29:19	0.0	0.0	1.1	1	12
SUPERSEDED	3A	08/07/2009 09:00	08/07/2009 08:27	08/07/2009 08:27:15	50.0	17.3	32.7	5	315
SUPERSEDED	3A	08/07/2009 10:00	08/07/2009 09:30	08/07/2009 09:29:21	14.0	13.3	0.7	1	5
SUPERSEDED	3A	08/07/2009 11:00	08/07/2009 10:31	08/07/2009 10:31:20	40.0	39.3	0.7	1	5
SUPERSEDED	3A	08/07/2009 12:00	08/07/2009 11:27	08/07/2009 11:26:46	32.0	31.2	0.8	1	5
SUPERSEDED	3A	08/07/2009 13:00	08/07/2009 12:30	08/07/2009 12:30:01	52.0	51.2	0.8	1	5
SUPERSEDED	3A	08/07/2009 14:00	08/07/2009 13:31	08/07/2009 13:31:09	48.0	47.2	0.8	1	5
SUPERSEDED	3A	08/07/2009 15:00	08/07/2009 14:29	08/07/2009 14:29:06	88.0	87.2	0.8	1	5
SUPERSEDED	3A	08/07/2009 16:00	08/07/2009 15:30	08/07/2009 15:30:30	76.0	75.2	0.8	1	5
SUPERSEDED	3A	08/07/2009 17:00	08/07/2009 16:33	08/07/2009 16:32:41	36.0	35.2	0.8	1	5
SUPERSEDED	3A	08/07/2009 18:00	08/07/2009 17:37	08/07/2009 17:36:42	13.0	12.2	0.8	1	5
SUPERSEDED	3A	08/07/2009 19:00	08/07/2009 18:34	08/07/2009 18:34:00	0.0	0.0	0.0	0	0
SUPERSEDED	3A	08/07/2009 20:00	08/07/2009 19:36	08/07/2009 19:36:05	31.0	30.2	0.8	1	5
SUPERSEDED	3A	08/07/2009 21:00	08/07/2009 20:32	08/07/2009 20:31:55	34.0	34.0	0.0	0	0
SUPERSEDED	3A	08/07/2009 22:00	08/07/2009 21:42	08/07/2009 21:41:28	51.0	51.0	0.0	0	0
SUPERSEDED	3A	08/07/2009 23:00	08/07/2009 22:28	08/07/2009 22:27:44	38.0	38.0	0.0	0	0
SUPERSEDED	3A	08/08/2009 00:00	08/07/2009 23:29	08/07/2009 23:28:38	40.0	40.0	0.0	0	0
SUPERSEDED	3A	08/08/2009 01:00	08/08/2009 00:29	08/08/2009 00:29:32	20.0	20.0	0.0	0	0
SUPERSEDED	3A	08/08/2009 02:00	08/08/2009 01:37	08/08/2009 01:36:46	17.0	17.0	0.0	0	0
SUPERSEDED	3A	08/08/2009 03:00	08/08/2009 02:35	08/08/2009 02:34:39	14.0	14.0	0.0	0	0
SUPERSEDED	3A	08/08/2009 04:00	08/08/2009 03:32	08/08/2009 03:31:06	16.0	16.0	0.0	0	0
SUPERSEDED	3A	08/08/2009 05:00	08/08/2009 04:32	08/08/2009 04:31:58	0.0	0.0	0.0	0	0
SUPERSEDED	3A	08/08/2009 06:00	08/08/2009 05:37	08/08/2009 05:36:31	42.0	42.0	0.0	0	0
SUPERSEDED	3A	08/08/2009 07:00	08/08/2009 06:35	08/08/2009 06:35:12	32.0	32.0	0.0	0	0
SUPERSEDED	3A	08/08/2009 08:00	08/08/2009 07:35	08/08/2009 07:34:06	21.0	21.0	0.0	0	0
SUPERSEDED	3A	08/08/2009 09:00	08/08/2009 08:34	08/08/2009 08:34:09	24.0	24.0	0.0	0	0
SUPERSEDED	3A	08/08/2009 10:00	08/08/2009 09:36	08/08/2009 09:36:09	29.0	29.0	0.0	0	0
SUPERSEDED	3A	08/08/2009 11:00	08/08/2009 10:33	08/08/2009 10:33:11	29.0	29.0	0.0	0	0
SUPERSEDED	3A	08/08/2009 12:00	08/08/2009 11:33	08/08/2009 11:32:37	30.0	30.0	0.0	0	0
SUPERSEDED	3A	08/08/2009 13:00	08/08/2009 12:30	08/08/2009 12:30:20	26.0	26.0	0.0	0	0
SUPERSEDED	5A	08/08/2009 14:00	08/08/2009 13:31	08/08/2009 13:30:47	0.0	0.0	0.0	0	0
SUPERSEDED	3A	08/08/2009 15:00	08/08/2009 14:30	08/08/2009 14:30:01	24.0	24.0	0.0	0	0
SUPERSEDED	3A	08/08/2009 16:00	08/08/2009 15:32	08/08/2009 15:31:39	0.0	0.0	0.0	0	0
TERMINATED	0	08/08/2009 16:40	08/08/2009 16:30	08/08/2009 16:29:46	0.0	0.0	0.0	0	0

Event Summary

FILE SAVED AS: SWPP_6145_20090806_2115.htm

Incident: SWPP_6145_20090806_2115	Date: 08/06/2009	Reliability Coordinator: SWPP
Initial Conditions: Load Increasing		
Flowgate: 6145 - Lake Road-Nashua 161 flo laten...	Rating: 172	LODF: 12.64%
TLR Direction: Normal		
Effective StartTime: 08/06/2009 21:15	Effective EndTime: 08/08/2009 16:40	TLR Duration: 43 Hours and 25 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											
Aug 06 21:03	TLR 3B	CURRENT	1-NS 2-NH 6-NN Total	2 / 0 1 / 0 1 / 0 4 / 0	315 50 50 415	29.0 2.8 5.1 36.7	315 50 50 415	29.0 2.8 5.1 36.7	0 0 0 0	0.0 0.0 0.0 0.0	NONE	ED-2 ED-8 FIRM-7 Total	SWPP SWPP SWPP 0.0	0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0	108	185	613	N/A		
		NEXT	1-NS 2-NH Total	1 / 0 1 / 0 2 / 0	100 50 415	6.1 2.8 8.7	100 50 150	6.1 2.8 8.7	0 0 0	0.0 0.0 0.0	NONE	ED-2 ED-8 FIRM-7 Total	SWPP SWPP SWPP 0.0	0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0						
Aug 06 22:29	TLR 3A	NEXT	NONE							NONE			ED-2 ED-8 FIRM-7 Total	SWPP SWPP SWPP 0.0	0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0	107	174	538	N/A	
Aug 06 23:27	TLR 3A	NEXT	NONE							NONE			ED-2 ED-8 FIRM-7 Total	SWPP SWPP SWPP 0.0	0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0	95	158	489	N/A	
Aug 07 00:27	TLR 3A	NEXT	NONE							NONE			ED-2 ED-8 FIRM-7 Total	SWPP SWPP SWPP 0.0	0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0	98	170	578	N/A	
Aug 07 01:27	TLR 3A	NEXT	NONE							NONE			ED-2 ED-8 FIRM-7 Total	SWPP SWPP SWPP 0.0	0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0	93	162	550	N/A	
Aug 07 02:27	TLR 3A	NEXT	NONE							NONE			ED-2 ED-8 FIRM-7 Total	SWPP SWPP SWPP 0.0	0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0	88	160	578	N/A	
Aug 07 03:27	TLR 3A	NEXT	1-NS 2-NH Total	1 / 0 1 / 0 2 / 0	90 74 164	9.6 8.4 18.0	90 74 164	9.6 8.4 18.0	0 0 0	0.0 0.0 0.0	NONE	ED-2 ED-8 FIRM-7 Total	SWPP SWPP SWPP 0.0	0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0	90	165	598	N/A		

Aug 07 04:26	TLR 3A	NEXT	1-NS 4-NW 8-NN Total	1 / 0 1 / 0 1 / 0 3 / 0	116 5 50 171	12.4 0.7 4.9 17.9	116 5 50 171	12.4 0.7 4.9 17.9	0 0 0 0	0.0 0.0 0.0 0.0	NONE	ED-2 ED-8 FIRM-7 Total	SWPP SWPP SWPP	0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0	87	162	595	N/A
Aug 07 05:29	TLR 3A	NEXT	NONE								NONE	ED-2 ED-8 FIRM-7 Total	SWPP SWPP SWPP	0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0	79	149	560	N/A
Aug 07 06:26	TLR 3A	NEXT	NONE								NONE	ED-2 ED-8 FIRM-7 Total	SWPP SWPP SWPP	0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0	84	163	631	N/A
Aug 07 07:29	TLR 3A	NEXT	2-NH Total	0 / 2 0 / 2	0 0	0.0 0.0	0 0	0.0 0.0	24 24	2.2 2.2	NONE	ED-2 ED-8 FIRM-7 Total	SWPP SWPP SWPP	0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0	92	175	662	N/A
Aug 07 08:27	TLR 3A	NEXT	1-NS 2-NH 4-NW 8-NN Total	1 / 0 1 / 2 1 / 0 2 / 0 5 / 2	215 30 5 65 315	22.9 2.7 0.7 6.3 32.7	215 30 5 65 315	22.9 2.7 0.7 6.3 32.7	0 60 5 0 60	0.0 5.4 0.0 0.0 5.4	NONE	ED-2 ED-8 FIRM-7 Total	SWPP SWPP SWPP	0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0	88	166	623	N/A
Aug 07 09:30	TLR 3A	NEXT	4-NW Total	1 / 0 1 / 0	5 5	0.7 0.7	5 5	0.7 0.7	0 0	0.0 0.0	NONE	ED-2 ED-8 FIRM-7 Total	SWPP SWPP SWPP	0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0	103	178	597	N/A
Aug 07 10:31	TLR 3A	NEXT	4-NW Total	1 / 0 1 / 0	5 5	0.7 0.7	5 5	0.7 0.7	0 0	0.0 0.0	NONE	ED-2 ED-8 FIRM-7 Total	SWPP SWPP SWPP	0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0	99	170	565	N/A
Aug 07 11:27	TLR 3A	NEXT	4-NW Total	1 / 0 1 / 0	5 5	0.8 0.8	5 5	0.8 0.8	0 0	0.0 0.0	NONE	ED-2 ED-8 FIRM-7 Total	SWPP SWPP SWPP	0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0	105	180	598	N/A
Aug 07 12:30	TLR 3A	NEXT	4-NW Total	1 / 0 1 / 0	5 5	0.8 0.8	5 5	0.8 0.8	0 0	0.0 0.0	NONE	ED-2 ED-8 FIRM-7 Total	SWPP SWPP SWPP	0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0	107	177	560	N/A
Aug 07 13:31	TLR 3A	NEXT	4-NW Total	1 / 0 1 / 0	5 5	0.8 0.8	5 5	0.8 0.8	0 0	0.0 0.0	NONE	ED-2 ED-8 FIRM-7 Total	SWPP SWPP SWPP	0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0	107	173	525	N/A
Aug 07 14:29	TLR 3A	NEXT	4-NW Total	1 / 0 1 / 0	5 5	0.8 0.8	5 5	0.8 0.8	0 0	0.0 0.0	NONE	ED-2 ED-8 FIRM-7 Total	SWPP SWPP SWPP	0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0	106	168	492	N/A
Aug 07 15:30	TLR 3A	NEXT	4-NW Total	1 / 0 1 / 0	5 5	0.8 0.8	5 5	0.8 0.8	0 0	0.0 0.0	NONE	ED-2 ED-8 FIRM-7 Total	SWPP SWPP SWPP	0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0	110	174	510	N/A
Aug 07 16:33	TLR 3A	NEXT	4-NW Total	1 / 0 1 / 0	5 5	0.8 0.8	5 5	0.8 0.8	0 0	0.0 0.0	NONE	ED-2 ED-8 FIRM-7 Total	SWPP SWPP SWPP	0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0	104	164	475	N/A

Aug 07 17:37	TLR 3A	NEXT	4-NW Total	1 / 0 1 / 0	5 5	0.8 0.8	5 5	0.8 0.8	0 0	0.0 0.0	NONE	ED-2 ED-8 FIRM-7 Total	SWPP SWPP SWPP	0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0	104	164	475	N/A
Aug 07 18:34	TLR 3A	NEXT	NONE								NONE	ED-2 ED-8 FIRM-7 Total	SWPP SWPP SWPP	0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0	107	171	514	N/A
Aug 07 19:36	TLR 3A	NEXT	4-NW Total	1 / 0 1 / 0	5 5	0.8 0.8	5 5	0.8 0.8	0 0	0.0 0.0	NONE	ED-2 ED-8 FIRM-7 Total	SWPP SWPP SWPP	0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0	110	178	542	N/A
Aug 07 20:32	TLR 3A	NEXT	NONE								NONE	ED-2 ED-8 FIRM-7 Total	SWPP SWPP SWPP	0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0	108	173	538	N/A
Aug 07 21:42	TLR 3A	NEXT	NONE								NONE	ED-2 ED-8 FIRM-7 Total	SWPP SWPP SWPP	0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0	108	175	549	N/A
Aug 07 22:28	TLR 3A	NEXT	NONE								NONE	ED-2 ED-8 FIRM-7 Total	SWPP SWPP SWPP	0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0	107	177	558	N/A
Aug 07 23:29	TLR 3A	NEXT	NONE								NONE	ED-2 ED-8 FIRM-7 Total	SWPP SWPP SWPP	0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0	108	177	563	N/A
Aug 08 00:29	TLR 3A	NEXT	NONE								NONE	ED-2 ED-8 FIRM-7 Total	SWPP SWPP SWPP	0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0	96	165	553	N/A
Aug 08 01:37	TLR 3A	NEXT	NONE								NONE	ED-2 ED-8 FIRM-7 Total	SWPP SWPP SWPP	0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0	102	174	570	N/A
Aug 08 02:36	TLR 3A	NEXT	NONE								NONE	ED-2 ED-8 FIRM-7 Total	SWPP SWPP SWPP	0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0	100	177	611	N/A
Aug 08 03:32	TLR 3A	NEXT	NONE								NONE	ED-2 ED-8 FIRM-7 Total	SWPP SWPP SWPP	0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0	100	177	618	N/A
Aug 08 04:32	TLR 3A	NEXT	NONE								NONE	ED-2 ED-8 FIRM-7 Total	SWPP SWPP SWPP	0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0	95	167	577	N/A
Aug 08 05:37	TLR 3A	NEXT	NONE								NONE	ED-2 ED-8 FIRM-7 Total	SWPP SWPP SWPP	0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0	87	152	522	N/A

Aug 08 06:35	TLR 3A	NEXT	NONE	NONE	ED-2 ED-8 FIRM-7 Total	SWPP SWPP SWPP	0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0	93	164	562	N/A
Aug 08 07:35	TLR 3A	NEXT	NONE	NONE	ED-2 ED-8 FIRM-7 Total	SWPP SWPP SWPP	0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0	104	178	592	N/A
Aug 08 08:34	TLR 3A	NEXT	NONE	NONE	ED-2 ED-8 FIRM-7 Total	SWPP SWPP SWPP	0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0	105	173	543	N/A
Aug 08 09:38	TLR 3A	NEXT	NONE	NONE	ED-2 ED-8 FIRM-7 Total	SWPP SWPP SWPP	0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0	100	168	548	N/A
Aug 08 10:33	TLR 3A	NEXT	NONE	NONE	ED-2 ED-8 FIRM-7 Total	SWPP SWPP SWPP	0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0	103	176	584	N/A
Aug 08 11:33	TLR 3A	NEXT	NONE	NONE	ED-2 ED-8 FIRM-7 Total	SWPP SWPP SWPP	0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0	107	180	585	N/A
Aug 08 12:30	TLR 3A	NEXT	NONE	NONE	ED-2 ED-8 FIRM-7 Total	SWPP SWPP SWPP	0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0	110	181	564	N/A
Aug 08 13:31	TLR 5A	NEXT	NONE	NONE	ED-2 ED-8 FIRM-7 FIRM-CREDIT Total	SWPP SWPP SWPP SWPP	0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0	106	170	510	N/A
Aug 08 14:30	TLR 3A	NEXT	NONE	NONE	ED-2 ED-8 FIRM-7 Total	SWPP SWPP SWPP	0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0	101	162	484	N/A
Aug 08 15:32	TLR 3A	NEXT	NONE	NONE	ED-2 ED-8 FIRM-7 Total	SWPP SWPP SWPP	0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0	94	153	470	N/A
Aug 08 16:30	TLR 0	CURRENT	NONE	NONE	NONE				77	123	367	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	6	836	836	0
2	4	204	204	84
3	0	0	0	0
4	12	60	60	0
5	0	0	0	0
6	4	165	165	0
7	0	0	0	0
Total	26	1265	1265	84

TLR Market Flow Totals

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

	A	B	C	D	E
1	Reliability Log for August, 6			2009	
2	Time	Initials	Comments		
3	2203	WRG	Issued TLR Level 3B on Lake Rd-Ala 161Kv flo latan-Stranger Creek 345Kv flgt #6145		
4	2328	WRG	Issued TLR Level 3A on Lake Rd-Ala 161Kv flo latan-Stranger Creek 345Kv flgt #6145		
5					
6	Reliability Log for August, 7			2009	
7	Time	Initials	Comments		
8	0126	WRG	Issued TLR Level 3A on Lake Rd-Ala 161Kv flo latan-Stranger Creek 345Kv flgt #6145		
9	0226	WRG	Issued TLR Level 3A on Lake Rd-Ala 161Kv flo latan-Stranger Creek 345Kv flgt #6145		
10	0326	WRG	Issued TLR Level 3A on Lake Rd-Ala 161Kv flo latan-Stranger Creek 345Kv flgt #6145		
11	0427	WRG	Issued TLR Level 3A on Lake Rd-Ala 161Kv flo latan-Stranger Creek 345Kv flgt #6145		
12	0526	WRG	Issued TLR Level 3A on Lake Rd-Ala 161Kv flo latan-Stranger Creek 345Kv flgt #6145		
13	0629	LWB	Re-issued TLR Level 3A on Lake Rd-Ala 161Kv flo latan-Stranger Creek 345Kv flgt #6145		
14	0726	LWB	Re-issued TLR Level 3A on Lake Rd-Ala 161Kv flo latan-Stranger Creek 345Kv flgt #6145		
15	0829	LWB	Re-issued TLR Level 3A on Lake Rd-Ala 161Kv flo latan-Stranger Creek 345Kv flgt #6145		
16	0927	LWB	Re-issued TLR Level 3A on Lake Rd-Ala 161Kv flo latan-Stranger Creek 345Kv flgt #6145		
17	1029	LWB	Re-issued TLR Level 3A on Lake Rd-Ala 161Kv flo latan-Stranger Creek 345Kv flgt #6145		
18	1131	LWB	Re-issued TLR Level 3A on Lake Rd-Ala 161Kv flo latan-Stranger Creek 345Kv flgt #6145		
19	1226	LWB	Re-issued TLR Level 3A on Lake Rd-Ala 161Kv flo latan-Stranger Creek 345Kv flgt #6145		
20	1330	LWB	Re-issued TLR Level 3A on Lake Rd-Ala 161Kv flo latan-Stranger Creek 345Kv flgt #6145		
21	1431	LWB	Re-issued TLR Level 3A on Lake Rd-Ala 161Kv flo latan-Stranger Creek 345Kv flgt #6145		
22	1529	LWB	Re-issued TLR Level 3A on Lake Rd-Ala 161Kv flo latan-Stranger Creek 345Kv flgt #6145		
23	1630	LWB	Re-issued TLR Level 3A on Lake Rd-Ala 161Kv flo latan-Stranger Creek 345Kv flgt #6145		
24	1732	LWB	Re-issued TLR Level 3A on Lake Rd-Ala 161Kv flo latan-Stranger Creek 345Kv flgt #6145		
25	1836	AH	Re-issued TLR Level 3A on Lake Rd-Ala 161Kv flo latan-Stranger Creek 345Kv flgt #6145		
26	1934	AH	Re-issued TLR Level 3A on Lake Rd-Ala 161Kv flo latan-Stranger Creek 345Kv flgt #6145		
27	2036	AH	Re-issued TLR Level 3A on Lake Rd-Ala 161Kv flo latan-Stranger Creek 345Kv flgt #6145		
28	2131	AH	Re-issued TLR Level 3A on Lake Rd-Ala 161Kv flo latan-Stranger Creek 345Kv flgt #6145		
29	2241	AH	Re-issued TLR Level 3A on Lake Rd-Ala 161Kv flo latan-Stranger Creek 345Kv flgt #6145		
30	2327	AH	Re-issued TLR Level 3A on Lake Rd-Ala 161Kv flo latan-Stranger Creek 345Kv flgt #6145		
31					

	A	B	C	D	E
32	Reliability Log for August, 8			2009	
33	Time	Initials	Comments		
34	0028	AH	Re-issued TLR Level 3A on Lake Rd-Ala 161Kv flo latan-Stranger Creek 345Kv flgt #6145		
35	0129	AH	Re-issued TLR Level 3A on Lake Rd-Ala 161Kv flo latan-Stranger Creek 345Kv flgt #6145		
36	0236	AH	Re-issued TLR Level 3A on Lake Rd-Ala 161Kv flo latan-Stranger Creek 345Kv flgt #6145		
37	0334	AH	Re-issued TLR Level 3A on Lake Rd-Ala 161Kv flo latan-Stranger Creek 345Kv flgt #6145		
38	0431	AH	Re-issued TLR Level 3A on Lake Rd-Ala 161Kv flo latan-Stranger Creek 345Kv flgt #6145		
39	0531	AH	Re-issued TLR Level 3A on Lake Rd-Ala 161Kv flo latan-Stranger Creek 345Kv flgt #6145		
40	0638	LWB	Re-issued TLR Level 3A on Lake Rd-Ala 161Kv flo latan-Stranger Creek 345Kv flgt #6145		
41	0735	LWB	Re-issued TLR Level 3A on Lake Rd-Ala 161Kv flo latan-Stranger Creek 345Kv flgt #6145		
42	0834	LWB	Re-issued TLR Level 3A on Lake Rd-Ala 161Kv flo latan-Stranger Creek 345Kv flgt #6145		
43	0934	LWB	Re-issued TLR Level 3A on Lake Rd-Ala 161Kv flo latan-Stranger Creek 345Kv flgt #6145		
44	1036	LWB	Re-issued TLR Level 3A on Lake Rd-Ala 161Kv flo latan-Stranger Creek 345Kv flgt #6145		
45	1133	LWB	Re-issued TLR Level 3A on Lake Rd-Ala 161Kv flo latan-Stranger Creek 345Kv flgt #6145		
46	1232	LWB	Re-issued TLR Level 3A on Lake Rd-Ala 161Kv flo latan-Stranger Creek 345Kv flgt #6145		
47	1330	LWB	Re-issued TLR Level 3A on Lake Rd-Ala 161Kv flo latan-Stranger Creek 345Kv flgt #6145		
48	1430	LWB	Issued TLR Level 5A on Lake Rd-Ala 161Kv flo latan-Stranger Creek 345Kv flgt #6145, 5A for Feasibility		
49	1530	LWB	Issued TLR Level 3A on Lake Rd-Ala 161Kv flo latan-Stranger Creek 345Kv flgt #6145.		
50	1631	LWB	Re-issued TLR Level 3A on Lake Rd-Ala 161Kv flo latan-Stranger Creek 345Kv flgt #6145.		
51	1729	LWB	Issued TLR Level 0 on Lake Rd-Ala 161Kv flo latan-Stranger Creek 345Kv flgt #6145.		
51					

6145 - 8/8/09

